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## Title word cross-reference

**\$19.00** [Hof81]. **\$300.00** [Ang79a]. **\$52.00** [Hof81]. **\$84.00** [Ang80]. >  
[DGMM85]. <sup>1</sup> [Tho77]. <sup>13</sup> [CGC+20, OMK+22, PRL+18, SKH+23, WRS+92].  
<sup>134</sup> [IHT+21]. <sup>137</sup>  
[AFH+11, KKS+03, PAF+11, SCMAR+99, SCLG+11, TAH+11]. <sup>14</sup>  
[OE65, PRL+18, SBK+95, WRS+92]. <sup>15</sup>  
[CGC+20, CSC+12, OMK+22, SKH+23, WRS+92]. <sup>15</sup> *N* [GSVB23]. <sup>18</sup>  
[BSF95, LCJ+17]. <sup>210</sup> [KKS+03, MSL+07, SCMAR+99]. <sup>222</sup> [Gam14]. <sup>227</sup>  
[LvBS+24]. <sup>228</sup> [IHT+21]. <sup>230</sup> [DTKvH15, ST65]. <sup>231</sup> [DTKvH15]. <sup>234</sup>  
[AYK+05, HPZC21, ST65]. <sup>238</sup> [AYK+05]. <sup>3</sup> [SBK+95]. <sup>39</sup> [SBK+95]. <sup>2</sup>  
[AEPW93, BSF95, BK19, BF01, CKP+20, CPG+18, CKM+21, CVBG21,  
CFG07, CF12, CMF15, DCD+23, EFC+23, EHSI12, FGS+15, FC07,  
GCB+22, GDSCU09, GSF+15, GLLB22, HSS+12, LL97, LM00, LGZ+20,  
LLdZQ+22, LGG18, MKOLA20, OYKK+23, OKdA+19, PPKR14, RCGC+16,  
RVS+21, SPK+19, TŠT+17, TAM+15, VSA+21, WD94, WNNI21, WBA+22,  
WST+16, YMI88, ZCD08, ZDG+21, ZKK+16]. <sup>37</sup> [STHM02]. <sup>6</sup> [MRO+08]. <sup>86</sup>

[SBH<sup>+</sup>14]. *a* [RBR<sup>+</sup>23].  $\alpha$  [KKKS14, SCCJ<sup>+</sup>18, WPB<sup>+</sup>08].  $\approx$  [BM07, CPNL07, CFG07, GMAB07, MSV<sup>+</sup>14, ZHSMM14].  $\approx 150$  [SLG<sup>+</sup>12].  $\beta$  [KKKS14, WPB<sup>+</sup>08].  $\Delta$  [PRL<sup>+</sup>18, CGC<sup>+</sup>20, CSC<sup>+</sup>12, GSVB23, LCJ<sup>+</sup>17, OMK<sup>+</sup>22, SKH<sup>+</sup>23, WPB<sup>+</sup>08]. *f* [EFC<sup>+</sup>23, GDSCU09].  $\gamma$  [WPB<sup>+</sup>08].  $K_1$  [AK97, CGW<sup>+</sup>22, DJ92].  $M_2$  [CGW<sup>+</sup>22, DJ92]. *n* [SOH21].  $N_2$  [DJ92].  $O_1$  [DJ92].  $\omega$  [SCCJ<sup>+</sup>18]. *p* [LGG18, ZDG<sup>+</sup>21].  $S_2$  [DJ92].  $\times$  [Ang79a, Hof81]. *x* [RCGC<sup>+</sup>16].

\* [WNNI21].

-alkanes [SOH21]. -dicarboxylic [SCCJ<sup>+</sup>18]. -oxoacids [SCCJ<sup>+</sup>18].  
-unsaturated [WPB<sup>+</sup>08].

/U [ST65].

**0** [Ang79a, Ang88, SW81]. **0-08-020919-X** [Hof81]. **0-08-021953-5** [Ang79a]. **0-08-022960-3** [SW81]. **0-08-026248-1** [Bak83]. **0-08-036649-X** [Ang88]. **0-group** [SEG<sup>+</sup>22b]. **00039-3** [SDS22a]. **000m** [DGMM85]. **02** [NBR<sup>+</sup>08]. **08°** [MM80].

## 1

[CPB<sup>+</sup>15, CNSHT15, GAM98a, MFS<sup>+</sup>07, MR03, SFMT12, SJ02c, VOJD02a]. **1-D** [CNSHT15]. **1.4** [SKWWGV18]. **1.4-REcoM2** [SKWWGV18]. **10** [AdAK<sup>+</sup>18]. **10-year** [HFO<sup>+</sup>22]. **1000m** [Lev88, OT19]. **123** [ÁBMÁS15]. **130** [GFB<sup>+</sup>15b]. **141pp** [Ang88]. **143** [MFS<sup>+</sup>16a]. **150°** [AMY<sup>+</sup>23]. **155°** [YMA<sup>+</sup>17]. **158°** [HBH<sup>+</sup>17]. **159** [Kru19]. **16th** [FJhT<sup>+</sup>14]. **170°** [MRRC73]. **173** [FDH20]. **175** [RBS<sup>+</sup>20]. **176** [BJMP20]. **18-year** [LGZ<sup>+</sup>20]. **180** [KMF<sup>+</sup>20a, MHS<sup>+</sup>20a]. **182** [JLP<sup>+</sup>20a]. **1920s** [Dri06]. **1926/1927** [WMWR08]. **1930s** [Dri06]. **1958** [McG64]. **1965** [Ano65i]. **1970s** [SKH00]. **1976/77** [WXH07]. **1979** [FHP83]. **1980s** [FMW91, GDM<sup>+</sup>15, MBB<sup>+</sup>96, SBK<sup>+</sup>95, SKSK06, TKWI08]. **1982/83** [LBH<sup>+</sup>87]. **1984** [MN88]. **1986** [YJW88]. **1987** [KDB95]. **1988/89** [WXH07]. **1990** [STB<sup>+</sup>92]. **1990s** [INI<sup>+</sup>17, JSKM02, RKM<sup>+</sup>07, SiSI<sup>+</sup>02, Smi05]. **1991** [PGC<sup>+</sup>96, RAP95]. **1992/1995** [KF11]. **1994** [HFW<sup>+</sup>98, KTB<sup>+</sup>99]. **1995** [GCZ<sup>+</sup>00, GSPMAI99, KTB<sup>+</sup>99]. **1998** [Ano98c, Ano98b, Ano98a, Ano98d, Ano98e, JRW01]. **1998/1999** [IIS<sup>+</sup>17]. **1998/99** [Min02]. **1999** [Ano99c, Ano99e, Ano99b, Ano99d].

**2** [Ano65i, Ano09h, GAM98b, MSF<sup>+</sup>07, SFMT14, SJ02b, VOJD02b]. **20-year** [CMG15]. **2000** [Ano00e, Ano00g, Ano00d, Ano00a, Ano00b, Ano00c, Ano00h]. **2000s** [GDM<sup>+</sup>15]. **2002** [Ano02a, Ano02b, Ano02c, Ano22-33]. **2003** [Ano03f, Ano03e, Ano03c, Ano03a, Ano03d, Ano03b]. **2003/2004** [KF11]. **2004** [Ano04b, Ano04f, Ano04c, Ano04d, Ano04g, Ano04e, HBV<sup>+</sup>10]. **2005**

[Ano05a, Ano05d, Ano05c, Ano05b]. **2006**  
 [Ano06c, Ano06a, Ano06d, Ano06b]. **2007** [Ano07n, Ano07q, Ano07k,  
 Ano07m, Ano07o, Ano07r, Ano07l, Ano07p, KMU<sup>+</sup>12, LM10]. **2008**  
 [Ano08p, Ano08r, Ano08s, Ano08o, Ano08n, Ano08u, Ano08w, Ano08q,  
 Ano08t, Ano08v, MHA<sup>+</sup>11]. **2009**  
 [Ano09m, Ano09i, Ano09j, Ano09k, Ano09l, Ano22-27, Rud15]. **2010**  
 [Ano10k, Ano10l, Ano10m]. **2011**  
 [Ano11i, Ano11h, Ano11g, Ano11j, Ano22-28]. **2012**  
 [Ano12m, Ano12n, Ano12p, Ano12o, Ano12l, Ano12k]. **2013**  
 [Ano13n, Ano13l, Ano13p, Ano13m, Ano13o, Ano22-31]. **2014**  
 [Ano14m, Ano14p, Ano14q, Ano14n, Ano14r, Ano14o, Ano14l]. **2015**  
 [Ano15n, Ano15o, Ano15m, Ano15r, Ano15p, Ano15q, GMDD<sup>+</sup>22b, MPD<sup>+</sup>22].  
**2016** [Ano16t, Ano16o, Ano16n, Ano16p, Ano16m, Ano16k, Ano16l,  
 Ano16s, Ano16r]. **2017**  
 [Ano17r, Ano17n, Ano17o, Ano17m, Ano17q, Ano17s, Ano17l, Ano17p]. **2018**  
 [Ano18j, Ano18k, Ano18m, Ano18n, Ano18l, Ano22-29, Ano22-32, CBB<sup>+</sup>19,  
 CBB<sup>+</sup>22b]. **2018/2019** [MST<sup>+</sup>23a, SSN23]. **2019** [Ano19a, Ano19j, Ano19n,  
 Ano19m, Ano19k, Ano19l, Ano19p, Ano22-30, FBB<sup>+</sup>21, MPTMK22]. **2020**  
 [Ano20a, Ano20b, Ano20m, Ano20n, Ano20p, Ano20o, Ano20r, Ano20s,  
 Ano20t]. **2021** [Ano21b, Ano21a, Ano21c, Ano21n, Ano21o, Ano21q, Ano21p,  
 Ano21s, Ano21t]. **2022** [Ano22b, Ano22a, Ano22c, Ano22u, Ano22v, Ano22x,  
 Ano22w, Ano22z, Ano22-34]. **2023** [Ano23b, Ano23a, Ano23c, Ano23n,  
 Ano23o, Ano23q, Ano23p, Ano23r, Ano23s, Ano23t]. **2024**  
 [Ano24d, Ano24e, Ano24f]. **20°** [JG07]. **20th** [HMH07]. **212-layer** [MY92].  
**21°** [BHC<sup>+</sup>18]. **21st** [DML<sup>+</sup>16, MWS<sup>+</sup>10, TLP<sup>+</sup>16]. **22-year** [HGBG20].  
**22°** [FMSBW13, dSPF<sup>+</sup>23]. **234/uranium** [KG65]. **23°**  
 [BM76, CBB<sup>+</sup>02, VSGC21, dSPF<sup>+</sup>23]. **24.5N** [HGPFN<sup>+</sup>14]. **24°** [BHC<sup>+</sup>18].  
**25-year** [MAH<sup>+</sup>15]. **25°** [BDBJ01]. **26°** [MSJ<sup>+</sup>15]. **27°** [MM80]. **29**  
 [CBB<sup>+</sup>22b]. **2nd** [Bak83].

**3** [BHH<sup>+</sup>16, MMR<sup>+</sup>09, SW81, SW01, XRC<sup>+</sup>15]. **3-D**  
 [BHH<sup>+</sup>16, MMR<sup>+</sup>09, SW01, XRC<sup>+</sup>15]. **30-year** [AUE<sup>+</sup>14]. **3000m**  
 [YNMY23]. **30°** [Ang79b, BM76, HGT16, HGTP<sup>+</sup>19, RKFD07]. **30m**  
 [AMEV07]. **31** [Ano94c]. **31°** [AAM<sup>+</sup>14]. **32°** [APHGC<sup>+</sup>22, MBKS08]. **33°**  
 [FMSBW13, MCGS<sup>+</sup>16]. **36.5°** [FC07]. **36°**  
 [BM07, CPNL07, CFG07, GMAB07, HYM<sup>+</sup>12, MSL<sup>+</sup>07, MDL<sup>+</sup>12, SLG<sup>+</sup>12].  
**38°** [SJM<sup>+</sup>19]. **3D** [ASR<sup>+</sup>20, AUE<sup>+</sup>14, MRM<sup>+</sup>14, SNS<sup>+</sup>22]. **3rd** [PBH<sup>+</sup>10].

**4-dimensional** [MAB<sup>+</sup>11c, MAB<sup>+</sup>11a, MAB<sup>+</sup>11b]. **40°** [CF12, EM12]. **41**  
 [BLAM00]. **41CP** [KSK21]. **42°** [MSV<sup>+</sup>14, ZHSMM14]. **44.7°** [PSP<sup>+</sup>21]. **44°**  
 [GMAGH<sup>+</sup>17]. **46°** [MCGS<sup>+</sup>16, SJM<sup>+</sup>19]. **47°** [QOS<sup>+</sup>22]. **4822m** [RLT<sup>+</sup>22].  
**48°** [HM98, PMA<sup>+</sup>14, PTPY<sup>+</sup>23, RBL<sup>+</sup>19, WBH15]. **49** [HHW22].  
**4Concepción** [SSL07]. **4D** [GAM98a, GAM98b, GA00, MZGA<sup>+</sup>20, WSO01].  
**4D-Var** [MZGA<sup>+</sup>20]. **4D-variational** [GAM98a, GAM98b, GA00].

**5** [Ang79a]. **50-year** [CLdPHL23]. **50°** [BPP+98, GMAGH+17, GBC+00, GCD+13, HM98, Hen85, JTD+14, vWHdS+98, CBB+02, RKFD07]. **51°** [PTPY+23]. **52°** [STPHM+23]. **53** [SDS22a]. **54°** [QOS+22]. **56** [RG03a]. **56°** [PMA+14, TSRF14]. **58** [Fei04]. **59** [VHK04].

**'60** [Fug63]. **60°** [SAA+15]. **648pp** [Bak83]. **66°** [CMJPH+18]. **69** [WF07].

**7.5N** [HGPFN+14]. **70** [RLSF07]. **71** [SHC+07]. **73** [Yas07b]. **76** [Ano94k]. **79** [SE09].

**80** [VH09a]. **87** [KN11].

**9-year** [AT07]. **91** [Rea00, dMGS+11b].

= [AHRT90].

**A10** [KMWF11]. **A2** [LSS+10, SYB+15]. **A204** [Ano94j]. **A209** [Ano94j]. **A219** [Ano94j]. **aanderaa** [Dah69]. **abdominalis** [HTG15]. **abiotic** [GBT+19]. **ablation** [LDHW20]. **absolute** [DPCS87, Emi65, Nee85]. **absorption** [HOY+21a, KM08, SPWH21]. **Abundance** [BM07, EKB06, FBT+22, KOT+21, PSL87, STW+15, SPB93, Ver91, ADV+18, BMO12, BLI+99, BM01, BCGN+18, BPP+98, BMG+21a, BGWP+17, CMF11, Cra09, CCW+18, DDE+95, DBR03, DAU22, DPM+09, DBM17, DBR20, ECGP01, EBS+18, EHG+12, FELJ16, FGGDF+04, FBM+08, GFGGD+23, GGAA+23, HL05, HCAFD+20, HLSX22, IIS+17, IAFD02, JTQ+18, JMZ23, LCGH07, MVN+15, MCG+02, MPSD15, MSA+22, MWFH02, MMPG07, Nag01, NMLBCM+01, PL87, PLHLF05, PCH08a, Reb02, SGL+18, SCC+19, SDH+14, SAB+21, TB15, THP21, VDDA+08, VR03, WMB+21, Whe06, XWL+18, XYL+22, YMA+17, YNMY23, YPGE+10, ZLS+04]. **abundances** [CLX+20, KYS+17, MA12]. **Abundant** [ZBY+22]. **Abyssal** [BBR+01, BKD+20, BGS+04, DBJ+15, HBD+21, HCV+20, IBW+01, NRA+21, RBL90, SBG16, Thu90, VSC01, VDP+01, WDK+01, dJSL+20, AP20, BBRM20, BC01, CES+19, CBL+19, DBR20, GSV+01, GA01, GHSC19, Hau18, HGTP+19, HTV+20, JZ19, JSLA+21, JPBB20, KO19, KRHS14, LMPB+16, LBK+01, MDR20, QLY+22, RMG90, RMB+01, SSKA19, SLBH+19, TDL+17, VCSG+01, VPW01, WHBW03, XWL+22]. **Ac** [LvBS+24]. **Acartia** [BD20, SJJ+03]. **ACC** [LI10]. **acceleration** [HHWW20]. **acceptors** [MBCB88]. **access** [dlHRA+18]. **Accomplishments** [WHG+16]. **according** [MBCB88]. **accounting** [ARDP14, MCH+12]. **accretionary** [JFG+90]. **accumulated** [SL13]. **Accumulation** [CJRÁ+13, CFC+18, CBD+24, LCJ+07, MDB+20, PAF+11, SCMAR+99, TRLA+13, Tur65, Whe93, vWHdS+98, vWdSBdH02]. **accuracy** [SSM+18, TSG+04]. **accurate** [McD81a]. **achaeta** [GS19]. **achievements** [PV18, VBL+21]. **acid**

[CSG<sup>+15</sup>, CDP14, GVKD<sup>+13</sup>, HMPZ11, KSG<sup>+17</sup>, LSV14, PAG<sup>+18</sup>, PPHM18, RBPGJ<sup>+20</sup>, TSRF14, TRP<sup>+23</sup>, VKJ<sup>+23</sup>, WOW<sup>+14</sup>, YGL<sup>+10</sup>].  
**acidification** [AFBT<sup>+22</sup>, BHK<sup>+16</sup>, CKP<sup>+20</sup>, JCM<sup>+21</sup>, JCF<sup>+23</sup>, KBHML17, MCL<sup>+15</sup>, OHH<sup>+22</sup>, SPK<sup>+19</sup>]. **acidity** [GCV<sup>+24</sup>]. **acids** [BPP<sup>+98</sup>, GSVB23, GGA<sup>+05</sup>, KO19, MRBS<sup>+24</sup>, MFDH22, SBC<sup>+16</sup>, SCCJ<sup>+18</sup>, WPB<sup>+08</sup>].  
**acknowledgement** [Ano08y]. **Acoustic** [BLR<sup>+23b</sup>, BCLD<sup>+17</sup>, CS16, GIC20, ON22, BBLD<sup>+11</sup>, BPSN<sup>+21</sup>, CBB<sup>+15</sup>, DHD<sup>+23</sup>, DEW<sup>+97</sup>, FRV<sup>+19</sup>, MIN<sup>+20</sup>, PBBH<sup>+22</sup>, PO15, UPPS<sup>+21</sup>].  
**acoustically** [ZBLF23]. **acoustically-tracked** [ZBLF23]. **acoustics** [ATC<sup>+19</sup>, BOG20]. **across** [BK19]. **Across** [HFW<sup>+98</sup>, ABSDC07, BAM<sup>+09</sup>, BGB<sup>+08</sup>, BWB<sup>+09</sup>, BBL<sup>+18</sup>, BGWP<sup>+17</sup>, CLV<sup>+19</sup>, CMJPH<sup>+18</sup>, CLY22, CS06, CP07, FWH<sup>+17</sup>, FLdST98, FMCG15, FJH10, FWL<sup>+15</sup>, GDM<sup>+20</sup>, GIC20, GHC<sup>+17</sup>, GLAHH<sup>+22</sup>, GGAA<sup>+23</sup>, GHG<sup>+24</sup>, GRdSS<sup>+22</sup>, HTG15, HFPS<sup>+06</sup>, HLTB<sup>+17</sup>, JTD<sup>+14</sup>, JLRB20, JSKM02, JMZ23, KHM<sup>+88</sup>, LSV14, LGR<sup>+02</sup>, LLGS21, LBC<sup>+15</sup>, LB14, LHEB98, LvIKB07, MCD<sup>+14</sup>, MRBS<sup>+24</sup>, MPB<sup>+23</sup>, MTL05, MVBC<sup>+21</sup>, NRA<sup>+21</sup>, OHC<sup>+17</sup>, OCH<sup>+18</sup>, ORMR<sup>+19</sup>, PCSMC12, PLEF<sup>+23</sup>, PO15, RBL<sup>+19</sup>, SW01, SSV<sup>+11</sup>, TOKLC08, VVV21, VDDA<sup>+08</sup>, VKGP<sup>+13</sup>, XWW<sup>+21</sup>, YGMR<sup>+23</sup>, ZMW<sup>+23</sup>, dLLdAWL<sup>+23</sup>]. **across-** [PCSMC12].  
**Across-slope** [HFW<sup>+98</sup>]. **Acta** [Ang86]. **Actiniaria** [vPRT90].  
**Actinopterygii** [SM21]. **action** [IST<sup>+88</sup>]. **actions** [CBB<sup>+22b</sup>]. **Active** [SLBVR<sup>+22</sup>, GSA<sup>+20</sup>, Kit03, PCC<sup>+19</sup>, VWDF14, YYK88]. **activities** [BTG<sup>+03</sup>, GGQ07, NCC<sup>+15</sup>, OvdSN94, RMB<sup>+01</sup>, XHW<sup>+20</sup>]. **activity** [BMNW01, CPB<sup>+15</sup>, CM14a, CED09, DLM<sup>+96</sup>, ECGP01, FPS<sup>+09</sup>, GASV<sup>+09</sup>, GGPG<sup>+19</sup>, IPG<sup>+16</sup>, LKDL14, LvBS<sup>+24</sup>, LS12, MKHO96, MCGS<sup>+16</sup>, PS98, PRA<sup>+18</sup>, PBD<sup>+88</sup>, RBS<sup>+09</sup>, SAM<sup>+04</sup>, SS03, VDDA<sup>+08</sup>, ZHSMM14].  
**actuelle** [Ber65c]. **acuminata** [DRVMC<sup>+22</sup>, PMMN<sup>+22</sup>]. **adaptation** [ÁLC22]. **Adaptations** [Sma10a, Sma10b, KV18, THBA19, VJJ<sup>+22</sup>].  
**Adaptive** [PVC<sup>+08</sup>, Sma10a]. **ADCP** [ADS<sup>+22</sup>, BPC<sup>+05</sup>]. **addition** [BPA<sup>+21</sup>, TRP<sup>+23</sup>]. **Additional** [MTL05]. **Aden** [BF12]. **Adjacent** [ALV<sup>+21</sup>, AP20, ACL<sup>+18</sup>, BEH19, BCGN<sup>+18</sup>, BBRM20, CN22, CES<sup>+19</sup>, CFML22, CTR<sup>+19</sup>, Dri11, ESTM13, FBR<sup>+13</sup>, GM19, HDM19, KFC<sup>+13</sup>, LSV14, PCD<sup>+18</sup>, RCSVGP<sup>+16</sup>, SSB19, SSKA19, SCB<sup>+16</sup>, TCDPP<sup>+22</sup>, TAF<sup>+22</sup>, WGZZ19, WL16, YLL19, Yao88]. **adjustment** [MZGA<sup>+20</sup>].  
**Adriatic** [KK20, PL09, BBB<sup>+14</sup>, BPC<sup>+05</sup>, CDDF11, CD65, CFML22, KS15, MVC<sup>+11</sup>, PVG<sup>+20</sup>, ŠPM<sup>+22</sup>, ŠGM<sup>+18</sup>, SK21, TAF<sup>+22</sup>, UCB<sup>+18</sup>]. **adult** [CCHV<sup>+21</sup>, CCS<sup>+21</sup>, DBM17, LMM03]. **adults** [dSSDS<sup>+20</sup>].  
**Advancements** [ALV<sup>+21</sup>]. **Advances** [PHKS17, Ang88, BTK<sup>+99</sup>, CDL19, Don87, FJhT<sup>+14</sup>, IPF23, KA85, MSI17, SGPdM18, SFK<sup>+99</sup>]. **Advantages** [BMG13, KSY<sup>+19</sup>]. **Advection** [HDA<sup>+16</sup>, SWZS<sup>+21</sup>, ARDP14, CBB<sup>+22a</sup>, CNSHT15, FRK<sup>+09</sup>, IAN13, SST<sup>+17</sup>, TPPG10, WKS<sup>+15</sup>]. **Advective** [Men21, KFC<sup>+23</sup>]. **advice** [Ric01]. **Aegean** [TBK<sup>+99</sup>, TPP<sup>+00</sup>, BTK<sup>+99</sup>, BTG<sup>+03</sup>, LT06, PST<sup>+15</sup>, RKM<sup>+07</sup>, SKP99, VKT15]. **Aeolian** [FAAV<sup>+15</sup>].  
**Aequiyoldia** [GWGR<sup>+19</sup>]. **aeration** [Tit20]. **Aerobic** [CWS<sup>+21</sup>]. **Aerosol**

[WH20]. **aerosols** [TPN<sup>+</sup>18]. **affect** [GLV12, LBP<sup>+</sup>21, MPM<sup>+</sup>18, NGLSSG14, XRC<sup>+</sup>15]. **affected** [HLPL05]. **affecting** [AH10, BSF<sup>+</sup>21, FPIJ85, KSK<sup>+</sup>15, Li14, NMC<sup>+</sup>09, QCdS<sup>+</sup>07]. **affects** [RFS10]. **affinities** [BS90]. **Africa** [AAM<sup>+</sup>14, BAM<sup>+</sup>09, GASV<sup>+</sup>09, VFCC<sup>+</sup>22, Ang79b, ABT<sup>+</sup>04, BBPHG<sup>+</sup>11, BWB<sup>+</sup>09, Cra09, GMAMB04, MM80, Mit83, OAD22, SJP10, Tom81a, VNMS91]. **African** [Pai20, ARD<sup>+</sup>03, BN03, LPARF<sup>+</sup>20, Med87, Mit91, RMHL09, SAM<sup>+</sup>04]. **After** [CBM<sup>+</sup>21, IL20, LBH<sup>+</sup>87, LCZ<sup>+</sup>24, LWBD<sup>+</sup>17, LGG18, TSFA22, YFY05, dJSL<sup>+</sup>20]. **again** [Mun97, PPPdS20]. **against** [SOA<sup>+</sup>23]. **age** [Emi65, Koc65a, OYKK<sup>+</sup>23]. **Aggregate** [KSKN21, JB15, KVNT20]. **aggregate-associated** [KVNT20]. **Aggregate-colonizing** [KSKN21]. **aggregates** [RPG<sup>+</sup>18]. **aggregating** [ICB<sup>+</sup>19]. **Aggregation** [Gir15, KNSN<sup>+</sup>09, MPSD15]. **aggregations** [RTN90, VBJ<sup>+</sup>20]. **AGI** [CWS<sup>+</sup>21]. **Agulhas** [OKdA<sup>+</sup>19]. **aid** [SVIA14]. **Air** [FLUC08, LC22, XCH<sup>+</sup>16, dIPHF<sup>+</sup>15, BBB<sup>+</sup>14, CFG07, CF12, CEF<sup>+</sup>13, EHSI12, GLLB22, LGZ<sup>+</sup>20, OKdA<sup>+</sup>19, Rou65, WBA<sup>+</sup>22, WST<sup>+</sup>16, YN20, ZPY<sup>+</sup>20]. **Air-sea** [dIPHF<sup>+</sup>15, YN20]. **Airborne** [Ric94, HKL<sup>+</sup>15]. **akashiwo** [MPMFL<sup>+</sup>23]. **alalunga** [GA10, LOBG<sup>+</sup>10, MRAP22, NXT<sup>+</sup>17, XNT<sup>+</sup>17]. **Alaska** [CHC<sup>+</sup>12, CD07, CCH<sup>+</sup>12, CBT07, CM18b, DPM<sup>+</sup>09, FMM<sup>+</sup>20, HHDS02, Kli10, LHC<sup>+</sup>21, LHW<sup>+</sup>20, MDAW<sup>+</sup>19, MCL<sup>+</sup>15, Mil93a, PCH08a, PCR<sup>+</sup>22, STGR<sup>+</sup>23, WM13, WW02, ZJZ<sup>+</sup>21]. **Alaskan** [CQC15, Emi65, GAF15, PSM<sup>+</sup>22, WO15]. **albacares** [MRAP22]. **albacore** [DAIS10, GA10, LOBG<sup>+</sup>10, NXT<sup>+</sup>17, PYKF15, XNT<sup>+</sup>17]. **albatross** [CLB<sup>+</sup>13]. **albatrosses** [KST<sup>+</sup>10, Ric15, Ric22, Sac16]. **Alboran** [CLG<sup>+</sup>22, FGR<sup>+</sup>06, GR85, OMR<sup>+</sup>22, SGLF<sup>+</sup>13, SBPGP<sup>+</sup>23, BPGC<sup>+</sup>20, BPSGP<sup>+</sup>23, MCGR07, Pre86, YHM<sup>+</sup>18, VBVYT05]. **alcalinité** [Rot65]. **Aldabra** [WLKM10]. **aldehydes** [WPB<sup>+</sup>08, WL16]. **Aleutian** [RLT<sup>+</sup>22]. **Alfonso** [AAML22]. **algae** [Blu88, BLMR<sup>+</sup>20, CML<sup>+</sup>16, KSG<sup>+</sup>17]. **algae-produced** [KSG<sup>+</sup>17]. **algal** [IPF23, KGB<sup>+</sup>23, KSC10, KHJ<sup>+</sup>10, LMA<sup>+</sup>15, MPMFL<sup>+</sup>23, MP04, NNFL21, PP10, PFHM10, TPRS10, WDC<sup>+</sup>11, ZBY<sup>+</sup>22]. **Algeria** [OAD22]. **Algerian** [MTL05, TG05]. **algorithm** [DHL<sup>+</sup>21, XYWY23]. **algorithms** [CGG08]. **aliphatic** [FTG<sup>+</sup>18]. **Alkaline** [IPG<sup>+</sup>16, SAM<sup>+</sup>04]. **alkalinity** [Rot65]. **alkanes** [SOH21]. **alkenones** [STHM02]. **allochthonous** [LSV14, YTB<sup>+</sup>21]. **allometric** [KSKN21]. **ALOHA** [KLB<sup>+</sup>21, KBC<sup>+</sup>22]. **along** [ACK<sup>+</sup>13, Ang79b, ABT<sup>+</sup>04, BJ17, BSMC15, BECR<sup>+</sup>22, BBFS19, BHC<sup>+</sup>18, BGWP<sup>+</sup>17, BTV<sup>+</sup>17, CGM<sup>+</sup>02, CBB<sup>+</sup>02, CdTH<sup>+</sup>16, CCHM02, CLB<sup>+</sup>14, CSG<sup>+</sup>15, CB17, CBL<sup>+</sup>19, CJG88, DN07, DHDM22, EBW<sup>+</sup>23, EBR<sup>+</sup>14, FAAV<sup>+</sup>15, FGGDF<sup>+</sup>04, GMAMB04, HCAFD<sup>+</sup>20, HBH<sup>+</sup>17, JJA<sup>+</sup>17, JG07, KY23, KLC<sup>+</sup>15, KMWF11, KGJ<sup>+</sup>10, KRL<sup>+</sup>22, LRAE23, LKDL14, LM00, LHEB98, LPARF<sup>+</sup>20, MG02, Mar20, MTC14, MAAS<sup>+</sup>00, MIN<sup>+</sup>20, MB07, Mit91, MMPG07, NHN<sup>+</sup>21, PGT<sup>+</sup>13, PV07, PHFK14, PS98, PRA<sup>+</sup>18, PCC<sup>+</sup>19, PHC<sup>+</sup>19, RFSCF19, RN02, SSB19, SSB20a, SH09, Sol00, SAd<sup>+</sup>17, SST<sup>+</sup>17, SJ02a, SJM<sup>+</sup>19, STR01, SGR<sup>+</sup>22, TTMM<sup>+</sup>17, TCDPP<sup>+</sup>22,

TSRF14, WHT86, YMA<sup>+17</sup>, dWDB<sup>+98</sup>. **along-track** [LKDL14].  
**alongshore** [LMM03, PCSMC12, TMPM<sup>+16a</sup>]. **alpha** [RTBR<sup>+22</sup>].  
**alpha-diversities** [RTBR<sup>+22</sup>]. **alter** [GMR<sup>+23</sup>]. **alteration** [MHVS19].  
**altered** [Cra09]. **alternative** [OMS<sup>+15</sup>]. **alters** [KZD<sup>+19</sup>]. **Altimeter**  
[SJ02c, SJ02b, CGG08, TM13]. **Altimeter-derived** [SJ02c, SJ02b].  
**altimetric** [CPSM20, KDL<sup>+01</sup>, SJ02a]. **altimetry**  
[CED09, LS20, LKDL14, RM97, RBS<sup>+09</sup>, WLM07]. **Aluminium**  
[DTKvH15]. **Alvinella** [JP90]. **alvinellid** [JG90]. **Amazon** [GdRGC<sup>+14</sup>].  
**Amerasian** [GCFS06]. **America**  
[CAH<sup>+22</sup>, CBB<sup>+02</sup>, CCHM02, JJS03, STR01]. **American** [JAS<sup>+20</sup>]. **amino**  
[AB90, BPP<sup>+98</sup>, GSVB23, GGA<sup>+05</sup>, HMPZ11, VKJ<sup>+23</sup>]. **Ammodytes**  
[RHBS13]. **ammonium** [FUOG<sup>+16</sup>, MMF<sup>+12</sup>]. **AMOC** [HMH<sup>+15</sup>, SF15].  
**among**  
[BL02, CMM<sup>+04</sup>, DDK<sup>+18</sup>, GSV<sup>+01</sup>, HGB<sup>+21</sup>, JJJ<sup>+19</sup>, SBL<sup>+23</sup>, SPMVP05].  
**amongst** [BGA<sup>+21</sup>]. **Amphan** [PTZ<sup>+23</sup>]. **Ampharetidae** [AP20].  
**amphipod** [AE09, FJ19, HTV<sup>+20</sup>, JZ19]. **Amphipoda**  
[Thu90, gWjNfLyD20]. **amphipods**  
[BS90, BTV<sup>+17</sup>, HS22, HCV<sup>+20</sup>, JM19, RJT84, Thu90]. **amplification**  
[LCZ<sup>+24</sup>]. **amplitude** [ITO<sup>+14</sup>]. **amplitudes** [DLM91]. **AMT**  
[AB00, BJ17, PHCA17, SWT<sup>+17</sup>, ABD<sup>+17</sup>]. **AMT-19** [SWT<sup>+17</sup>].  
**Amundsen** [DHD<sup>+23</sup>, FTG<sup>+11</sup>, JYK<sup>+14</sup>, SDL<sup>+19</sup>, YLL19]. **Amur**  
[FMWW14, SMN<sup>+14</sup>, YAI<sup>+14</sup>]. **Anadyr** [NHN<sup>+21</sup>, NAH<sup>+21</sup>]. **analogous**  
[MHS<sup>+09</sup>]. **analyses**  
[FTG<sup>+11</sup>, KSG<sup>+17</sup>, LSM<sup>+22</sup>, SBM91, SM16, SDO<sup>+14</sup>, YGL<sup>+10</sup>]. **Analysing**  
[SSB14]. **Analysis** [ANMP15, ÁBMÁS15, BHR15, BPSGP<sup>+23</sup>, FBD18,  
FRCH15, FACM<sup>+23</sup>, FHL<sup>+24</sup>, MMGL<sup>+07</sup>, MEMC05, TMKJ<sup>+09</sup>, WHT86,  
YPM<sup>+10</sup>, YYhT<sup>+17</sup>, ÁBMÁS14, ASR<sup>+20</sup>, BFPS06, BGB<sup>+08</sup>, BD19,  
BPGD<sup>+14</sup>, BBF<sup>+22</sup>, CDDF11, CPG<sup>+18</sup>, CHC<sup>+12</sup>, CSK<sup>+12</sup>, CP83, CHB02,  
CR20, DM13, Dom84, Fuk91, GRDS10, GJ00, GTNK21, HKL<sup>+15</sup>, HPS<sup>+01</sup>,  
HSGJ23, Hob10, HSC<sup>+16</sup>, IBW<sup>+01</sup>, JE92, Mac98, MERB12, MNT14,  
MHR<sup>+10</sup>, McK08, MGC<sup>+18</sup>, MLHM09, MC88, MDR20, MCT03, Ola65b,  
PPVG12, PM13, PZA<sup>+15</sup>, PTG95, Reb02, RCGC<sup>+16</sup>, RDL<sup>+91</sup>, SBMB18,  
SMN<sup>+13</sup>, SF02, ŠPM<sup>+22</sup>, SBFP21, SDJ14, SHS<sup>+05</sup>, TSS<sup>+12</sup>, Tom81a,  
Tom81b, VCM04, WD94, WDC<sup>+11</sup>, YNMY23, ZNR<sup>+24</sup>, MAH<sup>+15</sup>].  
**analysis/forecast** [CP83]. **Analytical** [PTF10, LPA<sup>+11</sup>]. **Analyzing**  
[DYO<sup>+10</sup>, LTJ<sup>+15</sup>]. **anammox** [GMBU12]. **Anatomical** [YKWF21].  
**Anatomy** [PKA19]. **Anaximenes** [GPP22]. **anchoita**  
[DMC<sup>+18</sup>, dFKdLZTT17]. **anchor**  
[AVK91, BC91, CB91, CJMI<sup>+91</sup>, MIW91, PWMIM91, Ver91, WP91].  
**anchoveta** [BGB<sup>+08</sup>, CGC<sup>+20</sup>, FBM<sup>+08</sup>, GRB<sup>+08</sup>, PCSMC12, SMPC<sup>+12</sup>].  
**anchovies** [APC<sup>+12</sup>]. **Anchovy**  
[IFC<sup>+07</sup>, PVA24, YPGE<sup>+10</sup>, AIA<sup>+15</sup>, BCT<sup>+09</sup>, BFB<sup>+20</sup>, BDL08, BLT<sup>+08</sup>,  
CMS<sup>+13</sup>, EB08, FRCH15, FVLC<sup>+23</sup>, GCD<sup>+18</sup>, HLS<sup>+14a</sup>, HPW10, JBB<sup>+14</sup>,  
KYS<sup>+17</sup>, MPB<sup>+23</sup>, OACB<sup>+15</sup>, PST<sup>+15</sup>, RFC<sup>+15</sup>, SGWF<sup>+19</sup>, SAY<sup>+16</sup>,

SBG<sup>+08</sup>, TOKLC08, TIOM16, VOG<sup>+08</sup>, XRC<sup>+15</sup>, YFY<sup>+22</sup>]. **and/or** [HSG<sup>+15</sup>]. **Andaman** [JFUR20]. **Andvord** [LWT<sup>+20</sup>, ZCLS20]. **anemones** [vPRT90]. **Angel** [WR03]. **Angeles** [aHFS92]. **Angola** [GDSCU09]. **anguillid** [KMF<sup>+20a</sup>, KMF<sup>+20b</sup>]. **anguilliform** [FMC<sup>+15</sup>]. **angular** [CR97]. **animal** [GDN<sup>+18</sup>]. **animals** [BC01, Zez90]. **Annaba** [OAD22]. **Annelida** [AP20]. **annelids** [JG90]. **anniversary** [Ano85a]. **annotation** [GPAB<sup>+16</sup>]. **Announcement** [Ano80a, Ano82a]. **Annual** [AMG<sup>+16</sup>, CMHM18, Mol04, PMC16, RWD01, TSFA22, AMFY20, BCOL<sup>+19</sup>, BM07, CLB<sup>+13</sup>, CLL<sup>+18</sup>, CRHM12, DZ04, DBM17, EHG<sup>+07</sup>, FCN<sup>+19</sup>, GLLB22, HDZY15, Her97, JSdSS<sup>+21</sup>, KFKO03, LMPB<sup>+16</sup>, LC12, LW13, MTC12, MCGR07, NRA17, OACB<sup>+15</sup>, RM93, RGC<sup>+01</sup>, RG09, SGS<sup>+23</sup>, SNZ<sup>+20</sup>, SGR<sup>+22</sup>, TM13, WSO01]. **Annular** [ZHD<sup>+20</sup>]. **Anobothrus** [AP20]. **Anomalies** [BLAM00, ATS01, HZCZ16, HHSR07, Kat18, SMdG02, SJ02b, BLAM98]. **Anomalous** [ABP15, BASS<sup>+20</sup>, GFGGD<sup>+23</sup>, VDGGD<sup>+22</sup>]. **Anomalously** [AAML22, TSFA22]. **Anomaly** [Leg91, KWI20, LBNBM13, SCHBC<sup>+22</sup>, SPV<sup>+15</sup>, SD07, UKM<sup>+14</sup>, DMML88]. **Anomura** [Mar20]. **answer** [BBLD<sup>+11</sup>]. **Antarctic** [FDH20, HWPLvW20, HGH<sup>+19</sup>, KY23, LWT<sup>+20</sup>, MD07, AMY<sup>+23</sup>, BHA<sup>+14</sup>, BH85, CdD<sup>+15</sup>, CP07, DCD<sup>+23</sup>, DSR21, DHD22, dCFK17, GNH19, Hay65, HSH<sup>+19</sup>, IIM<sup>+23</sup>, IGG<sup>+19</sup>, IG19, LS12, LS13, MWS<sup>+10</sup>, NPO<sup>+19</sup>, NHG19, OYKK<sup>+23</sup>, OJB99, PVM<sup>+20</sup>, SSTD<sup>+95</sup>, TNGP22, TFZS14, VPM<sup>+19</sup>, VKDS<sup>+18</sup>, WCC<sup>+20</sup>, ZSI<sup>+05</sup>, Zen08, ZCV<sup>+19</sup>, ZHD<sup>+20</sup>]. **Antarctica** [JYK<sup>+14</sup>, SDL<sup>+19</sup>, TSFA22, ZCLS20, AYH<sup>+23</sup>, DCD<sup>+23</sup>, GBB96, LSF<sup>+17</sup>, SAT<sup>+22</sup>, SDL<sup>+19</sup>]. **antarcticus** [NPO<sup>+19</sup>]. **antennatus** [CPG08, CHSB<sup>+21</sup>, SCB<sup>+09</sup>]. **Anthropogenic** [FGS<sup>+15</sup>, aHFS92, JJ08, ILdZQ<sup>+22</sup>, PPKR14, CPG<sup>+18</sup>, DNNNN16, EMK<sup>+17</sup>, GSF<sup>+15</sup>, Har82, JJA<sup>+08</sup>, KFC<sup>+13</sup>, LPA<sup>+11</sup>, OYKK<sup>+23</sup>, PKV18, RJO<sup>+19</sup>, RLDC<sup>+13</sup>, RLR<sup>+18</sup>, RAB<sup>+11</sup>, dMGS<sup>+11b</sup>, dMGS<sup>+11a</sup>]. **anthropogenically** [MGC<sup>+18</sup>, TCDPP<sup>+23</sup>]. **anti** [XHC<sup>+20</sup>]. **anti-cyclonic** [XHC<sup>+20</sup>]. **anticyclonic** [CBB<sup>+22c</sup>, MSS<sup>+02</sup>, QYF<sup>+24</sup>, RAE<sup>+05</sup>, WOW<sup>+14</sup>]. **Antikythira** [KHC<sup>+99</sup>]. **AO** [NBR<sup>+08</sup>]. **AO-02** [NBR<sup>+08</sup>]. **AOU** [WMC<sup>+89</sup>]. **APECOSM** [Mau10]. **Aperture** [VOT<sup>+99</sup>, Ric94]. **Apex** [Mau10]. **Aplacophora** [BHB<sup>+19</sup>]. **apparent** [GJ00, NMK<sup>+03</sup>, XYGJ23]. **applicable** [Ano17i, Ano17j, Ano17k]. **Application** [CN22, GLS08, iYO<sup>+10</sup>, SSL08, Suk88, TGJT09, VBL<sup>+09</sup>, WCB20a, WPH<sup>+10</sup>, XD95, XYL<sup>+22</sup>, AC85, HKK12, KM22, KAH<sup>+16</sup>, Kvi69, LFG10, MCKS17, MAB<sup>+11a</sup>, RWD01, TGR05, vRGW10, BPA<sup>+21</sup>, GMDS20]. **Applications** [MLHM09, BMM97, BDE03, Dev87, KSY<sup>+19</sup>, MZGA<sup>+20</sup>, RLSF06, RLSF07, SHG12, WD94, ZD17, vFB82]. **applied** [BIL03, BBF<sup>+22</sup>, CPSM20, GAS<sup>+22</sup>, Man04]. **Applying** [BMG13]. **appreciation** [Ano65e]. **approach** [ANMP15, BMG13, CSBL<sup>+15</sup>, CLX<sup>+20</sup>, CRF<sup>+10</sup>, DYO<sup>+10</sup>, DLL<sup>+23</sup>,



DVL<sup>+99</sup>, DFM<sup>+15</sup>, DFH<sup>+16</sup>, ESTM<sup>+12</sup>, FVLC<sup>+23</sup>, FGS<sup>+23</sup>, GWM<sup>+22</sup>, GNH19, GWS<sup>+23</sup>, GD91, HMRB<sup>+03</sup>, HHMB<sup>+09</sup>, HNL14, HAP<sup>+16</sup>, hHRW<sup>+05</sup>, iYO<sup>+10</sup>, JPM<sup>+08</sup>, KKK04a, KSE<sup>+09</sup>, KSB<sup>+22</sup>, LM18, LM14, LL21, LSD<sup>+15</sup>, MPM<sup>+18</sup>, MPB<sup>+23</sup>, OWH14, ORVES17, PMMN<sup>+22</sup>, PBO10, PVA24, RGB<sup>+17</sup>, RSMIS03, SJP10, STM10, SEW11, SPN98, TMR<sup>+21</sup>, TAM<sup>+13</sup>, TS10, VSGC21, Val99b, VAEP24, WFS<sup>+15</sup>, YPGE<sup>+10</sup>].

**Approaches** [Ano09h, MHA<sup>+11</sup>, CP10, FBA09, HAA<sup>+14</sup>, KSK<sup>+15</sup>, Man04, WMB<sup>+18</sup>, dlGFM<sup>+23</sup>]. **appropriate** [FCEZ10, GKC<sup>+14</sup>]. **April** [Ano00e, Ano02a, Ano04b, Ano05a, Ano06c, Ano07n, Ano08p, Ano12m, Ano13n, Ano14m, Ano16t, Ano17r, Ano19n, Ano20a, Ano21a, Ano22a, Ano23a, FHP83, GMDD<sup>+22b</sup>, MPD<sup>+22</sup>]. **Aptenodytes** [STC10, STEB16]. **Aqua** [WM13]. **Aquarium** [GMD<sup>+22</sup>]. **aquatic** [Pas22]. **aquatic** [BVB88]. **Arabian** [PLN<sup>+23</sup>, AJA<sup>+22</sup>, ABS<sup>+20</sup>, ADS<sup>+22</sup>, BNC05, CBM<sup>+21</sup>, Cow05, GCB<sup>+22</sup>, LEDR<sup>+22</sup>, LO85, MGG22, MB05, MKHO96, Men21, NBG<sup>+05</sup>, PJS<sup>+22</sup>, SDP<sup>+22</sup>, SRAV19, SGS<sup>+23</sup>, Smi05, SM05, SGR<sup>+22</sup>, VJJ<sup>+22</sup>, VKJ<sup>+23</sup>, WHBK05, WGG<sup>+08</sup>]. **Arauco** [CTF07]. **Arc** [KTB<sup>+99</sup>, KSPK99, TBK<sup>+99</sup>, VOT<sup>+99</sup>, GSPMAI99, SKP99]. **Arcachon** [LDD<sup>+22</sup>]. **Arcane** [MS17]. **archaeal** [CTR<sup>+19</sup>, TVT<sup>+23</sup>]. **Archeological** [IHY<sup>+01</sup>]. **archipelago** [TSRF14, MIH06, PMG15, PCH<sup>+08b</sup>]. **Archipelagos** [Ché14]. **architecture** [CARBML<sup>+22</sup>]. **archival** [BMC<sup>+10</sup>, FFT<sup>+18</sup>]. **Arctic** [FTG<sup>+11</sup>, FMCG15, JCM<sup>+21</sup>, KPM<sup>+23</sup>, MIH06, SHC<sup>+07</sup>, YGMR<sup>+23</sup>, BF11, GvOSW11, WXH07, AMFY20, AvD15, BBE<sup>+15</sup>, BSC<sup>+19</sup>, BHM<sup>+15</sup>, BSF95, BvdLA<sup>+11</sup>, BLP<sup>+20</sup>, BRD<sup>+15</sup>, BOG20, BKC15, BS95, BD18, BMG<sup>+21b</sup>, CKB<sup>+17</sup>, CML<sup>+16</sup>, CKP<sup>+20</sup>, CW06, CM11, CGZ<sup>+16</sup>, CKT<sup>+13</sup>, CDP14, CRPS<sup>+15</sup>, CCW<sup>+18</sup>, DWH<sup>+14</sup>, DPB06, DWFP<sup>+19</sup>, DRD<sup>+07</sup>, DHD<sup>+23</sup>, DLD15, DS65, DWC06, EBW<sup>+23</sup>, FSVL10, FWL<sup>+15</sup>, GML<sup>+23</sup>, GWK17, GSSWK20, GTNK21, GCFS06, GBC<sup>+15</sup>, GSC<sup>+20</sup>, HBG<sup>+21</sup>, HMO<sup>+13</sup>, HKGH<sup>+06</sup>, HKE<sup>+10</sup>, HHSR07, HK65, IPHW<sup>+23</sup>, JAC<sup>+12</sup>, JBH20, JPIP22, JLS<sup>+22</sup>, Kiv97, KHBA<sup>+24</sup>, KH09, KB65, LSH<sup>+11</sup>, LMA<sup>+15</sup>, LLH<sup>+21</sup>, LRJ<sup>+15</sup>, MGWZ20, MVN<sup>+15</sup>, MRO<sup>+08</sup>, MOS<sup>+13</sup>, MHA<sup>+11</sup>, MMKS<sup>+21</sup>, MBH<sup>+01</sup>, MKSvA<sup>+22</sup>, MHH<sup>+15</sup>, MS15, MHVS19, NYH<sup>+22</sup>, OWR<sup>+07</sup>, PTM<sup>+22</sup>, PAPL15, PFW15, PNF<sup>+21</sup>, RJO<sup>+19</sup>, RCB<sup>+20</sup>, RSB<sup>+15</sup>, RvBD<sup>+22</sup>, Rud15, RKS<sup>+15</sup>, RN06, SSB19, SBMB18, SBK<sup>+95</sup>]. **Arctic** [SKWWGV18, SW92, SON<sup>+20</sup>, SEW11, SHC<sup>+06</sup>, SWZS<sup>+21</sup>, SLY<sup>+15</sup>, SPW22, Tit20, TAM<sup>+15</sup>, VMB<sup>+22b</sup>, VMH<sup>+21</sup>, WMC<sup>+89</sup>, WDC<sup>+11</sup>, WO15, WHS17, Was06, Was11, WKS<sup>+15</sup>, Was15, WCB<sup>+20b</sup>, WZBK<sup>+21</sup>, WC15, WHS<sup>+23</sup>, WBD<sup>+15</sup>, Woo18, YSD15, YWUK15, ZJZ<sup>+21</sup>, ZBRJ23, ZWP23]. **Arctic-Atlantic** [PNF<sup>+21</sup>]. **Arctic-FVCOM** [CGZ<sup>+16</sup>]. **Arcto** [LNB13]. **Arcto-boreal** [LNB13]. **area** [AS20, AMEV07, BATNP04, BC19, BM07, CN22, CGD<sup>+18</sup>, DMC<sup>+18</sup>, DOP87, EAB<sup>+23</sup>, FTSF21, Fra69, GCCY<sup>+14</sup>, GKR20, GMAB07, HYM<sup>+12</sup>, His22, IVT<sup>+12</sup>, JSLA<sup>+21</sup>, KKS<sup>+19</sup>, KTW<sup>+22</sup>, LWBD<sup>+17</sup>, MA20, Mit83, MMF<sup>+12</sup>, MDC<sup>+07</sup>, MA12, MSL<sup>+07</sup>, NH83, PPSVC<sup>+13</sup>, PFE10, SVL<sup>+23</sup>, STS<sup>+12</sup>, VSGC21]. **areas**

[AR18, BJMP19, BJMP20, BFV<sup>+17</sup>, CDTM<sup>+21</sup>, CMM<sup>+04</sup>, CQO<sup>+15</sup>, GGA<sup>+05</sup>, GAS<sup>+22</sup>, GRB<sup>+08</sup>, HMP<sup>+13</sup>, HLP<sup>+16</sup>, HvDL<sup>+17</sup>, KLC<sup>+15</sup>, KFH<sup>+15</sup>, KMF<sup>+20a</sup>, KMF<sup>+20b</sup>, LT06, LBH<sup>+21</sup>, LLS01, ROBRB<sup>+22</sup>, SFS<sup>+12</sup>, SC65, Sie69, SAY<sup>+16</sup>, SPN98, YYK88, dFKdLZTT17]. **Argentina** [ILA21]. **Argentine** [FGS<sup>+23</sup>, GGE<sup>+65</sup>]. **Argo** [RBS<sup>+20</sup>, CM18b, FC05, MMF<sup>+17</sup>, PL18, RBS<sup>+22</sup>, RG09, WCX<sup>+21</sup>]. **argonauts** [AG22]. **arising** [BAP<sup>+22</sup>]. **Aristeidae** [CHSB<sup>+21</sup>]. **Aristeus** [CPG08, CHSB<sup>+21</sup>, SCB<sup>+09</sup>]. **Armorican** [PL89]. **aromatic** [FTG<sup>+18</sup>, SGL<sup>+17</sup>]. **Array** [Ben85, BBL<sup>+09</sup>, GW89, LPF<sup>+20</sup>, SCY<sup>+23</sup>, YHZ<sup>+22</sup>]. **arrays** [SSM<sup>+18</sup>]. **arriving** [SL13]. **Arsenate** [HSK<sup>+19</sup>]. **arsenic** [TCDPP<sup>+23</sup>]. **art** [CAA<sup>+07</sup>, MPC12, SRM<sup>+10</sup>, SBB<sup>+14</sup>]. **Arthropoda** [PKA19]. **article** [SDS22a]. **Artificial** [BVJE19]. **Asellota** [BBFS19, GM19, MB20]. **asellote** [SBS90]. **Asia** [SSVP00]. **Asian** [LMW<sup>+12</sup>, FJhT<sup>+14</sup>, KJZ<sup>+12</sup>, PO00, Qiu15, SOB<sup>+08</sup>]. **Ask** [MKB00]. **Aspects** [TFZS14, BHS<sup>+15</sup>, Bre06, MP04, Ola65a]. **assay** [AIA<sup>+15</sup>]. **assemblage** [BCM<sup>+02</sup>, Dol09, GSA<sup>+20</sup>, HSL96, LMPB<sup>+16</sup>, MDAW<sup>+19</sup>, RSW<sup>+23</sup>, RMHL09, VMB<sup>+22a</sup>]. **Assemblages** [DN07, ACL<sup>+18</sup>, AMEV07, ALG<sup>+21</sup>, ATC<sup>+19</sup>, BECR<sup>+22</sup>, BM07, BJ90, CSV<sup>+07</sup>, CLD22, CTR<sup>+19</sup>, CCB<sup>+20</sup>, DTOD00, DSC<sup>+19</sup>, DMBB02, EMBS13, ERT<sup>+22</sup>, FTC<sup>+16</sup>, FSVL10, Gal17, GIHJ23, GBB96, GRD<sup>+23</sup>, GGA<sup>+16</sup>, GGG<sup>+18</sup>, GGSM<sup>+20</sup>, GDM<sup>+15</sup>, GLV12, HDM19, HTV<sup>+20</sup>, KSVT00, LSW<sup>+21</sup>, MST<sup>+23a</sup>, MDGC<sup>+12</sup>, MTH<sup>+10</sup>, NFMCS<sup>+22</sup>, PGGG17, ROBRB<sup>+22</sup>, RLGC10, RTBR<sup>+22</sup>, SPF<sup>+23</sup>, SBG16, VDP<sup>+01</sup>]. **assembly** [CGS23, VGM<sup>+23</sup>]. **assess** [SAB<sup>+22</sup>]. **assessed** [MERB12, RSM<sup>+23</sup>, SAT<sup>+22</sup>]. **Assessing** [JF13, LM14, LDHW20, SGL<sup>+18</sup>, SMP<sup>+12</sup>, dIGFM<sup>+23</sup>, EBS<sup>+18</sup>, KSE<sup>+09</sup>]. **Assessment** [ÁBMÁS14, ÁBMÁS15, AKAL20, JST<sup>+24</sup>, SBH<sup>+14</sup>, SOH21, CSBL<sup>+15</sup>, CAO<sup>+20</sup>, CLB<sup>+14</sup>, EMU21, FC05, GBC<sup>+00</sup>, HFS<sup>+20</sup>, HHMB<sup>+09</sup>, Hof10, JPBB20, KMB01, KKO10, LCBN14, Li14, MCL<sup>+15</sup>, ORPRGIS22, PSP<sup>+21</sup>, SNS<sup>+22</sup>, WPH<sup>+10</sup>, ZHSMM14, ZL01]. **assessments** [GZCL23]. **assimilating** [REG<sup>+15</sup>]. **Assimilation** [CTMV<sup>+14</sup>, KDL<sup>+01</sup>, GBM<sup>+01</sup>, GAM98a, GAM98b, GA00, JRW01, Kiv97, KNI<sup>+05</sup>, MAB<sup>+11c</sup>, MAB<sup>+11a</sup>, MAB<sup>+11b</sup>, MZGA<sup>+20</sup>, SO91, WSO01, Whe93]. **assimilative** [WLM<sup>+22</sup>]. **assist** [CN22]. **associated** [BM76, BJMP19, BJMP20, CGM<sup>+02</sup>, CCA<sup>+02</sup>, DLD15, EMBS13, FBR<sup>+13</sup>, FRV<sup>+19</sup>, FKH<sup>+13</sup>, GGT<sup>+15</sup>, GS19, GBC<sup>+15</sup>, GPC<sup>+03</sup>, Gri22, GLV12, Jón07, KAK<sup>+22a</sup>, KGB<sup>+23</sup>, KVNT20, MZH<sup>+23</sup>, MS17, MPM<sup>+18</sup>, NAH<sup>+21</sup>, PKP14, PVA24, Sch83, ŠGM<sup>+18</sup>, SKH00, TMN<sup>+12</sup>, VDP<sup>+01</sup>, ZAC<sup>+23</sup>]. **associations** [DHD<sup>+23</sup>, HFO90, MDR20, WMB<sup>+21</sup>]. **Assumptions** [KSY<sup>+19</sup>, BMG13]. **Asteroidea** [MJD<sup>+21</sup>]. **Aswan** [Ore69]. **asymmetry** [GXX<sup>+22</sup>, HZCZ16]. **Atacama** [FAAV<sup>+15</sup>]. **Atlantic** [ABD<sup>+17</sup>, ÁSÁB<sup>+14</sup>, ÁBMÁS14, ÁBMÁS15, AKAL20, ALT10, BGMP03, BLHB07, BMdMS<sup>+21</sup>, BLAM00, BBR<sup>+01</sup>, BS02, CSV<sup>+07</sup>, CKM<sup>+21</sup>,

CSC<sup>+12</sup>, DML<sup>+16</sup>, DMC<sup>+18</sup>, EvdZSH02, FPD<sup>+01</sup>, FGS<sup>+15</sup>, FMH02, GMDD<sup>+22b</sup>, GTB07, GSF<sup>+15</sup>, HØ00, HBV<sup>+10</sup>, HBR11, HCV<sup>+20</sup>, IBW<sup>+01</sup>, JLP<sup>+20a</sup>, JG07, KSR<sup>+01</sup>, KAH<sup>+16</sup>, LS20, LMT<sup>+19</sup>, MHS<sup>+20a</sup>, MMF<sup>+17</sup>, MRH<sup>+14</sup>, NJCD01, OKdA<sup>+19</sup>, ORMR<sup>+19</sup>, PMG15, PS91, RWD01, RSB<sup>+01</sup>, RFFL21, Rei89, Rei94, RHM<sup>+19</sup>, STPHM<sup>+23</sup>, SLOP<sup>+22</sup>, Tom81a, TRMV15, UB10, VDP<sup>+01</sup>, WWL<sup>+22</sup>, WHS17, WLM<sup>+22</sup>, WG82, vAB96, AHP19, AQVB<sup>+10</sup>, AS96, AdAK<sup>+18</sup>, Ang79a, Ang79b, Ang84, ABSDC07, AGL<sup>+15</sup>, ASR<sup>+20</sup>, APP21, BM76, BDTC15, BGMP03, BNCC15, BEH19, BLAM98, BSC<sup>+07</sup>, BGM<sup>+99</sup>, BMNW01, BKD<sup>+20</sup>, BAO<sup>+07</sup>, BHS<sup>+15</sup>, BHC<sup>+18</sup>, BCGN<sup>+18</sup>, BRG<sup>+23</sup>, BHPC06, BDBJ01, BSH<sup>+20</sup>, BMG<sup>+21a</sup>, BTJ<sup>+17</sup>, BMG<sup>+21b</sup>, BGS<sup>+04</sup>, BHMS09, BGWP<sup>+17</sup>, BTV<sup>+17</sup>, CRGA17]. **Atlantic** [CSM<sup>+15</sup>, CPG<sup>+18</sup>, CGV13a, CB06, CHG<sup>+18</sup>, CMJPH<sup>+18</sup>, CPC<sup>+15</sup>, CPHR98, CBB<sup>+22c</sup>, Cia14, CRF<sup>+10</sup>, DHC<sup>+20</sup>, DN07, DBC<sup>+18</sup>, DL69, DGMM85, DMML88, DLM<sup>+96</sup>, Dom84, Dri06, DP13, DFH<sup>+16</sup>, DK07, ECGP01, EBM<sup>+20</sup>, EBM<sup>+21</sup>, Eme65, ED82, Emi65, EMU21, EMK<sup>+17</sup>, FGSA97, FAAF88, FHG03, FCMCÁS19, dCFK17, FBT<sup>+22</sup>, FWH<sup>+17</sup>, FKZ<sup>+15</sup>, FMP19, FJH10, FKH<sup>+13</sup>, FMSBW13, FW91, FMW91, GSV<sup>+01</sup>, GIPC<sup>+15</sup>, GMAGH<sup>+17</sup>, GSM<sup>+17</sup>, GBC<sup>+00</sup>, GdRGC<sup>+14</sup>, GHC<sup>+17</sup>, GLAHH<sup>+22</sup>, GGAA<sup>+23</sup>, GA01, GD85, GTNK21, GPC<sup>+03</sup>, GAM98a, GAM98b, GA00, GEPC15, HLR17, HØH<sup>+03</sup>, HMRA<sup>+03</sup>, HBL<sup>+13</sup>, HBD<sup>+21</sup>, HPB<sup>+09</sup>, HLM<sup>+16</sup>, HDZY15, HMP<sup>+13</sup>, HGPFN<sup>+14</sup>, HGTP<sup>+19</sup>, HMPZ11, HAA<sup>+14</sup>, HHSR07, HMH07, HDB13, ICB<sup>+19</sup>, JSdSS<sup>+21</sup>, JLB<sup>+08</sup>, JLP<sup>+20b</sup>, JST<sup>+24</sup>, JCM<sup>+21</sup>, JPIP22, KSV08, KGL22, KKNT23, KY15, KDL<sup>+01</sup>, KBHML17, KT04, KJH<sup>+22</sup>]. **Atlantic** [Kos93, KHP<sup>+18</sup>, KFM15, KVLA06, LBK<sup>+01</sup>, LM00, LFC<sup>+15</sup>, LLH<sup>+21</sup>, LNB13, LAGM<sup>+23</sup>, LB14, LvIKB07, LMP22, LOC95, LBF<sup>+22</sup>, MMGL<sup>+07</sup>, MHS<sup>+20b</sup>, MHR<sup>+10</sup>, MSJ<sup>+15</sup>, McC92, MFS<sup>+16a</sup>, MFS<sup>+16b</sup>, McG64, MBH<sup>+23</sup>, MAAS<sup>+00</sup>, MIN<sup>+20</sup>, MBF<sup>+14</sup>, MRW<sup>+14</sup>, MHCS<sup>+23</sup>, MFM85, MGK<sup>+86</sup>, Mol04, Mol22, MST<sup>+23b</sup>, NCH<sup>+07</sup>, Nof96, Nof00, NGNV12, Ola65b, OHC<sup>+17</sup>, OCH<sup>+18</sup>, OMS<sup>+15</sup>, OÁSG<sup>+16</sup>, Owe91, PTM<sup>+22</sup>, PMM<sup>+23</sup>, PVC<sup>+08</sup>, PFHM16, PL01, PPHM18, PMDR06, Peñ24, PJH<sup>+15</sup>, PMH17, PGGG17, PP85, PGC<sup>+96</sup>, PHCA17, PNF<sup>+21</sup>, Pug84, PGG<sup>+22</sup>, QPR03, RGC<sup>+01</sup>, Rea00, RBR<sup>+23</sup>, RDL<sup>+91</sup>, RCD<sup>+94</sup>, RKFD07, RTN90, Ric85, Ric93, RAP95, RAB<sup>+84</sup>, Roe84a, Roe84b, RB84, RJT84, RFKC16, RFPG15, RFS10, RR01, RKS<sup>+15</sup>, RKC<sup>+10</sup>, RDP<sup>+21</sup>, SCLG<sup>+11</sup>, SHK<sup>+14</sup>, SF85, SIR<sup>+07</sup>, SFMT12, SFMT14, dSSDS<sup>+20</sup>, SWT<sup>+17</sup>, Sme93, SQJ<sup>+17</sup>, SBD01, SJD10, SWZS<sup>+21</sup>, SBE<sup>+20</sup>]. **Atlantic** [SPW22, SPK<sup>+22</sup>, SD07, THBA19, Thu90, TŠT<sup>+17</sup>, TLM<sup>+17</sup>, THM<sup>+14</sup>, TBW00, Tsu86, VBL<sup>+21</sup>, VMB<sup>+22a</sup>, VHV<sup>+12</sup>, VSC01, VCSG<sup>+01</sup>, VPW01, VDDA<sup>+08</sup>, VFS<sup>+15</sup>, VBJ<sup>+20</sup>, WMB<sup>+21</sup>, WLD<sup>+15</sup>, WSO<sup>+13</sup>, WHBW03, WBB<sup>+01</sup>, WDK<sup>+01</sup>, WWSJ07, Yas07a, YSD15, YS15, YSN20, ZAC<sup>+23</sup>, ZLZ<sup>+17</sup>, ZBLF23, dPGSHL23, dLPHF<sup>+15</sup>, ARH<sup>+00</sup>, AB00, Anol7a, BJ17, PHCA17, RNP<sup>+17</sup>, SWT<sup>+17</sup>, ZSBL00]. **atlantica** [BLCL14]. **atlanticum** [OBD<sup>+20</sup>]. **atlantid** [WPBG<sup>+18</sup>]. **Atlantification** [WHS<sup>+23</sup>, MGWZ20]. **ATLANTIS** [LFG10, KHL12]. **Atlas** [Ang79a, CBB<sup>+02</sup>, TTL<sup>+04</sup>, FMW91].

**atmosphere** [Bla63, LSW02, MLL<sup>+</sup>22, NBG<sup>+</sup>05, Pie01].  
**atmosphere-ocean-ecosystem** [MLL<sup>+</sup>22]. **Atmospheric**  
 [AALM06, BJ17, DL69, DVB<sup>+</sup>18, LGG18, PSM<sup>+</sup>22, SBPGP<sup>+</sup>23, ZPY<sup>+</sup>20,  
 BDTC15, DCL<sup>+</sup>13a, GCD<sup>+</sup>99, HDZY15, Kaz17, LZL<sup>+</sup>22, MM99, OAB<sup>+</sup>16,  
 OAD22, RMK<sup>+</sup>21, RDD<sup>+</sup>18, RHM<sup>+</sup>19, SMdG02, TPN<sup>+</sup>18, VBA<sup>+</sup>18, XY21].  
**Atmospheric-Driven** [SBPGP<sup>+</sup>23]. **atmospherically** [CPSM20].  
**atmospherically-forced** [CPSM20]. **Atoll** [HWF<sup>+</sup>21, PS23, RHB23]. **atolls**  
 [PCH<sup>+</sup>08b]. **atoms** [Ros65]. **ATP** [GGQ07]. **ATP-P** [GGQ07]. **attenuation**  
 [KM08]. **August** [Ano13g, Ano22-29, Ano22-30, Ano98c, Ano99c, Ano00g,  
 Ano08r, Ano09m, Ano12n, Ano16o, Ano17n, Ano20b, Ano21b, Ano22b,  
 Ano23b, HFV<sup>+</sup>98, JRW01]. **Auks** [KGJ<sup>+</sup>10]. **aurita** [KLP<sup>+</sup>17, TCF<sup>+</sup>18].  
**austral** [AMY<sup>+</sup>23, MST<sup>+</sup>23a, SSN23, YLL19]. **Australia**  
 [DPF<sup>+</sup>20, Hob10, LHF<sup>+</sup>16, MB07, TTF<sup>+</sup>22, WOW<sup>+</sup>14]. **Australian**  
 [Her97, HT97, ORCH<sup>+</sup>19, RD03, KY23, MD07, NC80, SOB<sup>+</sup>08]. **australis**  
 [FCN<sup>+</sup>19]. **Author** [Ano65a, Ano65b, Ano69a, Ano73a, Ano85b]. **auto**  
 [MSMH19]. **auto-** [MSMH19]. **autocorrelation** [BAOM<sup>+</sup>12]. **Automated**  
 [DHB<sup>+</sup>21, MERB12, SPH<sup>+</sup>15b]. **automatic** [iYO<sup>+</sup>10]. **autotrophic**  
 [BLP93]. **autumn** [BC88, CWB<sup>+</sup>22, EMU<sup>+</sup>23, HBG<sup>+</sup>21, KFC<sup>+</sup>23, NST<sup>+</sup>23,  
 PFHM16, SSV<sup>+</sup>11, WSH<sup>+</sup>22]. **Auxis** [KTIT22]. **availability** [CSV<sup>+</sup>07,  
 FVLC<sup>+</sup>23, JYL<sup>+</sup>19, KZD<sup>+</sup>19, LPF<sup>+</sup>18, OMR<sup>+</sup>22, OIC<sup>+</sup>23, VMC<sup>+</sup>19].  
**available** [MBCB88, MFDH22]. **average** [Tur65, Wun24]. **Avilés**  
 [RCSVGP<sup>+</sup>16]. **avoid** [LPHL<sup>+</sup>05b]. **Avoiding** [AF10]. **avoids** [McK08].  
**awakening** [LMA<sup>+</sup>15]. **AXB** [WLM07]. **axial** [CSR90]. **Azores**  
 [Ang89, CGMP14, FPIJ85, Gou85, NJCD01, PP85, SGMP15]. **Azov**  
 [FBS<sup>+</sup>18, KAG<sup>+</sup>19].

**B** [Ang80]. **back** [PPPdS20]. **background** [BCF<sup>+</sup>03, HMH<sup>+</sup>15, Pie01].  
**backscatter** [ADS<sup>+</sup>22, BPSN<sup>+</sup>21, MIN<sup>+</sup>20, PBBH<sup>+</sup>22, UPPS<sup>+</sup>21].  
**backscattering** [BLR<sup>+</sup>23b, SBBV04]. **backtracking** [TMR<sup>+</sup>21]. **bacteria**  
 [FCG88, GMBU12, JP90, MY23, Sie88, SHS<sup>+</sup>05]. **Bacterial**  
 [ASC92, DMD<sup>+</sup>00, ECGP01, BFJ18, CC88, CTR<sup>+</sup>19, DDE<sup>+</sup>95, DGP<sup>+</sup>13,  
 GMAGH<sup>+</sup>17, GMDD<sup>+</sup>22b, GMDD<sup>+</sup>22a, HLR17, Her88, RMB<sup>+</sup>01, SST<sup>+</sup>17,  
 TAW<sup>+</sup>15, TVT<sup>+</sup>23, VCB<sup>+</sup>00, ZKK<sup>+</sup>16]. **Bacterioplankton**  
 [BSMC15, BGM<sup>+</sup>01, DLM<sup>+</sup>12, DDP<sup>+</sup>00, EGPM<sup>+</sup>15, MDC<sup>+</sup>07]. **Baffin**  
 [MFM15, TRY<sup>+</sup>04]. **Bahamas** [Ché14]. **bairdi** [RKCH15]. **Baja**  
 [BGM<sup>+</sup>10, DB02, Dur09, JOGM<sup>+</sup>10, LAA12, LABD<sup>+</sup>24, PELAA18]. **Baker**  
 [RBL<sup>+</sup>19]. **balance** [BSF95, HPZC21, LHP<sup>+</sup>05, RGC<sup>+</sup>01, Tur65, YTNK00].  
**balanced** [Mau10]. **balances** [AHW99, BS95]. **Balancing** [SCB<sup>+</sup>07, Fly03].  
**Balearic** [BZD<sup>+</sup>21, CHSB<sup>+</sup>21, AQVB<sup>+</sup>10, CPG08, OMR<sup>+</sup>22, PTG95,  
 PLJR22, dPAJ07]. **Baleen** [MHVS19, GVBV<sup>+</sup>21]. **Bali** [SNR<sup>+</sup>10]. **ballast**  
 [SL13]. **Ballenas** [SRFHDH22]. **BALTEX** [OELP04]. **Baltic**  
 [APC<sup>+</sup>12, BMC17, BLC23, BBF<sup>+</sup>22, CS18, HVR15, HKPV12, HLP<sup>+</sup>16,  
 HvDL<sup>+</sup>17, HCGK11, MHTG10, OELP04, OEL<sup>+</sup>14, PBB<sup>+</sup>12a, PDV12,  
 PBB<sup>+</sup>12b, PHFK14, RBF<sup>+</sup>09, SPB<sup>+</sup>12, Seg69, Sei63, TMKJ<sup>+</sup>09, VH09a,

VH09b, VPH<sup>+12</sup>, VHK03, VHK04]. **bamboo** [PRA<sup>+18</sup>]. **bamboo-coral** [PRA<sup>+18</sup>]. **band** [SMFM<sup>+21</sup>]. **Bank** [CSV<sup>+07</sup>, HØ07, JJA<sup>+17</sup>, RCSA01, CHC<sup>+12</sup>, ESA<sup>+13</sup>, LTSG13, SSI13, TSP<sup>+13</sup>, BBL<sup>+09</sup>, DGP<sup>+13</sup>, EMBS13, GGJ<sup>+10</sup>, LTSG13, MEST13, PIS13, SCB<sup>+07</sup>, SEO13]. **Banner** [Ang80]. **Barbados** [JFG<sup>+90</sup>, OSH<sup>+96</sup>]. **Barbara** [AHW99, SC23, SPB<sup>+02</sup>]. **barbatus** [MSC<sup>+15</sup>]. **Barcelona** [SCMAR<sup>+99</sup>]. **barcoding** [JM19]. **Barents** [EBW<sup>+23</sup>, AEP<sup>+23</sup>, AAMB<sup>+24</sup>, AOMZ<sup>+23</sup>, BSF<sup>+21</sup>, BRG<sup>+23</sup>, CIL<sup>+23</sup>, CGV13a, CGV13b, DM13, DA<sub>v</sub>D<sup>+20</sup>, Dol09, Dri11, DCL<sup>+13a</sup>, EFC<sup>+23</sup>, ESGP17, EGP<sup>+18</sup>, EBD<sup>+20</sup>, ESD<sup>+21</sup>, HBL<sup>+13</sup>, JCF<sup>+23</sup>, JMSB<sup>+23</sup>, KFC<sup>+23</sup>, KMS<sup>+24</sup>, KSB<sup>+22</sup>, KGB<sup>+23</sup>, LJM<sup>+16</sup>, LNB13, MGA<sup>+23</sup>, RCS<sup>+11</sup>, SHP<sup>+23</sup>, SDH<sup>+14</sup>, SAB<sup>+21</sup>, SEG<sup>+22b</sup>, SEG22a, SDO<sup>+14</sup>, TVT<sup>+23</sup>, Tit20, WRH<sup>+06</sup>, WHS<sup>+23</sup>, YS15, dIGFM<sup>+23</sup>]. **Barents/Norwegian/Greenland** [HBL<sup>+13</sup>]. **Bari** [CFML22, SCC<sup>+19</sup>]. **Barkley** [CLSD18, CMHM18, DOS<sup>+18</sup>]. **Baroclinic** [RZW<sup>+23</sup>, CSLJ03, Hog85, HNSP<sup>+19</sup>, KT97]. **barotropic** [DEW<sup>+97</sup>, Hut87, LL97, RZW<sup>+23</sup>, Sak86]. **Barrier** [BECR<sup>+22</sup>, GHC<sup>+17</sup>]. **barriers** [JLRB20, TKC<sup>+22</sup>]. **Barrow** [HFO<sup>+22</sup>]. **bartramii** [IIS<sup>+17</sup>]. **Base** [CLdPHL23, KH09, SJP10]. **Based** [YN20, BEP02, BSH<sup>+20</sup>, BMN19, BGV<sup>+23</sup>, BLT<sup>+08</sup>, CGMP14, CMS<sup>+13</sup>, CMG15, CHC<sup>+12</sup>, CSK<sup>+12</sup>, CKT<sup>+13</sup>, DPR<sup>+18</sup>, DSBP15, DHL<sup>+21</sup>, DPF<sup>+20</sup>, ERBV21, FTSF21, FFA06, Fuk91, GSFP<sup>+09</sup>, GRMB18, GNH19, GBH<sup>+20</sup>, HSS<sup>+12</sup>, HFS<sup>+20</sup>, HMX<sup>+23</sup>, JPM<sup>+08</sup>, JAC<sup>+12</sup>, JHDT12, KGL22, KSS<sup>+23</sup>, KPSB22, LLH<sup>+21</sup>, LMT<sup>+19</sup>, LB20, NGLL<sup>+22</sup>, PCSMC12, PMMN<sup>+22</sup>, PGS<sup>+22</sup>, Pra91, SGMVF14, SPSV<sup>+20</sup>, SOA<sup>+23</sup>, SGR<sup>+22</sup>, TAM<sup>+13</sup>, VVV21, VSPP14, WZFW16, WCX<sup>+21</sup>, WSS15, WFJ<sup>+15</sup>, WLM07, WPB05, WJPHB15, YWUK15, ZL01]. **Baseline** [JLS<sup>+22</sup>, EBD<sup>+20</sup>, MRAP22, OPH<sup>+24</sup>, SKH<sup>+23</sup>]. **basic** [Ken88]. **Basin** [AAML22, GGAA<sup>+23</sup>, Hic92, HGBG20, IMM<sup>+22</sup>, KKS<sup>+19</sup>, LXC<sup>+22</sup>, MPCNC<sup>+19</sup>, UB10, AVS23, AIA<sup>+18</sup>, BMK12, DSC<sup>+19</sup>, GBC<sup>+00</sup>, GPC<sup>+03</sup>, HMTL05, HS07, IHT<sup>+21</sup>, JLP<sup>+20a</sup>, JLP<sup>+20b</sup>, LBH<sup>+21</sup>, LH08, MDB<sup>+20</sup>, MZGA<sup>+20</sup>, MJA<sup>+07</sup>, NGLSSG14, PBB<sup>+20</sup>, PKV18, SSL08, SiSI<sup>+02</sup>, SPB<sup>+02</sup>, SSM<sup>+18</sup>, SSW<sup>+09</sup>, TCDPP<sup>+22</sup>, dIPHF<sup>+15</sup>, SBB<sup>+14</sup>, ABM<sup>+05</sup>, BSW86, BS95, BPTT19, CMPNC<sup>+22</sup>, CJ92, EFC<sup>+23</sup>, FGS<sup>+23</sup>, GGE<sup>+65</sup>, Hau18, HHW01, HHW22, HKE<sup>+10</sup>, JMSB<sup>+23</sup>, KZSH85, KY23, LTG85, LSV14, LPA92, MHGP06, MD07, NHN<sup>+21</sup>, Ore69, ÖHÜ89, Rot65, RKS<sup>+15</sup>, SBK<sup>+95</sup>, SPB<sup>+12</sup>, SE92, TG05, VK92, WWN<sup>+99</sup>, WRS<sup>+92</sup>]. **Basin-scale** [GGAA<sup>+23</sup>, HGBG20, IMM<sup>+22</sup>, UB10, BMK12, GPC<sup>+03</sup>, IHT<sup>+21</sup>, JLP<sup>+20a</sup>, JLP<sup>+20b</sup>, MJA<sup>+07</sup>, NGLSSG14, SSL08]. **basin-wide** [PKV18, SSM<sup>+18</sup>, CMPNC<sup>+22</sup>]. **basinal** [YNTS22]. **basins** [BHB<sup>+19</sup>, BKC15, FWL<sup>+15</sup>, aHFS92, JYL<sup>+19</sup>, YSD15, Gor92, WJE<sup>+92</sup>]. **basis** [vdS94a]. **bassanus** [SWP<sup>+13a</sup>]. **bassin** [Rot65]. **batch** [TGR05]. **batch-dissolution** [TGR05]. **Bathyal** [SW21, Car98, DMD<sup>+00</sup>, HFO90, HWBT03, SS03, TPM<sup>+00</sup>]. **Bathymetric** [CGM<sup>+02</sup>, GSSWK20, KKKS14, ACB<sup>+13</sup>, BHS<sup>+15</sup>, CMM<sup>+04</sup>, FBD18, MMPG07, VMB<sup>+22b</sup>]. **bathymetries** [Pra04]. **bathymetry**

[LW13, STEB16]. **bathypelagic**  
 [CRC<sup>+19</sup>, PMFNGQ21, SLOP<sup>+22</sup>, ZPC<sup>+16</sup>]. **Bathysquillidae** [MKD90].  
**bathythermograph** [Mol22]. **Bay**  
 [CÁM06, CLMR23, FB05, HL05, HJLLN07, HPHL<sup>+05</sup>, KKS<sup>+03</sup>, KNS<sup>+03</sup>, LZCZ05, LWT<sup>+20</sup>, MGS90, NMK<sup>+03</sup>, NKK03, OAD22, PHLL05, PLHLF05, RVS<sup>+21</sup>, TWMY08, TSFA22, iUMY86, VOG<sup>+08</sup>, VGM<sup>+23</sup>, VK90, ZCLS20, BLT<sup>+15</sup>, KOhL<sup>+10</sup>, LDD<sup>+22</sup>, USH15b, XYK<sup>+22</sup>, AIA<sup>+15</sup>, ADV<sup>+18</sup>, ALT10, BCGN<sup>+18</sup>, BHLU<sup>+07</sup>, Bre06, BhTW10, CDS90, CSC<sup>+12</sup>, DBC<sup>+18</sup>, DPH<sup>+18</sup>, DPR<sup>+18</sup>, DHHP18, ERT<sup>+22</sup>, EHG<sup>+12</sup>, GCD<sup>+18</sup>, GH15, GA10, GRD<sup>+23</sup>, HBV<sup>+10</sup>, HCC02, HLD<sup>+21</sup>, HPW10, IFC<sup>+07</sup>, JJA<sup>+13</sup>, JX18, JFUR20, KFKO03, KSP<sup>+23</sup>, LAD<sup>+18</sup>, LLL<sup>+11</sup>, LCBN14, LML<sup>+23</sup>, LOBG<sup>+10</sup>, LSIC12, LSIB23, MMR<sup>+12</sup>, MCG<sup>+02</sup>, MLD<sup>+03</sup>, MFM15, MJA<sup>+07</sup>, MFH86, NP00, NMN08, OMS<sup>+09</sup>, PMFNGQ21, PTZ<sup>+23</sup>, PGRP<sup>+18</sup>, PVV23, RCSVGP<sup>+16</sup>, SMN<sup>+13</sup>, SBL<sup>+23</sup>, SS03, Soh03, SRT<sup>+18</sup>, TMN<sup>+12</sup>, TRY<sup>+04</sup>, TFM03, USH15b, VLUC<sup>+07</sup>, VDB<sup>+20</sup>, VJJ<sup>+22</sup>, VBM21, VKJ<sup>+23</sup>, WCB20a, WPH<sup>+10</sup>, XWW<sup>+21</sup>, ZHF<sup>+24</sup>]. **Bay** [Ang80]. **Bayesian** [GL23, OWH14, PVA24]. **bays** [HGH<sup>+19</sup>]. **BBMO** [VGM<sup>+23</sup>]. **BCB** [CQO<sup>+15</sup>]. **be** [QSC<sup>+15</sup>]. **Beach** [Let87, SCS87]. **Beagle** [CAH<sup>+22</sup>, ILA21]. **BEAGLE2003** [AFH<sup>+11</sup>, KMWF11]. **beaked** [SGL<sup>+18</sup>]. **beam** [ON22]. **bearded** [CQC15, MSC<sup>+15</sup>]. **Beaufort** [CQO<sup>+15</sup>, CBB<sup>+15</sup>, LPF<sup>+21</sup>, BD18, BPM<sup>+14</sup>, CDP14, DLD<sup>+19</sup>, DWC06, FMCG15, GDL<sup>+15</sup>, HSG<sup>+15</sup>, KFH<sup>+15</sup>, LPW<sup>+23</sup>, LBC<sup>+15</sup>, MSC<sup>+15</sup>, NNFL21, OACA20, PSM<sup>+22</sup>, WLCG23]. **bed** [DXH<sup>+02</sup>, HHK<sup>+02</sup>, WAH<sup>+20</sup>]. **been** [MKB00]. **beer** [GAF15]. **before** [LBH<sup>+87</sup>]. **behavior**  
 [CdTH<sup>+16</sup>, HHP10, JBB<sup>+14</sup>, MPM<sup>+18</sup>, PO15, SBLA10, SK17, TNS<sup>+05</sup>].  
**behavioral** [BVJE19, BAP<sup>+22</sup>, KSK<sup>+15</sup>]. **behavioral-hydrodynamic**  
 [KSK<sup>+15</sup>]. **behaviors** [CZG<sup>+21</sup>]. **behaviour**  
 [ASC07, BLP<sup>+20</sup>, BGB<sup>+08</sup>, DCM16, DMBHG10, ESA<sup>+13</sup>, FDB<sup>+21</sup>, LSF<sup>+17</sup>, MKOLA20, NRS<sup>+19</sup>, RHB23, RAE<sup>+05</sup>, STC10, STEB16, Sma10b, ST10].  
**behavioural** [QCdS<sup>+07</sup>]. **behind**  
 [BCD<sup>+20</sup>, DLL<sup>+23</sup>, DMT15, LMA<sup>+15</sup>, OMS<sup>+15</sup>, SD07]. **belly** [GAF15].  
**belonging** [CSH<sup>+23</sup>]. **belongs** [RK20]. **below** [BHK<sup>+19</sup>, OT19]. **Beneath**  
 [BH07, MSL<sup>+07</sup>]. **benefits** [BPA<sup>+21</sup>]. **BENGAL**  
 [BR01, RWD01, JFUR20, KSP<sup>+23</sup>, MMR<sup>+12</sup>, MJA<sup>+07</sup>, MFH86, PTZ<sup>+23</sup>, PVV23, RVS<sup>+21</sup>, VJJ<sup>+22</sup>, VBM21, VKJ<sup>+23</sup>, XWW<sup>+21</sup>]. **Benguela**  
 [AH80, AVK91, AE09, BC91, BHAJ12, CB91, CJMI<sup>+91</sup>, CS04, DBR03, FUOG<sup>+16</sup>, GDSCU09, HMRB<sup>+03</sup>, HSC09, HVEF09, HvdLS<sup>+09</sup>, MIW91, NH83, PWMIM91, RBS<sup>+09</sup>, SE16, SKRM<sup>+95</sup>, TFM03, TS10, VPS09, Ver91, WP91, ZHBW01]. **Benthic** [BHE<sup>+98</sup>, BRC<sup>+18</sup>, Car98, CBL<sup>+19</sup>, DDDT99, DTW<sup>+00</sup>, FJA<sup>+21</sup>, GBB96, HFO90, HG04, JPIP22, LTSG13, LGR<sup>+02</sup>, RBL90, TDH<sup>+95</sup>, ZHSM14, vWM02a, Ano94k, BBMR19, BTG<sup>+03</sup>, BD18, CLSP17, CMHM18, CSG<sup>+15</sup>, CDP14, CTR<sup>+19</sup>, DLL<sup>+23</sup>, DL17, DBJ<sup>+15</sup>, DBR20, FLdST98, GRMB18, GPP22, GvOSW11, GD85, GWK17, GLV12, GEP<sup>+08</sup>, HLS<sup>+14b</sup>, IBW<sup>+01</sup>, JPBB20, KGdS<sup>+08</sup>, KLC<sup>+15</sup>, KRHS14,

LJM<sup>+16</sup>, LRJ<sup>+15</sup>, MGS90, MBH<sup>+23</sup>, MKSvA<sup>+22</sup>, MDR20, MRW<sup>+14</sup>, NRA<sup>+21</sup>, OB98, PPHM18, PRC<sup>+20</sup>, PS98, QSC<sup>+15</sup>, QOS<sup>+22</sup>, RGC<sup>+01</sup>, RCC<sup>+18</sup>, SS03, SBG16, TAW<sup>+15</sup>, TSG<sup>+04</sup>, TvW98, TvG02, VKDS<sup>+18</sup>, WLP<sup>+21</sup>, ZCV<sup>+19</sup>, ZWM<sup>+15</sup>, ZBRJ23, vWMH98]. **Benthic/midwater** [RBL90]. **benthivory** [GBC<sup>+15</sup>]. **benthonic** [Phl65, Sai65]. **benthopelagic** [BC01, GD85]. **Benthos** [CSR90, GSSWK20, JSHB90, RSB<sup>+15</sup>, RSD<sup>+90</sup>, VMB<sup>+22b</sup>]. **bentincki** [CCM<sup>+14</sup>, SYB<sup>+15</sup>]. **bergii** [Cra09]. **Bering** [MLPN06, ANH21, AIHB<sup>+07</sup>, AT07, BE99, BDC<sup>+08</sup>, CQO<sup>+15</sup>, CBB<sup>+15</sup>, CHB02, CP02, CQC15, DWH<sup>+14</sup>, DBC<sup>+23</sup>, FJA<sup>+21</sup>, FMCG15, GCFS06, GTS<sup>+21</sup>, HKN<sup>+14</sup>, HOY<sup>+21a</sup>, HMH<sup>+15</sup>, HS02, ISM<sup>+02</sup>, IAFD02, LDAM<sup>+07</sup>, LCJ<sup>+17</sup>, LSW02, MSC<sup>+15</sup>, MRSS02, MOSN<sup>+13</sup>, Min02, MSS<sup>+02</sup>, MWFH02, NSE<sup>+24</sup>, NHN<sup>+21</sup>, PDAM<sup>+15</sup>, PST<sup>+02</sup>, RKS01, RKCH15, iSIS02, SOH21, STHM02, SiSI<sup>+02</sup>, SNMW10, SYN<sup>+21</sup>, TFY02, WFH<sup>+22</sup>, WMC<sup>+89</sup>, WD94, WDC<sup>+11</sup>, WHI<sup>+02</sup>, Woo18, YNM<sup>+02</sup>, ZK06, ZWP23]. **Bering/Chukchi** [WMC<sup>+89</sup>]. **Bermuda** [Ang79b, SS69]. **Bernard** [CRiI<sup>+15b</sup>]. **better** [CRiI<sup>+15a</sup>]. **between** [ALT10, BLP<sup>+20</sup>, CCS<sup>+21</sup>, CRF<sup>+10</sup>, CBL<sup>+19</sup>, CQC15, CTI<sup>+19</sup>, DDDT99, DP18, DLD<sup>+19</sup>, DCL<sup>+13a</sup>, DL17, FMC<sup>+20</sup>, GVBV<sup>+21</sup>, GBC<sup>+00</sup>, GA01, GDM<sup>+15</sup>, HL05, HJLLN07, HFW<sup>+98</sup>, hHCK01, HBH<sup>+17</sup>, HLS<sup>+14b</sup>, HM06, IIS<sup>+17</sup>, KF11, KKKS14, KTIT22, KAK<sup>+22b</sup>, LSF<sup>+17</sup>, LDB<sup>+02</sup>, LHP<sup>+05</sup>, LOBG<sup>+10</sup>, LB20, LHC<sup>+19</sup>, LMP22, MSC<sup>+15</sup>, MPV12, MNT14, MMF<sup>+07</sup>, MSd<sup>+16</sup>, MCG<sup>+14</sup>, MM90, NYH<sup>+22</sup>, PAM<sup>+88</sup>, PL09, RFFL21, RGPB<sup>+23</sup>, RLR<sup>+18</sup>, SMFM<sup>+21</sup>, SCB<sup>+09</sup>, SRF<sup>+19</sup>, Val99a, VCM04, VDB<sup>+20</sup>, VHK03, VHK04, WNNI21, WSH15, XYGJ23, XC14, YFK21, Yu23, ZL01, ZSBL00]. **between-region** [MPV12]. **Beyond** [MBH<sup>+01</sup>]. **BGC** [WCX<sup>+21</sup>]. **BGC-Argo** [WCX<sup>+21</sup>]. **Bi** [LDD<sup>+22</sup>, BCLD<sup>+17</sup>, OMS<sup>+15</sup>, RNB<sup>+19</sup>]. **Bi-decadal** [LDD<sup>+22</sup>, OMS<sup>+15</sup>]. **bi-frequency** [BCLD<sup>+17</sup>]. **bi-phasic** [RNB<sup>+19</sup>]. **bias** [CDB<sup>+24</sup>, KSK21, MRH<sup>+18</sup>]. **bibliography** [Ano65f, SMB88]. **Bifurcation** [Sak86, CF07, DCD<sup>+23</sup>]. **big** [MVV<sup>+19</sup>]. **bigeye** [HLTB<sup>+17</sup>, HHP10, LSS<sup>+10</sup>]. **Bight** [AG22, ASC92, BHPC06, BTS22, CB06, DIM09, Epp92, Ham87, Her97, HT97, KMMC09, KC15, KVLA06, LLS01, PG10, WWL<sup>+22</sup>, WLM<sup>+22</sup>, ZAC<sup>+23</sup>, dFKdLZTT17]. **Bill** [SSB<sup>+20b</sup>]. **billfish** [McI10]. **Bio** [GNH19, TII<sup>+14</sup>, BDB<sup>+04</sup>, BMB<sup>+16</sup>, HPB<sup>+09</sup>, KTH<sup>+21</sup>, PTP<sup>+22</sup>, PKP14, SWP<sup>+13a</sup>]. **bio-geographical** [HPB<sup>+09</sup>]. **Bio-optical** [GNH19, TII<sup>+14</sup>, BDB<sup>+04</sup>, BMB<sup>+16</sup>, KTH<sup>+21</sup>, PTP<sup>+22</sup>]. **bio-physical** [PKP14, SWP<sup>+13a</sup>]. **Bioaccumulation** [ORB<sup>+18</sup>, FDM<sup>+13</sup>]. **Bioavailable** [LFBP<sup>+13</sup>]. **Biochemical** [DDP<sup>+00</sup>, DDD<sup>+00</sup>, MPC<sup>+17</sup>]. **Biodegradation** [RPG<sup>+18</sup>]. **Biodiversity** [BBRM20, GCLD19, MA20, MFA<sup>+15</sup>, SSB20a, BD19, BHC<sup>+18</sup>, EBM<sup>+20</sup>, FAB<sup>+09</sup>, MDAW<sup>+19</sup>, MVV<sup>+19</sup>, NCC<sup>+15</sup>, RSB<sup>+15</sup>, SMR<sup>+20</sup>, SPH<sup>+15b</sup>, STGR<sup>+23</sup>, TKC<sup>+22</sup>, WPA<sup>+24</sup>, dLLdAWL<sup>+23</sup>]. **Bioen** [MSB<sup>+23</sup>]. **Bioen-OSMOSE** [MSB<sup>+23</sup>]. **Bioenergetic** [GCD<sup>+18</sup>, MPB<sup>+23</sup>, MSB<sup>+23</sup>]. **Bioenergetics**

[JSdSS<sup>+</sup>21, LLS01, MLHE23, YWUK15]. **Biofilm** [WST<sup>+</sup>16]. **Biofilm-like** [WST<sup>+</sup>16]. **Biogenic** [FTG<sup>+</sup>11, GTR01, NEI<sup>+</sup>22, ASÁB<sup>+</sup>14, ÁBMÁS14, ÁBMÁS15, BT07, CWZ<sup>+</sup>20, CE84, GLY23, IU14, LBNBM13, ORW<sup>+</sup>01, PBP<sup>+</sup>99, RGC<sup>+</sup>01, TRP<sup>+</sup>23, THM<sup>+</sup>06, TGR05, WGZZ19, WSC<sup>+</sup>21]. **Biogeochemical** [CLV<sup>+</sup>19, DFM<sup>+</sup>21, HBV<sup>+</sup>10, HBW17, HWF<sup>+</sup>21, NBG<sup>+</sup>05, NMY<sup>+</sup>14, NYH<sup>+</sup>22, NST<sup>+</sup>23, RGB<sup>+</sup>17, VPW01, ÁSFP<sup>+</sup>03, AH15, BFPS06, BHM<sup>+</sup>15, BTS22, DVB<sup>+</sup>18, DCS<sup>+</sup>22, FMP19, FCEZ10, FYYC05, GLF<sup>+</sup>17, GL23, HHR<sup>+</sup>19, JB15, JLB<sup>+</sup>08, KKO10, LK13, LRW<sup>+</sup>15, LSH<sup>+</sup>22, MMGL<sup>+</sup>07, MCG<sup>+</sup>14, PFHM16, PST<sup>+</sup>15, RBL<sup>+</sup>19, RRLS22, Smi05, TR99, TWBC<sup>+</sup>13, TAO05, TDL<sup>+</sup>17, UBB<sup>+</sup>23, WSO<sup>+</sup>13, WHBK05, WL16, XC14, ZHF<sup>+</sup>24, ZDM<sup>+</sup>20]. **biogeochemically** [DBRK17]. **Biogeochemistry** [CPNL07, KHC<sup>+</sup>99, NCH<sup>+</sup>07, CTMV<sup>+</sup>14, Cow05, GCD<sup>+</sup>99, HM15, KHS<sup>+</sup>14, PBB<sup>+</sup>20, Pai20, PLP99, SKWWGV18, SMP<sup>+</sup>22b]. **biogeographic** [MB20, SW21, XLL<sup>+</sup>20]. **Biogeographical** [FPY<sup>+</sup>16, OHC<sup>+</sup>17]. **Biogeography** [BC16, MKD90, WPBG<sup>+</sup>18, Bol94, BBRM20, DSR21, ERBV21, GdRGC<sup>+</sup>14, GC09, JAC<sup>+</sup>12, KA94, OH94, OvdSN94, Sou94a, VWDF14, VFS<sup>+</sup>15, WGCS13, Whi94, vdS94a, vdS94b]. **Bioindicator** [WWW<sup>+</sup>23]. **Biological** [CPC<sup>+</sup>02, HKE<sup>+</sup>10, JLP<sup>+</sup>20a, JLP<sup>+</sup>20b, Seg69, SW22, BBE<sup>+</sup>15, BHM<sup>+</sup>15, BP02, BKC15, CW06, CMC<sup>+</sup>16, CPG08, CLCBB19, CMF15, CEF<sup>+</sup>13, DLL<sup>+</sup>23, DRVMC<sup>+</sup>22, FDE<sup>+</sup>22, GdRGL<sup>+</sup>01, GDI<sup>+</sup>09, HVRR15, HFW<sup>+</sup>98, HKPV12, HMKF08, HFPS<sup>+</sup>06, KYT<sup>+</sup>16, KCPM09, Law04, Leh01, LBSP01, LSMG01, LSS<sup>+</sup>09, LHF<sup>+</sup>16, LH89, LFBP<sup>+</sup>13, MMGL<sup>+</sup>07, MHS<sup>+</sup>20a, MHS<sup>+</sup>20b, MKHO96, MMN<sup>+</sup>24, MJA<sup>+</sup>07, Ore69, PMC16, RLT<sup>+</sup>22, RDD<sup>+</sup>18, RGI05, RBL90, RGM01, SOS<sup>+</sup>07, SCD<sup>+</sup>07, SMP<sup>+</sup>22a, SMB88, SG91, SDJ14, TDGY22, TCL20, Tur15, WB03, YNM<sup>+</sup>02, SHK<sup>+</sup>14]. **biologically** [BCB<sup>+</sup>05, KFH<sup>+</sup>15, MCMT<sup>+</sup>17]. **biologist** [Bil01]. **Biology** [Har82, BM76, CH07b, FARRL<sup>+</sup>13, HWBT03, Nie07]. **bioluminescence** [MPMA13, MNT14, MSMH19]. **biomarker** [BSC<sup>+</sup>19, WPW<sup>+</sup>14]. **biomarkers** [LSV14, PPCWJ18]. **Biomass** [AMY<sup>+</sup>23, KH09, AGL<sup>+</sup>15, BMO12, BBMR19, BM07, CLdPHL23, CCW<sup>+</sup>18, DDE<sup>+</sup>95, DDP<sup>+</sup>00, DAU22, DBJ<sup>+</sup>15, FGGDF<sup>+</sup>04, GWK17, GSSWK20, GBC<sup>+</sup>15, GAPM16, HVEF09, HG04, ILA21, Igu04, IVT<sup>+</sup>12, JSdSS<sup>+</sup>21, KSVT00, KBC<sup>+</sup>22, KGB<sup>+</sup>23, KDB95, LLL<sup>+</sup>11, LAP10, LMC<sup>+</sup>20, LWBD<sup>+</sup>17, MIW91, MA12, MMPG07, PD15, PS98, QPR03, SVL<sup>+</sup>23, SiSI<sup>+</sup>02, SSN23, SEG22a, SMM<sup>+</sup>90, SOA<sup>+</sup>23, VAEP24, VDGGD<sup>+</sup>22, WSS15, WCS<sup>+</sup>23, YMA<sup>+</sup>17, YNMY23, KVNT20]. **biomass-size** [QPR03]. **Biome** [ERBV21]. **Biophysical** [LAHI10, PTP<sup>+</sup>22, PDAM<sup>+</sup>15, CKL<sup>+</sup>14, KLP<sup>+</sup>17, LBC<sup>+</sup>23, MPM<sup>+</sup>18, SNV<sup>+</sup>18, VMH<sup>+</sup>21]. **bioprobes** [NBLI20]. **bioregionalisation** [LML<sup>+</sup>23]. **bioregions** [PGY<sup>+</sup>22, PYKF15]. **BiOS** [CGB<sup>+</sup>23]. **biota** [RCSA01]. **Biotic** [KHBA<sup>+</sup>24, GBT<sup>+</sup>19]. **Biotransformation** [CDS90]. **bioturbation** [HG04, MSL<sup>+</sup>07, QSC<sup>+</sup>15, Whe06]. **biovolume** [GWM<sup>+</sup>22]. **bird** [DLD15]. **birds** [SPS<sup>+</sup>99, SHT<sup>+</sup>01]. **Bisagno** [CLD22, DSC<sup>+</sup>19]. **Biscay** [CÁM06, CSC<sup>+</sup>12, HBV<sup>+</sup>10, AIA<sup>+</sup>15, ADV<sup>+</sup>18, ALT10, BCGN<sup>+</sup>18,



BHLU<sup>+07</sup>, CDS90, DBC<sup>+18</sup>, DPH<sup>+18</sup>, DPR<sup>+18</sup>, DHHP18, ERT<sup>+22</sup>, GCD<sup>+18</sup>, GA10, GRD<sup>+23</sup>, HLD<sup>+21</sup>, HPW10, IFC<sup>+07</sup>, LAD<sup>+18</sup>, LLL<sup>+11</sup>, LCBN14, LML<sup>+23</sup>, LOBG<sup>+10</sup>, LSIB23, MGS90, NP00, PMFNGQ21, PGRP<sup>+18</sup>, RCSVGP<sup>+16</sup>, SBL<sup>+23</sup>, SRT<sup>+18</sup>, VLUC<sup>+07</sup>, VK90, VDB<sup>+20</sup>, WPH<sup>+10</sup>.  
**Biscay** [?]IrishLeJoncour:2023:WBE. **BIT** [SMN<sup>+14</sup>]. **Bivalve** [Kam19, RvBD<sup>+22</sup>]. **bivalves** [AS96, BLES16, LDH90]. **Bivalvia** [RVC<sup>+13</sup>].  
**Black** [WFD<sup>+07</sup>, MNFY21, FBS<sup>+18</sup>, GRS08, KSB18, KAG<sup>+19</sup>, LDMH09, MCKS17, MSGGM18, ÖÜT93, SÖÜ94b, SI97, Tol85a, Tol85b]. **Black-legged** [WFD<sup>+07</sup>]. **Blanc** [FRK<sup>+09</sup>, NIF<sup>+15</sup>]. **Blanes** [ASFB<sup>+13</sup>, ACL<sup>+18</sup>, DCL<sup>+13b</sup>, FBR<sup>+13</sup>, IVR<sup>+13</sup>, JFEC13, KFC<sup>+13</sup>, LFBP<sup>+13</sup>, LFCSV<sup>+13</sup>, PPSV<sup>+18</sup>, PPSVC<sup>+13</sup>, RCF<sup>+13</sup>, SCB<sup>+09</sup>, VGM<sup>+23</sup>, ZFSV<sup>+09</sup>]. **blending** [BBM<sup>+14</sup>]. **Block** [SCB<sup>+16</sup>]. **bloom** [AW13, CKB<sup>+17</sup>, CMC<sup>+16</sup>, FHP83, GMDD<sup>+22b</sup>, GHL15, GKS<sup>+13</sup>, HBV<sup>+10</sup>, IMM<sup>+22</sup>, KHBA<sup>+24</sup>, KFM15, LGL<sup>+18</sup>, MCKS17, MMD<sup>+16</sup>, NEI<sup>+22</sup>, NSE<sup>+24</sup>, OTNI20, PMMN<sup>+22</sup>, PMS<sup>+15</sup>, RSM<sup>+23</sup>, RHM<sup>+19</sup>, STB<sup>+92</sup>, STF<sup>+13</sup>, SMP<sup>+22a</sup>, STHM02, ST10, SPH83, SDL<sup>+19</sup>, TSAM<sup>+22</sup>, TPRS10, VEM<sup>+21</sup>, VBM21, WFH<sup>+22</sup>, WLM<sup>+13</sup>, WSH<sup>+22</sup>, ZLG17a, ZLG17b, ZWM<sup>+15</sup>]. **Blooms** [GBH<sup>+20</sup>, BTS<sup>+15a</sup>, BPGD<sup>+14</sup>, DLC<sup>+08</sup>, Fro05, FB05, HLPL05, HPHL<sup>+05</sup>, ISM<sup>+02</sup>, IPF23, KMMC09, KSC10, KHJ<sup>+10</sup>, KTW<sup>+22</sup>, LPHL<sup>+05b</sup>, LPHL<sup>+05a</sup>, LMA<sup>+15</sup>, MPMFL<sup>+23</sup>, OMS<sup>+09</sup>, PHLL05, PP10, PFHM10, RPSC22, iSIS02, ST10, VHV<sup>+12</sup>, VSPP14, WDC<sup>+11</sup>, WQ08, ZBY<sup>+22</sup>].  
**blows** [HLM<sup>+16</sup>]. **blue** [BPSN<sup>+21</sup>, HPB<sup>+09</sup>, MAFS<sup>+22</sup>]. **bluefin** [AQVB<sup>+10</sup>, BMC<sup>+10</sup>, DFH<sup>+16</sup>, DAIS10, FFT<sup>+18</sup>, GA10, KKKY10, KTIT22, MMIB10, PMM<sup>+23</sup>, RDP<sup>+21</sup>]. **Board** [Ano17e, Ano17f, Ano17g, Ano17h, Ano63a, Ano64b, Ano73c, Ano76a, Ano79a, Ano80b, Ano81a, Ano82b, Ano83a, Ano84a, Ano85d, Ano85e, Ano86b, Ano86c, Ano87b, Ano87c, Ano88a, Ano88b, Ano89b, Ano89c, Ano90a, Ano90b, Ano91a, Ano91b, Ano91c, Ano92b, Ano92c, Ano93a, Ano93b, Ano94a, Ano94b, Ano95a, Ano95b, Ano96a, Ano96b, Ano97a, Ano97b, Ano07a, Ano07b, Ano07c, Ano07d, Ano07e, Ano07f, Ano07g, Ano07h, Ano07i, Ano07j, Ano08a, Ano08b, Ano08c, Ano08d, Ano08e, Ano08f, Ano08g, Ano08h, Ano08i, Ano08j, Ano08k, Ano08l, Ano08m, Ano09a, Ano09b, Ano09c, Ano09d, Ano09e, Ano09f, Ano09g, Ano10c, Ano10d, Ano10e, Ano10f, Ano10g, Ano10h, Ano10i, Ano11a, Ano11b, Ano11c, Ano11d, Ano11e, Ano11f, Ano12a, Ano12b, Ano12c, Ano12d]. **Board** [Ano12e, Ano12f, Ano12g, Ano12h, Ano12i, Ano12j, Ano13a, Ano13b, Ano13c, Ano13d, Ano13e, Ano13f, Ano17i, Ano17j, Ano17k, Ano18b, Ano18c, Ano18d, Ano18e, Ano18f, Ano18g, Ano18h, Ano18i, Ano19b, Ano19c, Ano19d, Ano19e, Ano19f, Ano19g, Ano19h, Ano19i, Ano20c, Ano20d, Ano20e, Ano20f, Ano20g, Ano20h, Ano20i, Ano20j, Ano20k, Ano20l, Ano21d, Ano21e, Ano21f, Ano21g, Ano21h, Ano21i, Ano21j, Ano21k, Ano21l, Ano21m, Ano22d, Ano22e, Ano22f, Ano22g, Ano22h, Ano22i, Ano22j, Ano22k, Ano22l, Ano22m, Ano22n, Ano22o, Ano22p, Ano22q, Ano22r, Ano22s, Ano22t, Ano23d, Ano23e, Ano23f, Ano23g, Ano23h, Ano23i, Ano23j, Ano23k, Ano23l, Ano23m, Ano24a, Ano24b, Ano24c].  
**bodies** [IST<sup>+88</sup>]. **Body** [RSW<sup>+23</sup>, BFV<sup>+17</sup>, GDL<sup>+15</sup>, HSG<sup>+15</sup>, HBG<sup>+21</sup>,

IAFD02, MMPG07, SE92, VDB<sup>+20</sup>, YKNO23]. **BOFS** [STB<sup>+92</sup>]. **Bohai** [LSXT01, LW13, SW12, YSY<sup>+19</sup>]. **bomb** [KMWF11]. **bomb-produced** [KMWF11]. **Bonelliida** [GS19]. **Bongo** [JF13]. **Book** [Ang79a, Ang80, Ang88, Bak83, Hof81, SW81]. **bord** [Ber65c]. **Borderland** [Gor92]. **boreal** [LNB13, PTP<sup>+22</sup>]. **Boreogadus** [BF11, KSG<sup>+17</sup>, VMH<sup>+21</sup>]. **bores** [HNSP<sup>+19</sup>]. **boring** [RVC<sup>+13</sup>]. **borne** [SGR<sup>+22</sup>]. **Bornholm** [BLC23, SPB<sup>+12</sup>]. **both** [Kit03, WWL<sup>+22</sup>]. **bottlenose** [LPF<sup>+18</sup>]. **bottles** [MK86]. **Bottom** [DJW<sup>+18</sup>, dCFK17, HS22, MLPN06, OYKK<sup>+23</sup>, OJB99, PSA<sup>+19</sup>, SPN98, SIB<sup>+06</sup>, YFY<sup>+22</sup>, Zen08, AH10, AR18, AF10, ASB<sup>+08</sup>, BVJE19, BSF95, CML<sup>+16</sup>, CB06, CHB02, ESTM<sup>+12</sup>, ESTM13, FZY<sup>+23</sup>, FC07, FFA06, FWL<sup>+15</sup>, Gam14, Hop64, HWB<sup>+18</sup>, HM06, KKS<sup>+19</sup>, LTG85, LL97, LYS<sup>+22</sup>, MPB<sup>+23</sup>, MM80, PPSV<sup>+18</sup>, PAB<sup>+21</sup>, PdMS<sup>+13</sup>, RGMPR23, RKK<sup>+21</sup>, VK90, VSC01, VOJD02b, VB14, XYK<sup>+22</sup>, XWL<sup>+22</sup>, YMK<sup>+04</sup>, ZCV<sup>+19</sup>, ZZWL06, dPCS23]. **bottom-** [XYK<sup>+22</sup>]. **bottom-ice** [CML<sup>+16</sup>]. **bottom-living** [MM80]. **Bottom-up** [HS22, MLPN06, PSA<sup>+19</sup>, SIB<sup>+06</sup>, YFY<sup>+22</sup>, AH10, AF10, ASB<sup>+08</sup>, BVJE19, ESTM<sup>+12</sup>, ESTM13, FFA06, HM06, MPB<sup>+23</sup>, PAB<sup>+21</sup>, RGMPR23, ZCV<sup>+19</sup>]. **bottoms** [QOS<sup>+22</sup>]. **boundaries** [Ban65, BW65, CMJPH<sup>+18</sup>, SCLS10, SJ02a, vdS94a]. **Boundary** [Ano09h, Car98, CM09, EBR<sup>+14</sup>, FBA09, FAB<sup>+09</sup>, GBC<sup>+16</sup>, SPN98, SÖÜ94b, WO85, BTG<sup>+03</sup>, BPM<sup>+14</sup>, CMHM18, CDP14, DSC<sup>+21</sup>, DL17, EBvdL<sup>+09</sup>, FBS22, HHMB<sup>+09</sup>, HBW17, HVEF09, Hut92, KKK04a, KHD22, LG22, LG23, McC92, MBP65, MAAS<sup>+00</sup>, MLK<sup>+09</sup>, MC15, Mit91, PP10, Rog00, Sel65, TWAL<sup>+11</sup>, TvW98, TvG02, TPRS10, VNMS91, VFS<sup>+15</sup>, VOJD02b, VB14, WZFW16, WWN<sup>+99</sup>, XY21]. **Bowhead** [DHD<sup>+23</sup>, GDL<sup>+15</sup>, CQO<sup>+15</sup>, CBB<sup>+15</sup>]. **box** [APHGC<sup>+22</sup>, JPBB20, KKK04a, LB20]. **box-corer** [LB20]. **brachiatus** [HE07]. **brackish** [PBD<sup>+88</sup>, Wen88]. **branch** [JC88, MR06, RKS<sup>+15</sup>]. **branches** [PLB<sup>+23</sup>]. **Branching** [KL86, Sek86]. **Branica** [SW81]. **Bransfield** [VKDS<sup>+18</sup>, VAGMDRS22]. **brash** [NST<sup>+23</sup>]. **brasiliensis** [DPGC14]. **Brazil** [AG22, BRB<sup>+01</sup>, BTS22, PG10, DSC<sup>+21</sup>, GRDS10, Has06, RPPM<sup>+23</sup>, WR00, dSPF<sup>+23</sup>]. **Brazilian** [dFKdLZTT17, BKB85, DPGC14]. **breadth** [LVGH<sup>+15</sup>]. **break** [CMC<sup>+16</sup>, DLD<sup>+19</sup>, LMM03, OC06]. **break-up** [DLD<sup>+19</sup>]. **breaking** [HLFL23, ITO<sup>+14</sup>, PVG<sup>+20</sup>, vHVAT22]. **breaks** [ZMW<sup>+23</sup>]. **breakup** [NNFL21]. **breakwater** [Iwa23]. **bred** [HKK12]. **breeders** [SM16]. **breeding** [DWNN04, FJH10]. **brevis** [BK19]. **bridged** [LLX<sup>+21</sup>]. **Bridging** [DP18, LMS10, MCG<sup>+14</sup>]. **Brief** [CBGC<sup>+08</sup>, Ano10a, Kaw98, SSM<sup>+90b</sup>]. **Britain** [HPHW21]. **British** [CMHM18, FDM<sup>+13</sup>, GKS<sup>+13</sup>, GDM<sup>+15</sup>, LMH<sup>+13</sup>, LC10, PMC16, RHBS13, STF<sup>+13</sup>, SL13, TSC03, CM14b, HHWW20, MB01]. **Brittany** [RSM<sup>+23</sup>]. **Broad** [GAS<sup>+22</sup>, MBH<sup>+23</sup>, BB14, CMF11, OOTA15]. **Broad-scale** [GAS<sup>+22</sup>, MBH<sup>+23</sup>]. **browser** [VR03]. **Bryozoa** [Gri22]. **bryozoan** [GHSC19]. **bryozoans** [Gri22]. **bubbles** [Bla63]. **budget** [BDTC15, CBC<sup>+06</sup>, FMP19, KVNT20, MMR<sup>+09</sup>, RSB<sup>+01</sup>, RKS<sup>+15</sup>, VK92].

**budgets**

[GSFP<sup>+09</sup>, JVJ<sup>+17</sup>, JWD<sup>+02</sup>, RDD<sup>+18</sup>, SGMP15, SCB<sup>+07</sup>, ZLR<sup>+07</sup>].

**Building** [AHC<sup>+13</sup>, CSH<sup>+23</sup>, Ber65a, TSL10]. **Bulk**

[ZZWL06, CDP14, GASV<sup>+09</sup>]. **Bullet** [KTIT22]. **bungii** [MFB<sup>+84</sup>, THP21].

**buoy** [CPB<sup>+15</sup>, UCB<sup>+18</sup>, WZC20]. **Buoyancy**

[SFMT12, PHFK14, SFMT14]. **Buoyancy-forced** [SFMT12]. **Buoyant**

[MSd<sup>+16</sup>, ILI<sup>+12</sup>]. **buoys** [Kvi69]. **burial** [EvdZSH02, HM98, vWHdS<sup>+98</sup>].

**Burst** [WLCG23]. **burying** [RHBS13]. **Bussol'** [YYT<sup>+14</sup>, TYO<sup>+14</sup>].

**bycatch** [RSK<sup>+23</sup>].

**C** [CGC<sup>+20</sup>, CRC<sup>+19</sup>, DVB<sup>+18</sup>, JJA<sup>+08</sup>, OMK<sup>+22</sup>, OE65, PHK<sup>+17</sup>,

PRL<sup>+18</sup>, SKH<sup>+23</sup>, SBK<sup>+95</sup>, STHM02, WRS<sup>+92</sup>]. **C.** [DK07, WSH15].

**cabbeling** [Har05a]. **Cabled** [VGJ<sup>+19</sup>, DOS<sup>+18</sup>]. **Cabliers** [CLG<sup>+22</sup>].

**Cabo** [CCRS20, VDGGD<sup>+22</sup>]. **Cadiz**

[SBPGP<sup>+23</sup>, GPE<sup>+17</sup>, LdCSB<sup>+20</sup>, SRM<sup>+10</sup>, LR07, RGPB<sup>+23</sup>]. **Cadmium**

[Sim81, FCG88]. **Caicos** [Ché14]. **Calanid** [MN88]. **Calanidae** [Mil88].

**calanoid** [AHSS22, BHS<sup>+15</sup>, CÁM06, IS19, MSMR93, Nie07, SSTD<sup>+95</sup>,

THBA19, WSH15, WGG<sup>+08</sup>]. **Calanoida**

[FMT15, GBG05, HLPL05, Mil88, NMN08, PMH17]. **Calanoides**

[AVK91, CÁM06, Ver91]. **Calanus**

[AEP<sup>+23</sup>, BMK12, BTNK13, BRH<sup>+05</sup>, BMG<sup>+21a</sup>, CÁM06, DWFP<sup>+19</sup>,

DBM17, GHF<sup>+21</sup>, GPC<sup>+03</sup>, HHY03, HMP<sup>+13</sup>, HRA<sup>+08</sup>, HBR11, HE07,

JAC<sup>+12</sup>, JC04, KHP<sup>+18</sup>, LBC<sup>+23</sup>, LPHL<sup>+05b</sup>, MMG<sup>+13</sup>, MAH<sup>+15</sup>,

MRH<sup>+14</sup>, NMN08, PD15, PHLL05, PLHLF05, SDH<sup>+14</sup>, SAB<sup>+21</sup>, SBE<sup>+20</sup>,

THP21, UB10, WPB<sup>+08</sup>, WBC<sup>+22</sup>, WSH15]. **calcareous** [Gal17].

**calcification** [KLIRK17, Kru19, ZCD08]. **calcified** [BHK<sup>+19</sup>]. **calcifiers**

[AOMZ<sup>+23</sup>]. **calcifying** [GBB<sup>+19</sup>]. **Calcium** [Wis65]. **CalCOFI** [Reb02].

**Calculating** [GGPG<sup>+19</sup>]. **Calculation** [YJW88, Kaw86, YJ88, ZPY<sup>+20</sup>].

**calculations** [Tur65]. **Caledonia** [CKL<sup>+14</sup>]. **calibrate**

[iIYO<sup>+10</sup>, ORVES17]. **calibration** [HM00b, SBH<sup>+14</sup>]. **California**

[ASC92, Ban65, BGM<sup>+10</sup>, DIM09, DLJ<sup>+21</sup>, Dur09, Epp92, FFA06, KMMC09,

KC15, LLS01, LABD<sup>+24</sup>, MPC<sup>+17</sup>, OBD<sup>+20</sup>, PBBH<sup>+22</sup>, PO15, RBE<sup>+12</sup>,

SRFHDH22, AAML22, AH10, AASJ23, ARG11, ABP15, BB14, BWB<sup>+09</sup>,

BL02, BM86, CCW<sup>+02</sup>, CPC<sup>+02</sup>, CB09, CCA<sup>+02</sup>, CCD<sup>+13</sup>, DFM<sup>+21</sup>,

DW02, DSBP15, DB02, ESTM<sup>+12</sup>, FELMGM<sup>+22</sup>, FSAO22, FWO15,

FRCH15, FMC<sup>+20</sup>, FWBC02, GFGGD<sup>+23</sup>, GMD<sup>+22</sup>, Gor92, HSMLDC<sup>+22</sup>,

Hau84, Hic79, HW02, hHRW<sup>+05</sup>, Huy83, HSF02, JE92, JSA<sup>+08</sup>, JOGM<sup>+10</sup>,

JC04, KHL12, KSD84, Kos02, KC02, LOG<sup>+09</sup>, LJPGC02, LO07, Lav09,

LAA12, LO21, LBP15, LCNAS<sup>+07</sup>, LCPSMR<sup>+10</sup>, LABD<sup>+24</sup>, LB02, MS02,

MAB<sup>+11a</sup>, MAB<sup>+11b</sup>, MJC<sup>+17</sup>, MCT03, NFMCS<sup>+22</sup>, NMLBCM<sup>+01</sup>,

PELAA18, PK02, PBS22, REG<sup>+15</sup>, ROBRB<sup>+22</sup>, RMK<sup>+21</sup>, RB20, RFC<sup>+15</sup>,

RZTD17, RN02, SCHBC<sup>+22</sup>, San15, SGMVF14, SSS<sup>+11</sup>]. **California**

[SFS<sup>+12</sup>, SLBVR<sup>+22</sup>, SC23, SDK84, Sim84, SKHD84, SBM<sup>+23</sup>, SHT<sup>+01</sup>,

STGR<sup>+14</sup>, TBW09, VK92, Ven12, WFBN<sup>+13</sup>, WDMC02, WRS<sup>+92</sup>].

**californicus** [STS<sup>+</sup>12]. **call** [Jac10]. **Calvi** [GHL15]. **calycophoran** [LSIC12]. **Calypstogena** [AB90]. **camera** [TSAM<sup>+</sup>22]. **campaign** [JST<sup>+</sup>24]. **Can** [CRS04, LPHL<sup>+</sup>05a, Mau17, QSC<sup>+</sup>15, RCD<sup>+</sup>94, SvN04, TDL<sup>+</sup>17, HMX<sup>+</sup>23, RSG06, WFJ<sup>+</sup>15]. **Canada** [CMHM18, GDM<sup>+</sup>15, BBSN04, DLM91, EHG<sup>+</sup>12, FDM<sup>+</sup>13, GKS<sup>+</sup>13, HGD22, HKE<sup>+</sup>10, LC10, Man69, MPN09, PM13, RHBS13, STF<sup>+</sup>13, TSC03, VSGD21]. **Canadian** [DHD<sup>+</sup>23, CML<sup>+</sup>16, EHSI12, MIH06, WSL20, WTH12, YGMR<sup>+</sup>23]. **Canal** [Ore69]. **CANALES** [PLJR22]. **Canaria** [Ano09h]. **Canaries** [GMAMB04, RMHL09, RBHLA04]. **Canary** [BAM<sup>+</sup>09, GASV<sup>+</sup>09, AAM<sup>+</sup>14, ABÁS<sup>+</sup>09, AGL<sup>+</sup>15, BAT<sup>+</sup>98, BA04, BATNP04, BFR13, CLdPHL23, HLGA07, KZSH85, MHGP06, PVB23, SGWF<sup>+</sup>19, SFMA20, SHL13, SAd<sup>+</sup>17]. **Cantabrian** [CSV<sup>+</sup>07, CÁM06, RCSVGP<sup>+</sup>16]. **Canyon** [AHA<sup>+</sup>16, CLSD18, CMHM18, DJW<sup>+</sup>18, DOS<sup>+</sup>18, EvdZSH02, LPF<sup>+</sup>21, LPBM17, LRGV<sup>+</sup>18, AHD18, CHG<sup>+</sup>18, CFM<sup>+</sup>18, CJRÁ<sup>+</sup>13, CQZ<sup>+</sup>18, CHSB<sup>+</sup>21, CVHM<sup>+</sup>18, CRC<sup>+</sup>19, DCRR<sup>+</sup>22, DCL<sup>+</sup>13b, FVA<sup>+</sup>19, FBR<sup>+</sup>13, GCF<sup>+</sup>19, GBB<sup>+</sup>20, GIPG17, HDM19, IVR<sup>+</sup>13, JOBT05, KCL<sup>+</sup>12, KFC<sup>+</sup>13, LFCSV<sup>+</sup>13, MRH<sup>+</sup>18, PGLG<sup>+</sup>05, PRC<sup>+</sup>20, RCC<sup>+</sup>18, RCF<sup>+</sup>13, RCSVGP<sup>+</sup>16, SCB<sup>+</sup>09, ZFSV<sup>+</sup>09, ASFB<sup>+</sup>13, ACL<sup>+</sup>18, CFML22, EVM<sup>+</sup>15, JFEC13, KGdS<sup>+</sup>08, LPF<sup>+</sup>20, LFBP<sup>+</sup>13, PPSV<sup>+</sup>18, PPSVC<sup>+</sup>13, PGGG17, PRA<sup>+</sup>18, SCC<sup>+</sup>19]. **canyon-slope** [IVR<sup>+</sup>13]. **Canyons** [MRH<sup>+</sup>18, BFP<sup>+</sup>18, BRC<sup>+</sup>18, BD19, Bou65, CCM<sup>+</sup>13, CDL19, CLD22, CTR<sup>+</sup>19, DP18, DSC<sup>+</sup>19, DAU22, FBD18, GvOS<sup>+</sup>08, HSN<sup>+</sup>18, IHR18, KKS<sup>+</sup>18, PPdM<sup>+</sup>12, PCD<sup>+</sup>18, PGT<sup>+</sup>13, PCC<sup>+</sup>19, RVC<sup>+</sup>13, TCDPP<sup>+</sup>22, TCDPP<sup>+</sup>23, TAF<sup>+</sup>22, TPPG10, TTF<sup>+</sup>22, TCL<sup>+</sup>15, GCLD19]. **Cap** [DCRR<sup>+</sup>22, LRGV<sup>+</sup>18]. **capability** [Dah69, PRC<sup>+</sup>20]. **Capacity** [BK08, PS08]. **cape** [PK02, AAM<sup>+</sup>14, ABT<sup>+</sup>04, FRK<sup>+</sup>09, GL06, MB07, NIF<sup>+</sup>15, SVL<sup>+</sup>23, VFCC<sup>+</sup>22]. **capelin** [BSF<sup>+</sup>21, CGV13a, CGV13b, DM13, MMD<sup>+</sup>16, SEG22a]. **capture** [PTF12]. **captured** [HPW10]. **Capturing** [BTNK13, DLJ<sup>+</sup>21, MVV<sup>+</sup>19]. **Carbon** [DCKB13, GDI<sup>+</sup>09, HOY<sup>+</sup>21b, KAAK<sup>+</sup>16, PPCWJ18, RN06, SHK<sup>+</sup>14, SLOP<sup>+</sup>22, SC65, VKGP<sup>+</sup>13, WMC<sup>+</sup>89, AOMZ<sup>+</sup>23, AYK<sup>+</sup>05, ABT<sup>+</sup>04, AGL<sup>+</sup>15, BEI<sup>+</sup>20, BSMC15, BK19, BS02, CWB<sup>+</sup>22, CBC<sup>+</sup>06, CJ92, CCW<sup>+</sup>18, DOS<sup>+</sup>18, DHDM22, DGH<sup>+</sup>20, DWC06, EvdZSH02, EMK<sup>+</sup>17, FZY<sup>+</sup>23, FTG<sup>+</sup>11, FWBC02, FLUC08, FAH<sup>+</sup>13, GCV<sup>+</sup>24, GCD<sup>+</sup>13, GSSWK20, HM98, HPS<sup>+</sup>01, HW02, HKGH<sup>+</sup>06, HPZC21, HMKF08, HAH<sup>+</sup>22, IVT<sup>+</sup>12, JCF<sup>+</sup>23, JJ08, JJA<sup>+</sup>08, KBHML17, KBF<sup>+</sup>08, Kli10, KSS<sup>+</sup>23, KFC<sup>+</sup>23, KSG<sup>+</sup>17, KGdS<sup>+</sup>08, KVNT20, LSV14, LRW<sup>+</sup>15, LBP<sup>+</sup>21, MHS<sup>+</sup>20a, MHS<sup>+</sup>20b, MPM<sup>+</sup>17, MRAP22, MMKS<sup>+</sup>21, MLHE23, MMG<sup>+</sup>11, MDC<sup>+</sup>07, MNFY21, OB98, PG13, PHK<sup>+</sup>17, PPSVC<sup>+</sup>13, PDD<sup>+</sup>22, RJO<sup>+</sup>19, RCS<sup>+</sup>11, RGE22, RSD<sup>+</sup>90, SLBR18, SFMA20, SHd13, SJA<sup>+</sup>23, SPG<sup>+</sup>06, SMP<sup>+</sup>22b, SW01, SE92, SIS<sup>+</sup>14, SDJ14, TvG02, TMKJ<sup>+</sup>09, TFM03, THM<sup>+</sup>06, TDK<sup>+</sup>16, VK92, WCC<sup>+</sup>20, WRH<sup>+</sup>06]. **carbon** [WXH07, XYGJ23, XCH<sup>+</sup>16, YHM<sup>+</sup>18, YSN20, ZCD08, ZMW<sup>+</sup>23, ZKK<sup>+</sup>16,

ZZWL06, dJSL+20, vWHdS+98]. **Carbon-14** [SC65]. **Carbonate** [PST+02, BRG+15, GLLB22, HHK+22, KMSTK23, MLB+20, Ola65a, RSB+01, RDC+21, Wis65, YGC+21, BHK+19]. **carbonic** [RAP95]. **carboxylating** [SPH83]. **carcasses** [YHRT22]. **Carcinus** [YFK21]. **Caretta** [MHR+10]. **Cariaco** [BPTT19]. **Caribbean** [CMJPH+18, MKMF+89, Nof00, PGG+22]. **carinatus** [AVK91, CAM06, Ver91]. **carnivorous** [GSC+20, MGS90, SE92]. **carpenteri** [RTN90, VBJ+20]. **Carrying** [BK08, PS08]. **carryover** [WBF+21]. **Cascades** [ISH+04, dZTG05, LPHL+05a, WDC+11]. **Cascadian** [GLV12]. **cascading** [PPdM+12, PdMS+13, RCC+18, SGL+17, TPPG10]. **cascading-dominated** [TPPG10]. **Case** [MZK+23, AHA+16, Ang80, ALT10, BCLD+17, CCRS20, CSC+12, ESTM13, GKC+14, HVS10, HPNDC15, HPW10, JBB+14, KV18, KFC+13, Kgds+08, KS15, LJM+16, LDD+22, LB20, MDGC+12, NHG19, NMC+09, PKA19, PPdS21, RZW+23, RSM+23, SHd13, TIOM16, Val99b, YFY+22]. **Cassidaigne** [FVA+19]. **Castle** [NW87]. **Catalan** [DDDT99, ACE+07, CGM+02, RAE+05, SCAA07, SVHM+13]. **Catalonia** [CMF+09]. **catch** [ARD+03, JOGM+10]. **catch-and-release** [JOGM+10]. **catches** [FELMGM+22, SNR+10]. **cause** [AAMB+24, CMF11, GJ00, SGLF+13, dSSDS+20, SA97, ZBY+22]. **caused** [GW89, PPSV+18, SMFM+21, TSP+13]. **Causes** [HMH07, BN03, Bea04, RTN90]. **cautionary** [Wai21]. **caves** [SCS87]. **CCCC** [BK08]. **cell** [AV23, BPA+21, GASV+09]. **cells** [WLL+23]. **cellular** [LCB18]. **cellular-** [LCB18]. **Celtic** [CHG+18, DGP+13, DJ92, EMBS13, ERT+22, FHP83, GWM+22, LTSG13, LDB+02, MZF+08, MEST13, MPD+22, PIS13, PM85, PL89, PDD+22, SMP+22a, VHV+12]. **census** [APC13, Ric93, RBZ00]. **centennial** [KYS+17]. **center** [MDL+12, SLG+12]. **Central** [CCA+02, HDM19, HLTB+17, LBSP01, PGC+96, Tom81a, VDDA+08, AMEV07, AMG+16, Ang79b, AT07, BB14, BD18, BM07, BCP09, CCW+02, CTF07, CGC+20, CPC+02, CBM+21, CFML22, CFG07, CF12, ES07, EHG+07, EM12, FC07, FP03, FGGDF+04, FWBC02, GMBU12, GSPP+20, GRS08, GEP+08, HSMLDC+22, HE07, HEF+12, HKY+11, HHP10, IAFD02, KFKO03, KWI20, KP03, KNS+03, KC02, LC12, LQU07, LDHW20, MERB12, MMES16, MMF+12, MWFH02, MGH+07, MTH+10, MHCR+12, MA12, MSL+07, OWR+07, OAWAN18, PCSMC12, PAM+88, PKF02, PCC+19, RM93, RFSCF19, RMG90, RBNJ+12, RBPGJ+20, RCSVGP+16, RN02, SLM+16, SFS+12, SDGVE17, SPB+12, SS03, SGO+08, SBD+07, SSL07, Soh03, SMPC+12, STGR+14, TFY02, TCF+18, VAEP24, gWjNfLyD20, WJPHB15, YNM+02, YCP+12, YFY+22, BM86, BASS+20]. **Central** [DLM+12, SCC+19]. **central-south** [SDGVE17]. **central-southern** [EHG+07, EM12, HE07, HEF+12, MERB12, MMF+12, MTH+10, MHCR+12, MA12, MSL+07, RFSCF19, RBNJ+12, SLM+16, SMPC+12, VAEP24]. **central/southern** [ES07, MMES16]. **Centropages** [ASC07, BLHB07, BHLU+07, CCG07, CH07b, CBHL07, DK07, GTB07,

HE07, IMHL07, MCD<sup>+07</sup>]. **Century** [ALV<sup>+21</sup>, BDLW14, DML<sup>+16</sup>, HMH07, LSW02, MWS<sup>+10</sup>, RD11, TLP<sup>+16</sup>, WBH15]. **Cephalaspidea** [CES<sup>+19</sup>]. **cephalopod** [KQP<sup>+17</sup>, OÁSG<sup>+16</sup>, RAG<sup>+19</sup>]. **certain** [BM76]. **Cetacean** [MWFH02, BCM<sup>+02</sup>, MCD<sup>+14</sup>]. **cetaceans** [BPF06, BGA<sup>+21</sup>, SRT<sup>+18</sup>]. **CFCs** [JJA<sup>+08</sup>, MBB<sup>+96</sup>]. **chaetognath** [FB05, MMN12]. **chaetognaths** [GSC<sup>+20</sup>]. **chain** [SOH21]. **chalcogramma** [MLPN06, YNM<sup>+02</sup>]. **chalcogrammus** [GTS<sup>+21</sup>]. **Challenges** [HHAR23, HAA<sup>+14</sup>, CCM<sup>+13</sup>, LCANAS<sup>+07</sup>, MPC12, RBD<sup>+07</sup>, VBL<sup>+21</sup>, WMB<sup>+18</sup>, Yas07a]. **chamber** [TDH<sup>+95</sup>, TSG<sup>+04</sup>]. **chambers** [TSG<sup>+04</sup>]. **Change** [BK08, HSG<sup>+15</sup>, WNNI21, AT07, ADV<sup>+18</sup>, BM01, BBR<sup>+01</sup>, BDE03, BHMS09, CDTM<sup>+21</sup>, CM11, CALS<sup>+23</sup>, CLMR23, Con87, DPCS87, Dri11, DBR20, FDH20, HRSM08, HGB<sup>+21</sup>, HSH<sup>+19</sup>, HWLT10, HSC<sup>+16</sup>, HS02, KKK04a, KA94, LAHI10, LHW<sup>+20</sup>, MPMFL<sup>+23</sup>, McI10, MNM06, MCB<sup>+10</sup>, NDEG22, NKK03, NPO<sup>+19</sup>, OVG16, ORPRGIS22, PYKF15, PG10, Reb02, RK03a, RAB<sup>+11</sup>, SRFHDH22, SYB<sup>+15</sup>, SAY<sup>+16</sup>, SON<sup>+20</sup>, SHF01, SBM<sup>+23</sup>, ŠGM<sup>+18</sup>, SCS87, SHT<sup>+01</sup>, STGR<sup>+14</sup>, VMV<sup>+23</sup>, WFD<sup>+07</sup>, Was11, WHBW03, WBD<sup>+15</sup>, WJPHB15, dlHRA<sup>+18</sup>]. **changed** [LBH<sup>+21</sup>]. **Changes** [ABSDC07, BCM<sup>+02</sup>, CMJPH<sup>+18</sup>, CCA<sup>+02</sup>, HPHW21, JLRB20, KKB00, KF11, LF12, LSW02, MWS<sup>+10</sup>, PBB<sup>+20</sup>, PO15, RBE<sup>+12</sup>, TWMY08, Ven12, WHK23, AMFY20, ABE<sup>+15</sup>, AAMB<sup>+24</sup>, AVG<sup>+19</sup>, BAM<sup>+09</sup>, BDLW14, BMG<sup>+21a</sup>, Bro82, CGV13a, CJMO87, CGM<sup>+02</sup>, CMF<sup>+09</sup>, CGC<sup>+20</sup>, CBOP15, CBM<sup>+21</sup>, CS04, DMD<sup>+00</sup>, DTOD00, DDD<sup>+00</sup>, DMT15, DBC<sup>+18</sup>, DLM<sup>+96</sup>, DYL<sup>+15</sup>, DMF<sup>+09</sup>, ERT<sup>+22</sup>, ESGP17, FGS<sup>+15</sup>, FC07, FHG03, FFS<sup>+20</sup>, FMSBW13, GSV<sup>+01</sup>, GMDD<sup>+22a</sup>, GMD<sup>+22</sup>, GGA<sup>+05</sup>, GW89, HVRR15, IVR<sup>+13</sup>, Iwa23, JTQ<sup>+18</sup>, JSdSS<sup>+21</sup>, JKBH87, KBE<sup>+22</sup>, KOhL<sup>+10</sup>, KRHS14, LRNK99, LDD<sup>+22</sup>, LXC<sup>+22</sup>, LWY07, LDMH09, MMG<sup>+13</sup>, MKB00, MMES16, Med87, MCGR07, MSGGM18, Min02, MIW91, Nag01, Ola65b, PVG<sup>+20</sup>, PRFC13, PBO10, Pir87, PVA24, PBN13, RMC<sup>+15</sup>, SMR<sup>+20</sup>, SPC<sup>+23</sup>, SKSK06, SC65, SJH<sup>+90</sup>, SMKK21, SKH00, TKW06, THP21, VDB<sup>+20</sup>, Whe93, WHBW03]. **changes** [Wil65, XYK<sup>+22</sup>, YNMY23, YNM<sup>+02</sup>, Yas07b, Yas07c, YFY05, ZWM<sup>+15</sup>, dLLdAWL<sup>+23</sup>]. **Changing** [LCPSMR<sup>+10</sup>, MGE<sup>+12</sup>, Tol85a, Tol85b, Yas07a, BRG<sup>+15</sup>, BHM<sup>+15</sup>, GCV<sup>+24</sup>, IGG<sup>+19</sup>, IPF23, JPIP22, JLS<sup>+22</sup>, KLIRK17, Kru19, LRW<sup>+15</sup>, LSH<sup>+11</sup>, LRJ<sup>+15</sup>, MTC14, MHH<sup>+15</sup>, NGPH10, TAM<sup>+15</sup>, Tur99, Val99a, Val99b, Ven12]. **Changjiang** [Ken88, ZLR<sup>+07</sup>, ZCH<sup>+17</sup>]. **Channel** [ALT10, CAH<sup>+22</sup>, FWO15, ILA21, SPSR<sup>+14</sup>, SRFHDH22, SC23, SAW<sup>+15</sup>, CFM<sup>+18</sup>, CTI<sup>+19</sup>, MKM86, MWO<sup>+12</sup>, ZWP23, AHW99, BTS<sup>+15a</sup>, BTS<sup>+15b</sup>, BLCL14, BHLU<sup>+07</sup>, GCD<sup>+18</sup>, GGA<sup>+16</sup>, GGG<sup>+18</sup>, GGSM<sup>+20</sup>, HØ07, KM10, LSD<sup>+15</sup>, MAH<sup>+15</sup>, OAB<sup>+16</sup>, PMS<sup>+15</sup>, RMC<sup>+15</sup>, SGA<sup>+19</sup>, STW<sup>+15</sup>, TAW<sup>+15</sup>, TB15]. **channels** [ABC<sup>+99</sup>, CCM<sup>+14</sup>, IPF23, PMA<sup>+14</sup>, PTPY<sup>+23</sup>, SPF<sup>+23</sup>, PLJR22]. **Chaos** [OAM00]. **chapters** [Ano10a]. **character** [TJ90]. **Characterisation** [JMG<sup>+13</sup>, ASR<sup>+20</sup>, CPHR98, CLG<sup>+22</sup>]. **characterises** [MB01]. **Characteristics** [AS88, BH07, LW85, LEDR<sup>+22</sup>, MNS<sup>+24</sup>, WGM<sup>+24</sup>,

ABC<sup>+99</sup>, CDB<sup>+22</sup>, CQO<sup>+15</sup>, GBB96, GBC<sup>+15</sup>, HFPS<sup>+06</sup>, Igu04, MLM09, Mol04, NHG19, NBR<sup>+08</sup>, NST<sup>+23</sup>, PTP<sup>+22</sup>, Par86, PO15, SWP<sup>+13a</sup>, SSTL16, SRG<sup>+19</sup>, STR01, WBB<sup>+01</sup>, YPM<sup>+10</sup>, ZKT88, ZSH<sup>+24</sup>, ZLX<sup>+20</sup>]. **Characterization** [AQVB<sup>+10</sup>, BZD<sup>+21</sup>, BSC<sup>+07</sup>, CFM<sup>+18</sup>, KTH<sup>+21</sup>, LKDL14, NIC<sup>+19</sup>, QLY<sup>+22</sup>, BGR<sup>+15</sup>, GMBU12, MCGS<sup>+16</sup>, YT06]. **characterize** [GNH19, LGL<sup>+18</sup>, MSMH19, PYKF15, SW22]. **Characterizing** [AH15, LLH<sup>+20</sup>, SJLW23, Fla02]. **charts** [PSK96]. **chaude** [Ber65b]. **Checklist** [OT19]. **Chemical** [BC91, BD85, CPHR98, Sim84, CPC<sup>+02</sup>, FW91, GTR01, Hey78, ILA21, IPHW<sup>+23</sup>, KSR<sup>+01</sup>, KKS<sup>+19</sup>, WNNI21, YT06]. **chemicals** [Bon88]. **chemistry** [BRG<sup>+15</sup>, BSW86, Bro82, GLLB22, Har82, MLB<sup>+20</sup>, PST<sup>+02</sup>]. **Chemolithoautotrophic** [PLN<sup>+23</sup>]. **chemosynthetic** [MSV<sup>+14</sup>, MCGS<sup>+16</sup>, ZHSM14]. **Chemotaxonomy** [LMT<sup>+19</sup>]. **Chemotaxonomy-based** [LMT<sup>+19</sup>]. **Chesapeake** [JX18, WCB20a, ZHF<sup>+24</sup>]. **Chile** [AMG<sup>+16</sup>, CRHM12, GGQ07, SPF<sup>+23</sup>, AMEV07, ACN01, BRR<sup>+22</sup>, BWB<sup>+09</sup>, BM07, CTF07, CGC<sup>+20</sup>, CPNL07, CFG07, CF12, DLM<sup>+12</sup>, ES07, EHG<sup>+07</sup>, EM12, EHFD12, FC07, FAAV<sup>+15</sup>, GMBU12, GKC<sup>+14</sup>, GMAB07, GDI<sup>+09</sup>, HE07, HEF<sup>+12</sup>, IVT<sup>+12</sup>, LC12, LQU07, MERB12, MMES16, MS02, MMF<sup>+12</sup>, MGH<sup>+07</sup>, MTH<sup>+10</sup>, MHCR<sup>+12</sup>, MA12, MSL<sup>+07</sup>, MDL<sup>+12</sup>, MCGS<sup>+16</sup>, OAWAN18, PCSMC12, PMMN<sup>+22</sup>, PAM<sup>+88</sup>, PTPY<sup>+23</sup>, PVA24, RFSCF19, RBL<sup>+19</sup>, RBNJ<sup>+12</sup>, RBPGJ<sup>+20</sup>, SLM<sup>+16</sup>, SLG<sup>+12</sup>, SDGVE17, SYB<sup>+15</sup>, SAY<sup>+16</sup>, SBD<sup>+07</sup>, SSL07, SMPC<sup>+12</sup>, SJM<sup>+19</sup>, VOG<sup>+08</sup>, VSGC21, VMV<sup>+23</sup>, VAEP24, YBS<sup>+01</sup>, YPGE<sup>+10</sup>, YCP<sup>+12</sup>, ZHSM14]. **Chilean** [BPSN<sup>+21</sup>, LSV14, MSV<sup>+14</sup>, SPSR<sup>+14</sup>, CCM<sup>+14</sup>, CTI<sup>+19</sup>, FCN<sup>+19</sup>, GCD<sup>+13</sup>, IPD14, JTD<sup>+14</sup>, LC12, MVBC<sup>+21</sup>, QOS<sup>+22</sup>, SV14, VLCCP14]. **chilensis** [HE07]. **chimney** [TJ90]. **China** [CGL<sup>+20</sup>, CWZ<sup>+20</sup>, CSW96, CLX<sup>+20</sup>, Cho86, DFC<sup>+21</sup>, DL17, DGH<sup>+20</sup>, DHL<sup>+21</sup>, FZ88, GCCY<sup>+14</sup>, GC14, HZD<sup>+23</sup>, HOY<sup>+21b</sup>, HPZC21, HSH97, HLSX22, HHZ<sup>+22</sup>, HWF<sup>+21</sup>, JZZY24, KHM<sup>+88</sup>, Li14, LYZ16, LGZ<sup>+20</sup>, LBH<sup>+21</sup>, LZL<sup>+22</sup>, LYS<sup>+22</sup>, LC16, LCJ<sup>+07</sup>, LLH<sup>+20</sup>, LGH<sup>+21</sup>, LGD<sup>+20</sup>, MXC<sup>+21</sup>, MLL<sup>+22</sup>, MY23, MZZ<sup>+23</sup>, MH14, MKS<sup>+22</sup>, NXY15, QLW10, QLY<sup>+22</sup>, RI86, RDC<sup>+21</sup>, SSTL16, SW12, TM13, WGZZ19, gWjNfLyD20, WST<sup>+21</sup>, WL16, WZC20, XWL<sup>+18</sup>, XLX<sup>+20</sup>, XHC<sup>+20</sup>, YKS<sup>+12</sup>, YMI88, YGC<sup>+21</sup>, Yao88, YJS86, YJ88, Yux88, ZLR<sup>+07</sup>, ZGZ19, ZZPL18, ZDG<sup>+21</sup>, ZMW<sup>+23</sup>, ZDM<sup>+20</sup>, ZSY<sup>+22</sup>, ZZWL06, ZSW<sup>+22</sup>, ITM86, LZCZ05, LW13, YSY<sup>+19</sup>, YHZ<sup>+22</sup>, ZKT88]. **Chinese** [SPWH21]. **Chinook** [BL02, CCS<sup>+21</sup>, DIQJ21]. **Chionoecetes** [MGKW19, RKCH15]. **chlorofluorocarbon** [OYKK<sup>+23</sup>]. **chlorofluorocarbons** [Sme93]. **chlorophorum** [RSM<sup>+23</sup>]. **Chlorophyll** [Epp92, PHKS17, ABS<sup>+20</sup>, BMK12, Ban96, BMGN15, BBL<sup>+18</sup>, BDLW14, CLY22, CRHM12, CW02, EALF08, EBR<sup>+14</sup>, FPIJ85, FYYC05, HSMLDC<sup>+22</sup>, HZCZ16, HZD<sup>+23</sup>, HJLLN07, ILA21, LHE<sup>+13</sup>, LFI<sup>+13</sup>, LW13, LHC<sup>+19</sup>, MHGGS19, MVC<sup>+11</sup>, MGH<sup>+07</sup>, NM17, PLHLF05, PHKS01, PVV23, RBR<sup>+23</sup>, SNR<sup>+10</sup>, SC23, SMGL01, STW<sup>+15</sup>, SLH<sup>+19</sup>, TBW09,

VDS<sup>+18</sup>, WM13, WDMC02, WQ08, XHW<sup>+20</sup>, XWW<sup>+21</sup>, YIY<sup>+04</sup>, YKS<sup>+12</sup>].  
**chlorophyll-a** [BMGN15, CLY22, CRHM12, EBR<sup>+14</sup>, HSMLDC<sup>+22</sup>, HJLLN07, LHE<sup>+13</sup>, LW13, LHC<sup>+19</sup>, MVC<sup>+11</sup>, MGH<sup>+07</sup>, NM17, PLHLF05, SNR<sup>+10</sup>, STW<sup>+15</sup>, SLH<sup>+19</sup>, WM13, YIY<sup>+04</sup>, YKS<sup>+12</sup>]. **choice** [VBL04].  
**chromatic** [ÁLC22]. **chromophoric** [CMPNC<sup>+22</sup>, GF19, HOY<sup>+21a</sup>, RFSCF19]. **Chronology** [CFC<sup>+18</sup>, SCMAR<sup>+99</sup>]. **chronometers** [Coo65]. **chub** [ABE<sup>+15</sup>, GiIKX22, TMÁGC<sup>+21</sup>, YKNO23]. **Chukchi** [CQO<sup>+15</sup>, CBB<sup>+15</sup>, OACA20, APC<sup>+21</sup>, BSC<sup>+19</sup>, BDG<sup>+17</sup>, CP17, CQC15, DWH<sup>+14</sup>, FJA<sup>+21</sup>, FMC15, GMR<sup>+23</sup>, GCFS06, HOY<sup>+21a</sup>, HKE<sup>+10</sup>, KPM<sup>+23</sup>, KFH<sup>+15</sup>, LCJ<sup>+17</sup>, LPS<sup>+19</sup>, LPBM17, LBC<sup>+15</sup>, LDHW20, MSC<sup>+15</sup>, OPL<sup>+21</sup>, PLB<sup>+23</sup>, PST<sup>+02</sup>, SYN<sup>+21</sup>, WMC<sup>+89</sup>, WD94].  
**Chukchi-East** [KPM<sup>+23</sup>]. **chum** [SKSK06, YWUK15]. **ciliate** [DRVMC<sup>+22</sup>, JYK<sup>+14</sup>, WWW<sup>+23</sup>]. **ciliates** [SPB93]. **Ciliophora** [WWW<sup>+23</sup>]. **CINCS** [GCZ<sup>+00</sup>, TP00]. **circuits** [BLP<sup>+20</sup>]. **Circulation** [CTL<sup>+04</sup>, CGZ<sup>+16</sup>, DIM09, DWC06, Fuk91, GCS91, Has06, Hic92, HHP06, Hut95, JS90, KJH<sup>+22</sup>, LP87, LPS<sup>+19</sup>, LPF<sup>+20</sup>, LWL87, Mit91, ON05, OJB99, ÖHÜ89, PMC21, RKS<sup>+15</sup>, TPM<sup>+16b</sup>, TPM<sup>+16a</sup>, WBB<sup>+01</sup>, ASFB<sup>+13</sup>, ABM<sup>+05</sup>, AGS10, Arb22, APHGC<sup>+22</sup>, ABC<sup>+99</sup>, ARG11, BAARB05, BLT<sup>+15</sup>, BBPHG<sup>+11</sup>, BLP<sup>+20</sup>, BMC05, BSÖ<sup>+94</sup>, BMG<sup>+21a</sup>, Bum73, CGL<sup>+20</sup>, CPG<sup>+18</sup>, CSW96, Ché14, CD07, CM18a, CCH<sup>+12</sup>, CGD<sup>+22</sup>, DML<sup>+16</sup>, DWH<sup>+14</sup>, Dea85, DGMM85, DSC<sup>+21</sup>, EMU21, FWO15, FMP19, GWB14, GSPP<sup>+20</sup>, GR85, GCZ<sup>+00</sup>, HMTL05, Ham90, Hau18, Hen85, HHDS02, HGTP<sup>+19</sup>, HT97, HWB<sup>+18</sup>, KK20, KRL08, Kes06, KA85, LBC<sup>+23</sup>, LW85, LC16, LPW<sup>+23</sup>, LGH<sup>+21</sup>, LO85, Mac98, MMR<sup>+09</sup>, MRRC73, MRMD<sup>+97</sup>, MEMP15, MFS<sup>+16a</sup>, MFS<sup>+16b</sup>, MBKS08, MLS<sup>+15</sup>, MB07, MJC<sup>+17</sup>, MEMC05, MW96, NDEG22, NTU<sup>+14</sup>, NGLSSG14, Nof00].  
**circulation** [ORCH<sup>+19</sup>, OAB<sup>+16</sup>, OPL<sup>+21</sup>, Owe91, PGLG<sup>+05</sup>, PS91, PSK96, PTG95, PLJR22, PP85, PGC<sup>+96</sup>, PFE10, Rea00, RBS<sup>+20</sup>, RBS<sup>+22</sup>, Rei86, Rei89, Rei94, Rei97, Rei03, RCB<sup>+20</sup>, Ric08, RM89, Roo82, Rud15, SCPN15, STPHM<sup>+23</sup>, STEB16, SOB<sup>+08</sup>, SFMT12, SFMT14, SM01, SDS02, SDS22a, Sek86, Sek99, SZG06, SC23, SBLA10, SSM<sup>+18</sup>, SON<sup>+20</sup>, Sme93, Ste91, SJ02c, SJ02b, SJM<sup>+19</sup>, Suk88, SMP07, SCB<sup>+16</sup>, Tal08, TRY<sup>+04</sup>, TBK<sup>+99</sup>, TAO05, Tsu86, TAH<sup>+11</sup>, VNMS91, VAGMDRS22, WLD<sup>+15</sup>, WSL20, Wen88, WSO01, WBH15, WTH12, WG82, XWL<sup>+22</sup>, XDG<sup>+23</sup>, YGC<sup>+21</sup>, YJS86, ZSW<sup>+22</sup>, ZBLF23, MSJ<sup>+15</sup>]. **circulation-ice** [WSL20].  
**circulations** [HNR<sup>+17</sup>, IHT<sup>+21</sup>, MMF<sup>+07</sup>]. **Circum** [BF11]. **Circum-arctic** [BF11]. **circumglobal** [GBG05]. **Circumpolar** [BH85, CPO<sup>+19</sup>, CdD<sup>+15</sup>, CP07, OYKK<sup>+23</sup>, TFZS14]. **CITHER** [GA00]. **City** [Let87]. **cladocerans** [KOT<sup>+21</sup>]. **clam** [YAK13]. **Clarion** [SLBH<sup>+19</sup>, SLPA<sup>+20</sup>, JSLA<sup>+21</sup>, RMG90]. **Clarion-Clipperton** [RMG90]. **clarity** [RKK<sup>+21</sup>]. **class** [DFH<sup>+16</sup>, DHB<sup>+21</sup>, SAB<sup>+22</sup>, YFK21]. **classes** [CPPPEAG22, LBH<sup>+21</sup>, LLX<sup>+21</sup>, Peñ03b, PS98]. **classical** [vRGW10].  
**Classification**



[WR00, CTP<sup>+18</sup>, DHB<sup>+21</sup>, LC10, MMF<sup>+17</sup>, MBH<sup>+23</sup>, WWW<sup>+23</sup>]. **Claus** [GBG05]. **Clausocalanus** [PMH17]. **Clay** [ORR<sup>+02</sup>, Tur65]. **Climate** [APC<sup>+12</sup>, BK08, BGL<sup>+17</sup>, CBC<sup>+06</sup>, CP02, DA<sub>v</sub>D<sup>+20</sup>, DAIS10, Dur09, FHG03, GML<sup>+23</sup>, HS02, LPF23, LS15, MLL<sup>+22</sup>, MHTG10, MCB<sup>+10</sup>, OÁT<sup>+05</sup>, PL01, PCH08a, RB20, SHT<sup>+01</sup>, YBS<sup>+01</sup>, ZK06, BM01, BMG13, Bre82, BDC<sup>+08</sup>, CDTM<sup>+21</sup>, Cai95, CALS<sup>+23</sup>, CAT<sup>+08</sup>, CB17, DL69, Don94, DMF<sup>+09</sup>, Dri11, DP13, DAKV99, FFA06, FPS<sup>+13</sup>, HMRA<sup>+03</sup>, HMWM00, Has82, HRSM08, HGB<sup>+21</sup>, HHW01, HHW22, HWLT10, HSC<sup>+16</sup>, HTV<sup>+20</sup>, HMH<sup>+15</sup>, INI<sup>+17</sup>, IIM<sup>+23</sup>, IIS<sup>+17</sup>, JTQ<sup>+18</sup>, JSA<sup>+08</sup>, KKB00, KC15, KA94, KYS<sup>+17</sup>, LAHI10, LMH<sup>+13</sup>, LNB13, LM14, LCPSMR<sup>+10</sup>, LS13, MPMFL<sup>+23</sup>, MDAW<sup>+19</sup>, MKB00, McI10, MBH<sup>+01</sup>, McK08, MNM06, MS00, MVV<sup>+19</sup>, MST<sup>+23b</sup>, NDEG22, NPO<sup>+19</sup>, NGPH10, NSE<sup>+24</sup>, ORPRGIS22, OWH14, OIC<sup>+23</sup>, PRTC13, PDAM<sup>+15</sup>, PCR<sup>+22</sup>, QLW10, RFFL21, RK03a, RAB<sup>+11</sup>, RKC<sup>+10</sup>, SLM<sup>+16</sup>, SJA<sup>+23</sup>, SBL<sup>+23</sup>, SSVPO0, SMG02, SKSK06, SRFHDH22]. **climate** [Sha82, STJ<sup>+14</sup>, SYB<sup>+15</sup>, SAY<sup>+16</sup>, SDH<sup>+14</sup>, SON<sup>+20</sup>, SHF01, SBM<sup>+23</sup>, SAB<sup>+22</sup>, SKH00, SKT01, STGR<sup>+14</sup>, TKW06, TLH<sup>+15</sup>, TLP<sup>+16</sup>, TAO05, TSH<sup>+17</sup>, TSJC07, THM<sup>+14</sup>, VMV<sup>+23</sup>, WAH<sup>+20</sup>, Was11, WJPHB15, WWSJ07, dIHRA<sup>+18</sup>, LM10]. **Climate-driven** [RB20, OIC<sup>+23</sup>, PRTC13]. **Climate-forcing** [ZK06]. **Climate-induced** [GML<sup>+23</sup>, MLL<sup>+22</sup>]. **Climate-related** [CP02, PCH08a]. **climates** [HMH<sup>+15</sup>]. **Climatic** [AVG<sup>+19</sup>, CD65, CM14b, FHG03, ZLKO00, BGM<sup>+99</sup>, CMF<sup>+09</sup>, CS03, Don65, Don87, Kaz17, Kra82, KRL<sup>+22</sup>, Med87, Ola65b, SNZ<sup>+20</sup>, SCHD23, WHI<sup>+02</sup>, XYL<sup>+22</sup>, YAK<sup>+08</sup>, dMGS<sup>+11b</sup>, dMGS<sup>+11a</sup>]. **Climatological** [Ola65a, SK18, CPG<sup>+18</sup>, KS06, Mor91]. **climatologically** [CGMP14]. **climatologically-based** [CGMP14]. **Climatology** [DHL<sup>+21</sup>, SPM<sup>+22</sup>, TWBC<sup>+13</sup>, Cai95, CMHM18, HM08, KC15, LOC95, MW96, RZTD17, SKH00, WC15]. **CLIOTOP** [LM10, Ano10b, LM10]. **Clipperton** [JSLA<sup>+21</sup>, SLBH<sup>+19</sup>, SLPA<sup>+20</sup>, RMG90]. **CLIVAR** [STPHM<sup>+23</sup>]. **Closing** [MHA<sup>+11</sup>]. **closure** [HMH<sup>+15</sup>]. **closures** [JOGM<sup>+10</sup>]. **cloud** [WM13]. **cloud-free** [WM13]. **Clumsy** [KN10, KN11]. **Clupea** [GBT<sup>+19</sup>, Nag01, STF<sup>+13</sup>]. **clupeoids** [EBvdL<sup>+09</sup>]. **CMIP6** [SKCP23]. **CO** [LGG18, RCGC<sup>+16</sup>, SPK<sup>+19</sup>, ZDG<sup>+21</sup>, BL02, HLR17, SOWS17, BK19, BF01, CKP<sup>+20</sup>, CPG<sup>+18</sup>, CKM<sup>+21</sup>, DCD<sup>+23</sup>, EFC<sup>+23</sup>, EHSI12, FGS<sup>+15</sup>, GDSCU09, GSF<sup>+15</sup>, GLLB22, LM00, LGZ<sup>+20</sup>, lLdZQ<sup>+22</sup>, MKOLA20, OYKK<sup>+23</sup>, OKdA<sup>+19</sup>, PPKR14, RVS<sup>+21</sup>, TŠT<sup>+17</sup>, TAM<sup>+15</sup>, WD94, WBA<sup>+22</sup>, WST<sup>+16</sup>, WR03]. **Co-Editors** [WR03]. **co-limitation** [HLR17]. **co-occurrence** [SOWS17]. **co-variability** [BL02]. **coalescence** [WF17]. **coast** [AYH<sup>+23</sup>, BFH01, BBSN04, BSC<sup>+07</sup>, BM86, Bum73, CJMO87, CBB<sup>+02</sup>, CdTH<sup>+16</sup>, CCHM02, CLB<sup>+14</sup>, Con87, CJG88, DLM91, Eme65, FB01, FGGDF<sup>+04</sup>, HHB<sup>+01</sup>, HFW<sup>+98</sup>, HFO90, JJA<sup>+13</sup>, JJA<sup>+17</sup>, JJS03, KKB00, KP03, KGJ<sup>+10</sup>, Lie88, LPARF<sup>+20</sup>, Mar20, MMMWZ23, Mid69, Mit91, MMPG07, NEI<sup>+22</sup>, OÁSG<sup>+16</sup>, PELAA18, PKF02, RBPGJ<sup>+20</sup>, RN02, SST<sup>+17</sup>, STR01, TTMM<sup>+17</sup>, VSGD21, WHT86, BASS<sup>+20</sup>, FZ88, WLM07].

**coast-fjord** [SST<sup>+</sup>17]. **Coastal**

[BLT<sup>+</sup>15, CWW15, FWO15, HMP<sup>+</sup>13, HFO<sup>+</sup>22, Huy83, JS87, KMMC09, KC15, KTW<sup>+</sup>22, Pai20, RMHL09, SBD<sup>+</sup>07, SP08, WF17, XLL<sup>+</sup>20, ZJZ<sup>+</sup>21, AJA<sup>+</sup>22, AR18, ASJ<sup>+</sup>23, ÁSFP<sup>+</sup>03, AAM<sup>+</sup>14, AMG<sup>+</sup>16, AJHC19, BTS<sup>+</sup>15b, BA04, BEP02, BMC17, BBPHG<sup>+</sup>11, BCM<sup>+</sup>02, BFJ18, BPGD<sup>+</sup>14, BPGC<sup>+</sup>20, BHLU<sup>+</sup>07, BMG<sup>+</sup>21b, Bri83, BLMR<sup>+</sup>20, BCG<sup>+</sup>08, CN22, CDH<sup>+</sup>13, CJMO87, CTF07, CSS<sup>+</sup>21, CAB<sup>+</sup>18, CC88, CLB<sup>+</sup>14, CCS<sup>+</sup>21, CGD<sup>+</sup>18, CNSHT15, CM14b, DLM<sup>+</sup>12, DNNNN16, DWC06, ESTM13, ES07, EHG<sup>+</sup>07, EM12, EHF12, EBS<sup>+</sup>18, EHSI12, FC07, FTSF21, FAAV<sup>+</sup>15, FELJ16, FTG<sup>+</sup>18, FLUC08, FAH<sup>+</sup>13, GMBU12, GCCY<sup>+</sup>14, GMAMB04, GSVB23, GASV<sup>+</sup>09, GCB<sup>+</sup>22, GLF<sup>+</sup>17, GEO09, HSS<sup>+</sup>12, HHDS02, HLGA07, HYM<sup>+</sup>12, HEF<sup>+</sup>12, HSF02, ILI<sup>+</sup>12, JTQ<sup>+</sup>18, JAS<sup>+</sup>20, JJA<sup>+</sup>17, JHW<sup>+</sup>14, KCPM09, KOHL<sup>+</sup>10, KLC<sup>+</sup>15, KRL<sup>+</sup>22, LOG<sup>+</sup>09, LDB<sup>+</sup>02, LDD<sup>+</sup>22, LSB<sup>+</sup>17]. **coastal** [LSD<sup>+</sup>18, LLGS21, MERB12, MCG<sup>+</sup>02, MBCB88, MDGC<sup>+</sup>12, MFDH22, MGC<sup>+</sup>18, Mit83, MMF<sup>+</sup>12, MKOLA20, MDC<sup>+</sup>07, MGH<sup>+</sup>07, MTH<sup>+</sup>10, MA12, NHS<sup>+</sup>14, NXT<sup>+</sup>17, NIF<sup>+</sup>15, O'B83, OAWAN18, OAD22, PAM<sup>+</sup>88, PK02, PD15, PAVB<sup>+</sup>21, RCGC<sup>+</sup>16, RNBP<sup>+</sup>19, RTBR<sup>+</sup>22, RF17, RÁSG<sup>+</sup>13, RR01, RGM01, SCHBC<sup>+</sup>22, SRF<sup>+</sup>19, SAY<sup>+</sup>16, SHF01, SMPC<sup>+</sup>12, SAd<sup>+</sup>17, SPV<sup>+</sup>15, SCB<sup>+</sup>16, SCS87, Tol85a, Tol85b, TMKJ<sup>+</sup>09, USH15b, VSGC21, VDS<sup>+</sup>18, VVV21, VSPP14, WM13, WD94, WWL<sup>+</sup>22, WZFW16, WFS<sup>+</sup>15, WH89, YNTS22, YSY<sup>+</sup>19, Yos80, ZD17, vFB82]. **coastal-offshore** [WH89]. **coastal-shelf** [YSY<sup>+</sup>19]. **coastal-to-open** [KRL<sup>+</sup>22]. **coastal-transition** [GASV<sup>+</sup>09]. **coastally** [HW02]. **coastlines** [CB17]. **coasts** [HAA<sup>+</sup>14, Man69]. **cobalt** [SWT<sup>+</sup>17]. **Coburg** [RZW<sup>+</sup>23]. **Coccolith** [PGRP<sup>+</sup>18]. **Coccolith-derived** [PGRP<sup>+</sup>18]. **Coccolithophore** [KLIRK17, PHCA17, BRG<sup>+</sup>15, GBB<sup>+</sup>19, HBV<sup>+</sup>10, ISM<sup>+</sup>02, LCGH07, LSW<sup>+</sup>21, OVG16, VHV<sup>+</sup>12, Kru19]. **coccolithophores** [MPD<sup>+</sup>22]. **coccolithophorid** [WPW<sup>+</sup>14]. **Coccoliths** [MBP65]. **Cod** [HMA18, AHP19, BF11, BGL<sup>+</sup>17, BHMS09, Dol09, FKH<sup>+</sup>13, HLP<sup>+</sup>16, HvDL<sup>+</sup>17, HCGK11, KSG<sup>+</sup>17, LHC<sup>+</sup>21, LNB13, MHTG10, RKC<sup>+</sup>10, SLY<sup>+</sup>15, Tit20, VMH<sup>+</sup>21]. **CODAR** [SCB<sup>+</sup>16]. **coexisting** [SM16]. **Coherence** [LO07, FBS22, HMS<sup>+</sup>22]. **Coherent** [AVS23, MMF<sup>+</sup>17, NO14, CDDF11, MBS20]. **Coho** [AHC<sup>+</sup>13, BL02, IOGS13]. **Cohort** [SBFP21]. **Cold** [CS18, GLV12, YMK<sup>+</sup>04, ALG<sup>+</sup>21, BBB<sup>+</sup>14, BLC23, CVHM<sup>+</sup>18, CLG<sup>+</sup>22, FVA<sup>+</sup>19, GTS<sup>+</sup>21, HGD22, HHB<sup>+</sup>00, HDB13, JFG<sup>+</sup>90, KiL14, LZF<sup>+</sup>24, LRGV<sup>+</sup>18, LWT<sup>+</sup>20, MCB<sup>+</sup>90, MSGGM18, MRW<sup>+</sup>14, MHCS<sup>+</sup>23, MSV<sup>+</sup>14, OSH<sup>+</sup>96, QYF<sup>+</sup>24, SOWS17, SDB<sup>+</sup>21, TAF<sup>+</sup>22, VGJ<sup>+</sup>19, YW22, vHMDL14, Cia22]. **cold-pool** [GTS<sup>+</sup>21]. **cold-spells** [SOWS17, SDB<sup>+</sup>21, YW22]. **cold-water** [ALG<sup>+</sup>21, CVHM<sup>+</sup>18, CLG<sup>+</sup>22, FVA<sup>+</sup>19, LRGV<sup>+</sup>18, MRW<sup>+</sup>14, MHCS<sup>+</sup>23, TAF<sup>+</sup>22, VGJ<sup>+</sup>19, vHMDL14]. **colder** [HMH07]. **collaboration** [KY15]. **collaborative** [BN03]. **collapse** [BHMS09, DTC<sup>+</sup>06, LNB13, SGLF<sup>+</sup>13]. **collected** [MM80, SKF20, UKK<sup>+</sup>19]. **collection** [CLdPHL23, MLL<sup>+</sup>15]. **collective** [YSD15]. **Collins** [Ang80]. **Collisions** [WF17]. **Cololabis**

[OOTA15, WCS<sup>+23</sup>, XYL<sup>+22</sup>]. **colonial** [SIB<sup>+06</sup>]. **colonization** [TAF<sup>+22</sup>]. **colonizing** [KSKN21]. **Color** [KKS<sup>+19</sup>, BPGD<sup>+14</sup>, McK15, WMB<sup>+18</sup>]. **colour** [BBE<sup>+15</sup>, HHMB<sup>+09</sup>, KPSB17]. **Columbia** [CMHM18, FDM<sup>+13</sup>, GKS<sup>+13</sup>, GDM<sup>+15</sup>, LC10, RHBS13, STF<sup>+13</sup>, TSC03, BJ90, CM14b, EKB06, Ham90, JS90, JGS90, JSHB90, LMH<sup>+13</sup>, MB01, PMC16, SJH<sup>+90</sup>, SC90, SSM90a, SSM<sup>+90b</sup>, SMM<sup>+90</sup>, SL13]. **column** [CWZ<sup>+20</sup>, FTSF21, FK86, Her88, HGH<sup>+19</sup>, JIL<sup>+19</sup>, LPA92, NMK<sup>+03</sup>, NKK03, PPCWJ18, SHP<sup>+23</sup>, SDGVE17, SSTL16, SMP<sup>+22b</sup>, SBD<sup>+07</sup>, SYN<sup>+21</sup>, TDL<sup>+17</sup>]. **Comau** [MSV<sup>+14</sup>, ZHSMM14]. **Combined** [STEB16, SLY<sup>+15</sup>, FVLC<sup>+23</sup>, LSV14]. **Combining** [CDP14, CRiI<sup>+15a</sup>, LGL<sup>+18</sup>, WFS<sup>+15</sup>, TM13]. **cometabolism** [Sie88]. **Commemorative** [BDB<sup>+22</sup>]. **comment** [Ano87d]. **Comments** [dZTG05, GBM<sup>+01</sup>]. **commercial** [SEG<sup>+22b</sup>]. **Common** [MS02, CCM<sup>+14</sup>, FDB<sup>+21</sup>, SGL<sup>+18</sup>, SYB<sup>+15</sup>, TTMM<sup>+17</sup>]. **commonalities** [LSS<sup>+09</sup>]. **commons** [LPP<sup>+18</sup>]. **Communities** [HKGH<sup>+06</sup>, ACE<sup>+07</sup>, AAM<sup>+14</sup>, AV23, Ang89, Ano94k, AUE<sup>+14</sup>, BRR<sup>+22</sup>, BAM<sup>+09</sup>, BJMP19, BJMP20, BLP93, CDS90, CWB<sup>+22</sup>, Car98, CQZ<sup>+18</sup>, CMHM18, CGS23, CGD<sup>+18</sup>, DAU22, DCRR<sup>+22</sup>, DHHP18, FBR<sup>+13</sup>, FSAO22, FPY<sup>+16</sup>, GdRGC<sup>+14</sup>, GAPM16, HM90, HCC02, IG19, JMSB<sup>+23</sup>, KM10, KZD<sup>+19</sup>, KGJ<sup>+10</sup>, LT06, LDB<sup>+02</sup>, Law04, LMH<sup>+13</sup>, LMT<sup>+19</sup>, LEDR<sup>+22</sup>, LBC<sup>+15</sup>, Lon85, MCGR07, MSMH19, MSV<sup>+14</sup>, NHH<sup>+23</sup>, Nie07, OSH<sup>+96</sup>, PELAA18, PLEF<sup>+23</sup>, QOS<sup>+22</sup>, RLP<sup>+18</sup>, RÁSG<sup>+13</sup>, SPSV<sup>+20</sup>, SH09, TCL20, VPM<sup>+19</sup>, VKDS<sup>+18</sup>, gWjNfLyD20, WWW<sup>+23</sup>, WHS<sup>+23</sup>, XLL<sup>+20</sup>, YNTS22, YGMR<sup>+23</sup>, ZPC<sup>+16</sup>]. **Community** [CML<sup>+16</sup>, CSV<sup>+07</sup>, CGS23, GPP22, INT14, JSHB90, Kos93, LdCSB<sup>+20</sup>, MMES16, TSFA22, VDGGD<sup>+22</sup>, AMFY20, AMG<sup>+16</sup>, Ang79b, Ang84, AJHC19, ABT<sup>+04</sup>, BKD<sup>+20</sup>, BFJ18, BWB<sup>+09</sup>, BAOM<sup>+12</sup>, BLES16, CRGA17, CLSD18, CC88, CS03, CBM<sup>+21</sup>, CKT<sup>+13</sup>, CLMR23, Dag93, DDK<sup>+18</sup>, DSR21, Dom84, DBR20, EHFD12, EHG<sup>+12</sup>, FARRL<sup>+13</sup>, FFS<sup>+20</sup>, FLdST98, FMH02, FPS<sup>+09</sup>, GSFP<sup>+09</sup>, GFGGD<sup>+23</sup>, GMDD<sup>+22b</sup>, GASV<sup>+09</sup>, GWM<sup>+22</sup>, GHVG19, GvOSW11, GGQ07, GVKD<sup>+13</sup>, HHB<sup>+01</sup>, HGBG20, HLD<sup>+21</sup>, hHRW<sup>+05</sup>, HG04, IBW<sup>+01</sup>, JTQ<sup>+18</sup>, JYK<sup>+14</sup>, JFG<sup>+90</sup>, KP03, KOhL<sup>+10</sup>, KRHS14, LGK<sup>+93</sup>, Law04, LdSH<sup>+15</sup>, LSD<sup>+15</sup>, MT99, MG02, MERB12, MCG<sup>+02</sup>, MTC14, MDR20, MTK<sup>+22</sup>, NHSP23, OPH<sup>+24</sup>, PGY<sup>+22</sup>, PCM11, PJH<sup>+15</sup>, PBS22, Pug84, QSC<sup>+15</sup>, RPG<sup>+18</sup>, RBNJ<sup>+12</sup>, RBPGJ<sup>+20</sup>, RBHLA04, RAB<sup>+84</sup>, Roe84a, Roe84b, RB84, RJT84, RF17, RLR<sup>+18</sup>, SSB19, SNZ<sup>+20</sup>, SBB<sup>+22</sup>, STW<sup>+15</sup>]. **community** [SWZS<sup>+21</sup>, SST<sup>+17</sup>, SPWH21, TAW<sup>+15</sup>, TKSIO8, TVT<sup>+23</sup>, TKW06, TPP<sup>+00</sup>, VGM<sup>+23</sup>, VHV<sup>+12</sup>, VMC<sup>+19</sup>, WFH<sup>+22</sup>, WLL<sup>+23</sup>, WMWR08, WHK23, XYK<sup>+22</sup>, XHW<sup>+20</sup>, YNMY23, YPVP<sup>+22</sup>, ZCV<sup>+19</sup>, ZLX<sup>+20</sup>, ZSBL00]. **Comparability** [LB20, BCF<sup>+03</sup>]. **Comparative** [Ano09h, BHLU<sup>+07</sup>, DM13, MLM09, MLHM09, THM<sup>+14</sup>, BHMS09, CRF<sup>+10</sup>, FBA09, GRDS10, HBL<sup>+13</sup>, Hey78, HSC<sup>+16</sup>, Mil88, PMMN<sup>+22</sup>, VPS09, VCM04]. **compare** [BBE<sup>+15</sup>, KHJ<sup>+10</sup>]. **compared** [FMH02, ROBRB<sup>+22</sup>]. **compares** [RN02].

**Comparing** [BE99, BAOM<sup>+12</sup>, GA00, JPM<sup>+08</sup>, LCBN14, MGE<sup>+12</sup>, MPN09, TTB<sup>+08a</sup>, WMWR08, WPA<sup>+24</sup>, WJPHB15]. **Comparison** [ABM<sup>+05</sup>, DCL<sup>+13a</sup>, DP13, FMC<sup>+20</sup>, HBV<sup>+99</sup>, JPBB20, SBLA10, WZBK<sup>+21</sup>, BMK12, BMO12, BWB<sup>+09</sup>, BF11, BMG<sup>+21a</sup>, CGV13a, CMM<sup>+04</sup>, CM09, CSK<sup>+12</sup>, CQC15, DHC<sup>+20</sup>, DDDT99, DAF<sup>+22a</sup>, DAF<sup>+22b</sup>, DMF<sup>+09</sup>, EBvdL<sup>+09</sup>, FPJ<sup>+15</sup>, GSFP<sup>+09</sup>, GRMB18, GA01, GDM<sup>+15</sup>, HMP<sup>+13</sup>, HW02, HKPV12, HKGH<sup>+06</sup>, hHRW<sup>+05</sup>, HVEF09, LDB<sup>+02</sup>, LSS<sup>+09</sup>, MB20, MDB<sup>+20</sup>, MHS<sup>+09</sup>, PL09, RK03a, RCS<sup>+11</sup>, SH09, SCB<sup>+16</sup>, WLM<sup>+22</sup>, YNTS22, ZSBL00]. **comparisons** [HRSM08, HHB<sup>+22</sup>, MPV12, TKK<sup>+05</sup>]. **compartment** [ESGP17]. **Compendium** [Ano10a, BPW10, PBOW10]. **Compensation** [BHK<sup>+19</sup>]. **compensatory** [RKS01]. **competition** [ÁLC22, CLB<sup>+13</sup>]. **competitors** [RSB<sup>+13</sup>]. **compiler** [Koc65b]. **Complex** [BAP<sup>+22</sup>, RA15, AGS10, BCB<sup>+05</sup>, SBLA10, TSL10, WSO<sup>+13</sup>, YGC<sup>+21</sup>]. **complexity** [Den03, HVS10, KKO10, MFS<sup>+16a</sup>, MFS<sup>+16b</sup>, MCH<sup>+12</sup>, RSG06]. **complicated** [Sie88]. **component** [Ang84, CDDF11, CP10, LLX<sup>+21</sup>, MKHO96]. **components** [FMC<sup>+15</sup>, HKGH<sup>+06</sup>, HvdLS<sup>+09</sup>, KKB00, MLD<sup>+03</sup>, McC92, MMF<sup>+12</sup>, ML09, MGH<sup>+07</sup>, SG91, Tal08]. **Composition** [GIPG17, JFG<sup>+90</sup>, PGT<sup>+13</sup>, ABSDC07, AJHC19, BS90, BHHR15, BJMP19, BJMP20, BAOM<sup>+12</sup>, BJ90, CSR90, CMF<sup>+09</sup>, CCW<sup>+18</sup>, DDE<sup>+95</sup>, DDP<sup>+00</sup>, DMD<sup>+00</sup>, DDD<sup>+00</sup>, DDCE<sup>+23</sup>, FMC<sup>+15</sup>, FMH02, FELJ16, FTHK19, GASV<sup>+09</sup>, GVKD<sup>+13</sup>, HCAFD<sup>+20</sup>, Hey78, HWL<sup>+20</sup>, HBH<sup>+17</sup>, HVEF09, IPHW<sup>+23</sup>, JLRB20, Kam19, KSR<sup>+01</sup>, KT04, KKS<sup>+19</sup>, Law04, LSB<sup>+17</sup>, LSD<sup>+18</sup>, LXC<sup>+22</sup>, LdSH<sup>+15</sup>, MG02, MCG<sup>+02</sup>, MFDH22, MWS<sup>+10</sup>, NKK<sup>+05</sup>, PVM<sup>+20</sup>, PPHM18, PGY<sup>+22</sup>, PD15, RCS<sup>+11</sup>, RCB<sup>+20</sup>, RBPGJ<sup>+20</sup>, RF17, SSB19, SM21, SBB<sup>+22</sup>, SPWH21, SHT<sup>+01</sup>, TVT<sup>+23</sup>, TWBC<sup>+13</sup>, TPM<sup>+00</sup>, VMC<sup>+19</sup>, WHK23, YMA<sup>+17</sup>]. **Compositional** [RBL<sup>+19</sup>, VCM04]. **compounds** [AB90, FK86, GLY23, LFBP<sup>+13</sup>, NEI<sup>+22</sup>, SGL<sup>+13</sup>]. **comprehensive** [BHH<sup>+16</sup>, CW06]. **compressibility** [Due77]. **computation** [MFM85]. **concentration** [ABS<sup>+20</sup>, BMC17, FRV<sup>+19</sup>, LTJ<sup>+15</sup>, MSC<sup>+15</sup>, MVC<sup>+11</sup>, NM17, SNR<sup>+10</sup>, UNN<sup>+14</sup>, VK90, WAH<sup>+20</sup>, Wil65, YIY<sup>+04</sup>]. **concentrations** [ABP15, Ban96, BK19, FGL<sup>+23</sup>, IHT<sup>+21</sup>, KTN14, LDD<sup>+22</sup>, PLHLF05, RNL<sup>+13</sup>, SM05, SKP99, TBW09, WM13, Whe93, WJE<sup>+92</sup>, YGMR<sup>+23</sup>]. **Concepción** [AMEV07, AMG<sup>+16</sup>, BM07, CPNL07, DLM<sup>+12</sup>, GGQ07, GMAB07, IVT<sup>+12</sup>, MDC<sup>+07</sup>, MGH<sup>+07</sup>, MA12, MSL<sup>+07</sup>, MDL<sup>+12</sup>, SLG<sup>+12</sup>]. **concept** [BRG<sup>+15</sup>, BMG13, CWW15, LRW<sup>+15</sup>]. **Conception** [CLMR23, DW02, FWO15]. **concepts** [CW06, PSK96, RCM<sup>+03</sup>]. **Conceptual** [TR99, HSN<sup>+18</sup>, WCB<sup>+20b</sup>]. **concerning** [WO85]. **Concholepas** [GKC<sup>+14</sup>]. **concluding** [Car97b]. **Conclusion** [Ano10a]. **Conclusions** [PBOW10, PAB<sup>+87b</sup>]. **Concomitant** [FFS<sup>+20</sup>]. **concurrent**

[KOhL<sup>+</sup>10, Min02, PVG<sup>+</sup>20]. **condition**  
 [BWMGCB08, BFV<sup>+</sup>17, CQC15, DMC<sup>+</sup>18, FMC<sup>+</sup>20, GCD<sup>+</sup>18, GDL<sup>+</sup>15, HSG<sup>+</sup>15, HBG<sup>+</sup>21, MLB<sup>+</sup>20, VDB<sup>+</sup>20]. **Conditions**  
 [EBS<sup>+</sup>18, ASJ<sup>+</sup>23, AMEV07, AAM<sup>+</sup>14, AKH<sup>+</sup>23, BP02, BH07, Ber65b, BL02, BASS<sup>+</sup>20, Cai95, CBB<sup>+</sup>02, CCS<sup>+</sup>21, CPNL07, CCM<sup>+</sup>14, DPB06, DWFP<sup>+</sup>19, DBC<sup>+</sup>23, DL17, DB02, EKB06, EMU<sup>+</sup>23, EHG<sup>+</sup>12, FSVL10, FDB<sup>+</sup>21, GCCY<sup>+</sup>14, GGQ07, HMP<sup>+</sup>13, Hey78, HFO<sup>+</sup>22, IPG<sup>+</sup>16, JST<sup>+</sup>24, KMU<sup>+</sup>12, KGJ<sup>+</sup>10, LBH<sup>+</sup>87, LBP15, LPF<sup>+</sup>18, LLAPG<sup>+</sup>22, LWBD<sup>+</sup>17, LGG18, MSd<sup>+</sup>16, MAFS<sup>+</sup>22, MMF<sup>+</sup>12, MGH<sup>+</sup>07, MKSW<sup>+</sup>15, NRS<sup>+</sup>19, Nag01, NRA<sup>+</sup>21, OMS<sup>+</sup>09, PGRP<sup>+</sup>18, RNBP<sup>+</sup>19, SF02, SS69, SGO<sup>+</sup>08, SCHD23, TTB<sup>+</sup>08a, THP21, VKDS<sup>+</sup>18, WHI<sup>+</sup>02, XRC<sup>+</sup>15, ZHBW01]. **conducted** [KDB95]. **conference** [MBH<sup>+</sup>01]. **Configuration** [WLM<sup>+</sup>22]. **configuring** [MCG<sup>+</sup>14]. **Confinement** [ZLG17b, ZLG17a]. **confirmed** [YLY<sup>+</sup>14]. **confluence** [RPPM<sup>+</sup>23, WR00]. **confocal** [PKA19]. **congeneric** [WSH15]. **connected** [FBS<sup>+</sup>18]. **Connecting** [Yu23]. **connection** [BPGC<sup>+</sup>20, GIC20, Kaz17, NRS<sup>+</sup>19, ŠVL<sup>+</sup>15]. **Connections** [XC14, Car98, TSS<sup>+</sup>12]. **Connectivity** [OACB<sup>+</sup>15, ALT10, CDTM<sup>+</sup>21, CZG<sup>+</sup>21, HLP<sup>+</sup>16, KAK<sup>+</sup>22b, LAHI10, RKCH15, SGMVF14]. **consensus** [BT07]. **Consequences** [LSH<sup>+</sup>11, Bea04, BMM01, CPC<sup>+</sup>02, JLP<sup>+</sup>20a, JLP<sup>+</sup>20b, KHD22, Leh01, RBF<sup>+</sup>09]. **conservation** [ALG<sup>+</sup>21, GKC<sup>+</sup>14, Kno04, LRGV<sup>+</sup>18, McD81a, SSS<sup>+</sup>11]. **conserved** [Nee85]. **conserving** [HAH<sup>+</sup>22]. **Considerations** [SJ18, DHB<sup>+</sup>21, dHA<sup>+</sup>04]. **considering** [CSC<sup>+</sup>12, His22, MRM<sup>+</sup>14, MCMT<sup>+</sup>17, XYL<sup>+</sup>22]. **consistency** [BCF<sup>+</sup>03, PGY<sup>+</sup>22]. **consistent** [HHWW20]. **consortia** [Sie88]. **constant** [Ång65]. **constituent** [AK97]. **constituents** [SBBV04]. **constraint** [Kiv97]. **constraints** [BCL<sup>+</sup>09, FKH<sup>+</sup>13]. **construction** [SLBR18]. **consumers** [WLP<sup>+</sup>21]. **Consumption** [SSM90a, LH89, Lon95, SRT<sup>+</sup>18]. **consumptions** [MRM<sup>+</sup>14]. **Contaminant** [ARDP14]. **contamination** [CGD<sup>+</sup>18, KFC<sup>+</sup>13]. **contemporary** [HKGH<sup>+</sup>06, Was06, Was15]. **Content** [Ano73b, CWB<sup>+</sup>22, CM14a, DMT15, FMC<sup>+</sup>20, Fra69, GvOS<sup>+</sup>08, GA10, HWPLvW20, KSG<sup>+</sup>17, OYKK<sup>+</sup>23, PPSVC<sup>+</sup>13, SRFHDH22, WLM07, Yas07a]. **Contents** [Ano64a, Ano65c, Ano65d, Ano69b, Ano85c, Ano86a, Ano87a, Ano89a, Ano92a, TRMV15]. **context** [BMN19, JFG<sup>+</sup>90, LFG10, VBL<sup>+</sup>21]. **contiguous** [CWW15, WKS<sup>+</sup>15]. **Continental** [BHE<sup>+</sup>98, BHPC06, BPP<sup>+</sup>98, CTKF<sup>+</sup>23, FLdST98, FKH<sup>+</sup>13, Gor92, HM98, KFM<sup>+</sup>17, LHEB98, MY23, OB98, PS98, SBPGP<sup>+</sup>23, TvW98, WAH<sup>+</sup>20, dWDB<sup>+</sup>98, vWhdS<sup>+</sup>98, ACK<sup>+</sup>13, ASJ<sup>+</sup>23, BHA<sup>+</sup>14, Bum73, CB06, CSG<sup>+</sup>15, CS06, Coo65, CFG07, DWH<sup>+</sup>14, DMD<sup>+</sup>00, DTOD00, DKRL22, DGGdR02, DCRR<sup>+</sup>22, DCL<sup>+</sup>13b, FZY<sup>+</sup>23, FJA<sup>+</sup>21, FARRL<sup>+</sup>13, FMWW14, GRD<sup>+</sup>23, GGG<sup>+</sup>18, GEP<sup>+</sup>08, HHK<sup>+</sup>22, HVTV22, HWLT10, HHH<sup>+</sup>12, HG04, HAH<sup>+</sup>22, HWF<sup>+</sup>21, Hut81, Hut87, HHK<sup>+</sup>02, IG19, JW01a, JCIG18, KSVT00, KY23, Kit03, LM18, LLL<sup>+</sup>11, LCBN14, LDB<sup>+</sup>02, LSIB23, MH02, MZ14, ON05, ORW<sup>+</sup>01, PCD<sup>+</sup>18, PPHM18, RGMPR23, RGPB<sup>+</sup>23, RAE<sup>+</sup>05, SCMAR<sup>+</sup>99, Sel65, SH09, SGO<sup>+</sup>08, SBD<sup>+</sup>07, SSL07, Sol00, TCN20,

TCDDPP<sup>+22</sup>, TRLA<sup>+13</sup>, TvG02, TSRF14, TPP<sup>+00</sup>, TPM<sup>+00</sup>, VHV<sup>+12</sup>, WDMMK89, YMI88, YGC<sup>+21</sup>, YCP<sup>+12</sup>, ZCA21, dPCS23, vHVAT22].  
**continentales** [Ber65c]. **Continued** [AvD15, KFM<sup>+17</sup>]. **Continuous** [BGMP03, BDE03, HFK03, JJS03, RWJ<sup>+06</sup>, UCB<sup>+18</sup>, VBL<sup>+21</sup>, WH94].  
**continuously** [SMFM<sup>+21</sup>]. **continuum** [Coo69, LML<sup>+23</sup>, RBL<sup>+19</sup>].  
**contraction** [BCT<sup>+09</sup>]. **Contrasted** [ERT<sup>+22</sup>, VBAC<sup>+21</sup>, BFV<sup>+17</sup>, GGA<sup>+05</sup>]. **Contrasting** [CDTM<sup>+21</sup>, SWT<sup>+17</sup>, TOKLC08, WCS<sup>+23</sup>, AGD<sup>+18</sup>, AKH<sup>+23</sup>, DAF<sup>+22a</sup>, DAF<sup>+22b</sup>, DL17, EMU<sup>+23</sup>, FPY<sup>+16</sup>, GvOS<sup>+08</sup>, GRdSS<sup>+22</sup>, HG04, KKNT23, LT06, LSM<sup>+22</sup>, LNB13, LdSH<sup>+15</sup>, MHCS<sup>+23</sup>, RNBP<sup>+19</sup>, SWP<sup>+13a</sup>, SH09, SCHD23]. **contrasts** [ST10, SQJ<sup>+17</sup>]. **contributes** [PMS<sup>+15</sup>]. **contributing** [SYN<sup>+21</sup>]. **Contribution** [GMAGH<sup>+17</sup>, GEO09, LSV14, MKS<sup>+22</sup>, AMEV07, AOMZ<sup>+23</sup>, BFH01, JJR<sup>+08</sup>, MMF<sup>+12</sup>, RKS<sup>+15</sup>, SMB88, WSC<sup>+21</sup>, Wüs64]. **contributions** [CPSM20, LNB13, SSB<sup>+20b</sup>, ZGZ19]. **control** [AHSS22, ACE<sup>+07</sup>, AUE<sup>+14</sup>, Dag93, FZY<sup>+23</sup>, GAF15, HS07, HLS<sup>+14a</sup>, HS02, HM06, KGdS<sup>+08</sup>, LLL<sup>+11</sup>, NGNV12, PPD<sup>+12</sup>, RGMPr23, WBC<sup>+22</sup>, YZX<sup>+23</sup>]. **Controlling** [MVN<sup>+15</sup>, CMC<sup>+16</sup>, CVBG21, HBV<sup>+99</sup>, HMKF08, LLGS21, SOS<sup>+07</sup>, SGS<sup>+23</sup>, VMC<sup>+19</sup>, XCH<sup>+16</sup>]. **Controls** [KSR<sup>+01</sup>, OMR<sup>+22</sup>, WAH<sup>+20</sup>, YSN20, BFV<sup>+17</sup>, CIL<sup>+23</sup>, CBPS<sup>+22</sup>, DWH<sup>+14</sup>, FBB<sup>+21</sup>, FRCH15, FPY<sup>+16</sup>, FDE<sup>+22</sup>, KDB95, LFBR<sup>+18</sup>, MLPN06, OPL<sup>+21</sup>, PAVB<sup>+21</sup>, Pow06, SR15, VPM<sup>+19</sup>, VCM04].  
**controversial** [Cia14]. **convection** [AJA<sup>+22</sup>, KFG<sup>+03</sup>, McD81a, McD81b, PPdM<sup>+12</sup>, Sch03, TDGY22, YN03b].  
**convective** [DLM<sup>+96</sup>]. **convergence** [RASVB<sup>+22</sup>]. **Converting** [FCEZ10].  
**CONVEX** [Rea00]. **CONVEX-91** [Rea00]. **conveyor** [HS07]. **conveys** [STJ<sup>+14</sup>]. **convolutional** [KM22]. **cool** [BMG<sup>+21a</sup>, FMM<sup>+20</sup>]. **Cooling** [RKS01, SDGVE17]. **Cooperative** [ALV<sup>+21</sup>]. **coordinated** [DLM<sup>+96</sup>, ÖHÜ89]. **Copepod** [BHC<sup>+18</sup>, GHVG19, HCC02, HVEF09, LPHL<sup>+05b</sup>, LPHL<sup>+05a</sup>, MTK<sup>+22</sup>, YHRT22, AVK91, BEP02, BMdMS<sup>+21</sup>, BD20, BAOM<sup>+12</sup>, BMG<sup>+19</sup>, CCG07, Dag93, DWFP<sup>+19</sup>, DLJ<sup>+21</sup>, EHFD12, FELJ16, FCEZ10, Fro05, FB05, GBG05, GHC<sup>+17</sup>, GD91, HTG15, Joh04, MDGC<sup>+12</sup>, MTH<sup>+10</sup>, NGPH10, NGNV12, PD15, Reb02, SSTD<sup>+95</sup>, STS<sup>+12</sup>, SJJ<sup>+03</sup>, SJD10, TKSIO8, UB10, WPB<sup>+08</sup>, WSH15, ZGB<sup>+20</sup>]. **Copepoda** [FMT15, GS19, GPP22, HLPL05, JC04, Mil88, NMN08, PMG15, PMH17].  
**copepodites** [NMN08]. **copepods** [BVJE19, BHS<sup>+15</sup>, CTF07, CÁM06, CSK<sup>+12</sup>, DLD<sup>+19</sup>, DAF<sup>+22a</sup>, DAF<sup>+22b</sup>, HHB<sup>+01</sup>, HE07, HEF<sup>+12</sup>, IS19, JAC<sup>+12</sup>, KKKS14, KVNT20, KSKN21, KHP<sup>+18</sup>, LBP15, MMG<sup>+13</sup>, MSMR93, MFB<sup>+84</sup>, MC88, Mil93a, Nie07, OPG<sup>+10</sup>, PK02, Roe84b, SMN<sup>+13</sup>, SS03, SSV<sup>+11</sup>, THBA19, VJJ<sup>+22</sup>, WGG<sup>+08</sup>, YHLA<sup>+04</sup>, dPGSHL23, MN88]. **Coral** [GCF<sup>+19</sup>, MP04, ALG<sup>+21</sup>, CPPPEAG22, CALS<sup>+23</sup>, CVHM<sup>+18</sup>, CLG<sup>+22</sup>, CKL<sup>+14</sup>, CDB<sup>+24</sup>, FVA<sup>+19</sup>, KAK<sup>+22b</sup>, LRGV<sup>+18</sup>, MRW<sup>+14</sup>, MHCS<sup>+23</sup>, NYL<sup>+17</sup>, PRA<sup>+18</sup>, TAF<sup>+22</sup>, TKC<sup>+22</sup>, VGJ<sup>+19</sup>, WFJ<sup>+15</sup>, YW22, RDG<sup>+21</sup>].

**corals** [GGSM<sup>+</sup>20, vHMDL14]. **core** [CS18, CQO<sup>+</sup>15, LJ65, LXC<sup>+</sup>22, NC80, Soh03]. **core-use** [CQO<sup>+</sup>15]. **corer** [JPBB20, LB20]. **cores** [AS20, CD65, FAAV<sup>+</sup>15, Ola65b]. **correlation** [Ber65c, KC15, Par65]. **correlations** [Con87, Emi65]. **Correspondence** [CCS<sup>+</sup>21]. **corridor** [LRJ<sup>+</sup>15]. **Corrigendum** [ÁBMÁS15, BLAM00, BJMP20, Fei04, FDH20, GFB<sup>+</sup>15b, JLP<sup>+</sup>20a, KN11, Kru19, KMF<sup>+</sup>20a, MHS<sup>+</sup>20a, MFS<sup>+</sup>16a, RBS<sup>+</sup>20, RLSF07, SE09, SHC<sup>+</sup>07, dMGS<sup>+</sup>11b]. **Corsica** [GHL15, BMC05, Con87]. **CoSiNE** [ZCH<sup>+</sup>17]. **Costa** [SDS<sup>+</sup>22b]. **Could** [DWFP<sup>+</sup>19, IFC<sup>+</sup>07]. **counter** [ÁSFP<sup>+</sup>03, BTNK13, HMX<sup>+</sup>23, MCT03]. **counterclockwise** [TOiF<sup>+</sup>12]. **counting** [CTP<sup>+</sup>18]. **Coupled** [DWH<sup>+</sup>14, HKK12, LC22, BBE<sup>+</sup>15, CGZ<sup>+</sup>16, GL23, HLK13, HMH07, MMGL<sup>+</sup>07, PMC16, Pie01, PST<sup>+</sup>15, RFC<sup>+</sup>15, SGWF<sup>+</sup>19, SNV<sup>+</sup>18, SDJ14, TS10, USH15b, VBM21, WSL20, WSS15, WWZ19, WWSJ07, YWUK15, ZCH<sup>+</sup>17]. **Coupling** [FELMGM<sup>+</sup>22, HHDS02, HE07, STM10, BD20, CW06, DTW<sup>+</sup>00, HJLLN07, KLC<sup>+</sup>15, LHC<sup>+</sup>19, PAM<sup>+</sup>88, SHC<sup>+</sup>06, SHC<sup>+</sup>07]. **covariance** [WBA<sup>+</sup>22]. **covariation** [MHS<sup>+</sup>09]. **Cove** [GBB96]. **Cover** [Ano17i, Ano17j, Ano17k, Ano17e, Ano17f, Ano17g, Ano17h, CDB<sup>+</sup>24, DWFP<sup>+</sup>19, FMCG15, GW89, LSH<sup>+</sup>11, ORR<sup>+</sup>02, RBR<sup>+</sup>23]. **CPR** [BCF<sup>+</sup>03, BBE<sup>+</sup>03, BIL03, CL03, VR03]. **CPUE** [LOBG<sup>+</sup>10]. **crab** [AHRT90, BL02, BMN19, MGKW19, RKCH15, YFK21]. **crabs** [ZK06]. **crack** [GMD<sup>+</sup>22]. **crawler** [CAO<sup>+</sup>20]. **created** [BEI<sup>+</sup>20, WPB05]. **Cretan** [GCZ<sup>+</sup>00, GSPMAI99, KSPK99, SKP99, TBK<sup>+</sup>99, BTK<sup>+</sup>99, CLG<sup>+</sup>00, CLA<sup>+</sup>00, DDDT99, DDP<sup>+</sup>00, DMD<sup>+</sup>00, DTOD00, DDD<sup>+</sup>00, DTW<sup>+</sup>00, GSPMAI99, KSVT00, KKS<sup>+</sup>18, KTB<sup>+</sup>99, PLP99, PTI00, SK21, SCT<sup>+</sup>00, TZP<sup>+</sup>00, TPM<sup>+</sup>00, TVD<sup>+</sup>99, VCB<sup>+</sup>00, VKT15, VOT<sup>+</sup>99, WYT00]. **Crete** [TPP<sup>+</sup>00]. **Creus** [LRGV<sup>+</sup>18, DCRR<sup>+</sup>22]. **cristatus** [MFB<sup>+</sup>84]. **criteria** [Ano94k]. **criterium** [DFD23]. **critical** [BM01, Kir06, Sim81, WBA<sup>+</sup>22, vRGW10]. **Cross** [AFH<sup>+</sup>11, CCD<sup>+</sup>13, HPZC21, LMM03, ZAC<sup>+</sup>23, BASS<sup>+</sup>20, KFC<sup>+</sup>23, LZG20, MHS<sup>+</sup>09, PMC21, RCSHW22, WC15]. **cross-ecosystem** [MHS<sup>+</sup>09]. **cross-frontal** [KFC<sup>+</sup>23]. **Cross-shelf** [HPZC21, ZAC<sup>+</sup>23, BASS<sup>+</sup>20, LZG20, PMC21, RCSHW22, WC15]. **Cross-shore** [CCD<sup>+</sup>13, LMM03]. **crucible** [SEO13]. **cruises** [AFH<sup>+</sup>11]. **Crustacea** [JZ19, SBS90, Thu90, Roe84a, ACK<sup>+</sup>13, BBFS19, BHK<sup>+</sup>19, CHSB<sup>+</sup>21, GPP22, JPB20, JLRB20, MB20, MKD90, PMG15, PKA19, RBPGJ<sup>+</sup>20]. **crustacean** [ACL<sup>+</sup>18, HWL<sup>+</sup>20, PCR<sup>+</sup>22]. **crustaceans** [ACB<sup>+</sup>13, CJRÁ<sup>+</sup>13, SLBVR<sup>+</sup>22]. **crystal** [IU14]. **crusts** [Gri22, VCM04]. **cryopelagic** [HKE<sup>+</sup>10]. **Cryptic** [GWGR<sup>+</sup>19]. **Cs** [AFH<sup>+</sup>11, IHT<sup>+</sup>21, KKS<sup>+</sup>03, PAF<sup>+</sup>11, SCMAR<sup>+</sup>99, SCLG<sup>+</sup>11, TAH<sup>+</sup>11]. **Csanady** [PCK<sup>+</sup>06]. **CSK** [ALV<sup>+</sup>21]. **CTD** [KSK21, KHM<sup>+</sup>88, PCBA<sup>+</sup>20]. **ctenophores** [RJT84]. **CTZ** [RBHLA04]. **culture** [PMMN<sup>+</sup>22]. **Cumulative** [BHK<sup>+</sup>16, TCS15]. **Current**

[AH10, AAM<sup>+14</sup>, ARG11, ABP<sup>+23</sup>, BBM<sup>+14</sup>, CCW<sup>+02</sup>, CBGC<sup>+08</sup>, CB09, CRT<sup>+22</sup>, CRHM12, CLdPHL23, DFM<sup>+21</sup>, DRD<sup>+07</sup>, DPF<sup>+20</sup>, EBR<sup>+14</sup>, FMC<sup>+20</sup>, GPAB<sup>+16</sup>, GDI<sup>+09</sup>, GBC<sup>+16</sup>, GCED22, Hau84, HLGA07, Hic79, HW02, HMS<sup>+22</sup>, Huy83, JBB<sup>+14</sup>, KSD84, KAK<sup>+22b</sup>, LO07, LQU07, LO21, LPF<sup>+18</sup>, LABD<sup>+24</sup>, LB02, MKM86, ML09, MAB<sup>+11a</sup>, MAB<sup>+11b</sup>, MFM15, PO15, REG<sup>+15</sup>, RMK<sup>+21</sup>, RD03, RZTD17, SFMA20, SDK84, Sim84, SKHD84, SP08, SBG<sup>+08</sup>, TTB<sup>+08a</sup>, TTB<sup>+08b</sup>, TBW09, TMÁGC<sup>+21</sup>, TSJ<sup>+12</sup>, XLL<sup>+20</sup>, ÁSFP<sup>+03</sup>, AASJ23, BPC<sup>+05</sup>, BPM<sup>+14</sup>, BC88, CP17, DDJ<sup>+21</sup>, FZ88, GDM<sup>+20</sup>, GGPG<sup>+19</sup>, Ike88, IHT<sup>+21</sup>, KMOM88, Ken88, LG22, Lie88, LGG18, LMM03, McC92, MS02, NNM<sup>+21</sup>, NH88b, NH88a, NPO<sup>+19</sup>, NC80, PSP<sup>+21</sup>, Sie69, SÖÜ94b, TWAL<sup>+11</sup>, TMH<sup>+16</sup>, TKW06, TKWI08, UCB<sup>+18</sup>, Web69, WWN<sup>+99</sup>, Yux88, Zen08, ASFB<sup>+13</sup>]. **Current** [ABE<sup>+15</sup>, AN04, AH80, Ant09, ABÁS<sup>+09</sup>, AE09, ABP15, BRB<sup>+01</sup>, BAT<sup>+98</sup>, BFR13, BDT<sup>+08</sup>, BB14, BL02, BLT<sup>+08</sup>, BH85, CCD<sup>+13</sup>, CdD<sup>+15</sup>, CF07, CP07, DSBP15, DLJ<sup>+21</sup>, ESTM<sup>+12</sup>, EB08, EBvdL<sup>+09</sup>, FRCH15, FFA06, FVLC<sup>+23</sup>, GW91, HvdLS<sup>+09</sup>, IMW<sup>+14</sup>, JTQ<sup>+18</sup>, JJR<sup>+08</sup>, JAJS08, Jón07, JJ08, KHL12, KL86, KAK<sup>+22b</sup>, LS20, LJPGC02, Lav09, LG23, LBP15, MPC<sup>+17</sup>, MJC<sup>+17</sup>, MCT03, MDR22, NJCD01, NBR<sup>+08</sup>, NHN<sup>+21</sup>, OBD<sup>+20</sup>, ORCH<sup>+19</sup>, Pai20, Par86, PBS22, RLL<sup>+09</sup>, RBPGJ<sup>+20</sup>, RFC<sup>+15</sup>, RBE<sup>+12</sup>, SGF<sup>+19</sup>, SGWF<sup>+19</sup>, SSS<sup>+11</sup>, SFS<sup>+12</sup>, SHL13, Sch83, SHD<sup>+21</sup>, Sek86, SBM<sup>+23</sup>, SKRM<sup>+95</sup>, SHT<sup>+01</sup>, STGR<sup>+14</sup>, TCN20, TWAL<sup>+11</sup>, TFZS14, Ven12, VAGMDRS22, WOW<sup>+14</sup>, WR00, YKWF21, YJ88, YYhT<sup>+17</sup>, ZLC<sup>+15</sup>, dSPF<sup>+23</sup>, YJW88]. **current-meter** [UCB<sup>+18</sup>]. **Current/Florida** [KAK<sup>+22b</sup>]. **Currents** [GSA<sup>+20</sup>, KZSH85, SBPGP<sup>+23</sup>, BBL<sup>+09</sup>, CTL<sup>+04</sup>, CP07, Dea85, DEW<sup>+97</sup>, FY88, FBS22, HBW17, Hut81, Hut87, Hut92, ICB<sup>+19</sup>, JJA<sup>+13</sup>, JSKM02, KAG<sup>+19</sup>, LG22, LG23, LGH<sup>+21</sup>, PL89, Pra97, RI86, Rog00, SVU02, STGR<sup>+23</sup>, TKC<sup>+22</sup>, WO85, WCS<sup>+23</sup>, XD95, YMI88, YSS14]. **curve** [McK08, Oll15]. **curves** [ED82, FGS<sup>+23</sup>]. **cut** [IST<sup>+88</sup>]. **CWC** [ALG<sup>+21</sup>]. **cyanobacterium** [LMT<sup>+19</sup>]. **cycle** [AYH<sup>+23</sup>, ADS<sup>+22</sup>, BNC05, BMM01, BDBJ01, BM07, CPG08, Car97a, CVBG21, CFG07, EALF08, Her97, HTdM<sup>+15</sup>, KYT<sup>+16</sup>, LB02, MLB<sup>+20</sup>, MST<sup>+23a</sup>, MW96, PRTC13, PST<sup>+15</sup>, RGC<sup>+01</sup>, RNBP<sup>+19</sup>, RG09, SVL<sup>+23</sup>, SSTD<sup>+95</sup>, TWMY08, TSFA22, VBA<sup>+18</sup>, WP91, WSO01, WCN<sup>+05</sup>, Yu23]. **cycles** [AH15, FRCH15, HE07, HTV<sup>+20</sup>, KRHS14, LK13, Lon95, MDC<sup>+07</sup>, RM93, SBD<sup>+07</sup>, TAO05, TDL<sup>+17</sup>]. **Cyclic** [DBC<sup>+23</sup>]. **cycling** [BSMC15, BHE<sup>+98</sup>, BGS<sup>+04</sup>, CBPS<sup>+22</sup>, DHDM22, FC07, HPC<sup>+20</sup>, MBP<sup>+11</sup>, MPM<sup>+17</sup>, MMF<sup>+12</sup>, OB98, PPCWJ18, RN06, SE16, SMP<sup>+22b</sup>, WMC<sup>+89</sup>, WD94, WH20, WRS<sup>+92</sup>]. **Cyclone** [PTZ<sup>+23</sup>, VVV21, BBB<sup>+21</sup>, KM22, LOO22, VBM21]. **cyclones** [LYM12, MMR<sup>+12</sup>, SCY<sup>+23</sup>]. **Cyclonic** [LKDL14, MD07, MZK<sup>+23</sup>, MSS<sup>+02</sup>, WOW<sup>+14</sup>, XHC<sup>+20</sup>]. **Cyclorhagida** [AM19]. **cygnus** [WOW<sup>+14</sup>]. **cyst** [BPTT19, SPF<sup>+23</sup>]. **cysts** [KPM<sup>+23</sup>, ZHBW01]. **cytometry** [LSM<sup>+22</sup>, LGL<sup>+18</sup>, SHS<sup>+05</sup>].



**D** [BHH<sup>+</sup>16, CNSHT15, MMR<sup>+</sup>09, SW01, Tho77, XRC<sup>+</sup>15]. **Dabob** [FB05, HL05, HPHL<sup>+</sup>05, PHLL05, PLHLF05]. **Daily** [PAM<sup>+</sup>88, CHC<sup>+</sup>12, WFS<sup>+</sup>15]. **Dall** [NHE<sup>+</sup>13]. **Dam** [Ore69]. **damming** [CMF11]. **Danois** [CSV<sup>+</sup>07]. **dans** [Ber65b, Rou65]. **dark** [BRD<sup>+</sup>15]. **Darwin** [BB65]. **Data** [dHA<sup>+</sup>04, ARD<sup>+</sup>03, ARH<sup>+</sup>00, ATC<sup>+</sup>19, AHC<sup>+</sup>13, ASR<sup>+</sup>20, BMGN15, BBE<sup>+</sup>03, BIL03, BBM<sup>+</sup>14, BDL08, BECA22, CFM<sup>+</sup>18, CL03, CLdPHL23, CGD<sup>+</sup>22, DTC<sup>+</sup>06, DHL<sup>+</sup>21, Egb97, EAB<sup>+</sup>23, FPJ<sup>+</sup>15, GCCY<sup>+</sup>14, GdRGL<sup>+</sup>01, GJ00, GA00, GAS<sup>+</sup>22, HMRA<sup>+</sup>03, HLS<sup>+</sup>14a, HHH<sup>+</sup>12, HM00b, KDL<sup>+</sup>01, Kiv97, KBSB18, LCBN14, LHE<sup>+</sup>13, LAGM<sup>+</sup>23, LB20, LHF<sup>+</sup>16, LM97, MDB<sup>+</sup>20, Man04, MB05, MAB<sup>+</sup>11c, MAB<sup>+</sup>11a, MAB<sup>+</sup>11b, MZGA<sup>+</sup>20, OMS<sup>+</sup>09, ORVES17, OIC<sup>+</sup>23, OÁT<sup>+</sup>05, PSP<sup>+</sup>21, PRC<sup>+</sup>20, PFW15, PHD<sup>+</sup>18, REG<sup>+</sup>15, RBS<sup>+</sup>20, RBS<sup>+</sup>22, RDL<sup>+</sup>91, Ric93, RWJ<sup>+</sup>06, RBS<sup>+</sup>09, SPC<sup>+</sup>23, SO91, SKCP23, TM13, TKWI08, TFZS14, TGR05, UPPS<sup>+</sup>21, VGJ<sup>+</sup>19, WM13, WCX<sup>+</sup>21, WSO01, WLM07, WLM<sup>+</sup>22, WFS<sup>+</sup>15, Woo18, WZC20, XLX<sup>+</sup>20]. **data-assimilative** [WLM<sup>+</sup>22]. **data-poor** [EAB<sup>+</sup>23, GAS<sup>+</sup>22]. **database** [VR03, dlHRA<sup>+</sup>18, SAA<sup>+</sup>15]. **dataset** [DHB<sup>+</sup>21, KS06, LGZ<sup>+</sup>20]. **datasets** [GCP08, PCBA<sup>+</sup>20]. **dated** [SCS87]. **dates** [ST65]. **dating** [Emi65, OE65, TAF<sup>+</sup>22]. **day** [Cai95, DJG<sup>+</sup>02]. **days** [HBD<sup>+</sup>18]. **dead** [WWL<sup>+</sup>22, WLL<sup>+</sup>23]. **Dealing** [LIH<sup>+</sup>12]. **Dease** [CML<sup>+</sup>16]. **Death** [GHVG19, Wal83, WKS<sup>+</sup>15]. **debris** [SGF<sup>+</sup>19]. **Decadal** [JG07, JCIG18, LAD<sup>+</sup>18, Lev88, LMC<sup>+</sup>20, SGWF<sup>+</sup>19, Wu13, CSS<sup>+</sup>21, DMT15, HDZY15, HHH<sup>+</sup>12, KLB<sup>+</sup>21, KKK<sup>+</sup>04b, LYM12, LDD<sup>+</sup>22, lLdZQ<sup>+</sup>22, MTC12, MCD<sup>+</sup>07, MHCS<sup>+</sup>23, Mol04, Mol22, NNM<sup>+</sup>21, OMS<sup>+</sup>15, QNK<sup>+</sup>22, SF15, SON<sup>+</sup>20, TSH<sup>+</sup>17, WHI<sup>+</sup>02]. **Decadal-scale** [SGWF<sup>+</sup>19]. **decade** [MWS<sup>+</sup>10, MMG<sup>+</sup>11, PHKS17, VLUC<sup>+</sup>07, WBD<sup>+</sup>15, dPAJ07]. **decades** [ABD<sup>+</sup>17, CBM<sup>+</sup>21, HBD<sup>+</sup>21, KOT<sup>+</sup>21, LWY07, LDMH09, McK15, MJC<sup>+</sup>17, PBB<sup>+</sup>20, PM13, RL23, SEG<sup>+</sup>22b, SEG22a, TKW06, VBL<sup>+</sup>21]. **decapod** [ACB<sup>+</sup>13, CSV<sup>+</sup>07, PPPdS20, PPdS21, Roe84a]. **Decapoda** [CHSB<sup>+</sup>21, ACK<sup>+</sup>13, Mar20]. **December** [Ano20s, Ano22-33, LM10, Ano98b, Ano99e, Ano03f, Ano04f, Ano07q, Ano11i, Ano12p, Ano16n, Ano17o, Ano19a, Ano21c, Ano22c, Ano23c]. **Deciphering** [RPRCAG<sup>+</sup>21]. **decision** [BMN19, JPM<sup>+</sup>08]. **Decline** [PBBH<sup>+</sup>22, BRG<sup>+</sup>23, Jac10, MPB<sup>+</sup>23, ONR<sup>+</sup>14]. **Declining** [RNL<sup>+</sup>13, WFR07]. **decompositions** [MNT14]. **Decrease** [PMS<sup>+</sup>15]. **decreases** [DLD15, VFS<sup>+</sup>15]. **dedicated** [BFPS06]. **Dedication** [vWWM02b]. **deduced** [Soh03]. **Deep** [BS95, CF20, FBD18, dCFK17, FJ19, GDN<sup>+</sup>18, GLAHH<sup>+</sup>22, Hen85, JFEC13, Mun69, RGI05, SKF20, Tit20, VBJ<sup>+</sup>20, WWSJ07, ZBLF23, vHCY<sup>+</sup>20, ACK<sup>+</sup>13, ACB<sup>+</sup>13, AS20, AP20, AS96, Ang89, Ano94k, AUE<sup>+</sup>14, BW65, BRC<sup>+</sup>18, BSF95, BS90, BMNW01, Bil01, BKC15, BHC<sup>+</sup>18, BAB<sup>+</sup>19, BBRM20, BGS<sup>+</sup>04, CDS90, CCM<sup>+</sup>13, Car98, CGM<sup>+</sup>02, CMM<sup>+</sup>04, CSV<sup>+</sup>07, CPG08, CMF<sup>+</sup>09, CMF11, CJRÁ<sup>+</sup>13, CAO<sup>+</sup>20, CMHM18, CP19, CFML22, CTR<sup>+</sup>19, DDE<sup>+</sup>95, DTOD00, DP18, DOS<sup>+</sup>18, DGMM85, DBJ<sup>+</sup>15, ECGP01, Eri65, FPD<sup>+</sup>01, FPIJ85, FARRL<sup>+</sup>13,

FBT<sup>+22</sup>, FSVL10, FWL<sup>+15</sup>, GBM<sup>+01</sup>, GM19, GvOSW11, GBB96, GD85, GJ00, GGA<sup>+16</sup>, GGSM<sup>+20</sup>, Gri22, GVKD<sup>+13</sup>, HM90, Hau18, HS22, HGTP<sup>+19</sup>, HLCdP19, HCV<sup>+20</sup>, HWBT03, HG04, HWB<sup>+18</sup>, JPB20, JM19, JP90, JSLA<sup>+21</sup>, KSK21, Koc65a, KFC<sup>+13</sup>, KM22, Kos93, LM18, LF12]. **deep** [LRNK99, LFI<sup>+13</sup>, LB20, LSIB23, MGF<sup>+13</sup>, MGS90, MKD90, MNT14, McC92, MD07, MM80, MMN12, MM90, MSFZ19, NMK<sup>+03</sup>, NKK03, Ola65b, OT19, ORMR<sup>+19</sup>, PPdM<sup>+12</sup>, PPHM18, PMFNGQ21, PVB23, Peñ24, PPdS21, PVA24, PB94, PdMS<sup>+13</sup>, RGC<sup>+01</sup>, RLDC<sup>+13</sup>, RCC<sup>+18</sup>, RM97, RSW<sup>+23</sup>, RKM<sup>+07</sup>, Rot65, RSD<sup>+90</sup>, SSB20a, San73, SCB<sup>+09</sup>, SSKA19, Sha82, SSTL16, She65, SFAD<sup>+90</sup>, SLGI<sup>+21</sup>, Soh03, Sok90, SV97, SCT<sup>+00</sup>, SM16, SBS90, Tal08, TRLA<sup>+13</sup>, TCS15, TTF<sup>+22</sup>, TVD<sup>+99</sup>, TCL<sup>+15</sup>, Tur65, UPPS<sup>+21</sup>, VKGP<sup>+13</sup>, WO85, WGCS13, Web69, WWN<sup>+99</sup>, WHBW03, Wüs64, XHW<sup>+20</sup>, YTL<sup>+19</sup>, Zez90, ZKT88, vPRT90, vdS94c]. **deep-Mediterranean** [CTR<sup>+19</sup>]. **deep-ocean** [HWB<sup>+18</sup>]. **deep-pelagic** [LSIB23, RSW<sup>+23</sup>]. **Deep-sea** [FBD18, FJ19, Mun69, SKF20, VBJ<sup>+20</sup>, ACB<sup>+13</sup>, AS20, AP20, AS96, Ano94k, BRC<sup>+18</sup>, BS90, Bil01, BAB<sup>+19</sup>, BBRM20, BGS<sup>+04</sup>, Car98, CGM<sup>+02</sup>, CMM<sup>+04</sup>, CPG08, CMF11, CJRÁ<sup>+13</sup>, CAO<sup>+20</sup>, CMHM18, CP19, CFML22, DTOD00, DOS<sup>+18</sup>, ECGP01, Eri65, FARRL<sup>+13</sup>, GM19, GvOSW11, GBB96, GD85, GVKD<sup>+13</sup>, HLCdP19, HCV<sup>+20</sup>, HWBT03, JM19, JP90, JSLA<sup>+21</sup>, Koc65a, KFC<sup>+13</sup>, Kos93, LB20, MGS90, MKD90, MM80, MMN12, MM90, MSFZ19, Ola65b, OT19, PPHM18, RGC<sup>+01</sup>, RCC<sup>+18</sup>, RSD<sup>+90</sup>, SSB20a, Sha82, Sok90, SM16, TCS15, TTF<sup>+22</sup>, Tur65, VKGP<sup>+13</sup>, Web69, WHBW03, Wüs64, YTL<sup>+19</sup>, Zez90, vPRT90]. **deep-slope** [CMF<sup>+09</sup>]. **Deep-water** [Tit20, BW65, CSV<sup>+07</sup>, Gri22, HG04, PPdS21, SCB<sup>+09</sup>]. **deeper** [KY14]. **Deepest** [FTHK19, BHK<sup>+19</sup>, DSAB20]. **deeply** [JFEC13, ZLG17a, ZLG17b]. **deeply-mixing** [ZLG17a, ZLG17b]. **Deepwater** [DYL<sup>+15</sup>]. **define** [CSBL<sup>+15</sup>]. **Defining** [MD10, TCL20, ZWP23, HAP<sup>+16</sup>, PHKS01, SFS<sup>+12</sup>]. **definition** [Ban65]. **Definitions** [ORMB08]. **deglaciation** [ZLC<sup>+15</sup>]. **degradation** [FBR<sup>+13</sup>]. **Degraded** [CMC<sup>+16</sup>, VBJ<sup>+20</sup>]. **Degree** [HBD<sup>+18</sup>]. **Degree-days** [HBD<sup>+18</sup>]. **delays** [MMD<sup>+16</sup>]. **deleteriously** [HLPL05]. **delimitation** [JGB20]. **Delimiting** [LJM<sup>+16</sup>]. **Delphinus** [SGL<sup>+18</sup>]. **delphis** [SGL<sup>+18</sup>]. **delta** [CFC<sup>+18</sup>]. **demand** [GSSWK20, MMKS<sup>+21</sup>]. **demands** [WMC<sup>+89</sup>]. **Demersal** [KSVT00, ERT<sup>+22</sup>, FTC<sup>+16</sup>, GFB<sup>+15b</sup>, GFB<sup>+15a</sup>, HM90, PSA<sup>+19</sup>, VBJ<sup>+20</sup>, XYK<sup>+22</sup>]. **demographic** [BEP02, GTS<sup>+21</sup>, SGA<sup>+19</sup>]. **demography** [HRA<sup>+08</sup>]. **Demonstration** [BMG<sup>+19</sup>, RFC<sup>+15</sup>]. **demosponges** [SGA<sup>+19</sup>]. **dendritic** [AHD18]. **Dendrobranchiata** [CHSB<sup>+21</sup>]. **denitrification** [BHE<sup>+98</sup>, PLN<sup>+23</sup>]. **Denmark** [JJR<sup>+08</sup>]. **Dense** [BBB<sup>+14</sup>, PNF<sup>+21</sup>, RTN90, BGV<sup>+23</sup>, ISH<sup>+04</sup>, NAH<sup>+21</sup>, ONR<sup>+14</sup>, PdMS<sup>+13</sup>, RCC<sup>+18</sup>, RKM<sup>+07</sup>, SGL<sup>+17</sup>, UNN<sup>+14</sup>, VKT15, dZTG05]. **dense-water** [RKM<sup>+07</sup>]. **density** [BFB<sup>+20</sup>, CP02, DDK<sup>+18</sup>, GDN<sup>+18</sup>, Her88, JS90, KSVT00, Mol22, RCF<sup>+13</sup>, Sie69]. **deoxygenation** [BHK<sup>+16</sup>, CWS<sup>+21</sup>]. **dependence** [BBS21]. **dependency**

[KBF<sup>+</sup>08, KSK21, LMS93]. **dependent** [ACK<sup>+</sup>13, BECA22, OIC<sup>+</sup>23]. **depicted** [VNMS91]. **depicting** [BDP<sup>+</sup>06]. **depleted** [AIHB<sup>+</sup>07, MPN09]. **depletion** [ASB<sup>+</sup>08, PAVB<sup>+</sup>21]. **deployments** [BKD<sup>+</sup>20]. **Deposition** [GvOS<sup>+</sup>08, BJ17, GCD<sup>+</sup>99, JGO<sup>+</sup>98, LGG18, Ola65a, RDD<sup>+</sup>18, SvWRvB02, TAW<sup>+</sup>15, VOG<sup>+</sup>08, VBA<sup>+</sup>18, WDK<sup>+</sup>01, YSY<sup>+</sup>19, ZCLS20, dWDB<sup>+</sup>98]. **deposits** [LCJ<sup>+</sup>07, SCS87]. **Depth** [BLES16, BAB<sup>+</sup>19, FTC<sup>+</sup>16, Phl65, UAM05, ATS01, AHRT90, CDS90, Car98, CSMGS19, CSG<sup>+</sup>15, CCB<sup>+</sup>20, DW02, ED82, GGJ<sup>+</sup>10, HLTB<sup>+</sup>17, LT06, Lev88, PFW15, RSW<sup>+</sup>23, RLR<sup>+</sup>18, UKK<sup>+</sup>19, VFS<sup>+</sup>15, XY21, vRGW10, BHK<sup>+</sup>19]. **depth-distribution** [GGJ<sup>+</sup>10]. **Depth-related** [BLES16, FTC<sup>+</sup>16, UAM05, AHRT90]. **depths** [BMK12, CBL<sup>+</sup>19, HFO90, Mar20, OT19]. **Derelict** [GCF<sup>+</sup>19]. **derelicts** [Ric85]. **derived** [ASR<sup>+</sup>20, BMC05, BKD<sup>+</sup>20, BS95, Cai95, DHL<sup>+</sup>21, HMRB<sup>+</sup>03, HTdM<sup>+</sup>15, LCBN14, LC16, LW13, LLX<sup>+</sup>21, MDR22, PGRP<sup>+</sup>18, PLK14, RBS<sup>+</sup>20, RBS<sup>+</sup>22, RDD<sup>+</sup>18, SCMAR<sup>+</sup>99, SW92, SJ02c, SJ02b, SLH<sup>+</sup>19, SI97, WPA<sup>+</sup>24, WPB<sup>+</sup>08, ZD17]. **described** [JZ19]. **describing** [Ano94k, GLF<sup>+</sup>17, GLS08, PBN13]. **description** [AHW99, BDP<sup>+</sup>06, Bum73, FGSA97, GBG05, JGB20, Mil09, Mit83, Owe91, PMG15, Rud15, iSIS02, MFM85]. **descriptions** [CES<sup>+</sup>19, CP19, Mar20]. **Descriptive** [Hof81]. **Descriptors** [MLM09]. **Desert** [FAAV<sup>+</sup>15, RDD<sup>+</sup>18]. **Design** [Whi95, Ben85, SPC<sup>+</sup>23, SCY<sup>+</sup>23, TDH<sup>+</sup>95, TIOM16]. **desmosomatid** [JGB20]. **destinations** [LGH<sup>+</sup>21]. **detail** [AF10]. **detailed** [VMA<sup>+</sup>24]. **detected** [KCL<sup>+</sup>12]. **Detecting** [LHF<sup>+</sup>16, dHA<sup>+</sup>04, Man04]. **detection** [BECA22, BPGD<sup>+</sup>14, BLC23, OP18, ON22, Tho87]. **determinants** [SSS<sup>+</sup>11]. **Determination** [HF65, YKWF21, Koc65a, SC65, XD95]. **determine** [LJM<sup>+</sup>16, Pra04, Suk88]. **determined** [DEW<sup>+</sup>97, WSO01]. **determines** [PDAM<sup>+</sup>15]. **Determining** [SQJ<sup>+</sup>17, Dav99, FRCH15, SRAV19, WSS15]. **detours** [MIN<sup>+</sup>20]. **detrital** [LLL<sup>+</sup>11, SMM<sup>+</sup>90]. **detritus** [GMAB07, KBC<sup>+</sup>22]. **developed** [SFAD<sup>+</sup>90]. **Developing** [MCH<sup>+</sup>12, RSK<sup>+</sup>23, SJP10, XY20]. **Development** [CBHL07, HFK03, JHDT12, MN88, Mil93a, WCB20a, BMK12, Eme65, EBW<sup>+</sup>23, FHP83, GPEV20, GMDD<sup>+</sup>22b, KAH<sup>+</sup>16, PM13, PFHM10, RAB<sup>+</sup>11, SAB<sup>+</sup>21]. **developmental** [BM76, OAWAN18]. **developments** [FPJ<sup>+</sup>15, JAS<sup>+</sup>20, Szu12]. **device** [RLC85]. **devices** [AKAL20, ICB<sup>+</sup>19]. **adiabatic** [WCN<sup>+</sup>05]. **diadromous** [EAB<sup>+</sup>23]. **diagenesis** [RGC<sup>+</sup>01]. **diagenetic** [GLS08]. **diagnosed** [APHGC<sup>+</sup>22]. **Diagnosing** [CSS<sup>+</sup>21, PKV18]. **diagnostic** [OACA20, YJS86, YLY<sup>+</sup>14]. **diagram** [Tom81b]. **diagrams** [Ric08]. **diapausing** [JC04, KHP<sup>+</sup>18, WBC<sup>+</sup>22]. **diapiric** [OSH<sup>+</sup>96]. **Diapycnal** [KY23, RPPM<sup>+</sup>23, HDB13]. **Diatom** [Fro05, RCB<sup>+</sup>20, AAML22, FPJ<sup>+</sup>15, FB05, HL05, HLPL05, ILA21, JTQ<sup>+</sup>18, KV13, KV18, KTW<sup>+</sup>22, MST<sup>+</sup>23a, OMS<sup>+</sup>09, PHLL05, PTPY<sup>+</sup>23, PMS<sup>+</sup>15, RFKC16, RF17, ST03, ST10, TSFA22, WPB<sup>+</sup>08]. **diatom-derived** [WPB<sup>+</sup>08]. **diatomaceous** [LvIKB07]. **Diatoms** [Don65, PMA<sup>+</sup>14, SYN<sup>+</sup>21, CLV<sup>+</sup>19, GDI<sup>+</sup>09, GGE<sup>+</sup>65, HHAR23, KV18, KBE<sup>+</sup>22, LPHL<sup>+</sup>05b, MDC<sup>+</sup>07, TKK<sup>+</sup>05, WPB<sup>+</sup>08]. **DIC** [PRL<sup>+</sup>18].

**dicarboxylic** [SCCJ<sup>+18</sup>]. **Dichato** [RBPGJ<sup>+20</sup>]. **did** [JvdLL<sup>+15</sup>].  
**DIDSON** [GDN<sup>+18</sup>]. **Diel** [Her88, UPPS<sup>+21</sup>, dPGSHL23, Ang84, Ant09, BEP02, CDL<sup>+22</sup>, Dom84, GBB<sup>+20</sup>, HGD22, OACA20, OCH<sup>+18</sup>, Pug84, RAB<sup>+84</sup>, Roe84a, Roe84b, RB84, RJT84, RG94, SK17, ZGB<sup>+20</sup>]. **Diet** [ABE<sup>+15</sup>, BOMdP15, EBD<sup>+20</sup>, ESD<sup>+21</sup>, EBvdL<sup>+09</sup>, HHB<sup>+01</sup>, AGD<sup>+18</sup>, BFH01, BGM<sup>+10</sup>, BD20, CPG08, CQC15, DIQJ21, GMR<sup>+23</sup>, HGBG20, SHT<sup>+01</sup>]. **Dietary** [NHE<sup>+13</sup>, SM16]. **diets** [DWNN04, EBvdL<sup>+09</sup>, Gif93].  
**Differences** [LBP<sup>+21</sup>, Tan99, ACK<sup>+13</sup>, AAMB<sup>+24</sup>, CP02, KJZ<sup>+12</sup>, LSS<sup>+09</sup>, RLR<sup>+18</sup>, WSH15]. **Different** [KCL<sup>+12</sup>, VPM<sup>+19</sup>, AMEV07, Bak01, BBL<sup>+18</sup>, CSMGS19, CGC<sup>+20</sup>, CCB<sup>+20</sup>, DDDT99, HLK13, HSK<sup>+19</sup>, HMH<sup>+15</sup>, IPG<sup>+16</sup>, KKO10, KGJ<sup>+10</sup>, MGH<sup>+07</sup>, PPKR14, Sie69, WZBK<sup>+21</sup>, XHC<sup>+20</sup>, YYK<sup>+12</sup>, YGMR<sup>+23</sup>].  
**Differential** [Gar03, Due77]. **differentiation** [WLP<sup>+21</sup>]. **diffraction** [LGL<sup>+18</sup>]. **diffusion** [Gar03, RG03a, Wen88]. **Diffusive** [KFC<sup>+23</sup>, Fla02, KFG<sup>+03</sup>, McD81a, McD81b, ÖÜT93, PSGVS<sup>+14</sup>, WZFW16, YYK88, YN03a]. **diffusively** [TG81]. **digestive** [RMB<sup>+01</sup>]. **dimensional** [BBPHG<sup>+11</sup>, BASS<sup>+20</sup>, Coo69, Dav85, DJ92, GWB14, Kaw86, KDF97, LHC<sup>+19</sup>, MR03, MAB<sup>+11c</sup>, MAB<sup>+11a</sup>, MAB<sup>+11b</sup>, SGMVF14, WB03, XD95, YHZ<sup>+22</sup>, YWUK15, YFY05]. **dimethyl** [ZPY<sup>+20</sup>]. **dimethylated** [GLY23]. **dimethylsulfide** [FLDF22, ZBY<sup>+22</sup>]. **Dimethylsulphide** [FPS<sup>+09</sup>].  
**Dinoflagellate** [BPTT19, ST10, KPM<sup>+23</sup>, MPMA13, OMS<sup>+09</sup>, RSM<sup>+23</sup>, SPF<sup>+23</sup>, Sma10a, Sma10b, VMV<sup>+23</sup>, ZHBW01]. **dinoflagellates** [CM14a, PMA<sup>+14</sup>]. **Dinophysis** [DRVMC<sup>+22</sup>, PMMN<sup>+22</sup>]. **dioxide** [FLUC08, KBHML17, XCH<sup>+16</sup>]. **dioxins** [CJRÁ<sup>+13</sup>]. **dipole** [SW22, RHB23]. **Direct** [ITO<sup>+14</sup>, JSKM02, LGK<sup>+93</sup>, Web69]. **directions** [MPC12, PV18]. **disadvantages** [KSY<sup>+19</sup>]. **discharge** [AJHC19, CKB<sup>+17</sup>, CTI<sup>+19</sup>, FMWW14, GdRGC<sup>+14</sup>, WBH15]. **discharges** [LDMH09]. **discovered** [GKS<sup>+13</sup>]. **Discovery** [WTT14]. **discrepancy** [HL05]. **discriminate** [LSD<sup>+15</sup>]. **discriminated** [BCLD<sup>+17</sup>].  
**Discrimination** [YGL<sup>+10</sup>]. **discussion** [MSFZ19]. **Disentangling** [HGB<sup>+21</sup>, HLCdP19]. **disequilibrium** [AYK<sup>+05</sup>]. **disjunct** [NHG19]. **Disko** [HJLLN07]. **disparities** [HS07]. **Dispersal** [HPW10, JGO<sup>+98</sup>, PHFK14, PPdS21, ALT10, CZG<sup>+21</sup>, DCM16, GKC<sup>+14</sup>, GGJ<sup>+10</sup>, GHC<sup>+17</sup>, JLRB20, JLP<sup>+20a</sup>, JLP<sup>+20b</sup>, LAHI10, LYZ16, LAGM<sup>+23</sup>, MKSvA<sup>+22</sup>, OOTA15, QCdS<sup>+07</sup>, SNV<sup>+18</sup>, TTMM<sup>+17</sup>, TKC<sup>+22</sup>, TMR<sup>+21</sup>, VMH<sup>+21</sup>, VOJD02b].  
**Dispersion** [ZLG17b, ARDP14, Gar06, IAN13, MMIB10, OC06, San15, SVIA14, ZLG17a].  
**Dispersion-Confinement** [ZLG17b, ZLG17a]. **displacement** [SDGVE17]. **displacements** [LO21]. **Dissecting** [XHW<sup>+20</sup>]. **dissipation** [Car97a, Kat18, LL97]. **dissolution** [GTR01, TGR05]. **Dissolved** [DHDM22, MPCNC<sup>+19</sup>, VFCC<sup>+22</sup>, BFJ18, CDS90, CLL<sup>+18</sup>, DGH<sup>+20</sup>, FZY<sup>+23</sup>, FTG<sup>+18</sup>, FGL<sup>+23</sup>, GLAHH<sup>+22</sup>, GF19, HOY<sup>+21a</sup>, JZZY24, JMG<sup>+13</sup>, KFC<sup>+23</sup>, MNFY21, OB98, RFSCF19, SHd13, SWT<sup>+17</sup>, SIS<sup>+14</sup>, TBW00, WLM<sup>+13</sup>, XYGJ23, YT06, YTB<sup>+21</sup>, ZNR<sup>+24</sup>, ZMW<sup>+23</sup>, ZKK<sup>+16</sup>,

ZSY<sup>+22</sup>, CMPNC<sup>+22</sup>]. **distance** [JLP<sup>+20a</sup>, JLP<sup>+20b</sup>]. **distinct** [CdD<sup>+15</sup>, DBRK17, PMM<sup>+23</sup>]. **Distinctive** [AJA<sup>+22</sup>, MCGS<sup>+16</sup>]. **distinguished** [YRKC08]. **Distinguishing** [Pie01]. **distributed** [THM<sup>+14</sup>]. **Distribution** [AYH<sup>+23</sup>, AE09, CF20, EBM<sup>+21</sup>, ECFT20, GMAMB04, KT04, KMF<sup>+20a</sup>, KMF<sup>+20b</sup>, LDAM<sup>+07</sup>, LRAE23, LM00, LCR<sup>+93</sup>, lLdZQ<sup>+22</sup>, MSA<sup>+22</sup>, MPTMK22, NMLBCM<sup>+01</sup>, PL87, PBD<sup>+88</sup>, SPF<sup>+23</sup>, SGL<sup>+13</sup>, SGA<sup>+19</sup>, STS<sup>+12</sup>, SBS90, TZP<sup>+00</sup>, YCP<sup>+12</sup>, YAI<sup>+14</sup>, AHSS22, AEP<sup>+23</sup>, AGD<sup>+18</sup>, AOMZ<sup>+23</sup>, AHRT90, BM76, Ban64, BSF95, BLI<sup>+99</sup>, BCLD<sup>+17</sup>, BHB<sup>+19</sup>, BDL08, BGB<sup>+08</sup>, BECA22, BBFS19, BHC<sup>+18</sup>, BJ90, BSH<sup>+20</sup>, BTV<sup>+17</sup>, CAH<sup>+22</sup>, CSR90, CGV13a, CB06, CMM<sup>+04</sup>, CTF07, CMPNC<sup>+22</sup>, CLB<sup>+13</sup>, CLG<sup>+00</sup>, CS06, CFG07, Cra09, CNSHT15, CJG88, DDE<sup>+95</sup>, DGP<sup>+13</sup>, DLL<sup>+23</sup>, DGGdR02, DAU22, DCRR<sup>+22</sup>, DDCE<sup>+23</sup>, DAIS10, DIQJ21, EAB<sup>+23</sup>, EKB06, EHG<sup>+12</sup>, dCFK17, FTG<sup>+18</sup>, FTHK19, GCLD19, GHF<sup>+21</sup>, GPP22, GGJ<sup>+10</sup>, GSA<sup>+20</sup>, GBT<sup>+19</sup>, GBB<sup>+20</sup>, GGA<sup>+16</sup>, GMDS20, GAS<sup>+22</sup>, HGD22, HVTV22, HFNG00, HKPV12, HOY<sup>+21a</sup>, Hob10, HF10, HCGK11, IMM<sup>+22</sup>, IHY<sup>+01</sup>, JS90]. **distribution** [JC04, JMZ23, JSHB90, JAJS08, JHW<sup>+14</sup>, Kam19, KSK<sup>+15</sup>, KFM<sup>+17</sup>, KGdS<sup>+08</sup>, KVNT20, KSKN21, KDB95, KHP<sup>+18</sup>, KFH<sup>+15</sup>, LJ65, LF12, LOBG<sup>+10</sup>, LLGS21, LRGV<sup>+18</sup>, LPARF<sup>+20</sup>, LSIB23, MCB<sup>+90</sup>, MSC<sup>+15</sup>, MGWZ20, MBdM<sup>+18</sup>, MPCNC<sup>+19</sup>, McG64, MS17, MPSD15, MBB<sup>+96</sup>, MFA<sup>+15</sup>, MWFH02, MGH<sup>+07</sup>, MKMF<sup>+89</sup>, NHH<sup>+23</sup>, NCC<sup>+15</sup>, NMN08, OSH<sup>+96</sup>, ORMR<sup>+19</sup>, PSL87, PPSV<sup>+18</sup>, PJS<sup>+22</sup>, PPVG12, PRC<sup>+20</sup>, PPSVC<sup>+13</sup>, PWZ<sup>+16</sup>, PK02, PDAM<sup>+15</sup>, PCC<sup>+19</sup>, PLHLF05, RLDC<sup>+13</sup>, RCB<sup>+20</sup>, RAP95, RMB<sup>+01</sup>, RG94, SOS<sup>+07</sup>, SSB20a, SIR<sup>+07</sup>, SM21, SBK<sup>+95</sup>, Sie69, SAY<sup>+16</sup>, SCC<sup>+19</sup>, SSV<sup>+11</sup>, SDL<sup>+19</sup>, TPRS10, TBW00, TIOM16, Ver91, WMB<sup>+21</sup>, WCX<sup>+21</sup>, WSS15, WQ08, XYL<sup>+22</sup>, XNT<sup>+17</sup>, YTB<sup>+21</sup>, YSY<sup>+19</sup>].

**Distributions**  
[HHY03, SIS<sup>+14</sup>, Ang79b, Ang84, ATC<sup>+19</sup>, ABP15, BSW86, BMG<sup>+19</sup>, Bri79, BASS<sup>+20</sup>, CDH<sup>+13</sup>, CIL<sup>+23</sup>, CGM<sup>+02</sup>, CBOP15, CCM<sup>+14</sup>, CW02, Dom84, DHL<sup>+21</sup>, DTKvH15, FCN<sup>+19</sup>, FW91, GBC<sup>+00</sup>, GMR<sup>+23</sup>, Hau84, HSLG11, KCPM09, KTIT22, Lev88, MHCR<sup>+12</sup>, OYKK<sup>+23</sup>, OCH<sup>+18</sup>, Par65, PBP<sup>+99</sup>, Pug84, RB20, RAB<sup>+84</sup>, Roe84a, Roe84b, RB84, RJT84, SMN<sup>+14</sup>, SWT<sup>+17</sup>, SK18, SBE<sup>+20</sup>, SW21, TCDPP<sup>+23</sup>, WGG<sup>+08</sup>, WL16, Yao88, ZHBW01].

**disturbance** [GWK17, RLR<sup>+18</sup>, dJSL<sup>+20</sup>]. **disturbances** [His22, LL21].

**diurnal** [CIL<sup>+23</sup>, PVV23, Rou65, SNS<sup>+22</sup>, vHMDL14]. **diurne** [Rou65].

**dive** [HHP10]. **Divergent** [FMCG15]. **Diverging** [HSG<sup>+15</sup>]. **diverse** [HGB<sup>+21</sup>, IG19, MRBS<sup>+24</sup>, OSH<sup>+96</sup>, RSW<sup>+23</sup>, SKH<sup>+23</sup>, SPH<sup>+15a</sup>].

**diversification** [GWGR<sup>+19</sup>, HS22]. **diversities** [RTBR<sup>+22</sup>]. **Diversity** [BBFS19, BGWP<sup>+17</sup>, BTV<sup>+17</sup>, DCRR<sup>+22</sup>, EBW<sup>+23</sup>, GGA<sup>+16</sup>, Mar20, PJS<sup>+22</sup>, PAPL15, ABE<sup>+15</sup>, AS96, ÁLC22, BMdMS<sup>+21</sup>, BWB<sup>+09</sup>, CMF<sup>+09</sup>, CTR<sup>+19</sup>, DDK<sup>+18</sup>, DNNNN16, DBJ<sup>+15</sup>, DBR20, FTC<sup>+16</sup>, FBT<sup>+22</sup>, GCC<sup>+24</sup>, GFB<sup>+15b</sup>, GFB<sup>+15a</sup>, GLV12, GRdSS<sup>+22</sup>, HEF<sup>+12</sup>, HTG15, JPB20, KSVT00, KKKS14, LWBD<sup>+17</sup>, MGWZ20, MJD<sup>+21</sup>, NGNV12, OVG16, PTPY<sup>+23</sup>, PPD<sup>+12</sup>, QOS<sup>+22</sup>, SBS90, VWDF14, WPBG<sup>+18</sup>, ZWM<sup>+15</sup>].

**Dividing** [RSB<sup>+</sup>13]. **diving** [FDB<sup>+</sup>21, STEB16]. **DMS** [MY23]. **DMSP** [CM14a, FPS<sup>+</sup>09, MY23]. **DMSP-lyase** [FPS<sup>+</sup>09]. **DNA** [CBL<sup>+</sup>19, JM19, RSM<sup>+</sup>23]. **Do** [HLD<sup>+</sup>21, KCPM09, PCR<sup>+</sup>22, TKC<sup>+</sup>22, NGLSSG14, Ric22, RMB<sup>+</sup>01, RSM<sup>+</sup>23, SMKK21, Zez90]. **DOC** [OB98, SHd13]. **documented** [SBMB18]. **Does** [LPHL<sup>+</sup>05b, SCC<sup>+</sup>19, WBC<sup>+</sup>22, XRC<sup>+</sup>15, ALT10, CPC88, Dag93, FMWW14, GCCY<sup>+</sup>14, IL20, MAH<sup>+</sup>15, SGLF<sup>+</sup>13, UAM05]. **Dohrn** [GCLD19]. **doliolids** [IMM<sup>+</sup>22]. **dolphin** [SGL<sup>+</sup>18]. **dolphins** [LPF<sup>+</sup>18]. **DOM** [CMPNC<sup>+</sup>22, CDB<sup>+</sup>22, CMPNC<sup>+</sup>22, MPCNC<sup>+</sup>19, MZ14]. **domain** [TSJ<sup>+</sup>12, CWW15]. **domains** [CLV<sup>+</sup>19, MWFH02, WKS<sup>+</sup>15]. **dome** [SDS<sup>+</sup>22b]. **Dominance** [JJA<sup>+</sup>17, ERT<sup>+</sup>22, PFW15]. **Dominant** [HDZY15, AVK91, INI<sup>+</sup>17, MGH<sup>+</sup>07, SLBVR<sup>+</sup>22]. **dominate** [CBT07]. **dominated** [BTNK13, TPPG10, Whe06, XLX<sup>+</sup>20, ZDG<sup>+</sup>21]. **Dongsha** [HWF<sup>+</sup>21]. **Dosidicus** [ATT<sup>+</sup>08, BGM<sup>+</sup>10, RS10]. **Double** [McD81a, McD81b, PSGVS<sup>+</sup>14, KFG<sup>+</sup>03, ÖÜT93, RG03a, RG03b, TG81, YYK88, YN03a]. **double-diffusion** [RG03a]. **Double-diffusive** [McD81a, McD81b, PSGVS<sup>+</sup>14, KFG<sup>+</sup>03, YN03a]. **double-diffusively** [TG81]. **double-infusion** [RG03b]. **Douro** [MSd<sup>+</sup>16]. **down** [AH10, AF10, BVJE19, CGM<sup>+</sup>02, FZY<sup>+</sup>23, FFA06, HS22, HM06, MLPN06, OWR<sup>+</sup>07, PPD<sup>+</sup>12, RGMPR23, SIB<sup>+</sup>06, YNMY23, ZK06]. **downcore** [SLG<sup>+</sup>12]. **downscaling** [LPF23, SCLS10]. **downstream** [TOiF<sup>+</sup>12, WWL<sup>+</sup>22]. **Downward** [SCT<sup>+</sup>00, BS02, FUOG<sup>+</sup>16]. **downwelling** [ABS<sup>+</sup>20, BLT<sup>+</sup>15, LPF<sup>+</sup>21]. **Dr.** [Ano20u]. **Dragon** [GKS<sup>+</sup>13]. **Drake** [CLV<sup>+</sup>19, CP07, GWGR<sup>+</sup>19, Spr08, VKDS<sup>+</sup>18]. **Drastic** [KOhL<sup>+</sup>10]. **drawdown** [TRP<sup>+</sup>23, TAM<sup>+</sup>15]. **drift** [Coo65, HKPV12, HMA18, ICB<sup>+</sup>19, MK86, SCHD23, SOO<sup>+</sup>14, VBL<sup>+</sup>09, YSS14]. **drifter** [LKDL14, LC16, TM13, TFZS14]. **drifters** [AKAL20, BBM<sup>+</sup>14, GL06, ICB<sup>+</sup>19]. **Drifting** [Ric85]. **driftnet** [INI<sup>+</sup>17]. **drive** [BMG<sup>+</sup>21a, CCB<sup>+</sup>20, GSA<sup>+</sup>20, GRD<sup>+</sup>23, LBC<sup>+</sup>23, RAB<sup>+</sup>11, WCS<sup>+</sup>23, YFY<sup>+</sup>22]. **Driven** [SBPGP<sup>+</sup>23, BBS21, BBS23, CLY22, CBM<sup>+</sup>21, FMP19, GW91, KQP<sup>+</sup>17, MHGGS19, NNM<sup>+</sup>21, OIC<sup>+</sup>23, OÁSG<sup>+</sup>16, PRTC13, RB20, SDGVE17, Sek86, SC23, SDO<sup>+</sup>14, TAW<sup>+</sup>15, TG81, WHBK05, WHBW03, XWL<sup>+</sup>22, vHCY<sup>+</sup>20]. **driver** [MTK<sup>+</sup>22]. **Drivers** [BTS<sup>+</sup>15a, CM18a, GHL15, IMM<sup>+</sup>22, OVG16, OHH<sup>+</sup>22, BBL<sup>+</sup>18, CLD22, CMPNC<sup>+</sup>22, EBR<sup>+</sup>14, FJA<sup>+</sup>21, GBT<sup>+</sup>19, HSGJ23, HVTV22, HLD<sup>+</sup>21, HPW10, KPSB22, KHP<sup>+</sup>18, LJM<sup>+</sup>16, LM18, LFCSV<sup>+</sup>13, LDMH09, MPCNC<sup>+</sup>19, MCKS17, PVM<sup>+</sup>20, PGY<sup>+</sup>22, PSA<sup>+</sup>19, RCSVGP<sup>+</sup>16, SHP<sup>+</sup>23, SBL<sup>+</sup>23, SLH<sup>+</sup>19, TAM<sup>+</sup>15, VSGD21, VDB<sup>+</sup>20, YPVP<sup>+</sup>22]. **drives** [APC<sup>+</sup>12, SOO<sup>+</sup>14, ZWM<sup>+</sup>15]. **driving** [NRA17, Woo18]. **drop** [CMF11]. **droughts** [Has06]. **dry** [Ken88, KAK<sup>+</sup>22b]. **dryer** [JTQ<sup>+</sup>18]. **dual** [LH08, TSJ<sup>+</sup>12, GDN<sup>+</sup>18]. **dual-basin** [LH08]. **dual-domain** [TSJ<sup>+</sup>12]. **Dual-frequency** [GDN<sup>+</sup>18]. **due** [DLD<sup>+</sup>19, IST<sup>+</sup>88, KLC<sup>+</sup>15, LRJ<sup>+</sup>15, SAY<sup>+</sup>16, YHRT22]. **Dungeness**

[BL02]. **duration** [FP03, GGJ+10, STHM02, WO15]. **during** [AMFY20, AAML22, ABD+17, ABS+20, AYK+05, AVK91, AVG+19, AKH+23, ABP15, BC91, BGM+01, BIST01, BCM+02, BRD+15, BPC+05, BM07, BASS+20, CAH+22, CCW+02, CTF07, CB91, CJMI+91, CFC+18, CBD+24, DW02, DRVMC+22, DHDM22, EKB06, ESGP17, EMU+23, FB01, FGGDF+04, FWBC02, GWB14, GFGGD+23, GMDD+22b, GCZ+00, GIHJ23, GA10, GMAB07, GRS08, GAM98a, GAM98b, HMB+86, HGPFN+14, HFW+98, HCC02, HHSR07, HBH+17, HCGK11, HSF02, JJA+17, JS87, JC88, JSKM02, JMZ23, JST+24, JW01a, KKB00, KIS+05, KBHML17, Kos02, KC02, KNI+05, KYS+17, LBH+87, LPHL+05b, LPHL+05a, LGR+02, LBH+21, LC22, LXC+22, LOO22, LCGH07, LWBD+17, LDMH09, MSMR93, MG02, MRMD+97, MMR+12, MST+23a, MHA+11, MPD+22, McG64, MBB+96, MWS+10, Mil93a, MSA+22, MIW91, MSS+02, MMF+12, MFM85, MPTMK22, MGH+07, MHCR+12, MA12]. **during** [MEMC05, MJA+07, NSE+24, NBR+08, NKK+05, NST+23, ORW+01, OELP04, OEL+14, PBB+20, PVG+20, PPdM+12, PTP+22, PELAA18, PAM+88, PK02, PHL05, PWMIM91, PVV23, PLN+23, PNF+21, RAP95, RVS+21, Sai65, SLG+12, SLBVR+22, SMdG02, SGMP15, SMP+22a, SWT+17, SZG06, SKF20, SEG+22b, SEG22a, SW01, SPH83, SMGL01, STW+15, STR01, SYN+21, SDL+19, TMN+12, TII+14, TSAM+22, TFM03, TSFA22, VSGC21, VHV+12, VDGGD+22, Ver91, WFH+22, WP91, WLM+13, WLM07, WDMC02, WHK23, YMA+17, YNMY23, YLL19, ZBY+22, ZLC+15, ZDG+21, dPAJ07, dFKdLZTT17]. **dusky** [LPF+18]. **dust** [LGG18, Qiu15, RDD+18]. **dust-derived** [RDD+18]. **DWBC** [FKZ+15]. **dwelling** [KFC+13]. **DYFAMED** [CLL+18, HLM+13, MMG+11]. **Dynamic** [LB02, TAW+15, TJ90, AMG+16, GCCY+14, KHS+14, Kaw86, Kit03, KMU+12, Leh01, MB01, PHKS01, PBN13, RSMIS03, Ric15, RG94, Sac16, TSH+17, VDS+18, XDG+23, YAK+08]. **Dynamical** [RHB23, Tho95, HKL+15, PC87]. **Dynamics** [AYK+05, Car98, DTOD00, DGH+20, KIS+05, Kir06, LSM+22, LSB+17, LSD+18, LZG20, MFS+16a, MFS+16b, MYH+22, MMG+11, SFMT12, SFMT14, SBPGP+23, WHIH97, AEP+23, AHP19, AS88, AOMZ+23, Ano94c, AG22, ALM+23, AKH+23, BDP+06, Bak06, BBB+14, BFJ18, BHLU+07, BRR+12, Bri83, BB10, CRGA17, CGL+20, CKB+17, CML+16, CWZ+20, CGMP14, CSV+07, CMS+13, CSS+21, CAM06, CMHM18, CLG+00, CS16, CCD+13, CRiI+15a, DAvD+20, DAvD+21, DCD+23, DXH+02, DBW+22, DLL+23, DZ04, DL17, DBRK17, DLJ+21, DCL+13b, DK07, EMU+23, FBS+18, FFA06, FK99, Gam14, GCB+22, GCV+24, GCD+13, GBC+16, GRD+23, GCFS06, GC14, GZCL23, HPS+01, HPC+20, HSK+19, HMP+13, HvDL+17, HGH+19, IVR+13, JB15, JvdLL+15, JHM+22, JMG+13, JCF+23, KKS+18, KBC+22, KHC+99, KHD22, KMB01, KAK+22a, KMS+24, KSKN21, KS15, KNI+05, LGK+93]. **dynamics** [LSM08, LMS10, LG23, LNB13, LFG10, LZCZ05, LGH+21, LS12, LS15, LGD+20, MHGGS19, MGA+23, Mau10, MY92, MKM93, MFDH22, MS00,

MMD<sup>+16</sup>, NMK<sup>+03</sup>, NKK03, NHSP23, NHN<sup>+21</sup>, OVR<sup>+02</sup>, PVC<sup>+08</sup>, PMMN<sup>+22</sup>, Peñ03b, PV07, PMC16, PVB23, PST<sup>+02</sup>, PWMIM91, PCH<sup>+08b</sup>, PDD<sup>+22</sup>, Pra91, REG<sup>+15</sup>, RTF<sup>+05</sup>, RHB23, RGPB<sup>+23</sup>, RKC<sup>+10</sup>, SBMB18, ST03, SHd13, SDK84, SPH<sup>+15a</sup>, SDH<sup>+14</sup>, SPN98, SPK<sup>+22</sup>, SLH<sup>+19</sup>, SGR<sup>+22</sup>, TTMM<sup>+17</sup>, TTB<sup>+08b</sup>, TG81, TFZS14, VFCC<sup>+22</sup>, VGM<sup>+23</sup>, VHV<sup>+12</sup>, VSC01, VOJD02a, VOJD02b, WCX<sup>+21</sup>, WZBK<sup>+21</sup>, YGC<sup>+21</sup>, Yos80, Yu23, ZLG17a, ZLG17b, ZDG<sup>+21</sup>, ZPC<sup>+16</sup>, ZFSV<sup>+09</sup>, vWM02a]. **dynamique** [Ber65c]. **DYNAMO** [Ano01a, MLW01]. **Dysfunctionality** [AM10, Fly10].

**E.** [GBG05]. **each** [CBL<sup>+19</sup>]. **eAP** [WCC<sup>+20</sup>]. **Earlier** [KGB<sup>+23</sup>]. **Early** [BSF<sup>+21</sup>, FMT15, NNFL21, PSK96, AHP19, AHC<sup>+13</sup>, BLT<sup>+08</sup>, CCM<sup>+14</sup>, DML<sup>+16</sup>, Dea85, EKB06, FVLC<sup>+23</sup>, FCN<sup>+19</sup>, FMW91, GPEV20, GKS<sup>+13</sup>, GDM<sup>+15</sup>, GiIKX22, HBG<sup>+21</sup>, HPW10, IMHL07, KSK<sup>+15</sup>, KBF<sup>+08</sup>, KLP<sup>+17</sup>, LSY<sup>+14</sup>, LBC<sup>+23</sup>, MVBC<sup>+21</sup>, NHG19, PDAM<sup>+15</sup>, RGC<sup>+01</sup>, SLY<sup>+15</sup>, Tho87, TMR<sup>+21</sup>, TRP<sup>+23</sup>, VMH<sup>+21</sup>, WZ04, YJ88, dFKdLZTT17]. **earth** [Ång65, GSPP<sup>+20</sup>, CR97, GCD97, Kag97, Bak83]. **earthquake** [CLB<sup>+14</sup>]. **earthquake-induced** [CLB<sup>+14</sup>]. **East** [Ang84, AYH<sup>+23</sup>, ALT10, CSC<sup>+12</sup>, Dom84, HCV<sup>+20</sup>, HWS<sup>+07</sup>, LC16, LCJ<sup>+07</sup>, LXC<sup>+22</sup>, NGNV12, ORMR<sup>+19</sup>, Pug84, RAB<sup>+84</sup>, Roe84a, Roe84b, RB84, RJT84, TTL<sup>+04</sup>, VHV<sup>+12</sup>, ABSDC07, Bum73, DMBHG10, JJS03, KMOM88, Lie88, Man69, MKM86, MM90, STJ<sup>+14</sup>, TMH<sup>+16</sup>, Yin88, ZSH<sup>+24</sup>, CPG<sup>+18</sup>, CTL<sup>+04</sup>, CS03, Cho86, DL17, DCS<sup>+22</sup>, GCCY<sup>+14</sup>, HMRA<sup>+03</sup>, HOY<sup>+21b</sup>, hHCK01, HSH97, ITM86, JJR<sup>+08</sup>, JS87, JJL<sup>+19</sup>, JZZY24, JAJS08, J6n07, JJ08, KKK04a, KKK<sup>+04b</sup>, KPM<sup>+23</sup>, KHM<sup>+88</sup>, LSF<sup>+17</sup>, LGH<sup>+21</sup>, MLL<sup>+22</sup>, MY23, MH14, MKS<sup>+22</sup>, NC80, NBR<sup>+08</sup>, NHN<sup>+21</sup>, ORCH<sup>+19</sup>, PMG15, Pai20, PO00, PL18, RD03, RI86, SN24, SW12, Suk88, SP08, TM13, TKW06, TKW108, WGZZ19, YIY<sup>+04</sup>, YKS<sup>+12</sup>, YMI88, YJS86, YJ88, YPM<sup>+10</sup>, Yux88, ZKT88, ZLS<sup>+04</sup>, ZLR<sup>+07</sup>, ZGZ19, ZSY<sup>+22</sup>, ZZWL06, vHVAT22]. **East-Pacific** [vHVAT22]. **East/Japan** [CTL<sup>+04</sup>, JJL<sup>+19</sup>, KKK04a, YPM<sup>+10</sup>]. **Eastern** [KHC<sup>+99</sup>, KTB<sup>+99</sup>, AMY<sup>+23</sup>, AJA<sup>+22</sup>, AALM06, ADS<sup>+22</sup>, BM76, BPF06, BTK<sup>+99</sup>, BE99, BCLD<sup>+17</sup>, Ber65b, BHS<sup>+15</sup>, BHC<sup>+18</sup>, Bri79, BDC<sup>+08</sup>, CARBML<sup>+22</sup>, CGV13b, CC88, CS16, CMF15, DDDT99, DVL<sup>+99</sup>, DBC<sup>+23</sup>, DMT15, ECGP01, EBvdL<sup>+09</sup>, FÁFL06, FCMCÁS19, FT06, FL06, FMP19, FK99, GPP22, GTS<sup>+21</sup>, HSS<sup>+12</sup>, HMTL05, HPB<sup>+09</sup>, HFNG00, HLP<sup>+16</sup>, HHMB<sup>+09</sup>, HFO90, HVEF09, ISM<sup>+02</sup>, KKB00, KSV08, Kes06, KJH<sup>+22</sup>, KH09, KFH<sup>+15</sup>, LBNBM13, LRNK99, LFA<sup>+06</sup>, LKDL14, LW85, LSW<sup>+21</sup>, Luk86, MT99, MGG22, MST<sup>+23a</sup>, MLK<sup>+09</sup>, MC15, MNM06, MWFH02, MWO<sup>+12</sup>, NCH<sup>+07</sup>, OLH<sup>+18</sup>, OPG<sup>+10</sup>, PBB<sup>+20</sup>, PMK<sup>+06</sup>, PLEF<sup>+23</sup>, PDAM<sup>+15</sup>, PLB<sup>+23</sup>, PP10, PST<sup>+15</sup>, RMG90, RKCH15, RGPB<sup>+23</sup>, RR01, SCLG<sup>+11</sup>, SCHBC<sup>+22</sup>, SRAV19, SGS<sup>+23</sup>, SH09, STHM02, SSN23, SLPA<sup>+20</sup>, SNMW10, SGR<sup>+22</sup>, TJ73, Tan99, TMKJ<sup>+09</sup>, TPRS10, THM<sup>+06</sup>, VOT<sup>+99</sup>]. **eastern** [WF06, WF07, WSL20, WCC<sup>+20</sup>, WFR07, WHI<sup>+02</sup>, WLL06,



WTH12, XWW<sup>+21</sup>, ZK06, ZWP23, ZLZ<sup>+17</sup>, vAB96, Ano09h, BMC<sup>+10</sup>, CM09, Cia14, DDE<sup>+95</sup>, DRE<sup>+08</sup>, DGMM85, EMU21, FGSA97, FBA09, FAB<sup>+09</sup>, GBC<sup>+16</sup>, JHM<sup>+22</sup>, KKS<sup>+18</sup>, Kat18, KMU<sup>+12</sup>, KEV10, LBH<sup>+87</sup>, MLPN06, NDEG22, PJS<sup>+22</sup>, Phl65, PGC<sup>+96</sup>, PLN<sup>+23</sup>, RKM<sup>+07</sup>, SPH<sup>+15a</sup>, TPN<sup>+18</sup>, TVD<sup>+99</sup>, VKT15, VOT<sup>+99</sup>, WFBN<sup>+13</sup>]. **eastern-Mediterranean** [DDDT99]. **eastward** [BPSGP<sup>+23</sup>, FGR<sup>+06</sup>]. **eaux** [Rot65]. **Echinoderes** [AM19]. **Echinodermata** [MMK19]. **Echinoderms** [MDG<sup>+19</sup>, PJS<sup>+22</sup>]. **echinoids** [SM16]. **Echiura** [GS19, MA20]. **echiurans** [MA20]. **echo** [ZZPL18]. **echosounder** [ON22]. **eco** [Lav09]. **eco-regions** [Lav09]. **Eco3M** [BFPS06]. **ecohydrographic** [KAAK<sup>+16</sup>]. **Ecological** [CQO<sup>+15</sup>, CLG<sup>+22</sup>, EAL<sup>+07</sup>, Fly10, GVBV<sup>+21</sup>, GHC<sup>+17</sup>, GRB<sup>+08</sup>, MP04, SEO13, BRG<sup>+15</sup>, BMG13, BEH19, CAO<sup>+20</sup>, CRS04, DFM<sup>+15</sup>, DFH<sup>+16</sup>, FVA<sup>+19</sup>, GMD<sup>+22</sup>, GA01, HSMLDC<sup>+22</sup>, HFS<sup>+20</sup>, HBW17, HLD<sup>+21</sup>, Igu04, JHDT12, LAGM<sup>+23</sup>, LM14, LSH<sup>+22</sup>, MDGC<sup>+12</sup>, MGC<sup>+18</sup>, MIH06, MR03, MCH<sup>+12</sup>, OOTA15, POS<sup>+07</sup>, PRC<sup>+20</sup>, PBO10, PM13, PYKF15, RSK<sup>+23</sup>, SHD<sup>+21</sup>, TMÁGC<sup>+21</sup>, VPM<sup>+19</sup>]. **ecologically** [FACM<sup>+23</sup>, SFS<sup>+12</sup>].

#### **Ecology**

[McK04, SRK15, Ang89, BFB<sup>+20</sup>, BLI<sup>+99</sup>, BRH<sup>+05</sup>, CCG07, CDL19, CH07b, CSM<sup>+15</sup>, CLCBB19, DM13, DKRL22, EBM<sup>+20</sup>, EBM<sup>+21</sup>, FDB<sup>+21</sup>, GD85, HS22, HMP<sup>+13</sup>, HWBT03, JSLA<sup>+21</sup>, KHS<sup>+14</sup>, MM80, MPC<sup>+17</sup>, MHVS19, PGLG<sup>+05</sup>, PHCA17, SFS<sup>+12</sup>, THM<sup>+14</sup>, YGMR<sup>+23</sup>, dB94, WHG<sup>+16</sup>].

#### **Economic** [McI10, GRDS10, JHDT12, MBF<sup>+14</sup>]. **ecophysiological**

[THBA19]. **ecophysiology** [PBB<sup>+12a</sup>, PBB<sup>+12b</sup>, PRTC13]. **ecoregion** [BRR<sup>+22</sup>]. **ECOSystem** [Mau10, Ant09, AYK<sup>+05</sup>, BDG<sup>+17</sup>, BTS22, FK99, GCFS06, GBC<sup>+15</sup>, Hea12, JSA<sup>+08</sup>, JBB<sup>+14</sup>, KNI<sup>+05</sup>, LL21, MP13, MOSN<sup>+13</sup>, ML09, MBD<sup>+09</sup>, PHD<sup>+18</sup>, PCH<sup>+08b</sup>, PL09, SCD<sup>+07</sup>, SDP<sup>+22</sup>, SKGS20, YFY05, ABE<sup>+15</sup>, AN04, AF10, AM10, AGS10, AHC<sup>+13</sup>, ABÁS<sup>+09</sup>, BCB<sup>+05</sup>, Bak06, BW08, BLR<sup>+23a</sup>, BMB<sup>+16</sup>, BCM<sup>+02</sup>, BRD<sup>+15</sup>, BMM01, BDE03, BHMS09, CARBML<sup>+22</sup>, CSS<sup>+21</sup>, CALS<sup>+23</sup>, CSC<sup>+12</sup>, CHB02, CAB<sup>+99</sup>, CRiI<sup>+15a</sup>, DKRL22, DLL<sup>+23</sup>, DSR21, DPH<sup>+18</sup>, DPR<sup>+18</sup>, DWC06, EGP<sup>+18</sup>, FFA06, FACM<sup>+23</sup>, FLDF22, FPS<sup>+13</sup>, GMBU12, GLF<sup>+17</sup>, Gir15, GRS08, GCP08, GEP<sup>+08</sup>, HVS10, HFS<sup>+20</sup>, HSG<sup>+15</sup>, HGB<sup>+21</sup>, HSC09, HBD<sup>+18</sup>, HvdLS<sup>+09</sup>, IMM<sup>+22</sup>, JPM<sup>+08</sup>, JHDT12, JLS<sup>+22</sup>, JPBB20, KKB00, KHL12, KTH<sup>+21</sup>, KIS<sup>+05</sup>, LR07, LOG<sup>+09</sup>, LLL<sup>+11</sup>, LCBN14, LML<sup>+23</sup>, LDH90, Leh01, LSM08, LSXT01, LFG10, LIH<sup>+12</sup>, LHW<sup>+20</sup>, LCANAS<sup>+07</sup>, LDMH09, MLL<sup>+22</sup>, MRM<sup>+14</sup>]. **ecosystem**

[MRA<sup>+19</sup>, MRSS02, MGS90, MV10, MKHO96, MBH<sup>+01</sup>, MSI17, MHS<sup>+09</sup>, MLM09, MLHM09, MS00, MSB<sup>+23</sup>, NYL<sup>+17</sup>, ORVES17, OAWAN18, PL01, Peñ03b, PBH<sup>+10</sup>, PBN13, PPD<sup>+12</sup>, QCdS<sup>+07</sup>, REG<sup>+15</sup>, RCS<sup>+11</sup>, RBD<sup>+07</sup>, RGMPR23, RRLS22, RN06, SGWF<sup>+19</sup>, SSL08, SJP10, SBLA10, SRM<sup>+10</sup>, SCB<sup>+07</sup>, STGR<sup>+23</sup>, TTB<sup>+08b</sup>, TCL20, TKWI08, Tit20, TFM03, TS10, Tur99, VBL04, WSS15, WFJ<sup>+15</sup>, WPH<sup>+10</sup>, WPB05, WJPHB15, YFK21, YZX<sup>+23</sup>, YWUK15, ZLKO00, ZLS<sup>+04</sup>, ZWM<sup>+15</sup>, dLLdAWL<sup>+23</sup>, dMGS<sup>+11b</sup>, dMGS<sup>+11a</sup>, dPCS23, TTB<sup>+08a</sup>, TTB<sup>+08b</sup>]. **ecosystem-based**

[HFS<sup>+</sup>20, JHDT12, WFJ<sup>+</sup>15]. **ecosystem-level** [PBN13]. **ecosystem-linked** [SSL08]. **ecosystemic** [YPGE<sup>+</sup>10]. **Ecosystems** [Ano09h, BCS09, Bel09, CM09, FAB<sup>+</sup>09, IGG<sup>+</sup>19, KSE<sup>+</sup>09, BDP<sup>+</sup>06, BH07, BWB<sup>+</sup>09, BHMS09, CSBL<sup>+</sup>15, CCB<sup>+</sup>20, CS04, DM13, Den03, DMF<sup>+</sup>09, Dri11, DP13, DAKV99, GSFP<sup>+</sup>09, GAF15, GML<sup>+</sup>23, GLH13, HAA<sup>+</sup>14, HM06, HPH<sup>+</sup>08, HDA<sup>+</sup>16, HBD<sup>+</sup>18, JAS<sup>+</sup>20, KCPM09, KGL22, Kno04, LDD<sup>+</sup>22, LSS<sup>+</sup>09, Man04, MBCB88, MFS<sup>+</sup>07, MSF<sup>+</sup>07, Mau17, MLK<sup>+</sup>09, MS15, MPN09, MBD<sup>+</sup>09, PS08, QSC<sup>+</sup>15, RK03a, RKK<sup>+</sup>21, Sie88, SPV<sup>+</sup>15, Tan99, TCS15, TMKJ<sup>+</sup>09, TAM<sup>+</sup>13, TSJC07, Was11, Was15, Woo05, YBPS08, diHRA<sup>+</sup>18, FBA09]. **Ectinosomatidae** [GS19]. **Eddies** [PLEF<sup>+</sup>23, RFKC16, WLL06, BRB<sup>+</sup>01, BA04, BNCC15, BF12, BH85, CGG08, CBB<sup>+</sup>22c, CMG15, CSS11, CBT07, DMBHG10, GLY23, HMX<sup>+</sup>23, KM10, Kli10, KBSB18, LLS01, MXC<sup>+</sup>21, MNS<sup>+</sup>24, MTL05, MSS<sup>+</sup>02, MHCR<sup>+</sup>12, NC80, OKdA<sup>+</sup>19, Ric93, ToiF<sup>+</sup>12, WOW<sup>+</sup>14, XWL<sup>+</sup>22, YHLA<sup>+</sup>04, ZSH<sup>+</sup>24, HMS<sup>+</sup>22]. **Eddy** [CED09, RL85, SOB<sup>+</sup>08, BATNP04, BBS21, BBS23, BRR<sup>+</sup>12, BKB85, CDH<sup>+</sup>13, CCRS20, CGG08, CLY22, CCD<sup>+</sup>13, DCD<sup>+</sup>23, GMAMB04, Har05a, Hau84, HZCZ16, JLB<sup>+</sup>08, KZSH85, KDL<sup>+</sup>01, KSD84, LRS<sup>+</sup>03, LBD11, MZK<sup>+</sup>23, ORCH<sup>+</sup>19, OP18, Owe91, QYF<sup>+</sup>24, RLL<sup>+</sup>09, RAE<sup>+</sup>05, RBS<sup>+</sup>09, SC23, SDK84, Sim84, SBD01, TG05, VBM21, WBA<sup>+</sup>22, WLM<sup>+</sup>13, WBB<sup>+</sup>01, XHC<sup>+</sup>20]. **eddy-driven** [CLY22]. **eddy-Ekman** [HZCZ16]. **eddy-induced** [HZCZ16]. **eddy-permitting** [KDL<sup>+</sup>01, WBB<sup>+</sup>01]. **Eddy-resolving** [SOB<sup>+</sup>08]. **edge** [BHK<sup>+</sup>16, BH85, GGG<sup>+</sup>18, Hut81, Hut95, HHK<sup>+</sup>02, KHM<sup>+</sup>88, LMP22, LH08, ZCA21, ZAC<sup>+</sup>23]. **edifice** [GSA<sup>+</sup>20]. **Edited** [Ang79a, Ang80, Ang88, SW81]. **Edition** [Bak83]. **Editor** [Swa76]. **Editorial** [AO79, AO84, Ang85, Ang87, AS89, Ang94, Ano87d, Ano99a, Ano17e, Ano17f, Ano17g, Ano17h, Ano18a, CD87, Har05b, OA81, SA90, SA86a, SA86b, SB69, Swa77, War73, Ano63a, Ano64b, Ano73c, Ano76a, Ano79a, Ano80b, Ano81a, Ano82b, Ano83a, Ano84a, Ano85d, Ano85e, Ano86b, Ano86c, Ano87b, Ano87c, Ano88a, Ano88b, Ano89b, Ano89c, Ano90a, Ano90b, Ano91a, Ano91b, Ano91c, Ano92b, Ano92c, Ano93a, Ano93b, Ano94a, Ano94b, Ano95a, Ano95b, Ano96a, Ano96b, Ano97a, Ano97b, Ano07a, Ano07b, Ano07c, Ano07d, Ano07e, Ano07f, Ano07g, Ano07h, Ano07i, Ano07j, Ano08a, Ano08b, Ano08c, Ano08d, Ano08e, Ano08f, Ano08g, Ano08h, Ano08i, Ano08j, Ano08k, Ano08l, Ano08m, Ano09a, Ano09b, Ano09c, Ano09d, Ano09e, Ano09f, Ano09g, Ano10c, Ano10d]. **Editorial** [Ano10e, Ano10f, Ano10g, Ano10h, Ano10i, Ano11a, Ano11b, Ano11c, Ano11d, Ano11e, Ano11f, Ano12a, Ano12b, Ano12c, Ano12d, Ano12e, Ano12f, Ano12g, Ano12h, Ano12i, Ano12j, Ano13a, Ano13b, Ano13c, Ano13d, Ano13e, Ano13f, Ano17i, Ano17j, Ano17k, Ano18b, Ano18c, Ano18d, Ano18e, Ano18f, Ano18g, Ano18h, Ano18i, Ano19b, Ano19c, Ano19d, Ano19e, Ano19f, Ano19g, Ano19h, Ano19i, Ano20c, Ano20d, Ano20e, Ano20f, Ano20g, Ano20h, Ano20i, Ano20j, Ano20k, Ano20l, Ano21d, Ano21e, Ano21f, Ano21g, Ano21h, Ano21i, Ano21j, Ano21k, Ano21l, Ano21m, Ano22d, Ano22e, Ano22f, Ano22g, Ano22h, Ano22i, Ano22j, Ano22k, Ano22l, Ano22m, Ano22n, Ano22o,

Ano22p, Ano22q, Ano22r, Ano22s, Ano22t, Ano23d, Ano23e, Ano23f, Ano23g].

**Editorial**

[Ano23h, Ano23i, Ano23j, Ano23k, Ano23l, Ano23m, Ano24a, Ano24b, Ano24c].

**Editors** [WR03]. **EDM** [HSGJ23]. **eDNA** [WPA+24]. **Eds**

[Ano13h, Ano13i, Ano13j, Ano13k, Ano14a, Ano14b, Ano14c, Ano14d, Ano14e, Ano14f, Ano14g, Ano14h, Ano14i, Ano14j, Ano14k, Ano15a, Ano15b, Ano15c, Ano15d, Ano15e, Ano15f, Ano15g, Ano15h, Ano15i, Ano15j, Ano15k, Ano15l, Ano16a, Ano16b, Ano16c, Ano16d, Ano16e, Ano16f, Ano16g, Ano16h, Ano16i, Ano16j, Ano17b, Ano17c, Ano17d]. **Eds/publication**

[Ano13h, Ano13i, Ano13j, Ano13k, Ano14a, Ano14b, Ano14c, Ano14d, Ano14e, Ano14f, Ano14g, Ano14h, Ano14i, Ano14j, Ano14k, Ano15a, Ano15b, Ano15c, Ano15d, Ano15e, Ano15f, Ano15g, Ano15h, Ano15i, Ano15j, Ano15k, Ano15l, Ano16a, Ano16b, Ano16c, Ano16d, Ano16e, Ano16f, Ano16g, Ano16h, Ano16i, Ano16j, Ano17b, Ano17c, Ano17d]. **Edward** [Mer65]. **eel**

[GEPC15, PFE10]. **eelpouts** [SM21]. **Effect**

[BD20, CKP+20, CC88, CB17, FC07, GCD97, MRAP22, RTF+05, TŠT+17, WZC20, BPSGP+23, DCM16, HL05, IMM+22, NHH+23, PK02, RKS01, SVL+23, SE08, SE09, VWDF14, VFS+15, WSH+22, YHLA+04]. **effecting**

[WMC+89]. **effectiveness** [JSLA+21]. **Effects**

[CKB+17, CMG15, Cia22, DLD15, FJH10, GAPM16, HMH+15, Hut87, IOGS13, LW13, LFBP+13, MBT07, MPM+17, MCG+02, NTU+14, PCSMC12, PRA+18, RLDC+13, SRFHDH22, SPB+02, STGR+23, ACN01, BTS+15a, BHK+16, BFJ18, CDL+22, CCH+12, DA<sub>v</sub>D+20, F<sub>v</sub>BA+17, GCD+13, GWK17, HCAFD+20, JOGM+10, LGK+93, LDB+02, LAHI10, LS85, MMGL+07, MFS+07, MSF+07, NGLSSG14, NFMCS+22, OAWAN18, OÁSG+16, PJH+15, PKF02, PDAM+15, RGPB+23, SHL13, SE92, SLY+15, SIB+06, TNC+09, TGJT09, TG81, TRP+23, TSJC07, VMV+23, WPB+08, WC15, WBF+21, WST+16, XHC+20, ZK06, ZHF+24, dLLdAWL+23, diHRA+18, MPN09].

**efficiency** [JF13, SHD+21, VBAC+21, XYGJ23]. **Efficient** [FW91]. **effluent**

[Tol85b]. **effluxes** [SIS+14]. **effort** [PAB+21, SOB+08]. **Egg**

[PD15, BD20, HL05, HLP+16, JSdSS+21, LC12, OACB+15, SJJ+03]. **eggs**

[AIA+15, CTP+18, HLS+14a, MMIB10, PHFK14, SMPC+12]. **eiders**

[LRJ+15]. **eight** [CTKF+23]. **eightsii** [GWGR+19]. **Ekman**

[CCD+13, DWH+14, HZCZ16]. **Elasipodida** [GKR20]. **electric** [Szu12].

**electrification** [Bla63]. **electron** [MBCB88]. **elegans** [FB05]. **Eleginus**

[VMH+21]. **Element** [LYZ16, CE84, LJ65, LXC+22]. **Elemental**

[CPPPEAG22, BPA+21, PHK+17, PPHM18]. **elements** [BJ17, CFC+18, FK86, GSPP+20, HF65, IU14, LTJ+15, ORB+18, PLP99, PBP+99, ZNR+24].

**elephant** [CdD+15, DMBHG10, FGS+23, LVGH+15, LSF+17]. **elevation**

[DOP87]. **Elminius** [BB65]. **elongata** [PRA+18]. **elucidate** [KAAK+16].

**Elucidating** [TTB+08b, YAK+08]. **embayment** [DCM16]. **embayments**

[Ang80]. **embedded** [BRG+15]. **emergence** [MV10]. **emergent**

[AGS10, SBLA10]. **emerging** [ÁLC22]. **Emiliania** [RPG+18, STHM02].

**emission** [RVS+21]. **emissions** [BCP09, GLY23]. **emphasis**

[LMT<sup>+</sup>19, TKW06]. **emphasises** [LML<sup>+</sup>23]. **Empirical** [HM00a, GCCY<sup>+</sup>14, MDB<sup>+</sup>20, TCL20]. **enclosed** [BLT<sup>+</sup>15]. **encounter** [HF10, PTF10, PTF12]. **encrasicolus** [BFB<sup>+</sup>20, HPW10, TCF<sup>+</sup>18, TIOM16]. **End** [SHG12, CP10, FRCH15, Hea12, KHL12, MD10, MVV<sup>+</sup>19, RFC<sup>+</sup>15, SGWF<sup>+</sup>19, STM10, SCB<sup>+</sup>07, Ste12, TSJC07]. **End-to-end** [SHG12, FRCH15, Hea12, KHL12, MD10, MVV<sup>+</sup>19, RFC<sup>+</sup>15, SGWF<sup>+</sup>19, STM10, SCB<sup>+</sup>07, Ste12, TSJC07]. **endemic** [RBPGJ<sup>+</sup>20]. **Endemicity** [SSB19]. **endemism** [HTG15]. **Enduring** [HBD<sup>+</sup>21]. **Energetic** [BH85, GAF15, VBAC<sup>+</sup>21]. **Energetics** [JGS90, JFUR20, LL97, ZQWP23, LWT<sup>+</sup>20, WGM<sup>+</sup>24]. **energy** [ACL<sup>+</sup>18, CNT<sup>+</sup>19, CRT<sup>+</sup>22, DCM16, DDK<sup>+</sup>18, GSFP<sup>+</sup>09, HS02, LZL<sup>+</sup>22, LBD11, MGS90, MFS<sup>+</sup>07, MSF<sup>+</sup>07, MFM85, NGLL<sup>+</sup>22, QYF<sup>+</sup>24, QLY<sup>+</sup>22, RBE<sup>+</sup>12, SRT<sup>+</sup>18, SBD01, SDJ14, XD95, XY20]. **energy-rich** [SRT<sup>+</sup>18]. **engineering** [Pir87]. **engineers** [DLL<sup>+</sup>23]. **England** [HHP06, JHDT12, PL09, USH15a]. **English** [Ang79a, BTS<sup>+</sup>15b, BLCL14, PMS<sup>+</sup>15, RMC<sup>+</sup>15, STW<sup>+</sup>15, TAW<sup>+</sup>15, TB15, ALT10, BTS<sup>+</sup>15a, BHLU<sup>+</sup>07, GCD<sup>+</sup>18, LSD<sup>+</sup>15, MAH<sup>+</sup>15]. **Engraulis** [BFB<sup>+</sup>20, BDL08, CGC<sup>+</sup>20, DMC<sup>+</sup>18, EB08, FVLC<sup>+</sup>23, GRB<sup>+</sup>08, HSGJ23, HPW10, PCSMC12, PVA24, SAY<sup>+</sup>16, TCF<sup>+</sup>18, TIOM16, YPGE<sup>+</sup>10, dFKdLZTT17]. **enhance** [NNFL21]. **Enhanced** [HZD<sup>+</sup>23, TSP<sup>+</sup>13, XWL<sup>+</sup>22, XY20, XY21, LK13, LCZ<sup>+</sup>24, TDGY22, vHCY<sup>+</sup>20]. **enhancement** [MTK<sup>+</sup>22]. **enhances** [BGL<sup>+</sup>17]. **Enigmatic** [Wal83]. **enough** [BBLD<sup>+</sup>11]. **Enrichment** [SPK<sup>+</sup>19, AJA<sup>+</sup>22, Har82, PKV18, RTF<sup>+</sup>05, TT05, TDGY22, TŠT<sup>+</sup>17, TSRF14, TKK<sup>+</sup>05]. **enrichments** [FYC05]. **Ensemble** [Hob10, MZGA<sup>+</sup>20, TLH<sup>+</sup>15, VBL<sup>+</sup>09, Woo05]. **ENSO** [WF07, BLR<sup>+</sup>23a, CS03, DNNNN16, HKK12, hHCK01, LYM12, Leh01, LOO22, LSW<sup>+</sup>21, LWBD<sup>+</sup>17, PKP14, RR01, RN02, TWMY08, TTb<sup>+</sup>08b, WF06]. **ENSO-induced** [LOO22]. **enters** [Nof00]. **Entoprocta** [BC19]. **Entrainment** [BBS23, APN<sup>+</sup>15, MTL05]. **entrance** [BC88, NFMCS<sup>+</sup>22, SCHBC<sup>+</sup>22, SAB<sup>+</sup>21]. **entre** [Ber65c]. **ENVIFISH** [BN03]. **Environment** [JSLA<sup>+</sup>21, AMG<sup>+</sup>16, BSW86, BHHS83, BAP<sup>+</sup>22, CNT<sup>+</sup>19, ERT<sup>+</sup>22, FFS<sup>+</sup>20, GCV<sup>+</sup>24, ILA21, KBE<sup>+</sup>22, MAH<sup>+</sup>15, NCC<sup>+</sup>15, NMLBCM<sup>+</sup>01, O'B83, PVA24, PBD<sup>+</sup>88, RLL<sup>+</sup>09, SCB<sup>+</sup>09, SRF<sup>+</sup>19, Sim81, TSH<sup>+</sup>17, Ven12, ZL01, SW81]. **Environmental** [CIL<sup>+</sup>23, CMC<sup>+</sup>16, CCM<sup>+</sup>14, HLSX22, KHP<sup>+</sup>18, LM18, LFBR<sup>+</sup>18, MRH<sup>+</sup>14, PVM<sup>+</sup>20, Pow06, RFS10, dSSDS<sup>+</sup>20, SR15, SSW<sup>+</sup>09, STGR<sup>+</sup>14, ARD<sup>+</sup>03, ABD<sup>+</sup>17, Ang80, AT07, AKH<sup>+</sup>23, BN03, BGB<sup>+</sup>08, BGM<sup>+</sup>99, BBL<sup>+</sup>18, BDE03, BCL<sup>+</sup>09, BFV<sup>+</sup>17, CSV<sup>+</sup>07, CPG08, DDE<sup>+</sup>95, DBR03, DVL<sup>+</sup>99, DMC<sup>+</sup>18, EHG<sup>+</sup>12, FJA<sup>+</sup>21, FRCH15, FSVL10, FPY<sup>+</sup>16, FC05, FDB<sup>+</sup>21, GAF15, GCCY<sup>+</sup>14, GiIKX22, HSGJ23, HMP<sup>+</sup>13, KSE<sup>+</sup>09, KKKY10, KOhL<sup>+</sup>10, LSIC12, LBP15, LEDR<sup>+</sup>22, LLAPG<sup>+</sup>22, MMG<sup>+</sup>13, MRAP22, MFS<sup>+</sup>07, MSF<sup>+</sup>07, MP04, Nag01, NGNV12, PJH<sup>+</sup>15, PCC<sup>+</sup>19, QOS<sup>+</sup>22, RGB<sup>+</sup>17, RvBD<sup>+</sup>22, RSM<sup>+</sup>23, SGL<sup>+</sup>18, SPF<sup>+</sup>23, SBL<sup>+</sup>23, SPMVP05, SST<sup>+</sup>17, SLH<sup>+</sup>19, TNGP22, TGJT09, THP21, VSGD21, VCM04,

VHK03, VHK04, WFD<sup>+07</sup>, WLKM10, WPH<sup>+10</sup>, WBD<sup>+15</sup>, XRC<sup>+15</sup>, YKNO23, YPVP<sup>+22</sup>, Zav99]. **Environmentally** [KQP<sup>+17</sup>, BEP02]. **environments** [BW65, BVB88, DDDT99, Gal17, GGSM<sup>+20</sup>, HDA<sup>+16</sup>, LSMG01, MPV12, MRBS<sup>+24</sup>, Pas22, PTF12, ZHD<sup>+20</sup>]. **enzymatic** [GGQ07]. **enzymatically** [GGA<sup>+05</sup>]. **enzyme** [RMB<sup>+01</sup>]. **enzymes** [SPH83]. **EOF** [Fuk91]. **EOF-based** [Fuk91]. **eOMP** [PPVG12]. **Ephemeral** [Wai21]. **Epibenthic** [EMBS13, JPBB20, CMHM18, LM18, LB20, RLP<sup>+18</sup>, YGMR<sup>+23</sup>]. **epibenthic-sledge** [LB20]. **epibenthos** [JSHB90]. **epilogue** [AS96]. **Epipelagic** [BMN<sup>+99</sup>, BLR<sup>+23a</sup>, BC01, DWNN04, GDI<sup>+09</sup>, INI<sup>+17</sup>, MS17, PBS22, YMA<sup>+17</sup>]. **episodes** [GEP<sup>+08</sup>]. **episodic** [VCSG<sup>+01</sup>]. **equal** [BEI<sup>+20</sup>]. **equation** [AdAK<sup>+18</sup>, McD81a, McD81b]. **equator** [AFH<sup>+11</sup>, CC23]. **Equatorial** [LG23, Luk86, MRRRC73, MY92, PGG<sup>+22</sup>, TLF<sup>+89</sup>, BLR<sup>+23a</sup>, GR17, GHC<sup>+17</sup>, LW85, LG22, MAAS<sup>+00</sup>, MGK<sup>+86</sup>, Nof96, OHC<sup>+17</sup>, OCH<sup>+18</sup>, RFPG15, RPSC22, SO91, TJ73, VMN08, XWW<sup>+21</sup>, ZSI<sup>+05</sup>, FGS<sup>+15</sup>]. **Equatorially** [CSLJ03]. **Equatorward** [KHD22, Kos02]. **Equilibrium** [Fei93]. **era** [GWB14, JvdLL<sup>+15</sup>, MMR<sup>+09</sup>, MHVS19, Was11, CBD<sup>+24</sup>]. **Erignathus** [MSC<sup>+15</sup>]. **Erratum** [Ano94c, HHW22, RG03a, SDS22a, VH09a, VHK04, WF07, Yas07b]. **error** [Oll15, RCGC<sup>+16</sup>]. **Errors** [SA97, YHRT22, GJ00]. **especially** [Bri79]. **Esperanza** [MPTMK22]. **Essai** [Ber65c]. **Establishing** [EBD<sup>+20</sup>]. **establishment** [JLP<sup>+20a</sup>, JLP<sup>+20b</sup>]. **esters** [PAG<sup>+18</sup>]. **estimate** [AIA<sup>+15</sup>, BBMR19, GTNK21, LL97, Mac98, WFS<sup>+15</sup>]. **estimated** [AYK<sup>+05</sup>, EiT<sup>+22</sup>, GSVB23, GDN<sup>+18</sup>, LCJ<sup>+17</sup>, NAH<sup>+21</sup>, SHS<sup>+05</sup>, Ver91, YMA<sup>+17</sup>]. **Estimates** [AHGRAL23, DGMM85, JVJ<sup>+17</sup>, Tur65, APN<sup>+15</sup>, AdAK<sup>+18</sup>, AVK91, CKT<sup>+13</sup>, CDB<sup>+24</sup>, DRD<sup>+07</sup>, HMO<sup>+13</sup>, HHWW20, HHK<sup>+02</sup>, HHB<sup>+22</sup>, LCBN14, LLH<sup>+21</sup>, MLHE23, MLK<sup>+09</sup>, MJC<sup>+17</sup>, PPKR14, SSM<sup>+18</sup>, Tal08]. **Estimating** [ARD<sup>+03</sup>, BBM<sup>+14</sup>, BDLW14, FEGA<sup>+14</sup>, MBF<sup>+14</sup>, OWH14, OIC<sup>+23</sup>, OPH<sup>+24</sup>, CPSM20, KPSA17]. **Estimation** [BBE<sup>+15</sup>, RM93, RL85, AHW99, CSS<sup>+19</sup>, HLCdP19, HHMB<sup>+09</sup>, PVA24, SSL08, SO91]. **estimations** [TAM<sup>+13</sup>]. **ESTOC** [NCH<sup>+07</sup>]. **Estuaries** [USH15a, ARDP14, JGO<sup>+98</sup>]. **estuarine** [AJV<sup>+02</sup>, BBS21, BBS23, CDTM<sup>+21</sup>, LHP<sup>+05</sup>, PMMN<sup>+22</sup>, Pra04, TRP<sup>+23</sup>, ZHF<sup>+24</sup>]. **estuary** [CN22, GEPC15, LHE<sup>+13</sup>, MPSD15, SSM<sup>+90b</sup>, SPMVP05, SEO13, USH15b, BJ90, Ham90, JS90, JGS90, JSHB90, LZG20, SJH<sup>+90</sup>, SC90, SSM90a, SMM<sup>+90</sup>, WL16, ZLR<sup>+07</sup>, ZCH<sup>+17</sup>]. **EU** [BN03]. **EU/Southern** [BN03]. **Eubalaena** [GC09]. **Eucalanidae** [GBG05]. **Eucalanus** [GBG05, MFB<sup>+84</sup>, STS<sup>+12</sup>, THP21]. **eukaryotic** [XLL<sup>+20</sup>]. **Eukrohnia** [MMN12]. **Eulerian** [HLS<sup>+14a</sup>]. **Euopisthobranch** [CES<sup>+19</sup>]. **Euopisthobranchia** [KCBS20]. **Euphausia** [AMY<sup>+23</sup>, DSBP15, FMC<sup>+20</sup>, OTNI20, RBPGJ<sup>+20</sup>, RB20, SBFP21]. **Euphausiacea** [OTNI20, RBPGJ<sup>+20</sup>]. **Euphausiid** [LO21, FP03, GFGGD<sup>+23</sup>, MCG<sup>+02</sup>, PELAA18, RBNJ<sup>+12</sup>]. **euphausiids**

[Ant09, Bri79, GDI<sup>+</sup>09, LMM03, PCH08a, RJT84, RBE<sup>+</sup>12, VDGGD<sup>+</sup>22].  
**euphotic** [HFV<sup>+</sup>98, ILA21, WP91]. **Eurasian** [BS95, RKS<sup>+</sup>15]. **European**  
 [BHE<sup>+</sup>98, BPP<sup>+</sup>98, FLdST98, HM98, LHEB98, OB98, PS98, SHC<sup>+</sup>07,  
 TvW98, dWDB<sup>+</sup>98, vWHdS<sup>+</sup>98, BB65, BFB<sup>+</sup>20, BSC<sup>+</sup>07, BRH<sup>+</sup>05,  
 CMS<sup>+</sup>13, CCHV<sup>+</sup>21, DFM<sup>+</sup>15, GSM<sup>+</sup>17, GEPC15, HHK<sup>+</sup>22, HWLT10,  
 HHH<sup>+</sup>12, HSC<sup>+</sup>16, HG04, HHB<sup>+</sup>22, JTGM10, JCIG18, KDF97, LSH<sup>+</sup>11,  
 MPB<sup>+</sup>23, NCH<sup>+</sup>07, NB87, OACB<sup>+</sup>15, RAB<sup>+</sup>11, SON<sup>+</sup>20, SHC<sup>+</sup>06, TLH<sup>+</sup>15,  
 TLP<sup>+</sup>16, WAH<sup>+</sup>20, YFK21, dIHRA<sup>+</sup>18]. **Eurythenes** [HCV<sup>+</sup>20]. **eutrophic**  
 [KOhL<sup>+</sup>10, LZCZ05, MBCB88, RF17, ZLR<sup>+</sup>07]. **eutrophicated** [BVB88].  
**eutrophication** [GRS08, MPMFL<sup>+</sup>23, RBF<sup>+</sup>09, SÖÜ94b]. **eutrophied**  
 [GLF<sup>+</sup>17]. **evaluate** [BMN19, HSN<sup>+</sup>18]. **Evaluating**  
 [CRT<sup>+</sup>22, DMC<sup>+</sup>18, FVA<sup>+</sup>19, GiIKX22, LHW<sup>+</sup>20, SEW11, XYL<sup>+</sup>22, ZGZ19].  
**Evaluation**  
 [DLM91, JJA<sup>+</sup>08, KSY<sup>+</sup>19, MDL<sup>+</sup>12, RMG90, RMK<sup>+</sup>21, AASJ23, CTKF<sup>+</sup>23,  
 KAH<sup>+</sup>16, NNO<sup>+</sup>14, PJH<sup>+</sup>15, SOA<sup>+</sup>23, VPH<sup>+</sup>12, XY21, YYT<sup>+</sup>14, ZLR<sup>+</sup>07].  
**evaporation** [MJWK07]. **event** [BDTC15, CBB<sup>+</sup>19, CNBD21, FWBC02,  
 JLP<sup>+</sup>20a, JLP<sup>+</sup>20b, JIT<sup>+</sup>01, KiL14, KS15, Lav09, LWBD<sup>+</sup>17, MG02,  
 MPMFL<sup>+</sup>23, RCC<sup>+</sup>18, RN02, SW22, VBVYT05, WLM07, WZ04, YBPS08].  
**events** [ACL<sup>+</sup>18, ABP15, BLMR<sup>+</sup>20, CBD<sup>+</sup>24, FELMGM<sup>+</sup>22, hHCK01,  
 JHM<sup>+</sup>22, KM22, MCG<sup>+</sup>02, PKF02, PBBH<sup>+</sup>22, PLN<sup>+</sup>23, SGL<sup>+</sup>17, SMdG02,  
 STR01, SKT01, VKT15, VDGGD<sup>+</sup>22, WLCG23]. **ever** [UKK<sup>+</sup>19]. **Evidence**  
 [Bea04, DJW<sup>+</sup>18, FAH<sup>+</sup>13, Hog85, ILA21, IS19, KSG<sup>+</sup>17, LML<sup>+</sup>23, LXC<sup>+</sup>22,  
 Ola65b, SM16, SSW<sup>+</sup>09, SCS87, TWAL<sup>+</sup>11, TKWI08, UCB<sup>+</sup>18, VCSG<sup>+</sup>01,  
 WFD<sup>+</sup>07, ZNR<sup>+</sup>24, BB14, HM90, HM00a, HCGK11, IHY<sup>+</sup>01, IL20, Kag97,  
 KBHML17, MBT07, MTL05, MCGS<sup>+</sup>16, PAF<sup>+</sup>11, RK20, RBL90, SPH<sup>+</sup>15a,  
 SHF01, TRLA<sup>+</sup>13, WWL<sup>+</sup>22, YCP<sup>+</sup>12, WHBW03]. **evidenced**  
 [GdRGL<sup>+</sup>01, UPPS<sup>+</sup>21]. **Evolution**  
 [DB02, MFM85, SI97, BVJE19, CHG<sup>+</sup>18, DW02, DCL<sup>+</sup>13b, GLPC23,  
 HHB<sup>+</sup>00, ILI<sup>+</sup>12, Jer65, JW01a, Kag97, KBSB18, Lon85, LB02, MNS<sup>+</sup>24,  
 NW87, NC80, ÖÜT93, SN24, STB<sup>+</sup>92, SMdG02, SK21, SV97, ZHF<sup>+</sup>24].  
**evolutionary** [BCL<sup>+</sup>09, HS22, MJD<sup>+</sup>21]. **exacerbates** [LHC<sup>+</sup>21].  
**examination** [AHGRAL23]. **examine** [PYKF15]. **Examining**  
 [SRM<sup>+</sup>10, WSL20]. **example**  
 [DAKV99, FVA<sup>+</sup>19, FC05, LHF<sup>+</sup>16, LPF23, MZF<sup>+</sup>08]. **Examples**  
 [CJMO87, CHG<sup>+</sup>18, Sei63]. **exceeds** [LHW<sup>+</sup>20]. **exceptional**  
 [CBB<sup>+</sup>19, CBB<sup>+</sup>22a, FBB<sup>+</sup>21, LLS01, MPMFL<sup>+</sup>23]. **Excess**  
 [Gam14, MRO<sup>+</sup>08]. **Exchange**  
 [BCK94, BBF<sup>+</sup>22, vWMH98, ARDP14, BBS21, BBS23, BS95, BCR<sup>+</sup>13,  
 Hut95, HHB<sup>+</sup>22, KAG<sup>+</sup>19, LTSG13, RDC<sup>+</sup>21, VGLCS06, WDMMK89,  
 WBA<sup>+</sup>22, WC15, WH89, WST<sup>+</sup>16, YN20, ZAC<sup>+</sup>23, ZMW<sup>+</sup>23, dIPH<sup>+</sup>15].  
**exchanges** [BATNP04, CdMS<sup>+</sup>18, EMK<sup>+</sup>17, HØ00, JOBT05, LLH<sup>+</sup>21,  
 LZG20, PMC21, Rud89]. **excitation** [SF15]. **exclusive** [ZMCD11].  
**excursions** [NB87]. **exercise** [PPPdS20]. **exhibiting** [BB14]. **existing**  
 [DTC<sup>+</sup>06]. **exogenous** [PVA24]. **exopolymer**

[MPM<sup>+</sup>17, ORMR<sup>+</sup>19, Pas22, RTF<sup>+</sup>05]. **Expansion**  
 [RSB<sup>+</sup>15, BCT<sup>+</sup>09, OBD<sup>+</sup>20]. **expatriates** [OWR<sup>+</sup>07]. **expedition**  
 [CP19, MPTMK22, NBR<sup>+</sup>08, SKF20]. **expeditions** [Wüs64]. **expendable**  
 [Mol22]. **experienced** [FG16]. **Experiment** [AYK<sup>+</sup>05, KNI<sup>+</sup>05, MGK<sup>+</sup>86,  
 BBM<sup>+</sup>14, FHL<sup>+</sup>24, GCZ<sup>+</sup>00, KIS<sup>+</sup>05, LFCSV<sup>+</sup>13, MWJ<sup>+</sup>08, NH88b,  
 NKK<sup>+</sup>05, PLJR22, RF17, STB<sup>+</sup>92, TT05, VSA<sup>+</sup>21, dJSL<sup>+</sup>20].  
**experimental** [SFAD<sup>+</sup>90, SEW11, SPN98, ZKK<sup>+</sup>16]. **experimentation**  
 [CDS90, SFAD<sup>+</sup>90]. **Experiments** [IST<sup>+</sup>88, RD11, BRB<sup>+</sup>01, FB01,  
 GAM98a, GAM98b, HHP06, JIT<sup>+</sup>01, Leg91, LGG18, McD81b, NHS<sup>+</sup>14,  
 ÖHÜ89, SMGL01, SCLS10, SPK<sup>+</sup>19, YN03a, YN03b]. **expert** [YRKC08].  
**explain** [BM01, LBP<sup>+</sup>21, MHGGS19, XWL<sup>+</sup>18]. **explained** [SKH<sup>+</sup>23].  
**Explaining** [NGPH10]. **explanation** [Dea85, Due77]. **explicit**  
 [BDL08, CMS<sup>+</sup>13, LLS01]. **exploitable** [LAP10]. **exploitation** [PL09].  
**exploited** [hHRW<sup>+</sup>05]. **exploration** [BHMS09]. **exploratory** [PKP14].  
**explored** [MCGS<sup>+</sup>16, WZC20]. **Explorers** [GBB96]. **Exploring**  
 [ADV<sup>+</sup>18, CLCBB19, LSF<sup>+</sup>17, MRH<sup>+</sup>18, RDG<sup>+</sup>21, RDP<sup>+</sup>21, WSS15,  
 ZCA21, BPSGP<sup>+</sup>23, LFG10]. **Export**  
 [AYK<sup>+</sup>05, Law04, AAMB<sup>+</sup>24, BEI<sup>+</sup>20, BT07, CWZ<sup>+</sup>20, DCKB13, GMAB07,  
 HLM<sup>+</sup>13, HGH<sup>+</sup>19, HPZC21, KLB<sup>+</sup>21, KV13, LBNBM13, LvIKB07,  
 MMG<sup>+</sup>11, NNFL21, PHK<sup>+</sup>17, RWOA01, Rud89, TLM<sup>+</sup>17, TDK<sup>+</sup>16,  
 WGZZ19, WHBW03, WPW<sup>+</sup>14, YHM<sup>+</sup>18, YSN20, ZDM<sup>+</sup>20, JST<sup>+</sup>24].  
**EXPORTS** [JST<sup>+</sup>24]. **exposed** [YGMR<sup>+</sup>23]. **extended**  
 [CN22, Fei03, Fei04, HHWW20, PPVG12]. **extends** [KGB<sup>+</sup>23]. **extension**  
 [Tom81b, LMC<sup>+</sup>20, QNK<sup>+</sup>22, WCX<sup>+</sup>21, WWZ19, YTNK00]. **Extensive**  
 [HTG15, Hut92, INI<sup>+</sup>17, SDL<sup>+</sup>19]. **extent** [DLD<sup>+</sup>19, GTS<sup>+</sup>21, HKN<sup>+</sup>14].  
**external** [ZGZ19]. **externe** [Ber65c]. **extinct** [RPRCAG<sup>+</sup>21]. **extinction**  
 [CMF11]. **Extraction** [Coo69]. **extraneous** [AF10]. **Extrapolation**  
 [GMDS20]. **Extreme** [MPMFL<sup>+</sup>23, BBB<sup>+</sup>21, FDB<sup>+</sup>21, GPEV20, KM22,  
 LEDR<sup>+</sup>22, PKA19, RHB23]. **extremes** [CBB<sup>+</sup>22a, OWH14, ŠPM<sup>+</sup>22].  
**extremite** [Bou65].

**F** [Ang80, Ang88]. **face** [LOO22]. **facies** [Ike88]. **facilitating** [GBC<sup>+</sup>15].  
**facing** [ORPRGIS22, TTF<sup>+</sup>22, Val99b]. **factor** [BWMGCB08, CGD<sup>+</sup>18].  
**Factors**  
 [BPP<sup>+</sup>98, FPIJ85, LZCZ05, STF<sup>+</sup>13, SNMW10, AH10, CMC<sup>+</sup>16, CPG08,  
 CVBG21, DDE<sup>+</sup>95, GiIKX22, HBV<sup>+</sup>99, HYM<sup>+</sup>12, HKPV12, HMKF08,  
 HFO90, Li14, LLGS21, MVN<sup>+</sup>15, MRAP22, MS17, MRH<sup>+</sup>14, NCC<sup>+</sup>15].  
**facts** [Hic79]. **faecal** [RWOA01, WYT00]. **faeces** [FGL<sup>+</sup>23]. **failures**  
 [KMOM88]. **Falkland** [WR00]. **fall** [BDC<sup>+</sup>08]. **family**  
 [MKD90, MMK19, MSFZ19]. **far** [RSG06]. **Farallones** [JSA<sup>+</sup>08, WDMC02].  
**farm** [CTA16, FvBA<sup>+</sup>17]. **Faroe** [HØH<sup>+</sup>03, HØ07]. **fast** [CTP<sup>+</sup>18]. **fat**  
 [GA10]. **fate** [BPNB90, JW01a, OWR<sup>+</sup>07]. **Fatty**  
 [RBPJG<sup>+</sup>20, WOW<sup>+</sup>14, CSG<sup>+</sup>15, CDP14, GVKD<sup>+</sup>13, KO19, KSG<sup>+</sup>17,  
 LSV14, MRBS<sup>+</sup>24, MFDH22, PPHM18, SBC<sup>+</sup>16, WPB<sup>+</sup>08, YGL<sup>+</sup>10]. **fauna**

[BS90, CGM<sup>+02</sup>, CMM<sup>+04</sup>, DHB<sup>+21</sup>, FJ19, FTHK19, GHSC19, KSB<sup>+22</sup>, NRA<sup>+21</sup>, SSB20a, TJ90]. **faunal** [GIC20, HM90, PGGG17, dJSL<sup>+20</sup>]. **faunas** [HM90, SPB19, SCS87]. **favorable** [FAAV<sup>+15</sup>]. **Fe** [GHG<sup>+24</sup>, WH20, ZNR<sup>+24</sup>]. **feasible** [TSL10]. **feature** [DCD<sup>+23</sup>, PHKS01]. **features** [BAARB05, BSA06, CB06, CFM<sup>+18</sup>, CdTH<sup>+16</sup>, CdD<sup>+15</sup>, Ken88, KSK21, Kra69, KAAK<sup>+16</sup>, Lie86, LLH<sup>+20</sup>, STC10, TZP<sup>+00</sup>, WR00, XYL<sup>+22</sup>, Zez90]. **February** [Ano22-27, Ano00d, Ano03e, Ano08s, Ano13l, Ano15n, Ano16p, Ano17m, Ano18j, Ano19m, Ano20m, Ano21n, Ano22u, Ano23n, Ano24d, YYC<sup>+18</sup>]. **Fecal** [SE92, Tur15]. **Fecundity** [AVK91, JSdSS<sup>+21</sup>]. **feed** [BBLD<sup>+11</sup>, Mae88]. **feedback** [Bak01, KV13]. **feedbacks** [DFC<sup>+21</sup>]. **Feeding** [BHS<sup>+15</sup>, CSM<sup>+15</sup>, FLdST98, SCAA07, SMN<sup>+13</sup>, SPK<sup>+22</sup>, BOMdP15, BSH<sup>+20</sup>, BMG<sup>+19</sup>, BPSN<sup>+21</sup>, CNT<sup>+19</sup>, CCG07, CPO<sup>+19</sup>, CPG08, CCS<sup>+21</sup>, CCM<sup>+14</sup>, DM13, DAF<sup>+22a</sup>, DAF<sup>+22b</sup>, GBM<sup>+01</sup>, GA10, GD91, GSC<sup>+20</sup>, HWBT03, IVR<sup>+13</sup>, KTIT22, KSB<sup>+22</sup>, KVNT20, LdSH<sup>+15</sup>, LRJ<sup>+15</sup>, OTNI20, Roe84a, RB84, SE92, VWDF14, WHBW03, YHLA<sup>+04</sup>]. **female** [Nie07]. **females** [ATT<sup>+08</sup>]. **Fernández** [MPM<sup>+18</sup>]. **Ferrol** [CVHM<sup>+18</sup>]. **ferromanganese** [Gri22, VCM04]. **fertilisation** [Qiu15]. **fertilization** [Peñ03a, SSH<sup>+05</sup>, SHS<sup>+05</sup>, TSNO05, YFY05, ZCD08]. **fertilized** [TNS<sup>+05</sup>]. **FESOM** [SKWWGV18]. **FGGE** [MGK<sup>+86</sup>, MFM85]. **Fidji** [Rot65]. **Field** [HCGK11, YCP<sup>+12</sup>, BKB85, CCH<sup>+12</sup>, Emi65, FTG<sup>+11</sup>, HPLP05, Jac10, JST<sup>+24</sup>, KSY<sup>+19</sup>, LRS<sup>+03</sup>, ORCH<sup>+19</sup>, RAE<sup>+05</sup>, STB<sup>+92</sup>, TM13, WPB<sup>+08</sup>, XLX<sup>+20</sup>]. **fields** [AR18, BJMP19, BJMP20, KM22, MFM85, RL85]. **fifty** [HDZY15]. **Fiji** [Rot65]. **Filament** [ILI<sup>+12</sup>, ÁSDB<sup>+01</sup>, ABT<sup>+04</sup>, BIST01, BATNP04, BFH01, FRK<sup>+09</sup>, GMAMB04, HHB<sup>+01</sup>, HPS<sup>+01</sup>, HCAFD<sup>+20</sup>, JIT<sup>+01</sup>, NIF<sup>+15</sup>, QYF<sup>+24</sup>]. **filament-eddy** [BATNP04, GMAMB04]. **filament-like** [HCAFD<sup>+20</sup>]. **filaments** [BA04, KCPM09, SFMA20, YHLA<sup>+04</sup>]. **Filipjev** [MSFZ19]. **filter** [MZGA<sup>+20</sup>]. **final** [Ano94k]. **find** [PPPdS20]. **Finding** [TRLA<sup>+13</sup>]. **Fine** [AGD<sup>+18</sup>, CTF07, DRVMC<sup>+22</sup>, DIQJ21, JHW<sup>+14</sup>, MCB<sup>+90</sup>, NBLI20, SWP<sup>+13a</sup>, GBC<sup>+16</sup>, LL21, Sie69]. **Fine-scale** [AGD<sup>+18</sup>, CTF07, DIQJ21, JHW<sup>+14</sup>, MCB<sup>+90</sup>, NBLI20, GBC<sup>+16</sup>, LL21]. **finer** [BMGN15]. **finger** [Sch03, YN03b]. **fingering** [Kun03]. **finite** [XY21]. **finmarchicus** [BMK12, BTNK13, DBM17, GHF<sup>+21</sup>, GPC<sup>+03</sup>, HMP<sup>+13</sup>, HRA<sup>+08</sup>, HBR11, MRH<sup>+14</sup>, SDH<sup>+14</sup>, SAB<sup>+21</sup>, UB10, WBC<sup>+22</sup>, WSH15]. **First** [GHSC19, MDR20, PSP<sup>+21</sup>, PMFNGQ21, War06, AM19, AV23, BC19, CLMR23, MWS<sup>+10</sup>, PMMN<sup>+22</sup>, WHG<sup>+16</sup>, YTL<sup>+19</sup>, MGK<sup>+86</sup>]. **Fish** [ESA<sup>+13</sup>, GIHJ23, ICB<sup>+19</sup>, LBC<sup>+15</sup>, SGF<sup>+19</sup>, ARD<sup>+03</sup>, AHP19, AIA<sup>+15</sup>, ASB<sup>+08</sup>, Bak01, BBLD<sup>+11</sup>, BFB<sup>+20</sup>, BECR<sup>+22</sup>, BJ90, BCL<sup>+09</sup>, BAP<sup>+22</sup>, BFV<sup>+17</sup>, BB10, BHMS09, CIL<sup>+23</sup>, CJRÁ<sup>+13</sup>, CBOP15, CTP<sup>+18</sup>, CRF<sup>+10</sup>, CCB<sup>+20</sup>, DWNN04, DDK<sup>+18</sup>, Dol09, DPH<sup>+18</sup>, DHHP18, DPM<sup>+09</sup>, EAB<sup>+23</sup>, ERT<sup>+22</sup>, FTC<sup>+16</sup>, FARRL<sup>+13</sup>, FFS<sup>+20</sup>, FGGDF<sup>+04</sup>, GMR<sup>+23</sup>,



GD85, GRD<sup>+23</sup>, GFB<sup>+15b</sup>, GFB<sup>+15a</sup>, GCG<sup>+14</sup>, GDM<sup>+15</sup>, GAPM16, HM90, HLS<sup>+14a</sup>, HHW01, HHW22, HAA<sup>+14</sup>, HSL96, KSVT00, KSS<sup>+23</sup>, KYS<sup>+17</sup>, LSY<sup>+14</sup>, LAP10, LLAPG<sup>+22</sup>, LSIB23, MRM<sup>+14</sup>, MPMFL<sup>+23</sup>, MRAP22, MEST13, MKB00, MLHE23, MHS<sup>+09</sup>, MAFS<sup>+22</sup>, MVBC<sup>+21</sup>, NHH<sup>+23</sup>, NPO<sup>+19</sup>, OMR<sup>+22</sup>, OMK<sup>+22</sup>, OPH<sup>+24</sup>, ORB<sup>+18</sup>, POS<sup>+07</sup>, PRTC13, PAB<sup>+21</sup>, PHFK14, PCR<sup>+22</sup>, QLW10, ROBRB<sup>+22</sup>, RTBR<sup>+22</sup>, RBHLA04, RB84, RFC<sup>+15</sup>, RG94, RBE<sup>+12</sup>, RSB<sup>+13</sup>, SOS<sup>+07</sup>, SKH<sup>+23</sup>, SCD<sup>+07</sup>, SCHD23, SLPA<sup>+20</sup>, SCC<sup>+19</sup>, SEG<sup>+22b</sup>, TCL20]. **fish** [TKW06, TS10, THM<sup>+14</sup>, UKK<sup>+19</sup>, WWL<sup>+22</sup>, XYL<sup>+22</sup>, YAK<sup>+08</sup>]. **fish-induced** [TS10]. **fish-killing** [MPMFL<sup>+23</sup>]. **fish-mediated** [MLHE23]. **fisheries** [BN03, BBSN04, BECA22, BDE03, CLB<sup>+13</sup>, CRT<sup>+22</sup>, CWS<sup>+21</sup>, CLO3, FFA06, FPS<sup>+13</sup>, Hea12, JPM<sup>+08</sup>, JOGM<sup>+10</sup>, JHDT12, JBH20, KN10, KN11, LNB13, LMP22, MEST13, MBF<sup>+14</sup>, MCB<sup>+10</sup>, MCG<sup>+14</sup>, ML09, MPN09, ORPRGIS22, RSK<sup>+23</sup>, SRAV19, SJP10, SBM<sup>+23</sup>, TCF<sup>+18</sup>, THM<sup>+14</sup>, WWL<sup>+22</sup>, WLKM10, YBS<sup>+01</sup>, ZLKO00, ZLS<sup>+04</sup>]. **fisheries-based** [FFA06]. **fishermen** [JBB<sup>+14</sup>]. **fishers** [BDT<sup>+08</sup>]. **fishery** [ACN01, BW08, BMN19, FBM<sup>+08</sup>, GRDS10, INI<sup>+17</sup>, JBB<sup>+14</sup>, KHL12, MCL<sup>+15</sup>, OIC<sup>+23</sup>, PWZ<sup>+16</sup>, RS04, TNGP22]. **fishery-dependent** [OIC<sup>+23</sup>]. **fishes** [ACB<sup>+13</sup>, BM76, BLI<sup>+99</sup>, BOMdP15, CRT<sup>+22</sup>, DCKB13, EKB06, EBD<sup>+20</sup>, ESD<sup>+21</sup>, Hob10, hHRW<sup>+05</sup>, Kos93, MGS90, MS17, MM80, MMPG07, OHC<sup>+17</sup>, OCH<sup>+18</sup>, OT19, PSA<sup>+19</sup>, SGF<sup>+19</sup>, SLBVRR<sup>+22</sup>, SBL<sup>+23</sup>, SKF20, SPK<sup>+22</sup>, TCF<sup>+18</sup>]. **Fishing** [GCF<sup>+19</sup>, SENS13, AKAL20, BDL08, ERT<sup>+22</sup>, GAF15, LML<sup>+23</sup>, MVV<sup>+19</sup>, NHS<sup>+14</sup>, PG10, QLW10, SSI13, TKW06, TSJC07, VBJ<sup>+20</sup>, WJPHB15]. **fit** [GCCY<sup>+14</sup>]. **fitness** [LLAPG<sup>+22</sup>]. **five** [BJMP19, BJMP20, DHC<sup>+20</sup>, DAF<sup>+22a</sup>, DAF<sup>+22b</sup>, DSAB20, GSFP<sup>+09</sup>, HSG<sup>+15</sup>, HSC<sup>+16</sup>, LS15, LWY07]. **fixation** [LFBR<sup>+18</sup>, NHH<sup>+23</sup>, WCC<sup>+20</sup>, WFBN<sup>+13</sup>, ZCD08]. **Fixed** [CNBD21]. **Fixed-point** [CNBD21]. **Fjord** [MSV<sup>+14</sup>, BRR<sup>+22</sup>, CKB<sup>+17</sup>, FB05, GHVG19, HWPLvW20, KYT<sup>+16</sup>, KSKN21, LSV14, LHP<sup>+05</sup>, LWT<sup>+20</sup>, MTC14, PTM<sup>+22</sup>, PVM<sup>+20</sup>, RBL<sup>+19</sup>, RPSVLS14, SWZS<sup>+21</sup>, SST<sup>+17</sup>, SPW22, VLCCP14, WZBK<sup>+21</sup>, ZHSMM14, ZCLS20]. **Fjords** [FF83, IPD14, KMSTK23, SV14, CCM<sup>+14</sup>, CBPS<sup>+22</sup>, CTI<sup>+19</sup>, GHVG19, GCD<sup>+13</sup>, IPF23, MPMFL<sup>+23</sup>, PMA<sup>+14</sup>, PSGVS<sup>+14</sup>, PTPY<sup>+23</sup>, QOS<sup>+22</sup>, SPF<sup>+23</sup>, VNH<sup>+23</sup>]. **flapping** [Ric22, SSB14]. **flat** [DOP87]. **Flatfish** [WHI<sup>+02</sup>]. **fleet** [GRDS10, PPSV<sup>+18</sup>]. **flemingeri** [Mil88]. **Flexible** [CdD<sup>+15</sup>, BPA<sup>+21</sup>]. **flexible-stoichiometry** [BPA<sup>+21</sup>]. **Flexicover** [Hof81]. **flight** [Sac16, SSB14]. **float** [RBS<sup>+20</sup>, RBS<sup>+22</sup>, Ric93, RLC85]. **Floating** [PHFK14]. **floats** [KSK21, LS20, Owe91, PL18, RBZ00, ZBLF23]. **flood** [Whe06]. **flood-dominated** [Whe06]. **floods** [FBB<sup>+21</sup>]. **floor** [SW65, TCL<sup>+15</sup>, WGCS13, vHCY<sup>+20</sup>]. **Florida** [KAK<sup>+22b</sup>, AC85, LW12, MZ14, RLL<sup>+09</sup>, RLGC10, WWL<sup>+22</sup>]. **Flow** [Rei86, Rei89, Rei94, BBS21, BBS23, BHPC06, CSLJ03, CTP<sup>+18</sup>, Dav85, FAAF88, FMWW14, GL06, GD91, HCAFD<sup>+20</sup>, HKGH<sup>+06</sup>, Hol00, HSH97, HS02, JFEC13, LSM<sup>+22</sup>, LGL<sup>+18</sup>, MMGL<sup>+07</sup>, MFS<sup>+07</sup>, MSF<sup>+07</sup>, MTL05,

Nof03, PLB<sup>+23</sup>, Rei97, Rei03, RBE<sup>+12</sup>, Sak86, SHS<sup>+05</sup>, TMN<sup>+12</sup>, TM13, TWMY08, TG05, THM<sup>+06</sup>, TSP<sup>+13</sup>, Wun24, dJSL<sup>+20</sup>, vAB96, BBF<sup>+22</sup>].

**flow-through** [HSH97]. **flowing** [FZ88]. **flows** [FTG<sup>+11</sup>, GvOSW11, KCL<sup>+12</sup>, Mil14, NGLL<sup>+22</sup>, Pra04, SDJ14, TMPM<sup>+16a</sup>, TMKJ<sup>+09</sup>, TFM03, VBL04]. **fluctuation** [FWL<sup>+15</sup>, RI86].

**fluctuations** [AMG<sup>+16</sup>, BBL<sup>+18</sup>, CSMGS19, CD65, DL69, Don65, LFI<sup>+13</sup>, NH88a, QLY<sup>+22</sup>, RCD<sup>+94</sup>, RFS10, SLG<sup>+12</sup>, Seg69, SEG22a, SDO<sup>+14</sup>, TMN<sup>+12</sup>, TRLA<sup>+13</sup>, Zen08]. **fluid** [GD91]. **fluids** [MSV<sup>+14</sup>]. **fluorescence** [MZ14, MSMH19, SAT<sup>+22</sup>]. **fluorescent** [GLAHH<sup>+22</sup>, MPCNC<sup>+19</sup>, XYGJ23, YTB<sup>+21</sup>]. **fluvial** [Pow06]. **fluviale** [Ber65c]. **flux** [AGL<sup>+15</sup>, BSC<sup>+19</sup>, BSW86, BRG<sup>+23</sup>, BS02, CKP<sup>+20</sup>, CHC<sup>+12</sup>, DDD<sup>+00</sup>, DOS<sup>+18</sup>, DRD<sup>+07</sup>, FUOG<sup>+16</sup>, HLM<sup>+13</sup>, HDB13, Jón07, KGB<sup>+23</sup>, KSP<sup>+23</sup>, LPA92, Law04, MMG<sup>+11</sup>, MDC<sup>+07</sup>, NMK<sup>+03</sup>, ORW<sup>+01</sup>, Oil15, PG13, RCS<sup>+11</sup>, SLBVR<sup>+22</sup>, SPG<sup>+06</sup>, SG91, SW01, SDS<sup>+22b</sup>, SW65, TRLA<sup>+13</sup>, TSG<sup>+04</sup>, TWBC<sup>+13</sup>, VK90, WZFW16, WCB20a, WYT00, WRH<sup>+06</sup>, WHBW03, WBH15, XCH<sup>+16</sup>, YHM<sup>+18</sup>, ZPY<sup>+20</sup>]. **flux-rich** [TRLA<sup>+13</sup>]. **Fluxes** [FPD<sup>+01</sup>, AAML22, ÁSDB<sup>+01</sup>, AYK<sup>+05</sup>, ABT<sup>+04</sup>, AT07, BIST01, CFG07, CF12, DDDT99, DVB<sup>+18</sup>, EHS12, FLUC08, GDI<sup>+09</sup>, GCD<sup>+13</sup>, GIPG17, GBB<sup>+19</sup>, GLLB22, Hea12, HMKF08, KKS<sup>+18</sup>, KNSN<sup>+09</sup>, KZSH85, KF11, KHC<sup>+99</sup>, KFC<sup>+23</sup>, KTB<sup>+99</sup>, KSPK99, LBNBM13, LBP<sup>+21</sup>, LGZ<sup>+20</sup>, LvIKB07, LFCSV<sup>+13</sup>, LDHW20, MHGP06, MLD<sup>+03</sup>, MFM85, MSL<sup>+07</sup>, NFMCS<sup>+22</sup>, NIF<sup>+15</sup>, OKdA<sup>+19</sup>, PGLG<sup>+05</sup>, RCB<sup>+20</sup>, RAP95, RGI05, RGE22, RCSVGP<sup>+16</sup>, SLBR18, SCCJ<sup>+18</sup>, SBB<sup>+22</sup>, SCT<sup>+00</sup>, TFY02, TCDPP<sup>+22</sup>, TSC03, TDK<sup>+16</sup>, TDL<sup>+17</sup>, TSP<sup>+13</sup>, WJE<sup>+92</sup>, ZFSV<sup>+09</sup>, diPHF<sup>+15</sup>]. **fly** [Ric22]. **flying** [ATT<sup>+08</sup>, IIS<sup>+17</sup>].

**FOCE** [SPK<sup>+19</sup>]. **focus** [BZD<sup>+21</sup>, DRVMC<sup>+22</sup>, Rud15, SPF<sup>+23</sup>, SJM<sup>+19</sup>, TTB<sup>+08b</sup>]. **follow** [VKGP<sup>+13</sup>]. **following** [PBBH<sup>+22</sup>]. **Fonera** [PGLG<sup>+05</sup>]. **Food** [Bon88, CLSD18, CW06, CFML22, GvOSW11, GWK17, IBW<sup>+01</sup>, JE92, OPG<sup>+10</sup>, WRH<sup>+06</sup>, AHW<sup>+15</sup>, BHA<sup>+14</sup>, BAOC<sup>+07</sup>, CLSP17, CP10, CBC<sup>+06</sup>, CPPPEAG22, CSV<sup>+07</sup>, CSBL<sup>+15</sup>, CSC<sup>+12</sup>, DJW<sup>+18</sup>, DY0<sup>+10</sup>, DTOD00, DKRL22, DWC06, FMC<sup>+15</sup>, FVLC<sup>+23</sup>, FTG<sup>+11</sup>, GAF15, GSVB23, GSM<sup>+17</sup>, Hea12, HKGH<sup>+06</sup>, HNL14, iIYO<sup>+10</sup>, LK13, LLL<sup>+11</sup>, LCBN14, LZF<sup>+24</sup>, MRA<sup>+19</sup>, MGC<sup>+18</sup>, MCH<sup>+12</sup>, NYL<sup>+17</sup>, NMC<sup>+09</sup>, PVG<sup>+20</sup>, Peñ03a, PG10, Pow06, RMC<sup>+15</sup>, RBE<sup>+12</sup>, SBMB18, SH09, SJJ<sup>+03</sup>, SSM90a, ŠGM<sup>+18</sup>, SHC<sup>+06</sup>, SHC<sup>+07</sup>, SRT<sup>+18</sup>, SLY<sup>+15</sup>, SDJ14, TNGP22, TR99, TSS<sup>+12</sup>, TFM03, VGJ<sup>+19</sup>, Was06, YAK13, ZHSMM14, ZBRJ23, dJSL<sup>+20</sup>].

**food-mediated** [GSM<sup>+17</sup>]. **Food-web** [OPG<sup>+10</sup>, CP10, CSBL<sup>+15</sup>, MGC<sup>+18</sup>, dJSL<sup>+20</sup>]. **foot** [vHVAT22].

**Footnote** [SDS22a]. **Footprints** [MGWZ20]. **forage** [ASB<sup>+08</sup>, BBLD<sup>+11</sup>, BHMS09, CRT<sup>+22</sup>, DDK<sup>+18</sup>, EKB06, GMR<sup>+23</sup>, OMK<sup>+22</sup>, PSA<sup>+19</sup>, PHKS01, RBE<sup>+12</sup>]. **Foraging** [FDB<sup>+21</sup>, NRS<sup>+19</sup>, STC10, WLKM10, YSS14, BMG<sup>+21a</sup>, CdTH<sup>+16</sup>, DMBHG10, LSF<sup>+17</sup>, LBC<sup>+23</sup>, MHR<sup>+10</sup>, STEB16, SWP<sup>+13a</sup>, SWZS<sup>+21</sup>].

**foraminifer** [AT07]. **foraminifera** [KGdS<sup>+</sup>08, Par65, Phl65, Sai65].  
**Foraminiferal** [Ban65, CBL<sup>+</sup>19, DSC<sup>+</sup>19, GBB96, GA01, LvIKB07, NFMCS<sup>+</sup>22, SBG16, Wil65]. **foraminifers** [AOMZ<sup>+</sup>23]. **Forbes** [Mer65].  
**Forbes-Manxman** [Mer65]. **forced** [CPSM20, CD07, DWH<sup>+</sup>14, Hol00, LPF<sup>+</sup>21, LO85, SFMT12]. **Forcing** [LSD<sup>+</sup>18, SFMT14, WLD<sup>+</sup>15, AALM06, AC85, AHW99, ASB<sup>+</sup>08, BLT<sup>+</sup>15, BDT<sup>+</sup>08, BGB<sup>+</sup>08, BSW86, BPSGP<sup>+</sup>23, Cai95, CBC<sup>+</sup>06, CPC<sup>+</sup>15, CS06, CAB<sup>+</sup>99, DLM<sup>+</sup>12, DMC<sup>+</sup>18, DPM<sup>+</sup>09, DMF<sup>+</sup>09, DCL<sup>+</sup>13a, DP13, FZ88, FBS22, GAF15, GPC<sup>+</sup>03, GEP<sup>+</sup>08, Kaz17, KSE<sup>+</sup>09, Kit03, LMH<sup>+</sup>13, LG23, LBP15, MZH<sup>+</sup>23, OACA20, OAB<sup>+</sup>16, PMA<sup>+</sup>14, PSM<sup>+</sup>22, RA15, RHM<sup>+</sup>19, SCPN15, SBD01, SSW<sup>+</sup>09, SP08, YAK<sup>+</sup>08, ZK06, ZDM<sup>+</sup>20]. **forcings** [TCF<sup>+</sup>18, dMGS<sup>+</sup>11b, dMGS<sup>+</sup>11a]. **Forecast** [JAS<sup>+</sup>20, CBB<sup>+</sup>22a, CP83, RSK<sup>+</sup>23, YPGE<sup>+</sup>10]. **forecasting** [CCS<sup>+</sup>21, GEPC15, PLK14, Wai21]. **Forecasts** [SYB<sup>+</sup>15, HKL<sup>+</sup>15, LSS<sup>+</sup>10, TSH<sup>+</sup>17]. **forests** [GCF<sup>+</sup>19]. **Foreword** [LHM<sup>+</sup>99, Koc65b, Kra82]. **Formation** [BGV<sup>+</sup>23, LPW<sup>+</sup>23, MSGGM18, NAH<sup>+</sup>21, PVV23, BS95, CGL<sup>+</sup>20, CS18, ILI<sup>+</sup>12, Kat18, KY15, LRNK99, NIC<sup>+</sup>19, NC80, PSL87, PC87, PZA<sup>+</sup>15, PMS<sup>+</sup>15, PGC<sup>+</sup>96, Rud89, SMFM<sup>+</sup>21, San73, SASH08, TSAM<sup>+</sup>22, TG05, VKT15]. **formed** [ELW06]. **formulae** [ARDP14]. **formulation** [MAB<sup>+</sup>11c, RRLS22, XY20]. **formulations** [AGS10, BDP<sup>+</sup>06]. **Fortnightly** [VGLCS06, BPSGP<sup>+</sup>23, RCSA01]. **forty** [CPB<sup>+</sup>15]. **fosse** [Rot65]. **fossils** [ST65]. **foster** [RMC<sup>+</sup>15]. **found** [OT19]. **foundations** [FvBA<sup>+</sup>17]. **four** [BHMS09, CED09, Coo69, DMF<sup>+</sup>09, HFNG00, HvdLS<sup>+</sup>09, LSS<sup>+</sup>09, MKHO96, MLK<sup>+</sup>09, MMPG07, PM13, SH09, SBE<sup>+</sup>20, TKW06, WB03]. **four-component** [MKHO96]. **four-dimensional** [Coo69, WB03]. **fraction** [WSC<sup>+</sup>21]. **fractionated** [BTJ<sup>+</sup>17, FEGA<sup>+</sup>14, JTD<sup>+</sup>14, LHC<sup>+</sup>19, SSN23, XHW<sup>+</sup>20]. **fractioned** [SEG22a]. **fractions** [SRF<sup>+</sup>19]. **Fracture** [Nay65, RMG90, SM65]. **fragmented** [AHC<sup>+</sup>13]. **Fram** [GIC20, GSSWK20, HFPS<sup>+</sup>06, LBNBM13, LF12, MGWZ20, MRO<sup>+</sup>08, Rud89, RKS<sup>+</sup>15, SSV<sup>+</sup>11, TSBS18]. **framework** [BRG<sup>+</sup>15, BMG<sup>+</sup>19, BBF<sup>+</sup>22, FPS<sup>+</sup>13, GLH13, HSN<sup>+</sup>18, JHDT12, KHS<sup>+</sup>14, SJLW23, TSJ<sup>+</sup>12]. **France** [RSM<sup>+</sup>23, LDD<sup>+</sup>22]. **Fraser** [McK08, MI21, SEO13]. **free** [DS65, MSFZ19, PKA19, WM13, WDC<sup>+</sup>11, WO15, SPK<sup>+</sup>19]. **free-living** [MSFZ19]. **freezing** [NAH<sup>+</sup>21]. **French** [Ber65b, CCB<sup>+</sup>20, Rot65, Rou65]. **frequency** [AC85, Bak01, BCLD<sup>+</sup>17, CM18b, DOS<sup>+</sup>18, FRV<sup>+</sup>19, MNT14, NH88a, PZA<sup>+</sup>15, ŠVL<sup>+</sup>15, GDN<sup>+</sup>18]. **fresh** [JAJ08, Jón07, TAW<sup>+</sup>15]. **Freshening** [ONR<sup>+</sup>14, CRPS<sup>+</sup>15, WWSJ07]. **fresher** [HMH07]. **Freshwater** [BSF95, SSQ19, Tal08, AYH<sup>+</sup>23, BvdLA<sup>+</sup>11, BF11, CTI<sup>+</sup>19, DRD<sup>+</sup>07, HS07, LLH<sup>+</sup>21, MTC14, MWS<sup>+</sup>10, NBR<sup>+</sup>08, RFSCF19, RGM01, VNH<sup>+</sup>23, WHS17, Yas07a]. **freshwater-influenced** [RFSCF19]. **friction** [LL97, Mun97]. **frigatebirds** [WLKM10]. **fringe** [CBB<sup>+</sup>22c]. **Front** [Ano17i, Ano17j, Ano17k, Ano17e, Ano17f, Ano17g, Ano17h, PHKS17,

STC10, VFS<sup>+15</sup>, BLR<sup>+23b</sup>, CMC<sup>+16</sup>, FPIJ85, Gou85, HHP06, MSI17, OC06, PHKS01, RPPM<sup>+23</sup>, Ang89, BZD<sup>+21</sup>, CHSB<sup>+21</sup>, DCD<sup>+23</sup>]. **Frontal** [BSMC15, HMS<sup>+22</sup>, INI<sup>+17</sup>, VFCC<sup>+22</sup>, CLV<sup>+19</sup>, CPO<sup>+19</sup>, HBH<sup>+17</sup>, JOBT05, Kaz17, KFC<sup>+23</sup>, LL21, LLGS21, NMO<sup>+21</sup>, RLL<sup>+09</sup>, Tom81a, WMB<sup>+21</sup>]. **Fronts** [BCS09, BZD<sup>+21</sup>, BTS22, CLY22, KZSH85, LB14, NXT<sup>+17</sup>, PLEF<sup>+23</sup>, PO15, Pra22, SDP<sup>+22</sup>, Sou94a, VMA<sup>+24</sup>, XYWY23, XNT<sup>+17</sup>]. **frugality** [MHGGS19]. **fucoxanthin** [CMC<sup>+16</sup>]. **fuegensis** [CCM<sup>+14</sup>]. **Fuegian** [PMA<sup>+14</sup>]. **full** [CN22, LFG10, PST<sup>+15</sup>]. **fully** [RFC<sup>+15</sup>]. **fully-coupled** [RFC<sup>+15</sup>]. **function** [AV23, FM07, HKGH<sup>+06</sup>, MLM09, Nee85, PBH<sup>+10</sup>, TAM<sup>+13</sup>, VBL04, VHK03, Was06, ZWM<sup>+15</sup>, dLLdAWL<sup>+23</sup>, VHK04]. **Functional** [FAB<sup>+09</sup>, KST03, ANMP15, ASR<sup>+20</sup>, BPA<sup>+21</sup>, BMGN15, BMdMS<sup>+21</sup>, DDK<sup>+18</sup>, EBM<sup>+20</sup>, FTC<sup>+16</sup>, FGS<sup>+23</sup>, GCC<sup>+24</sup>, GDM<sup>+20</sup>, GNH19, GDI<sup>+09</sup>, Hof10, JG90, LMS10, LBP<sup>+21</sup>, MPC12, Peñ03b, RLP<sup>+18</sup>, TSL10, VWDF14, VSGD21, THBA19]. **functionally** [MHS<sup>+09</sup>]. **functioning** [BGM<sup>+99</sup>, CDL19, CSG<sup>+15</sup>, CCB<sup>+20</sup>, EAL<sup>+07</sup>, ES07, GRS08, MGC<sup>+18</sup>, TCS15, TDH<sup>+95</sup>, VPM<sup>+19</sup>]. **functions** [TCL20]. **fundament** [dLLdAWL<sup>+23</sup>]. **fungi** [BRC<sup>+18</sup>, CJG88, GGT<sup>+15</sup>]. **Funiculina** [PRA<sup>+18</sup>]. **funnel** [MXC<sup>+21</sup>]. **funneling** [She65]. **Further** [BB65, iUMY86]. **fusiformis** [GA01]. **fusion** [VVV21]. **Future** [Tho87, BW08, BCD<sup>+20</sup>, CCM<sup>+13</sup>, CBGC<sup>+08</sup>, CSS<sup>+19</sup>, CBOP15, CLdPHL23, Den87, GPAB<sup>+16</sup>, HM15, Hob10, IHY<sup>+01</sup>, KKK04a, LDMH09, MPC12, NPO<sup>+19</sup>, NW87, OVG16, PV18, RDG<sup>+21</sup>, RSB<sup>+15</sup>, SDH<sup>+14</sup>, SAd<sup>+17</sup>, SBB<sup>+14</sup>, SPK<sup>+19</sup>, SJ18, TMÁGC<sup>+21</sup>, WAH<sup>+20</sup>, WDC<sup>+11</sup>, WO15, Was15, WH89, vdS94b]. **fuzzy** [JPM<sup>+08</sup>]. **fuzzy-logic** [JPM<sup>+08</sup>]. **FVCOM** [CGZ<sup>+16</sup>, LC22, SCB<sup>+16</sup>].

**G** [Ang79a]. **G.** [AHRT90]. **Gabès** [FTG<sup>+18</sup>]. **Gabriel** [PCK<sup>+06</sup>]. **gadiforms** [DKRL22]. **Gadus** [AHP19, FKH<sup>+13</sup>, GTS<sup>+21</sup>, LSY<sup>+14</sup>, LNB13, SLY<sup>+15</sup>]. **gained** [OELP04]. **Galápagos** [HMB<sup>+86</sup>]. **Galicia** [BAOC<sup>+09</sup>, DGGdR02, FB01, HPS<sup>+01</sup>]. **Galician** [BF01, OÁSG<sup>+16</sup>, VSPP14]. **Gannet** [SWP<sup>+13a</sup>]. **gap** [DP18, LMS10, MCG<sup>+14</sup>]. **gaps** [CLdPHL23, IPF23]. **GARCH** [PVA24]. **GARP** [MGK<sup>+86</sup>]. **gastropod** [FTHK19]. **Gastropoda** [CES<sup>+19</sup>, KCBS20]. **gastropods** [IPHW<sup>+23</sup>]. **Gateway** [ZWP23, JPIP22, PNF<sup>+21</sup>]. **gaudichaudi** [AE09]. **gauge** [HHWW20]. **gauges** [RM97]. **Gaussian** [SBFP21]. **gayi** [BWMGCB08, LC12]. **gazetteer** [Ang79a]. **GCMs** [HLK13]. **gear** [Reb02]. **gears** [JPBB20, GCF<sup>+19</sup>]. **Gelatinous** [MMMWZ23, MGWZ20, dWDB<sup>+98</sup>]. **gender** [IVR<sup>+13</sup>]. **gender-life** [IVR<sup>+13</sup>]. **genera** [MMK19]. **General** [PGLG<sup>+05</sup>, TAO05, AGS10, Arb22, MEMP15, SPSV<sup>+20</sup>, SBLA10, TAH<sup>+11</sup>, WG82]. **generalised** [BBMR19]. **generality** [AF10]. **generalization** [TCL20]. **generated** [FG16, Ike88, PdMS<sup>+13</sup>]. **generating** [SBD01]. **Generation** [CBB<sup>+22a</sup>, BSA06, CCRS20, GLPC23, ORMR<sup>+19</sup>, PLK14, TCN20]. **genesis** [OC06]. **Genetic** [GBG05, ACK<sup>+13</sup>, BBFS19, HTG15, NMN08, RK20,

RAG<sup>+</sup>19, UB10, WPBG<sup>+</sup>18]. **Genkai** [MKM86]. **Genovese** [Bru88, SMB88, Sie88]. **genus** [CES<sup>+</sup>19, GM19, KKKS14, Mar20, MSFZ19, PTPY<sup>+</sup>23, UKK<sup>+</sup>19]. **geo** [RAB<sup>+</sup>11]. **geo-hazard** [RAB<sup>+</sup>11]. **Geochemical** [AJV<sup>+</sup>02, MCGS<sup>+</sup>16, CM11, JFG<sup>+</sup>90, Mor91, VSGC21]. **Geochemistry** [MSV<sup>+</sup>14, AS20, CKB<sup>+</sup>17, CE84, GSV<sup>+</sup>01, LYZ16, Soh03]. **Geochronology** [RANS65]. **geoecological** [Ola65a]. **Geographic** [HRSM08, iIRM<sup>+</sup>15, MMPG07, NHH<sup>+</sup>23, QOS<sup>+</sup>22, SKH<sup>+</sup>23, ZSH<sup>+</sup>24, CALS<sup>+</sup>23, MRH<sup>+</sup>18, SAY<sup>+</sup>16, WCS<sup>+</sup>23]. **Geographical** [GCC<sup>+</sup>24, ZHBW01, HPB<sup>+</sup>09]. **geographically** [NHG19]. **geoid** [NB87]. **Geological** [RLT<sup>+</sup>22, Sei63, Gor92]. **geology** [SC90]. **geomagnetic** [Emi65]. **Geophysical** [CBPS<sup>+</sup>22]. **Geophysics** [VH09a, VH09b]. **George** [AYH<sup>+</sup>23]. **Georges** [BBL<sup>+</sup>09, GGJ<sup>+</sup>10, SCB<sup>+</sup>07]. **Georgia** [FDM<sup>+</sup>13, GKS<sup>+</sup>13, GDM<sup>+</sup>15, LMH<sup>+</sup>13, LC10, PMC16, PM13, RHBS13, STF<sup>+</sup>13, AW13, AHC<sup>+</sup>13, ESTM13, GLPC23, Ham87, IIM<sup>+</sup>23, IOGS13, LAP10, MGF<sup>+</sup>13, MP13, PBN13, STC10, SLH<sup>+</sup>19, WMWR08, XCH<sup>+</sup>16]. **GEOSECS** [JvdLL<sup>+</sup>15]. **geostrophic** [CP07, KAG<sup>+</sup>19, Rei86, Rei89, Rei94, Rei97, Rei03]. **geothermally** [YYK88]. **GEOTRACES** [AH15, BGR<sup>+</sup>15, HM15, ZNR<sup>+</sup>24]. **German** [DOP87]. **Germany** [PDV12, VPH<sup>+</sup>12]. **Geryon** [AHRT90]. **Ghir** [AAM<sup>+</sup>14]. **giant** [JPBB20]. **Gibbs** [Fei04, FH95, Fei03, FM07]. **Gibraltar** [BMC05, CGMP14, SGMP15, BPGC<sup>+</sup>20, BCR<sup>+</sup>13, BCK94, Dea85, FAAF88, GR85, GWS<sup>+</sup>23, MMGL<sup>+</sup>07, MM90, NGLSSG14, Ric94, SBPGP<sup>+</sup>23, VGLCS06, dIPHF<sup>+</sup>15]. **gigas** [ATT<sup>+</sup>08, BGM<sup>+</sup>10, RS10]. **Gills** [JG90]. **Gioia** [CFM<sup>+</sup>18, GCLD19, PRA<sup>+</sup>18]. **given** [MEMC05]. **Glacial** [Bro82, HM98, TAF<sup>+</sup>22, DPB06, DYL<sup>+</sup>15, DCL<sup>+</sup>13b, HHR<sup>+</sup>19, KSKN21]. **Glacial-interglacial** [HM98]. **glacialis** [AEP<sup>+</sup>23]. **glacier** [CKB<sup>+</sup>17, GHVG19]. **glacier-fjord** [GHVG19]. **glaciers** [BRR<sup>+</sup>22, VNH<sup>+</sup>23]. **glaciomarine** [ZCLS20]. **gladius** [SYB<sup>+</sup>15, YGL<sup>+</sup>10]. **Glider** [KHD22, MBdM<sup>+</sup>18, CLY22, PO15, SCY<sup>+</sup>23]. **glider-resolved** [PO15]. **gliders** [RZTD17]. **Globa** [MGK<sup>+</sup>86]. **Global** [Cai95, CSS11, DPCS87, GRMB18, JTGM10, KT97, LSH<sup>+</sup>22, MBS20, MMN12, OVG16, PBO10, SDJ14, TAM<sup>+</sup>15, WQ08, AGS10, Arb22, BBC<sup>+</sup>22, BDLW14, CTKF<sup>+</sup>23, CWS<sup>+</sup>21, DEW<sup>+</sup>97, ERBV21, GJ00, Gri22, GZCL23, HS07, HGB<sup>+</sup>21, HHDS02, HTG15, HMKF08, HMH<sup>+</sup>15, HLFL23, IHY<sup>+</sup>01, JBH20, KV13, KKKY10, KKO10, LGZW22, LM97, Mac98, NGLL<sup>+</sup>22, OWH14, PAB<sup>+</sup>21, PSA<sup>+</sup>19, PHKS01, PPD<sup>+</sup>12, RG09, SE08, SE09, SBB<sup>+</sup>22, SJLW23, Tal08, TMH<sup>+</sup>16, TAM<sup>+</sup>13, VWDF14, WWW<sup>+</sup>23, WSS15, WSO01, Whi95, WLM<sup>+</sup>22, WBH15, XYWY23, YW22, YAK13, ZCD08, CGZ<sup>+</sup>16]. **Global-FVCOM** [CGZ<sup>+</sup>16]. **Global-scale** [SDJ14]. **globally** [LRW<sup>+</sup>15]. **GLOBEC** [Ano10a, BPW10, BK08, EAL<sup>+</sup>07, PDV12, PBOW10, PBH<sup>+</sup>10, SWP<sup>+</sup>13b, VPH<sup>+</sup>12]. **Goban** [BHE<sup>+</sup>98, FLdST98, LHEB98, OB98, TvW98, FMH02, vWHdS<sup>+</sup>98]. **going** [SWP<sup>+</sup>13b]. **golfe** [Ber65b]. **Golfo** [CTF07]. **gonad** [Nie07].

**Gondwanaland** [Fai65]. **good** [GEPC15]. **gorbuscha** [KBF<sup>+</sup>08]. **Gorda** [CSR90]. **Gordian** [HPNDC15]. **gorgonian** [GGA<sup>+</sup>16]. **Gorshkov** [Ang79a]. **governing** [BPP<sup>+</sup>98]. **Gower** [Ang88]. **gracilis** [VMH<sup>+</sup>21]. **gradient** [BMdMS<sup>+</sup>21, BGWP<sup>+</sup>17, CBL<sup>+</sup>19, DWH<sup>+</sup>14, GCD<sup>+</sup>13, KLC<sup>+</sup>15, LvIKB07, MCD<sup>+</sup>14, PCH<sup>+</sup>08b, SST<sup>+</sup>17]. **gradients** [BLES16, CSG<sup>+</sup>15, EBW<sup>+</sup>23, FBD18, GBB<sup>+</sup>19, JTD<sup>+</sup>14, SPMVP05, VKGP<sup>+</sup>13, XWL<sup>+</sup>18, ZLR<sup>+</sup>07, dLLdAWL<sup>+</sup>23]. **grain** [PPSVC<sup>+</sup>13]. **Gran** [Ano09h]. **Grande** [FBT<sup>+</sup>22]. **grandis** [RK20]. **graph** [DYO<sup>+</sup>10]. **graph-theoretic** [DYO<sup>+</sup>10]. **gravimetric** [LM97]. **gravity** [Arb22, KCL<sup>+</sup>12, MZZ<sup>+</sup>23]. **grazer** [GBH<sup>+</sup>20, VPM<sup>+</sup>19]. **Grazing** [Dag93, NYL<sup>+</sup>17, TKSI08, AGS10, Ban96, BM07, CMC<sup>+</sup>16, HHB<sup>+</sup>01, LGK<sup>+</sup>93, LMS93, LOG<sup>+</sup>09, LHP<sup>+</sup>05, LPHL<sup>+</sup>05b, LPHL<sup>+</sup>05a, MFB<sup>+</sup>84, MC88, RRLS22, SPB93]. **Great** [BLAM00, Leg91, WLKM10, BLAM98, BECR<sup>+</sup>22, DMML88, Her97, HT97, HPHW21]. **Greater** [ROBRB<sup>+</sup>22, RLR<sup>+</sup>18]. **greatest** [UKK<sup>+</sup>19]. **green** [YFK21, TAM<sup>+</sup>13]. **Greenland** [JJR<sup>+</sup>08, JAJS08, JJ08, MFM15, NBR<sup>+</sup>08, BS95, HBL<sup>+</sup>13, HJLLN07, HHR<sup>+</sup>19, Leg91, MMMWZ23, MLS<sup>+</sup>15, MWJ<sup>+</sup>08, MDR22, ON22, RN06, SBK<sup>+</sup>95, Ste91, SP08, SBS90, VEM<sup>+</sup>21, VNH<sup>+</sup>23, WBH15]. **Greenland/Norwegian** [BS95, SBK<sup>+</sup>95]. **gregaria** [CSMGS19]. **grenadier** [MMPG07]. **Grey** [NBLI20]. **grid** [CTA16, SZG06]. **gridded** [DPF<sup>+</sup>20, VR03]. **grip** [Nof03]. **groenlandicus** [FJH10]. **gross** [SMP<sup>+</sup>22a]. **ground** [BPSN<sup>+</sup>21]. **grounds** [CPO<sup>+</sup>19, KKKY10, LML<sup>+</sup>23]. **Group** [Ano94k, Ano03j, WHG<sup>+</sup>16, CSS<sup>+</sup>21, FAB<sup>+</sup>09, GKR20, Hof10, SEG<sup>+</sup>22b, VSGD21]. **groups** [GDI<sup>+</sup>09, LSM<sup>+</sup>22, LRAE23, LMS10, Peñ03b, XWL<sup>+</sup>18]. **Growth** [Hey78, LS12, MPD<sup>+</sup>22, BFB<sup>+</sup>20, BSF<sup>+</sup>21, CBHL07, CCS<sup>+</sup>21, CWS<sup>+</sup>21, CP02, DIQJ21, GiIKX22, HLR17, HBL<sup>+</sup>13, HPNDC15, HCGK11, iIRM<sup>+</sup>15, KSY<sup>+</sup>19, KSKN21, KLIRK17, Kru19, LMS93, LOG<sup>+</sup>09, LHP<sup>+</sup>05, MN88, NKK<sup>+</sup>05, RvBD<sup>+</sup>22, SIR<sup>+</sup>07, SKSK06, SJD10, VMV<sup>+</sup>23, VDB<sup>+</sup>20, WPW<sup>+</sup>14, YHRT22, YHLA<sup>+</sup>04, YAK13]. **grypus** [NBLI20]. **Guadalquivir** [CN22, GEPC15]. **Guadalupe** [GPEV20]. **Guiana** [CdTH<sup>+</sup>16]. **Guinea** [Ber65b, KLP<sup>+</sup>17, NM17, Ver92]. **Guinée** [Ber65b]. **Gulf** [AAML22, DHD<sup>+</sup>23, FTG<sup>+</sup>11, SRFHDH22, TPTM23, AC85, AJHC19, BDB<sup>+</sup>04, Ber65b, BHPC06, BF12, BD85, CDH<sup>+</sup>13, CHC<sup>+</sup>12, CD07, CCH<sup>+</sup>12, CBT07, DDDT99, DPM<sup>+</sup>09, EMU<sup>+</sup>23, FELMGM<sup>+</sup>22, FSAO22, FFS<sup>+</sup>20, FTG<sup>+</sup>18, Fug63, GFGGD<sup>+</sup>23, GPE<sup>+</sup>17, GMD<sup>+</sup>22, HSMLDC<sup>+</sup>22, HKL<sup>+</sup>15, Ham87, Ham09, Hen85, HHDS02, Her88, HMS<sup>+</sup>22, Hog85, JJA<sup>+</sup>13, JSA<sup>+</sup>08, Kli10, KLP<sup>+</sup>17, KAH<sup>+</sup>16, LR07, LBC<sup>+</sup>23, LKDL14, LHW<sup>+</sup>20, LEDR<sup>+</sup>22, LdCSB<sup>+</sup>20, LCANAS<sup>+</sup>07, LCPSMR<sup>+</sup>10, LS85, MLB<sup>+</sup>20, MDAW<sup>+</sup>19, MPSD15, Mil93a, MPN09, MKSW<sup>+</sup>15, NFMCS<sup>+</sup>22, NMLBCM<sup>+</sup>01, NM17, NHN<sup>+</sup>21, NAH<sup>+</sup>21, ON05, OHH<sup>+</sup>22, PPdM<sup>+</sup>12, PGT<sup>+</sup>13, PCH08a, PBBH<sup>+</sup>22, PCR<sup>+</sup>22, ROBRB<sup>+</sup>22, RLP<sup>+</sup>18, RANS65, RGPB<sup>+</sup>23, RKC<sup>+</sup>10, SGL<sup>+</sup>13, SCHBC<sup>+</sup>22, San15, SGMVF14, SLBVR<sup>+</sup>22, STG<sup>+</sup>18, SBPGP<sup>+</sup>23, TPTM23, UPPS<sup>+</sup>21, Ver92, WM13, WDMMK89, WD94, WFBN<sup>+</sup>13, WW02, WBC<sup>+</sup>22, WDMC02, WLM<sup>+</sup>22]. **guts**

[RMB<sup>+01</sup>]. **Gyre** [CMJPH<sup>+18</sup>, DLC<sup>+08</sup>, GIPC<sup>+15</sup>, HPC<sup>+20</sup>, LBSP01, LSMG01, Ang79b, BDTC15, CRGA17, CBB<sup>+22c</sup>, DMT15, FCMCÁS19, GTNK21, HPB<sup>+09</sup>, HLM<sup>+16</sup>, HHB<sup>+00</sup>, KJH<sup>+22</sup>, MCD<sup>+14</sup>, MD07, MFB<sup>+84</sup>, NCH<sup>+07</sup>, PAF<sup>+11</sup>, Rea00, TST<sup>+17</sup>, VBVYT05, Whi95, CM18b, FGR<sup>+06</sup>, Pre86, RBS<sup>+20</sup>, RBS<sup>+22</sup>, SGLF<sup>+13</sup>, YHM<sup>+18</sup>]. **gyre-scale** [Whi95]. **Gyres** [SPS<sup>+99</sup>, BLI<sup>+99</sup>, FK99, HBV<sup>+99</sup>, HMX<sup>+23</sup>, HMPZ11, SWT<sup>+17</sup>, WQ08, ABD<sup>+17</sup>, SJ02c, SJ02b].

**H** [BSF95]. **Habitat**

[BCT<sup>+09</sup>, DFH<sup>+16</sup>, PGGG17, SJ18, AQVB<sup>+10</sup>, BMK12, BFP<sup>+18</sup>, BGM<sup>+10</sup>, BSC<sup>+07</sup>, BHH<sup>+16</sup>, BMG<sup>+19</sup>, BMG<sup>+21a</sup>, CF20, DHD<sup>+23</sup>, DBJ<sup>+15</sup>, EiT<sup>+22</sup>, FGS<sup>+23</sup>, FKH<sup>+13</sup>, HLP<sup>+16</sup>, HSN<sup>+18</sup>, KKKY10, LVGH<sup>+15</sup>, LAD<sup>+18</sup>, LBC<sup>+23</sup>, LO21, LMP22, MSMR93, MHR<sup>+10</sup>, MBH<sup>+23</sup>, MRH<sup>+14</sup>, MHVS19, NXT<sup>+17</sup>, PHKS01, PO15, RHBS13, RVC<sup>+13</sup>, RASVB<sup>+22</sup>, RDP<sup>+21</sup>, SPB<sup>+12</sup>, SAY<sup>+16</sup>, TJ90, WMB<sup>+21</sup>, WWW<sup>+23</sup>, XYL<sup>+22</sup>, YWUK15].

**Habitat-faunal** [PGGG17]. **habitats**

[DHHP18, FVA<sup>+19</sup>, FJH10, JYK<sup>+14</sup>, KST<sup>+10</sup>, KOT<sup>+21</sup>, LPF<sup>+18</sup>, LBC<sup>+15</sup>, MCD<sup>+14</sup>, RLR<sup>+18</sup>, TNC<sup>+09</sup>, TTF<sup>+22</sup>]. **habits** [KTIT22, SMN<sup>+13</sup>]. **Hadal** [JS21, AM19, BC19, BBRM20, CBL<sup>+19</sup>, GHSC19, HFO90, JGB20, KO19, SJ18]. **hake** [BWMGCB08, DFM<sup>+15</sup>, FCN<sup>+19</sup>, FB05, LC12]. **Half**

[ALV<sup>+21</sup>, LSW02]. **Half-Century** [ALV<sup>+21</sup>]. **Halichoerus** [NBLI20].

**haline** [GCD<sup>+13</sup>]. **halocline** [BvdLA<sup>+11</sup>]. **halocyprid** [Ang79b]. **hamata** [MMN12]. **hamatus** [DK07]. **Hampshire** [NW87]. **Hans** [Ano65e, Ano65f].

**Haploniscidae** [JLRB20]. **harbor** [RNL<sup>+13</sup>]. **harbour**

[JHW<sup>+14</sup>, LAP10, LH08, NHE<sup>+13</sup>]. **Hardcover** [Bak83, Hof81]. **Harmful**

[IPF23, PP10, BLMR<sup>+20</sup>, KSC10, KHJ<sup>+10</sup>, LPHL<sup>+05b</sup>, MPMFL<sup>+23</sup>, PFHM10, SPF<sup>+23</sup>, Sma10a, Sma10b, TPRS10, WDC<sup>+11</sup>]. **harmonics**

[XD96]. **Harp** [HBG<sup>+21</sup>, FJH10]. **harpacticoid** [KKKS14]. **Harpacticoida**

[GS19, PMG15]. **Harpagifer** [NPO<sup>+19</sup>]. **hatchery** [IOGS13].

**hatchery-origin** [IOGS13]. **Hatchetfishes** [EBM<sup>+20</sup>]. **hatching**

[BF11, IMHL07]. **Hato** [DFC<sup>+21</sup>]. **Hatteras** [GL06]. **Hawaii** [GDN<sup>+18</sup>].

**Hawaiian** [KST<sup>+10</sup>, LPF23, PCH<sup>+08b</sup>]. **hazard** [RAB<sup>+11</sup>]. **head**

[CVHM<sup>+18</sup>, DCL<sup>+13b</sup>, PGGG17]. **Heat**

[BDTC15, YTNK00, AHW99, BDBJ01, DMT15, EMK<sup>+17</sup>, HWPLvW20, HTdM<sup>+15</sup>, HDB13, JVJ<sup>+17</sup>, LLH<sup>+21</sup>, LDHW20, MMR<sup>+09</sup>, MMF<sup>+17</sup>, RKS<sup>+15</sup>, SCC14, SRFHDH22, SAH<sup>+21</sup>, WCN<sup>+05</sup>, WLM07, YN20]. **heating**

[GW91]. **heatwave** [WHK23]. **Heatwaves** [Cia22, ABP<sup>+23</sup>, FSAO22,

HAP<sup>+16</sup>, OLH<sup>+18</sup>, SN24, SOWS17, SJLW23, YW22]. **Heavy**

[PCD<sup>+18</sup>, aHFS92, JP90, XYK<sup>+22</sup>]. **Heavy-metal** [PCD<sup>+18</sup>]. **Hebrides**

[XD96, PHK<sup>+17</sup>, Rot65, Rot65]. **height**

[CPSM20, DWH<sup>+14</sup>, HMRB<sup>+03</sup>, KDL<sup>+01</sup>, RG09, SRFHDH22, WLD<sup>+15</sup>].

**heights** [BBC<sup>+22</sup>, MZZ<sup>+23</sup>]. **Helena** [FHG03, TFM03]. **helgolandicus**

[BRH<sup>+05</sup>, CÁM06, MAH<sup>+15</sup>, WPB<sup>+08</sup>, WSH15]. **helical** [MJ88]. **helium**

[SW65]. **hemipelagic** [HKE<sup>+10</sup>]. **Hemisphere**

[APSC11, DMF<sup>+09</sup>, GPA<sup>+11</sup>, HSLG11, KMWF11, MBD<sup>+09</sup>, ELW06, SE08, SE09, KF11, LPA<sup>+11</sup>, TAH<sup>+11</sup>]. **Hensen** [WB03]. **Herald** [LPBM17]. **herbivorous** [DLD<sup>+19</sup>, FB01]. **Herbst** [AHRT90]. **herring** [GBT<sup>+19</sup>, HRSM08, HPNDC15, iIRM<sup>+15</sup>, MHTG10, Nag01, PS08, dSSDS<sup>+20</sup>, STF<sup>+13</sup>]. **hertwigi** [vPRT90]. **Heterobranchia** [CES<sup>+19</sup>]. **Heterogeneities** [Mil14]. **heterogeneity** [DJW<sup>+18</sup>, DCS<sup>+22</sup>, DBJ<sup>+15</sup>, GLV12, HHK<sup>+22</sup>, IHR18, RLT<sup>+22</sup>, SJ18]. **heterogeneous** [DIQJ21]. **heteropods** [BGWP<sup>+17</sup>, WPBG<sup>+18</sup>]. **Heterosigma** [MPMFL<sup>+23</sup>]. **Heterotrophic** [BVB88, VCB<sup>+00</sup>, BGM<sup>+01</sup>, BLP93, DLM<sup>+12</sup>, GASV<sup>+09</sup>, JP90, MVN<sup>+15</sup>, MSMH19, SHS<sup>+05</sup>, VDDA<sup>+08</sup>]. **hexactinellid** [RTN90]. **hexafluoride** [OYKK<sup>+23</sup>, TNS<sup>+05</sup>]. **hexapterus** [RHBS13]. **HF** [BBM<sup>+14</sup>, Pra91]. **hidden** [DBJ<sup>+15</sup>]. **Hierarchical** [KHS<sup>+14</sup>, HAP<sup>+16</sup>, OWH14]. **High** [BJMP19, BJMP20, Ché14, CTR<sup>+19</sup>, CRC<sup>+19</sup>, DOS<sup>+18</sup>, DAF<sup>+22a</sup>, DAF<sup>+22b</sup>, HHAR23, JM19, KV13, MLHE23, SDGVE17, SMP<sup>+22a</sup>, ŠVL<sup>+15</sup>, SVIA14, vHMDL14, APC13, APN<sup>+15</sup>, ASJ<sup>+23</sup>, ACL<sup>+18</sup>, AASJ23, AE09, BVJE19, BMC05, Ber65a, CKB<sup>+17</sup>, CGZ<sup>+16</sup>, CNBD21, DFD23, DPF<sup>+20</sup>, FM07, FRV<sup>+19</sup>, FACM<sup>+23</sup>, FAAV<sup>+15</sup>, FYYC05, GWS<sup>+23</sup>, HL05, HBG<sup>+21</sup>, HDA<sup>+16</sup>, KS06, KSB<sup>+22</sup>, KMSTK23, LNB13, LGG18, MFDH22, MRW<sup>+14</sup>, MJD<sup>+21</sup>, MBD<sup>+09</sup>, MSL<sup>+07</sup>, RMK<sup>+21</sup>, RN06, SVL<sup>+23</sup>, SKWWGV18, SCC14, STS<sup>+12</sup>, STM10, SWZS<sup>+21</sup>, TDGY22, UNN<sup>+14</sup>, WZBK<sup>+21</sup>, ZLC<sup>+15</sup>, dPCS23]. **high-Arctic** [RN06, SWZS<sup>+21</sup>]. **high-energy** [ACL<sup>+18</sup>]. **High-frequency** [DOS<sup>+18</sup>, ŠVL<sup>+15</sup>, FRV<sup>+19</sup>]. **high-latitude** [AE09, BVJE19, MBD<sup>+09</sup>]. **high-quality** [KS06]. **High-resolution** [Ché14, SMP<sup>+22a</sup>, vHMDL14, APC13, APN<sup>+15</sup>, ASJ<sup>+23</sup>, AASJ23, BMC05, CGZ<sup>+16</sup>, CNBD21, DPF<sup>+20</sup>, FACM<sup>+23</sup>, FAAV<sup>+15</sup>, GWS<sup>+23</sup>, MFDH22, MRW<sup>+14</sup>, RMK<sup>+21</sup>, SCC14, dPCS23]. **high-salinity** [FM07]. **high-water** [DFD23]. **higher** [LB20, XD96]. **highlight** [NFMCS<sup>+22</sup>]. **highlights** [GFB<sup>+15b</sup>, GFB<sup>+15a</sup>]. **highly** [AMG<sup>+16</sup>, BMG<sup>+21b</sup>, CSS<sup>+21</sup>, CHC<sup>+12</sup>, JOGM<sup>+10</sup>, LHP<sup>+05</sup>]. **highly-stratified** [BMG<sup>+21b</sup>]. **hill** [MDR20]. **hills** [DBJ<sup>+15</sup>, SBG16]. **Hindcast** [AW13, Cho86, His22, KRL08]. **hindcasting** [AEPW93]. **hints** [GGT<sup>+15</sup>]. **Hirudinea** [UKK<sup>+19</sup>]. **historic** [RN02]. **Historical** [DLC<sup>+08</sup>, SJH<sup>+90</sup>, CQC15, GJ00, PCBA<sup>+20</sup>, TKWI08, WMWR08, ZCD08]. **histories** [MT99, MFB<sup>+84</sup>, Wil87]. **History** [CGB<sup>+23</sup>, vdS94b, BVJE19, BBSN04, BLT<sup>+08</sup>, CMS<sup>+13</sup>, CBGC<sup>+08</sup>, ECFT20, Fre07, FMT15, GLAHH<sup>+22</sup>, GiIKX22, JAC<sup>+12</sup>, JJS03, Kaw98, KLP<sup>+17</sup>, MRH<sup>+18</sup>, MRH<sup>+14</sup>, MC88, Nie07, RCM<sup>+03</sup>, Ric08, SCD<sup>+07</sup>, dSSDS<sup>+20</sup>, STS<sup>+12</sup>, SCHD23, SSM<sup>+90b</sup>, SSW<sup>+09</sup>, Wüs64, YAK<sup>+08</sup>]. **hiver** [Rou65]. **Hjálmar** [Ano13g]. **HNLC** [FYYC05]. **Hokkaido** [DWNN04, Nag01]. **hold** [BW08]. **holistic** [PRC<sup>+20</sup>]. **Holocene** [HKN<sup>+14</sup>, JS87, JKBH87, KiL14, KYS<sup>+17</sup>, Med87, NB87]. **holothurians** [GBM<sup>+01</sup>, HWBT03, RMB<sup>+01</sup>, WHBW03]. **Holothuroidea** [GKR20, MMK19, WDK<sup>+01</sup>]. **Holyrood** [CLMR23]. **home** [PPPdS20].



**homing** [BCL<sup>+09</sup>]. **homogenization** [Sak86]. **hoplonemerteans** [CP19].  
**Horizontal** [BGM<sup>+10</sup>, IAN13, MWJ<sup>+08</sup>, PBP<sup>+99</sup>, RBS<sup>+20</sup>, RBS<sup>+22</sup>, SVIA14, GSPMAI99]. **Hornsund** [SPW22]. **horse** [ZL01]. **hosting** [MSV<sup>+14</sup>]. **hot** [HNSP<sup>+19</sup>, ZMCD11]. **hot-spot** [HNSP<sup>+19</sup>]. **hotspot** [FDE<sup>+22</sup>, JHW<sup>+14</sup>, PIS13, RVS<sup>+21</sup>, SC23, STGR<sup>+23</sup>]. **hotspots** [CCRS20, FJA<sup>+21</sup>, GFB<sup>+15b</sup>, GFB<sup>+15a</sup>, GBC<sup>+15</sup>, PMM<sup>+23</sup>, SSS<sup>+11</sup>].  
**HPLC** [SHS<sup>+05</sup>]. **Hudhud** [VBM21]. **Hudhud-eddy** [VBM21]. **Hudson** [EHG<sup>+12</sup>, PGGG17]. **Human** [ALG<sup>+21</sup>, KSE<sup>+09</sup>, NCC<sup>+15</sup>, OvdSN94].  
**humans** [RSB<sup>+13</sup>]. **Humboldt** [BDT<sup>+08</sup>, CRT<sup>+22</sup>, GCED22, JBB<sup>+14</sup>, TTB<sup>+08a</sup>, TTB<sup>+08b</sup>, ABE<sup>+15</sup>, AN04, Ant09, BLT<sup>+08</sup>, CBGC<sup>+08</sup>, EB08, EBvdL<sup>+09</sup>, FVLC<sup>+23</sup>, GDI<sup>+09</sup>, JTQ<sup>+18</sup>, LQU07, LPF<sup>+18</sup>, ML09, NMC<sup>+09</sup>, RBPGJ<sup>+20</sup>, RS10, SGF<sup>+19</sup>, SHD<sup>+21</sup>, SBG<sup>+08</sup>, TBW09, VSGC21].  
**humpback** [AHGRAL23]. **hundred** [RCD<sup>+94</sup>]. **hurricane** [KAH<sup>+16</sup>, LC22, SZG06]. **Hurst** [NW87]. **huxleyi** [RPG<sup>+18</sup>, STHM02].  
**Hwanghae** [Lie86]. **hyalinus** [GBG05]. **hybrid** [PVA24]. **hydration** [Due77]. **hydro** [PST<sup>+15</sup>]. **hydro-biogeochemical** [PST<sup>+15</sup>]. **HydroBase** [KS06]. **Hydrobates** [SWP<sup>+13a</sup>]. **hydrobiological** [DBC<sup>+18</sup>].  
**hydrocarbons** [FTG<sup>+18</sup>, GGT<sup>+15</sup>, SGL<sup>+17</sup>]. **Hydrodynamic** [CB06, Con87, ACL<sup>+18</sup>, BFP<sup>+18</sup>, FG16, HLP<sup>+16</sup>, HPW10, KSK<sup>+15</sup>, LL97, TCL<sup>+15</sup>, WSS15]. **hydrodynamics** [JHW<sup>+14</sup>, MRW<sup>+14</sup>, MHCS<sup>+23</sup>, TSG<sup>+04</sup>]. **Hydrogen** [BCP09, Ros65].  
**Hydrographic** [ALBP87, HMB<sup>+86</sup>, KHM<sup>+88</sup>, LBH<sup>+87</sup>, PHC<sup>+19</sup>, Yas07c, AMEV07, BDB<sup>+04</sup>, FW91, GMD<sup>+22</sup>, GJ00, GA00, JTD<sup>+14</sup>, Ken88, KDB95, KGJ<sup>+10</sup>, Lev88, Lie86, LC16, LWY07, Mac98, PFW15, STB<sup>+92</sup>, Sva65, TTL<sup>+04</sup>, TZP<sup>+00</sup>, WXH07, Yas07b]. **hydrographical** [FPY<sup>+16</sup>].  
**Hydrography** [FT06, LWT<sup>+20</sup>, RBR<sup>+23</sup>, VMA<sup>+24</sup>, WDMC02, vAB96, BSÖ<sup>+94</sup>, BBL<sup>+09</sup>, CCA<sup>+02</sup>, DPF<sup>+20</sup>, FMW91, HHY03, HWLT10, MRMD<sup>+97</sup>, NCH<sup>+07</sup>, ÖHÜ89, PKF02, SPSR<sup>+14</sup>, TBK<sup>+99</sup>, WSL20].  
**hydrological** [CSG<sup>+15</sup>, KSB18, PGRP<sup>+18</sup>, SSV00]. **Hydrology** [GCZ<sup>+00</sup>, GRD<sup>+23</sup>, Roo82, GCED22]. **hydrolytic** [CS89, RMB<sup>+01</sup>].  
**hydrolyzable** [BPP<sup>+98</sup>, GGA<sup>+05</sup>]. **hydrostatic** [RPG<sup>+18</sup>]. **hydrothermal** [GSA<sup>+20</sup>, JP90, JG90, LDH90, LvBS<sup>+24</sup>, SF85, TJ90, WLP<sup>+21</sup>].  
**Hydrothermalism** [DSV99]. **hydroxychlorophyll** [STW<sup>+15</sup>].  
**hydroxychlorophyll-a** [STW<sup>+15</sup>]. **hyperboreus** [DWFP<sup>+19</sup>, LBC<sup>+23</sup>].  
**hyperiid** [BTV<sup>+17</sup>, gWjNfLyD20]. **hyperpyncal** [HLS<sup>+14b</sup>]. **hypersaline** [LEDR<sup>+22</sup>]. **hypotheses** [FFA06, Hic79, SPH<sup>+15a</sup>, VPH<sup>+12</sup>]. **Hypothesis** [CS18, BM01, BF11, DTC<sup>+06</sup>, HMTL05, MPB<sup>+23</sup>, MCKS17, MZK<sup>+23</sup>, YYK88]. **Hypoxia** [SV14, PJS<sup>+22</sup>, ZHF<sup>+24</sup>, ZCH<sup>+17</sup>].  
**I.G.Y.** [McG64]. **I03** [KMWF11]. **I03/I04** [KMWF11]. **I04** [KMWF11].  
**Iberia** [BIST01, KPSB22, QCdS<sup>+07</sup>, RBD<sup>+07</sup>, SCD<sup>+07</sup>]. **Iberian** [ÁSDB<sup>+01</sup>, MSd<sup>+16</sup>, SVL<sup>+23</sup>, BGM<sup>+01</sup>, BCOL<sup>+19</sup>, BAOC<sup>+07</sup>, CVHM<sup>+18</sup>, CNBD21, DXH<sup>+02</sup>, DJG<sup>+02</sup>, EAL<sup>+07</sup>, EvdZSH02, FEGA<sup>+14</sup>, FMH02, JW01a, JRW01, JIT<sup>+01</sup>, JWD<sup>+02</sup>, LDB<sup>+02</sup>, MH02, MPPG07, ORR<sup>+02</sup>,

Peñ24, RCÁS<sup>+</sup>15, RWOA01, SNV<sup>+</sup>18, SvWRvB02, SW01, SMGL01, TTMM<sup>+</sup>17, TMPM<sup>+</sup>16b, TMPM<sup>+</sup>16a, TvG02, vWM02a, vWdSBdH02].

**IBM** [ANMP15, PST<sup>+</sup>15]. **Ice**

[BHM<sup>+</sup>15, OPL<sup>+</sup>21, AAMB<sup>+</sup>24, BSC<sup>+</sup>19, Ber65a, BRG<sup>+</sup>23, CML<sup>+</sup>16, CGZ<sup>+</sup>16, DWFP<sup>+</sup>19, DLD<sup>+</sup>19, DLD15, DS65, FPJ<sup>+</sup>15, FACM<sup>+</sup>23, FMCG15, FJH10, GDL<sup>+</sup>15, GMR<sup>+</sup>23, GW89, HKN<sup>+</sup>14, HJLLN07, Hol00, Iwa23, JCF<sup>+</sup>23, KTN14, KON14, KMS<sup>+</sup>24, KSG<sup>+</sup>17, KSB<sup>+</sup>22, KGB<sup>+</sup>23, LVGH<sup>+</sup>15, LSF<sup>+</sup>17, LSH<sup>+</sup>11, LMA<sup>+</sup>15, LRJ<sup>+</sup>15, LDHW20, LSW02, MSC<sup>+</sup>15, MGA<sup>+</sup>23, MST<sup>+</sup>23a, MOSN<sup>+</sup>13, MMD<sup>+</sup>16, NNFL21, NAH<sup>+</sup>21, NST<sup>+</sup>23, ONR<sup>+</sup>14, RCB<sup>+</sup>20, RBR<sup>+</sup>23, RCSA01, Rud89, SMFM<sup>+</sup>21, SW92, SOO<sup>+</sup>14, SEW11, SLGI<sup>+</sup>21, SNMW10, TRY<sup>+</sup>04, TSFA22, VH09a, VH09b, WDC<sup>+</sup>11, WO15, WSL20, WBA<sup>+</sup>22, WC15, YNTS22, YLL19, YGMR<sup>+</sup>23, ZKK<sup>+</sup>16].

**ice-associated** [DLD15]. **ice-band** [SMFM<sup>+</sup>21]. **ice-free** [DS65, WDC<sup>+</sup>11].

**ice-mediated** [MMD<sup>+</sup>16]. **ice-sea** [CGZ<sup>+</sup>16]. **ice-sheets** [Ber65a]. **iceberg**

[WBH15]. **icebergs** [NST<sup>+</sup>23]. **Iceland** [CGV13a, HØH<sup>+</sup>03, ZLZ<sup>+</sup>17].

**Icelandic** [Jón07, CGV13b, GVBV<sup>+</sup>21]. **ICES** [SWP<sup>+</sup>13b, WHG<sup>+</sup>16].

**ICES/GLOBEC** [SWP<sup>+</sup>13b]. **ichthyoplankton**

[ABP15, DMBB02, JF13, MDAW<sup>+</sup>19, RMHL09]. **idealized** [CS06, LL21].

**ideas** [Rud15]. **IDentification** [GDN<sup>+</sup>18, CGG08, MHR<sup>+</sup>10]. **identified**

[NMN08, YSS14]. **identify** [RRS03]. **Identifying**

[GKC<sup>+</sup>14, KFH<sup>+</sup>15, RHBS13, HRA00, XYWY23]. **if**

[Ano17i, Ano17j, Ano17k]. **IFC** [Ano13h, Ano13i, Ano13j, Ano13k, Ano14a, Ano14b, Ano14c, Ano14d, Ano14e, Ano14f, Ano14g, Ano14h, Ano14i, Ano14j, Ano14k, Ano15a, Ano15b, Ano15c, Ano15d, Ano15e, Ano15f, Ano15g, Ano15h, Ano15i, Ano15j, Ano15k, Ano15l, Ano16a, Ano16b, Ano16c, Ano16d, Ano16e, Ano16f, Ano16g, Ano16h, Ano16i, Ano16j, Ano17b, Ano17c, Ano17d].

**ignition** [USH15a]. **II**

[ÁSÁB<sup>+</sup>14, BBS23, CP19, HMO<sup>+</sup>13, KSD84, MPCNC<sup>+</sup>19, McD81b,

MAB<sup>+</sup>11a, NKK03, NF87, SKF20, TTB<sup>+</sup>08b, Tol85b, WPB<sup>+</sup>08]. **iii**

[Ano86j, Ano92i, CKT<sup>+</sup>13, MAB<sup>+</sup>11b, Sim84]. **iii-xv** [Ano86j]. **illuminate**

[CRS04]. **illus** [Bak83]. **illustrations** [Ang80]. **image**

[Ano17i, Ano17j, Ano17k, GPAB<sup>+</sup>16, MERB12]. **imagery**

[CN22, OP18, RRS03, VOT<sup>+</sup>99]. **images** [CDB<sup>+</sup>24, SW92]. **imaging**

[CTP<sup>+</sup>18, YNMY23]. **Imbalance** [RSB<sup>+</sup>01, DHB<sup>+</sup>21]. **Immature**

[CBB<sup>+</sup>22c]. **Impact** [AdAK<sup>+</sup>18, CZG<sup>+</sup>21, FDB<sup>+</sup>21, GCB<sup>+</sup>22, IIM<sup>+</sup>23,

KNSN<sup>+</sup>09, LBNBM13, MXC<sup>+</sup>21, MHS<sup>+</sup>20a, MHS<sup>+</sup>20b, MK12, OvdSN94,

PPSVC<sup>+</sup>13, REG<sup>+</sup>15, SKT01, TMR<sup>+</sup>21, VTGC19, VNH<sup>+</sup>23, WBA<sup>+</sup>22,

WW02, ZDM<sup>+</sup>20, ASFB<sup>+</sup>13, AH15, BWMGCB08, BF12, CRPS<sup>+</sup>15,

DAvD<sup>+</sup>21, DHB<sup>+</sup>21, EBR<sup>+</sup>14, FB01, FGL<sup>+</sup>23, HKL<sup>+</sup>15, HPS<sup>+</sup>01, HZD<sup>+</sup>23,

HHR<sup>+</sup>19, HKPV12, HSL96, KTN14, Kat18, KKNT23, KAG<sup>+</sup>19, KGJ<sup>+</sup>10,

MAB<sup>+</sup>11b, MJC<sup>+</sup>17, NDEG22, NRA17, PTM<sup>+</sup>22, RHB23, RHM<sup>+</sup>19,

SLBR18, SCHBC<sup>+</sup>22, SNR<sup>+</sup>10, SCS<sup>+</sup>18, SAB<sup>+</sup>22, SST<sup>+</sup>17, SPB93, TKSI08,

TTB<sup>+</sup>08b, VBL04, XYL<sup>+</sup>22, YYT<sup>+</sup>14, ZKK<sup>+</sup>16]. **impacted**

[MGC<sup>+</sup>18, PBB<sup>+</sup>20]. **impacting** [CGD<sup>+</sup>18, HPNDC15]. **Impacts**

[BDTC15, BDT<sup>+08</sup>, GPEV20, HLFL23, HDA<sup>+16</sup>, INI<sup>+17</sup>, KKKY10, KMS<sup>+24</sup>, LM10, RCB<sup>+20</sup>, XLL<sup>+20</sup>, ALG<sup>+21</sup>, CDTM<sup>+21</sup>, CTA16, CWS<sup>+21</sup>, DNNN16, DAIS10, GMD<sup>+22</sup>, HMWM00, HRSM08, HWLT10, HSC<sup>+16</sup>, HBW17, HWF<sup>+21</sup>, KS15, LSH<sup>+22</sup>, MVN<sup>+15</sup>, McI10, MBH<sup>+01</sup>, MS00, MVV<sup>+19</sup>, MST<sup>+23b</sup>, OHH<sup>+22</sup>, PFHM16, PL01, PG10, Pra97, RDD<sup>+18</sup>, RCSA01, RAB<sup>+11</sup>, RKC<sup>+10</sup>, SBM<sup>+23</sup>, TNGP22, TKW06, TPRS10, THM<sup>+14</sup>, UBB<sup>+23</sup>, WSL20, WJPHB15, YZX<sup>+23</sup>, ZLKO00]. **impaired** [dJSL<sup>+20</sup>]. **impedes** [MLHE23]. **imperative** [KN10, KN11]. **imperfect** [BECA22]. **implement** [CP10]. **Implementation** [MPC12, SJP10]. **implemented** [BFPS06]. **implication** [AYH<sup>+23</sup>, FZY<sup>+23</sup>, Gam14, STHM02, TvG02]. **Implications** [BSA06, CCS<sup>+21</sup>, Gal17, INI<sup>+17</sup>, IHT<sup>+21</sup>, LLL<sup>+11</sup>, Law04, LRGV<sup>+18</sup>, NGPH10, OBD<sup>+20</sup>, OOTA15, Ric01, RS10, RLR<sup>+18</sup>, SSS<sup>+11</sup>, SFS<sup>+12</sup>, SBH<sup>+14</sup>, SMN<sup>+14</sup>, THM<sup>+14</sup>, Ang89, BHM<sup>+15</sup>, BEP02, BD18, CB06, CGB<sup>+23</sup>, DVB<sup>+18</sup>, GAF15, HRSM08, IHY<sup>+01</sup>, JC04, JCF<sup>+23</sup>, JG90, LL21, Mor91, PWZ<sup>+16</sup>, Reb02, RGM01, RCSHW22, SJ18, SPW22, TWBC<sup>+13</sup>, TCF<sup>+18</sup>, VB14, WWL<sup>+22</sup>, WBH15, WL16, ZL01, ZHD<sup>+20</sup>]. **implied** [CBB<sup>+22a</sup>]. **Importance** [HLK13, She65, BCR<sup>+13</sup>, CLSP17, CMC<sup>+16</sup>, CLB<sup>+13</sup>, DWC06, HFS<sup>+20</sup>, LZF<sup>+24</sup>, LM14, MDC<sup>+07</sup>, MCH<sup>+12</sup>, RGC<sup>+01</sup>, SRT<sup>+18</sup>]. **important** [KFH<sup>+15</sup>, NXT<sup>+17</sup>, SFS<sup>+12</sup>, SSV<sup>+11</sup>, VBA<sup>+18</sup>]. **improve** [CTMV<sup>+14</sup>, MAFS<sup>+22</sup>]. **Improved** [HHWW20, TAM<sup>+13</sup>, RAB<sup>+11</sup>]. **Improvement** [PPVG12]. **Improving** [CDB<sup>+24</sup>, KM22, PRC<sup>+20</sup>, HKL<sup>+15</sup>]. **in-** [Mil14, Sek88]. **In-flight** [Sac16]. **in-flow** [CTP<sup>+18</sup>]. **in-situ** [BGR<sup>+15</sup>, SNS<sup>+22</sup>, NIF<sup>+15</sup>]. **incidence** [YHRT22]. **incidental** [HYM<sup>+12</sup>]. **incised** [JFEC13]. **Including** [MCH<sup>+12</sup>, BFP<sup>+18</sup>, PMG15, TGJT09, ZHSMM14]. **inclusive** [CSH<sup>+23</sup>]. **Incoherence** [CGW<sup>+22</sup>]. **Incoherent** [CZW<sup>+22</sup>]. **incoming** [ZKT88]. **Incongruous** [Wil87]. **Incorporating** [Arb22, KMB01, FPS<sup>+13</sup>, PRC<sup>+20</sup>]. **increase** [CKB<sup>+17</sup>, Cra09, LAP10, SDGVE17]. **Increased** [SPW22, DBJ<sup>+15</sup>]. **Increases** [Woo18, AvD15, HLTB<sup>+17</sup>, PPSV<sup>+18</sup>]. **increasing** [RPG<sup>+18</sup>, VFS<sup>+15</sup>]. **increment** [ATT<sup>+08</sup>]. **incubation** [SFAD<sup>+90</sup>]. **Incursion** [ZJZ<sup>+21</sup>]. **Independence** [TWMY08]. **independent** [CDDF11]. **Index** [FHG03, SMG02, Ano63b, Ano63d, Ano64c, Ano64e, Ano65a, Ano65b, Ano65j, Ano65k, Ano69a, Ano69d, Ano73a, Ano73e, Ano85b, Ano85k, Ano86a, Ano87i, Ano89l, Ano90d, Ano90e, Ano92a, Ano92j, Ano93g, BCGN<sup>+18</sup>, CWS<sup>+21</sup>, KC15, PM13, SMN<sup>+14</sup>, dMM69]. **India** [JJA<sup>+13</sup>, JJA<sup>+17</sup>]. **Indian** [Ang79a, ABP<sup>+23</sup>, JHM<sup>+22</sup>, KRL08, PFE10, PAF<sup>+11</sup>, RHB23, SBC<sup>+16</sup>, SMP07, ZQWP23, AMY<sup>+23</sup>, ATC<sup>+19</sup>, Ano94c, CVBG21, CGS23, CRF<sup>+10</sup>, DAvD<sup>+21</sup>, Fai65, GCV<sup>+24</sup>, GCS91, HGT16, HBW17, ICB<sup>+19</sup>, KS06, LvBS<sup>+24</sup>, LSW<sup>+21</sup>, MNS<sup>+24</sup>, MST<sup>+23a</sup>, MKM93, MMF<sup>+07</sup>, MYH<sup>+22</sup>, MBKS08, MFA<sup>+15</sup>, NST<sup>+23</sup>, PTP<sup>+22</sup>, PS23, Rei03, RGE22, SM01, SDS02, SDS22a, SVU02, SAM<sup>+10</sup>, SW22, SSN23, SR15, SKCP23, VSA<sup>+21</sup>, VVV21, VMA<sup>+24</sup>, Wis65, XWW<sup>+21</sup>]. **Indian-Ocean**

[MYH<sup>+22</sup>]. **indicate** [ECFT20]. **indicates** [dJSL<sup>+20</sup>]. **indications** [AHRT90, WZ04]. **Indicator** [RCM<sup>+03</sup>, HSMLDC<sup>+22</sup>, LML<sup>+23</sup>, SON<sup>+20</sup>]. **indicators** [Don65, DPH<sup>+18</sup>, GRDS10, PL09, SKGS20, STGR<sup>+14</sup>, TSS<sup>+12</sup>, WFD<sup>+07</sup>, YFK21]. **indices** [DBR03, GRLS14, GSVB23, HPW10, PCSMC12, SW22, TNC<sup>+09</sup>, TCL20, WPH<sup>+10</sup>, YHLA<sup>+04</sup>]. **indigenous** [SL13]. **indirect** [LGK<sup>+93</sup>]. **indirectly** [Szu12]. **Individual** [BEP02, BSH<sup>+20</sup>, BLT<sup>+08</sup>, BAP<sup>+22</sup>, CMS<sup>+13</sup>, DSBP15, GBH<sup>+20</sup>, JAC<sup>+12</sup>, PGS<sup>+22</sup>, SK17, TMR<sup>+21</sup>, WPB05]. **Individual-based** [BEP02, BSH<sup>+20</sup>, BLT<sup>+08</sup>, CMS<sup>+13</sup>, DSBP15, GBH<sup>+20</sup>, JAC<sup>+12</sup>, PGS<sup>+22</sup>, WPB05]. **Indonesia** [SNR<sup>+10</sup>]. **Indonesian** [MMF<sup>+07</sup>, PCBA<sup>+20</sup>]. **induce** [LPHL<sup>+05a</sup>]. **induced** [BBB<sup>+14</sup>, BHPC06, CDH<sup>+13</sup>, CLB<sup>+14</sup>, CKL<sup>+14</sup>, Dav85, FLDF22, GML<sup>+23</sup>, HZCZ16, HE07, HCGK11, KKB00, LOO22, MLL<sup>+22</sup>, MMGL<sup>+07</sup>, NTU<sup>+14</sup>, NNM<sup>+21</sup>, OC06, PPSVC<sup>+13</sup>, SZG06, Szu12, TSAM<sup>+22</sup>, TS10, VBM21, XD96, YHLA<sup>+04</sup>, Yux88]. **induces** [DBR20]. **Industrial** [CBD<sup>+24</sup>]. **Industrialised** [Ang80]. **inermis** [CNT<sup>+19</sup>]. **Inertial** [Hen73, HLFL23, IAN13, KWI20, LZL<sup>+22</sup>, Lie88, LCZ<sup>+24</sup>, PTM<sup>+22</sup>, SSL07, WLCG23]. **infaunal** [IVR<sup>+13</sup>]. **infer** [TSS<sup>+12</sup>]. **inference** [Egb97, HMX<sup>+23</sup>]. **inferences** [OPG<sup>+10</sup>]. **inferred** [ADS<sup>+22</sup>, BSF95, CDDF11, FCN<sup>+19</sup>, HLSX22, OMS<sup>+09</sup>, OÁT<sup>+05</sup>, PPHM18, PCBA<sup>+20</sup>, SBC<sup>+16</sup>, SOB<sup>+08</sup>, SCC14, TBS<sup>+19</sup>]. **inflated** [HLM<sup>+16</sup>]. **inflow** [GHF<sup>+21</sup>, HØH<sup>+03</sup>, MM01, MIN<sup>+20</sup>, NBHM01, RBR<sup>+23</sup>, RKS<sup>+15</sup>, Woo18, ZBRJ23]. **Influence** [AGS10, AJHC19, AG22, CSV<sup>+07</sup>, CPG08, DOP87, FVLC<sup>+23</sup>, GdRGC<sup>+14</sup>, KM10, KTW<sup>+22</sup>, Lav09, MJA<sup>+07</sup>, NKK<sup>+05</sup>, PFE10, ST03, SHd13, SJJ<sup>+03</sup>, SBG16, SJD10, SLH<sup>+19</sup>, WCX<sup>+21</sup>, WPB<sup>+08</sup>, XNT<sup>+17</sup>, YAK<sup>+08</sup>, AR18, BRG<sup>+23</sup>, CLSD18, CGW<sup>+22</sup>, CPPPEAG22, CdTH<sup>+16</sup>, CS03, CBD<sup>+24</sup>, Cra09, Dri11, GSVB23, GGJ<sup>+10</sup>, GTS<sup>+21</sup>, GiKX22, HWL<sup>+20</sup>, JHW<sup>+14</sup>, KAK<sup>+22b</sup>, LSXT01, LPF<sup>+18</sup>, MBP<sup>+11</sup>, MHTG10, MRBS<sup>+24</sup>, MHCR<sup>+12</sup>, NGNV12, Ore69, PJS<sup>+22</sup>, PLEF<sup>+23</sup>, QOS<sup>+22</sup>, RBNJ<sup>+12</sup>, RHB23, RBHLA04, SLM<sup>+16</sup>, SMR<sup>+20</sup>, STEB16, Sek86, SNZ<sup>+20</sup>, SCC<sup>+19</sup>, SBD<sup>+07</sup>, SK21, SPN98, TSG<sup>+04</sup>, TDK<sup>+16</sup>, ZPY<sup>+20</sup>, ZZWL06, vRGW10]. **influenced** [BEP02, GCFS06, IVT<sup>+12</sup>, RFSCF19, SM05]. **influences** [BPF06, BMG13, BECR<sup>+22</sup>, CSG<sup>+15</sup>, HEF<sup>+12</sup>, MVBC<sup>+21</sup>, PTP<sup>+22</sup>, Qiu15, SWZS<sup>+21</sup>, WHS<sup>+23</sup>]. **influencing** [DCD<sup>+23</sup>, LZCZ05, SNMW10, XD96, vHMDL14]. **info** [Ano13h, Ano13i, Ano13j, Ano13k, Ano14a, Ano14b, Ano14c, Ano14d, Ano14e, Ano14f, Ano14g, Ano14h, Ano14i, Ano14j, Ano14k, Ano15a, Ano15b, Ano15c, Ano15d, Ano15e, Ano15f, Ano15g, Ano15h, Ano15i, Ano15j, Ano15k, Ano15l, Ano16a, Ano16b, Ano16c, Ano16d, Ano16e, Ano16f, Ano16g, Ano16h, Ano16i, Ano16j, Ano17b, Ano17c, Ano17d]. **inform** [FACM<sup>+23</sup>]. **Information** [Mol22, AGD<sup>+18</sup>, BTNK13, BBE<sup>+03</sup>, BMN19, BDE03]. **informed** [WPA<sup>+24</sup>]. **infragravity** [LH08]. **infrared** [VNMS91]. **infusion** [RG03b]. **ingestion** [BD20]. **inhabiting** [GVBV<sup>+21</sup>]. **Inherent** [LC10, SRG<sup>+19</sup>, HHMB<sup>+09</sup>, WMB<sup>+18</sup>]. **initial** [AHGRAL23, HHMB<sup>+09</sup>].

**initiation** [KFM15, RHM<sup>+</sup>19]. **Initiative** [MP13]. **Inland** [YFY<sup>+</sup>22, Ber65a]. **Inlets** [TSC03]. **Inner** [FCN<sup>+</sup>19, BD18, CAB<sup>+</sup>18, CP02, MG02, PHC<sup>+</sup>19, TNC<sup>+</sup>09]. **inner-shelf** [TNC<sup>+</sup>09]. **Inorganic** [FWBC02, JCF<sup>+</sup>23, DGH<sup>+</sup>20, HLR17, Kit03, KFC<sup>+</sup>23, RBR<sup>+</sup>23, SRF<sup>+</sup>19, SAM<sup>+</sup>04, ZSY<sup>+</sup>22]. **input** [XY20]. **inputs** [aHFS92, MTC14, OAD22, PBB<sup>+</sup>20, TSRF14]. **INSAT** [SNS<sup>+</sup>22]. **INSAT-3D** [SNS<sup>+</sup>22]. **Inshore** [CSG<sup>+</sup>15, BHAJ12, KLC<sup>+</sup>15]. **Insight** [AIHB<sup>+</sup>07, ALM<sup>+</sup>23, QLY<sup>+</sup>22, SF02, Ste12, YTL<sup>+</sup>19]. **Insights** [ATC<sup>+</sup>19, BK19, DOS<sup>+</sup>18, HPZC21, LSV14, MPMFL<sup>+</sup>23, McI10, PPCWJ18, SMN<sup>+</sup>13, VBAC<sup>+</sup>21, YNMY23, YSY<sup>+</sup>19, Yas07a, AEP<sup>+</sup>23, ÁSFP<sup>+</sup>03, BRB<sup>+</sup>01, CS16, DFD23, DDK<sup>+</sup>18, GBT<sup>+</sup>19, MSd<sup>+</sup>16, NBHM01, SSKA19, Sch03, Woo18, CDH<sup>+</sup>13]. **instabilities** [SÖÜ94b]. **Instability** [WLL06, Hog85, VMN08]. **Institutional** [MCB<sup>+</sup>10]. **instrument** [Dah69]. **Instrumental** [Szu12, Jer65]. **instrumentation** [SFAD<sup>+</sup>90]. **instrumented** [NBLI20, PHC<sup>+</sup>19]. **insular** [CMM<sup>+</sup>04, GIPG17]. **Integrated** [CCM<sup>+</sup>13, BKC15, DPH<sup>+</sup>18, DPR<sup>+</sup>18, FMP19, HFS<sup>+</sup>20, HMO<sup>+</sup>13, JHDT12, KSE<sup>+</sup>09, MCH<sup>+</sup>12, PM13, PHD<sup>+</sup>18, PV18, Val99b, WPH<sup>+</sup>10]. **Integration** [RKC<sup>+</sup>10, BMB<sup>+</sup>16, CFM<sup>+</sup>18, JTGM10]. **Integrative** [Ano09h, FBA09, JGB20, HAA<sup>+</sup>14, JZ19, MCB<sup>+</sup>10, SMN<sup>+</sup>13]. **integrators** [ESTM13]. **Intense** [ZCLS20, BBB<sup>+</sup>14, MPN09, PPdM<sup>+</sup>12, RCC<sup>+</sup>18]. **intensified** [MKOLA20]. **intensifies** [PLN<sup>+</sup>23]. **intensity** [AE09, BAOC<sup>+</sup>09, FP03, GvOS<sup>+</sup>08, LFI<sup>+</sup>13, MK12, PLK14, ST03, Whe06]. **Inter** [DBM17, FCN<sup>+</sup>19, HS07, LMPB<sup>+</sup>16, MTC12, SNZ<sup>+</sup>20, AMFY20, AMG<sup>+</sup>16, BCOL<sup>+</sup>19, CLL<sup>+</sup>18, DZ04, EHG<sup>+</sup>07, FBS<sup>+</sup>18, GLLB22, HDZY15, LW13, MB20, MCGR07, NRA17, OACB<sup>+</sup>15, PVA24, dIPHF<sup>+</sup>15]. **Inter-annual** [DBM17, FCN<sup>+</sup>19, LMPB<sup>+</sup>16, MTC12, SNZ<sup>+</sup>20, AMFY20, AMG<sup>+</sup>16, BCOL<sup>+</sup>19, CLL<sup>+</sup>18, DZ04, EHG<sup>+</sup>07, GLLB22, HDZY15, LW13, MCGR07, NRA17, OACB<sup>+</sup>15]. **Inter-basin** [HS07, dIPHF<sup>+</sup>15]. **inter-connected** [FBS<sup>+</sup>18]. **inter-ocean** [MB20]. **Interaction** [MSd<sup>+</sup>16, KBE<sup>+</sup>22, KAH<sup>+</sup>16, LC22, LSW<sup>+</sup>21, SMFM<sup>+</sup>21]. **Interactions** [MMF<sup>+</sup>07, PPY87, Val99a, AUE<sup>+</sup>14, BLP<sup>+</sup>20, CDP14, DRVMC<sup>+</sup>22, Due77, Fly03, GCG<sup>+</sup>14, HBG<sup>+</sup>21, MPM<sup>+</sup>18, Pie01, RBL90, SCD<sup>+</sup>07, WLKM10, YLL19]. **Interannual** [AAMB<sup>+</sup>24, AUE<sup>+</sup>14, BGMP03, DWNN04, DCS<sup>+</sup>22, ESTM<sup>+</sup>12, GFGGD<sup>+</sup>23, IAFD02, LAA12, LBC<sup>+</sup>23, LBSP01, MPV12, Min02, MWO<sup>+</sup>12, NNM<sup>+</sup>21, PELAA18, PO00, RBE<sup>+</sup>12, SiSI<sup>+</sup>02, TBW09, Wu13, YNM<sup>+</sup>02, BMM01, BPM<sup>+</sup>14, CHC<sup>+</sup>12, CD07, CRHM12, FDHT05, GdRGL<sup>+</sup>01, GA10, GCED22, GTS<sup>+</sup>21, HBD<sup>+</sup>18, IIS<sup>+</sup>17, Iwa23, JAS<sup>+</sup>20, KST<sup>+</sup>10, Kat18, KSK<sup>+</sup>15, LS12, LBD11, MZH<sup>+</sup>23, MT99, MM99, OLH<sup>+</sup>18, PV07, PFW15, PD15, PTI00, RWD01, RDP<sup>+</sup>21, SLM<sup>+</sup>16, SAM<sup>+</sup>10, SAB<sup>+</sup>21, Spr08, SJM<sup>+</sup>19, TBS<sup>+</sup>19, XWW<sup>+</sup>21, YIY<sup>+</sup>04, YKS<sup>+</sup>12, YBPS08, PLJR22]. **Interannual-** [BGMP03]. **interbasin** [EMK<sup>+</sup>17]. **Intercalibration** [JF13, TSG<sup>+</sup>04]. **Intercomparison** [BSFM<sup>+</sup>12, NH88b, SWP<sup>+</sup>13b, BEI<sup>+</sup>20, BRB<sup>+</sup>01, BDBJ01, NP00]. **Interdecadal**

[FBM<sup>+</sup>08, MNM06, MS00, MM99, MJWK07, RGM01, GCED22, Min02, PO00].  
**interdisciplinary** [WH89]. **interface**  
 [CDS90, CEF<sup>+</sup>13, SvWRvB02, SFAD<sup>+</sup>90, VPW01]. **interglacial**  
 [Bro82, DPB06, HM98]. **interior**  
 [HMKF08, ÖÜT93, TSRF14, WFR07, WC15, SDK84]. **interleaving** [Rud03].  
**Intermediate**  
 [EMU21, MWJ<sup>+</sup>08, NIC<sup>+</sup>19, PL18, ZSI<sup>+</sup>05, BLC23, CS18, DL17, HVS10,  
 HGD22, KON14, LF12, MFS<sup>+</sup>16a, MFS<sup>+</sup>16b, MSGGM18, YTB<sup>+</sup>21].  
**intermittent** [GMR<sup>+</sup>23, SSB14]. **Internal**  
 [AHD18, HNSP<sup>+</sup>19, TYO<sup>+</sup>14, VOT<sup>+</sup>99, ZZPL18, vHVAT22, Arb22,  
 BPSGP<sup>+</sup>23, CGW<sup>+</sup>22, CZW<sup>+</sup>22, ESA<sup>+</sup>13, GXX<sup>+</sup>22, GLPC23, GCG<sup>+</sup>14,  
 GC14, Hey78, HLFL23, HHZ<sup>+</sup>22, HWF<sup>+</sup>21, ITO<sup>+</sup>14, JFUR20, KWI20, Kra69,  
 Li14, LCZ<sup>+</sup>24, MZZ<sup>+</sup>23, NP00, PM85, RM97, Ric94, RHB23, RPSVLS14,  
 SMFM<sup>+</sup>21, WGM<sup>+</sup>24, XDG<sup>+</sup>23, XD96, XHC<sup>+</sup>20, YHZ<sup>+</sup>22, ZCA21, ZQWP23].  
**internal-wave** [HWF<sup>+</sup>21]. **International**  
 [JLS<sup>+</sup>22, LM10, BPW10, KY15, ZNR<sup>+</sup>24, MHA<sup>+</sup>11, Rud15]. **Internet**  
 [CAO<sup>+</sup>20]. **interpentadal** [MW96]. **Interplay**  
 [CTI<sup>+</sup>19, HM06, CRT<sup>+</sup>22, RGPB<sup>+</sup>23, RA15]. **interpolation**  
 [Egb97, MPSS91, SBM91]. **interpretation** [GAM98b, McD81b].  
**interrupted** [KO19]. **interspecific** [MDR20]. **intertidal**  
 [BRR<sup>+</sup>22, BWB<sup>+</sup>09]. **interzonal** [KST03]. **Intra**  
 [FKZ<sup>+</sup>15, RCS<sup>+</sup>11, SGS<sup>+</sup>23, SGR<sup>+</sup>22]. **Intra-annual** [SGS<sup>+</sup>23, SGR<sup>+</sup>22].  
**Intra-regional** [RCS<sup>+</sup>11]. **Intra-seasonal** [FKZ<sup>+</sup>15]. **intracellular**  
 [BPA<sup>+</sup>21]. **Intraseasonal** [BPSN<sup>+</sup>21, QLY<sup>+</sup>22]. **intricate** [SBMB18].  
**Intrinsic** [CD07, CPSM20, PMA<sup>+</sup>14]. **Introducing** [GLF<sup>+</sup>17].  
**Introduction** [Ano65g, Ano10a, BPW10, CBB<sup>+</sup>02, CB91, FL06, ITM86,  
 JM88, LK13, LM10, O'B83, PAB<sup>+</sup>87a, PBH<sup>+</sup>10, SRM<sup>+</sup>10, SBB<sup>+</sup>14, Tak88,  
 TT05, AB00, BR01, CH07b, HMWM00, JW01a, MBH<sup>+</sup>01, Peñ03b, RG03a,  
 RG03b, SSM<sup>+</sup>90b, SB69, TP00, Was06, vWM02a, RAB<sup>+</sup>84]. **introductory**  
 [Ang79a]. **Intrusion** [ZSY<sup>+</sup>22, BLR<sup>+</sup>23b, NXY15, WST<sup>+</sup>21, YYC<sup>+</sup>18,  
 YYhT<sup>+</sup>17, YMK<sup>+</sup>04, YLY<sup>+</sup>14]. **intrusions**  
 [ÖÜT93, RK03b, RR03, TG81, VKT15, YN03a]. **inundation** [CLB<sup>+</sup>14].  
**invasion** [RSB<sup>+</sup>15]. **invasive** [FVA<sup>+</sup>19, YFK21]. **inventories** [KKS<sup>+</sup>03].  
**inventory** [CPG<sup>+</sup>18, YT06]. **Inverse**  
 [VBL04, APHGC<sup>+</sup>22, Ben85, FTG<sup>+</sup>11, HNL14, Suk88, SMP07]. **inversion**  
 [BGV<sup>+</sup>23, Egb97]. **invertebrate**  
 [AIA<sup>+</sup>15, BJ90, QCdS<sup>+</sup>07, RNBP<sup>+</sup>19, SLPA<sup>+</sup>20, Wil87]. **invertebrates**  
 [ALT10, KO19, MKSvA<sup>+</sup>22, PPHM18, Sok90]. **inverted** [ZZPL18].  
**investigate** [LAHI10]. **investigated** [TFZS14]. **Investigating**  
 [LOBG<sup>+</sup>10, BN03, TSJC07, VBL04]. **Investigation**  
 [BDP<sup>+</sup>06, BFPS06, LvBS<sup>+</sup>24, PFE10, ZCH<sup>+</sup>17, dLLdAWL<sup>+</sup>23, Ano94c,  
 BH07, GLPC23, JX18, MKM93, Sei63, TCN20, WCX<sup>+</sup>21]. **investigations**  
 [KFM15, WTT14]. **IOD** [LSW<sup>+</sup>21]. **IOD-ENSO** [LSW<sup>+</sup>21]. **iodine**  
 [TBW00, ZSY<sup>+</sup>22]. **ion** [Due77]. **ion-water** [Due77]. **Ionian**

[SK21, KK20, MRMD<sup>+</sup>97]. **ions** [CS89]. **IPCC** [LSS<sup>+</sup>10, SYB<sup>+</sup>15, SAB<sup>+</sup>22]. **IPCC-class** [SAB<sup>+</sup>22]. **Ireland** [CJMO87, PMM<sup>+</sup>23]. **Irish** [DJ92, HHB<sup>+</sup>00, LML<sup>+</sup>23]. **Irminger** [HRA<sup>+</sup>08, PM22, SIR<sup>+</sup>07]. **Iron** [AYK<sup>+</sup>05, DTKvH15, KTN14, KNI<sup>+</sup>05, NHN<sup>+</sup>21, Qiu15, TRP<sup>+</sup>23, AIHB<sup>+</sup>07, Ban96, BB14, FYYC05, KIS<sup>+</sup>05, NNO<sup>+</sup>14, NKK<sup>+</sup>05, Peñ03a, RTF<sup>+</sup>05, SSH<sup>+</sup>05, SWT<sup>+</sup>17, SHS<sup>+</sup>05, TT05, TSNO05, TKK<sup>+</sup>05, TNS<sup>+</sup>05, UNN<sup>+</sup>14, VMN08, WCC<sup>+</sup>20, YFY05, ZCD08]. **iron-depleted** [AIHB<sup>+</sup>07]. **iron-enrichment** [TT05, TKK<sup>+</sup>05]. **iron-fertilization** [TSNO05]. **iron-fertilized** [TNS<sup>+</sup>05]. **iron-replete** [AIHB<sup>+</sup>07]. **irradiance** [Ban96, BD18]. **Irregular** [Par65]. **irregularity** [OAM00]. **irrigation** [PMDR06]. **ISBN** [Ang79a, Ang88, Bak83, Hof81, SW81]. **Ischnomesidae** [BBFS19]. **Isfjorden** [SON<sup>+</sup>20]. **Isidella** [PRA<sup>+</sup>18]. **Island** [DWNN04, SCB<sup>+</sup>16, VSGD21, GDN<sup>+</sup>18, RM97, YHLA<sup>+</sup>04, FHG03, KMOM88, MFM15, WLKM10]. **island-induced** [YHLA<sup>+</sup>04]. **Islands** [CCRS20, PMC21, TSFA22, PMG15, AGL<sup>+</sup>15, BAM<sup>+</sup>09, BA04, BATNP04, CPG08, DMBHG10, FWO15, GASV<sup>+</sup>09, HMB<sup>+</sup>86, PVB23, RZW<sup>+</sup>23, TOiF<sup>+</sup>12, TMH<sup>+</sup>16]. **Isles** [HHWW20]. **isoirradiance** [LRAE23]. **isolated** [JP90]. **isopod** [RK20]. **Isopoda** [BBFS19, MB20, GM19, JLRB20]. **isopods** [BLES16, CF20, JGB20, SBS90]. **isopycnal** [CM18b, KY23, RLC85, Tom81b]. **isoscapes** [HOY<sup>+</sup>21b]. **Isoscapes** [OMK<sup>+</sup>22, ALM<sup>+</sup>23, MRA<sup>+</sup>19, OPH<sup>+</sup>24]. **isothermal** [Due77]. **Isotope** [CSG<sup>+</sup>15, AYH<sup>+</sup>23, BAO<sup>+</sup>07, CSK<sup>+</sup>12, CDP14, EiIT<sup>+</sup>22, GWM<sup>+</sup>22, IBW<sup>+</sup>01, Kli10, KSS<sup>+</sup>23, KSG<sup>+</sup>17, KAAK<sup>+</sup>16, LSV14, MRAP22, OPG<sup>+</sup>10, PPHM18, QOS<sup>+</sup>22, SF02, SM16, VKGP<sup>+</sup>13, YAI<sup>+</sup>14]. **isotopes** [BGA<sup>+</sup>21, CGC<sup>+</sup>20, ESTM13, GSPP<sup>+</sup>20, LvBS<sup>+</sup>24, LCJ<sup>+</sup>17, PYKF15, SBC<sup>+</sup>16, SHC<sup>+</sup>06, SHC<sup>+</sup>07, WST<sup>+</sup>21]. **Isotopic** [WWL<sup>+</sup>22, WRS<sup>+</sup>92, WLP<sup>+</sup>21, CSC<sup>+</sup>12, DDCE<sup>+</sup>23, ESTM<sup>+</sup>12, FMC<sup>+</sup>15, GDM<sup>+</sup>20, LCBN14, NAH<sup>+</sup>21, Ola65b, OPH<sup>+</sup>24]. **Issue** [BDB<sup>+</sup>22, LM10, SBB<sup>+</sup>14, FJhT<sup>+</sup>14, MSI17, RW97, SGPdM18]. **issues** [ORMB08, Zav99]. **Istiophorus** [RLL<sup>+</sup>09]. **Italia** [CPB<sup>+</sup>15]. **Italian** [Sel65]. **Italy** [Pir87, CBB<sup>+</sup>19, CBB<sup>+</sup>22b]. **itself** [UAM05]. **IV** [Hau84]. **Ivanovich** [Ano20u].

**J** [Ang80, Ang88]. **J.** [Dea85]. **jack** [ABE<sup>+</sup>15, ACN01, BHH<sup>+</sup>16, EiIT<sup>+</sup>22]. **James** [Ang80]. **January** [GSPMAI99, KSPK99, TBK<sup>+</sup>99, Ano98a, Ano99b, Ano00a, Ano02b, Ano03c, Ano04c, Ano05d, Ano06a, Ano07k, Ano08o, Ano13p, Ano14p, Ano15o, Ano16m, Ano18k, Ano19k, Ano20n, Ano21o, Ano22v, Ano22-27, Ano22-28, Ano23o, Ano24e, KDB95]. **Japan** [hHCK01, KKK<sup>+</sup>04b, LXC<sup>+</sup>22, AB90, CTL<sup>+</sup>04, CS03, DWNN04, DZ04, Gam14, HFO90, Igu04, Ike88, IHY<sup>+</sup>01, IMW<sup>+</sup>14, JJL<sup>+</sup>19, KKK04a, KKS<sup>+</sup>03, KWI20, KKKs14, KNS<sup>+</sup>03, KOT<sup>+</sup>21, KTIT22, MGKW19, MLD<sup>+</sup>03, NEI<sup>+</sup>22, NH88a, NMK<sup>+</sup>03, NKK03, Nof00, SN24, Sek86, Sek88, SS03, Soh03, Sud86, TMN<sup>+</sup>12, TTL<sup>+</sup>04, TKW06, TKWI08, iUMY86, WGM<sup>+</sup>24, WHT86, YIY<sup>+</sup>04, YNMY23, YYK88, YPM<sup>+</sup>10, YFY<sup>+</sup>22, YAK13, ZLS<sup>+</sup>04, YJW88].

**Japan/East** [CS03, TKW06, TKWI08, YIY+04, ZLS+04]. **Japanese** [CLB+14, SKH+23, YFY+22]. **japonica** [GC09]. **japonicus** [GiIKX22, HSGJ23, TMÁGC+21, ZL01]. **jashnovi** [NMN08]. **Jay** [GWGR+19]. **JCOPE2** [CMG15]. **jellyfish** [BDC+08, CRT+22, DBC+23, RBE+12]. **Jersey** [JKBH87]. **Jerusalem** [NF87]. **Jervis** [TSC03]. **JES** [YIY+04]. **jet** [Kos02]. **jets** [RFPG15]. **JGOFS** [CBM+21, JvdLL+15, MB05]. **Jiaozhou** [LZCZ05]. **Johanssonia** [UKK+19]. **John** [Ano85a]. **Jones** [DGP+13, EMBS13, LTSG13, MEST13, PIS13]. **Juan** [MPM+18, SZG06]. **Juby** [ABT+04]. **July** [Ano03a, Ano04d, Ano05c, Ano06d, Ano07m, Ano08n, Ano09i, Ano20o, Ano21p, Ano22w, Ano22-29, Ano22-30, Ano23p, YYC+18]. **jumbo** [ATT+08, BGM+10]. **June** [Ano09h, Ano22-31, Ano22-32, YJW88, Ano98d, Ano10k, Ano14q, Ano15m, Ano16q, Ano17q, Ano20p, Ano21q, Ano22x, Ano23q, HBV+10, KTB+99, KMU+12, SLBVRR+22]. **juvenile** [DIQJ21, EKB06, EiT+22, FMM+20, GA10, LMM03, SBL+23, YGL+10].

**Kalmaegi** [WZC20]. **Kalman** [MZGA+20]. **Kamchatka** [AM19, AP20, BBFS19, BC19, BBRM20, CES+19, CP19, CBL+19, FTHK19, GKR20, GM19, GHSC19, JPB20, JGB20, Kam19, KCBS20, KKS+19, MA20, MB20, MDG+19, NHN+21, SSKA19, SKF20, SPB19, UKK+19, YTL+19]. **Kara** [HKGH+06]. **Karenia** [BTS+15a, BK19, VMV+23]. **Kashevarov** [RCSA01]. **Katsuwonus** [KAK+22a, PGS+22]. **kelp** [BD18]. **Kelvin** [BDT+08]. **Kerch** [KAG+19]. **Kerguelen** [BCLD+17, DMBHG10, PWZ+16]. **kernels** [HPW10]. **keta** [SKSK06, YWUK15]. **Key** [MST+23b, AHSS22, Ang79a, BGM+99, CAO+20, DP18, GDI+09, GBH+20, MTK+22, TCF+18, HPNDC15]. **Kharlamenko** [Ano20u]. **kill** [VWDF14]. **kill-the-winner** [VWDF14]. **killing** [MPMFL+23]. **kinetic** [LZL+22, LBD11]. **kinetics** [GTR01]. **King** [STC10, BMN19, STEB16]. **Kinorhyncha** [AM19]. **kisutch** [AHC+13]. **kittiwakes** [WFD+07]. **knot** [HPNDC15]. **know** [SMKK21]. **Knowledge** [JPM+08, OELP04, Don87, Eme65, GGT+15]. **Knowledge-based** [JPM+08]. **known** [FTHK19]. **Knudsen** [BBF+22]. **kochi** [BLCL14]. **Kongsfjorden** [AKH+23, HFPS+06]. **Konrad** [SW81]. **Korea** [BC88, FY88, Lie88, MWO+12, Suk88, YMK+04]. **Korean** [KKB00, MK12, RK03a, YN20, YMK+04, ZLKO00, ZL01]. **Korteweg** [NP00]. **Krill** [OACA20, AMY+23, BLP+20, DSBP15, IIM+23, LAA12, LS15, MPSD15, OTNI20, RBPGJ+20, SSS+11, SFS+12, TNGP22]. **Krithe** [YTL+19]. **Kröyer** [CCG07, AHRT90, Ver91]. **KuramBio** [CP19, SKF20]. **Kuril** [AM19, AS20, AP20, BBFS19, BC19, BBRM20, CES+19, CP19, CBL+19, FTHK19, GKR20, GM19, GHSC19, JPB20, JGB20, Kam19, KCBS20, KKS+19, MA20, MB20, MDG+19, NTU+14, SSKA19, SPB19, UKK+19, YTL+19]. **Kurile** [SKF20]. **Kuroshio** [ALV+21, CGW+22, CMG15, CZW+22, HSH97, JC88, Kaw98, KSS+23, LMC+20, MZH+23, NXY15, QNK+22, RI86, STJ+14, TMN+12, TSJ+12,



WCX<sup>+21</sup>, WST<sup>+21</sup>, WWZ19, YYC<sup>+18</sup>, YJ88, YTNK00, YLY<sup>+14</sup>, YYhT<sup>+17</sup>, ZLR<sup>+07</sup>, ZLC<sup>+15</sup>, ZSY<sup>+22</sup>, YJW88]. **kyr** [AVG<sup>+19</sup>, SGF<sup>+19</sup>]. **Kyushu** [Ike88].

**L** [WR03]. **L4** [TAW<sup>+15</sup>]. **labeled** [SCLG<sup>+11</sup>]. **labile** [ÁSDB<sup>+01</sup>, DMD<sup>+00</sup>, DDD<sup>+00</sup>, FPD<sup>+01</sup>, KGdS<sup>+08</sup>, TRMV15]. **lability** [BHHR15]. **Laboratory** [Rud03, FHL<sup>+24</sup>, Sak86, Sch03, VPS09, YN03a, McD81b]. **Labrador** [HMP<sup>+13</sup>, CGV13b, DCL<sup>+13a</sup>, FPY<sup>+16</sup>, HBL<sup>+13</sup>, HHY03, HMP<sup>+13</sup>, KY15, LRS<sup>+03</sup>, LNB13, LWY07, LBD11, MJWK07, PCM11, TDGY22, Yas07b, Yas07c]. **Labrador/Newfoundland** [HMP<sup>+13</sup>, HBL<sup>+13</sup>]. **Lack** [JMSB<sup>+23</sup>, WSH15]. **lagged** [dSSDS<sup>+20</sup>]. **Lagoon** [CKL<sup>+14</sup>, AR18, RTBR<sup>+22</sup>, YAK13, Pir87]. **Lagrangian** [AKAL20, AVS23, BIST01, BBM<sup>+14</sup>, FB01, GL06, HCAFD<sup>+20</sup>, HMS<sup>+22</sup>, JLB<sup>+08</sup>, JW01a, JIT<sup>+01</sup>, LaC08, LOG<sup>+09</sup>, Men21, ORW<sup>+01</sup>, Pra22, SMGL01, Woo05]. **Laila** [MMR<sup>+12</sup>]. **lakes** [SvN04]. **Laminated** [SGO<sup>+08</sup>]. **lampfish** [Kli10]. **lance** [RHBS13]. **Land** [AYH<sup>+23</sup>, GCD<sup>+13</sup>, GHVG19]. **land-** [GHVG19]. **landers** [TDH<sup>+95</sup>]. **landfall** [MK12]. **landscape** [MRH<sup>+18</sup>, SLBH<sup>+19</sup>]. **Lang** [PMG15]. **lanternfishes** [EBM<sup>+21</sup>]. **Laptev** [SPG<sup>+06</sup>]. **Large** [ASB<sup>+08</sup>, BCS09, Bel09, GFB<sup>+15b</sup>, GFB<sup>+15a</sup>, HPB<sup>+09</sup>, KSE<sup>+09</sup>, LBP15, RM89, SH09, TG05, YSY<sup>+19</sup>, ALM<sup>+23</sup>, Bak01, CNT<sup>+19</sup>, CWZ<sup>+20</sup>, CGC<sup>+20</sup>, CRT<sup>+22</sup>, CRF<sup>+10</sup>, DKRL22, DHL<sup>+21</sup>, DTKvH15, ELW06, EBW<sup>+23</sup>, FBB<sup>+21</sup>, FK86, Har05a, Hob10, HWB<sup>+18</sup>, IPD14, ITO<sup>+14</sup>, Kaz17, KGL22, KT04, LMS10, LMH<sup>+13</sup>, LFBP<sup>+13</sup>, MSMR93, Man04, MFB<sup>+84</sup>, MN88, MC88, Mil93a, MSA<sup>+22</sup>, NBLI20, PK02, PZA<sup>+15</sup>, RFFL21, RLGC10, RFS10, RPSC22, SSL08, SJ02c, SJ02b, SMP07, TMN<sup>+12</sup>, YGC<sup>+21</sup>, ZWM<sup>+15</sup>]. **large-amplitude** [ITO<sup>+14</sup>]. **Large-scale** [ASB<sup>+08</sup>, GFB<sup>+15b</sup>, GFB<sup>+15a</sup>, LBP15, SH09, YSY<sup>+19</sup>, ALM<sup>+23</sup>, CNT<sup>+19</sup>, FBB<sup>+21</sup>, HWB<sup>+18</sup>, IPD14, Kaz17, LMH<sup>+13</sup>, MSA<sup>+22</sup>, PZA<sup>+15</sup>, RFFL21, RPSC22, SJ02b]. **large-sized** [KT04]. **larva** [PKA19]. **larvae** [CZG<sup>+21</sup>, DMC<sup>+18</sup>, GGJ<sup>+10</sup>, HLS<sup>+14a</sup>, hHRW<sup>+05</sup>, HCGK11, KSS<sup>+23</sup>, KTIT22, LDAM<sup>+07</sup>, LHC<sup>+21</sup>, MMIB10, MPM<sup>+18</sup>, OCH<sup>+18</sup>, OOTA15, PCSMC12, PPdS21, RKCH15, SOS<sup>+07</sup>, SMPc<sup>+12</sup>, WOW<sup>+14</sup>, Wil87, YCP<sup>+12</sup>]. **Larval** [CHSB<sup>+21</sup>, DPM<sup>+09</sup>, MKSvA<sup>+22</sup>, OAWAN18, RLGC10, ALT10, CDTM<sup>+21</sup>, CZG<sup>+21</sup>, CCM<sup>+14</sup>, CKL<sup>+14</sup>, DCM16, DPGC14, FGGDF<sup>+04</sup>, FB05, GKC<sup>+14</sup>, GCG<sup>+14</sup>, GDM<sup>+15</sup>, HLS<sup>+14a</sup>, HKPV12, HPNDC15, HCGK11, MGKW19, QCdS<sup>+07</sup>, RNBP<sup>+19</sup>, RLL<sup>+09</sup>, RBHLA04, SNV<sup>+18</sup>, SMR<sup>+20</sup>, SCHD23, TTMM<sup>+17</sup>, TKC<sup>+22</sup>, TMR<sup>+21</sup>, VDGGD<sup>+22</sup>]. **laser** [BTNK13, LGL<sup>+18</sup>, PKA19]. **last** [AVG<sup>+19</sup>, CFC<sup>+18</sup>, DYL<sup>+15</sup>, Emi65, LXC<sup>+22</sup>, PBB<sup>+20</sup>, RSB<sup>+01</sup>, RCD<sup>+94</sup>, SGF<sup>+19</sup>, SF02, TKW06, VSGC21, ZLC<sup>+15</sup>, TAF<sup>+22</sup>]. **lasting** [PDV12]. **Late** [EHG<sup>+12</sup>, dWDB<sup>+98</sup>, DLD<sup>+19</sup>, GDM<sup>+15</sup>, HMH07, INI<sup>+17</sup>, KiL14, KMS<sup>+24</sup>, KYS<sup>+17</sup>, SKSK06, ST65, TKWI08, VHV<sup>+12</sup>, YLL19, dFKdLZTT17].

**late-spring** [dFKdLZTT17]. **Late-summer** [EHG<sup>+</sup>12, dWDB<sup>+</sup>98]. **Lateral** [IHT<sup>+</sup>21, SAH<sup>+</sup>21, TPPG10, BHPC06, Mar03, VK92]. **Latest** [RBD<sup>+</sup>07].  
**latitude** [Ang79b, AE09, BVJE19, HSL96, HDA<sup>+</sup>16, KA85, MHS<sup>+</sup>20a, MHS<sup>+</sup>20b, MBD<sup>+</sup>09, RGMPR23, Wu13, ZLC<sup>+</sup>15]. **latitudes** [ABSDC07].  
**Latitudinal** [BMdMS<sup>+</sup>21, BHS<sup>+</sup>15, FWH<sup>+</sup>17, GVKD<sup>+</sup>13, YMA<sup>+</sup>17, BHC<sup>+</sup>18, BGWP<sup>+</sup>17, BTV<sup>+</sup>17, DLL<sup>+</sup>23]. **Law** [War06, dB94]. **Lawrence** [MPN09, HGD22, LBC<sup>+</sup>23, MPSD15]. **Layer** [Car98, SPN98, ATS01, AMEV07, Ano94c, BMK12, BOG20, BTG<sup>+</sup>03, BLC23, CMHM18, CS18, CDP14, DHC<sup>+</sup>20, DGMM85, DVV<sup>+</sup>18, Gam14, HGD22, HFW<sup>+</sup>98, HTdM<sup>+</sup>15, HLS<sup>+</sup>14b, LYS<sup>+</sup>22, MY92, MKM93, McD81a, MSGGM18, NDEG22, NF06, OVR<sup>+</sup>02, PMFNGQ21, PFW15, PNF<sup>+</sup>21, SAT<sup>+</sup>22, SLGI<sup>+</sup>21, TvW98, TvG02, Tsu86, VB14, WZFW16, XHW<sup>+</sup>20, XY21, YTNK00, ZSW<sup>+</sup>22]. **layered** [CGL<sup>+</sup>20, Ros65]. **layering** [PSGVS<sup>+</sup>14]. **layers** [BLMR<sup>+</sup>20, CLG<sup>+</sup>00, DL17, FBT<sup>+</sup>22, GRMB18, GIC20, LRAE23, PVB23, Peñ24, PdMS<sup>+</sup>13, VOJD02b, WGZZ19, ZPC<sup>+</sup>16].  
**lead** [VPM<sup>+</sup>19, SW81]. **leading** [DYO<sup>+</sup>10, HHWW20, OOTA15, YMK<sup>+</sup>04].  
**leaping** [CGW<sup>+</sup>22]. **learn** [JvdLL<sup>+</sup>15]. **learned** [BK08, MLHM09].  
**learning** [CLX<sup>+</sup>20, GL23, PVA24]. **least** [BGL<sup>+</sup>17]. **lecture** [Sie88]. **lee** [HNSP<sup>+</sup>19]. **leeches** [UKK<sup>+</sup>19]. **Leeuwin** [GW91, MB07, TWAL<sup>+</sup>11, WOW<sup>+</sup>14]. **legacy** [Fly10, PDV12]. **legend** [Ano17i, Ano17j, Ano17k]. **legged** [WFD<sup>+</sup>07]. **lemuru** [SNR<sup>+</sup>10]. **length** [LVGH<sup>+</sup>15, SEG<sup>+</sup>22b]. **Lepidochelys** [CdTH<sup>+</sup>16]. **Lepidodinium** [RSM<sup>+</sup>23]. **Lepidopsetta** [LDAM<sup>+</sup>07]. **leptocephali** [FMC<sup>+</sup>15, GDM<sup>+</sup>20, KMF<sup>+</sup>20a, KMF<sup>+</sup>20b, MFA<sup>+</sup>15, MSA<sup>+</sup>22].  
**Leptonychotes** [NRS<sup>+</sup>19]. **Leptosomatidae** [MSFZ19]. **less** [BFR13].  
**Lessons** [BK08, MLHM09]. **Levant** [Ore69]. **Levantine** [ABM<sup>+</sup>05, ÖHÜ89].  
**level** [BHPC06, CDDF11, CJMO87, CAT<sup>+</sup>08, Con87, Den87, Dev87, DPCS87, DOP87, FP15, FK99, FG16, FWL<sup>+</sup>15, GAPM16, HHWW20, HPHW21, JKBH87, KKKS14, LMPB<sup>+</sup>16, Let87, LSMG01, LB20, MTC12, MVS08, NO14, NH88a, NF87, OPH<sup>+</sup>24, PS91, Pir87, PBN13, RN02, ŠVL<sup>+</sup>15, ŠPM<sup>+</sup>22, SAM<sup>+</sup>10, SC65, STR01, SIB<sup>+</sup>06, SSW<sup>+</sup>09, SCS87, Tho87]. **levels** [LLL<sup>+</sup>11, LH08, MPC<sup>+</sup>17, PHFK14, RD11, STM10, SPMVP05, SNMW10, Tan99, WFR07]. **Levitus** [Cai95]. **lie** [CPC88]. **Liebig** [dB94]. **Life** [JAC<sup>+</sup>12, MFB<sup>+</sup>84, Nie07, PRTC13, SSTD<sup>+</sup>95, AHP19, BVJE19, BSF<sup>+</sup>21, BLT<sup>+</sup>08, CGC<sup>+</sup>20, CMS<sup>+</sup>13, CCM<sup>+</sup>14, ECFT20, FWH<sup>+</sup>17, FVLC<sup>+</sup>23, FCN<sup>+</sup>19, FMT15, GiIKX22, HLM<sup>+</sup>16, HE07, HPW10, IVR<sup>+</sup>13, KSK<sup>+</sup>15, KLP<sup>+</sup>17, LSY<sup>+</sup>14, MMG<sup>+</sup>13, MLB<sup>+</sup>20, MT99, MST<sup>+</sup>23a, MRH<sup>+</sup>14, MC88, MVBC<sup>+</sup>21, NHG19, PWZ<sup>+</sup>16, PDAM<sup>+</sup>15, PST<sup>+</sup>15, Pra22, RNBP<sup>+</sup>19, SCD<sup>+</sup>07, dSSDS<sup>+</sup>20, STS<sup>+</sup>12, SCHD23, SLY<sup>+</sup>15, SSW<sup>+</sup>09, THBA19, TMR<sup>+</sup>21, VMH<sup>+</sup>21, WKS<sup>+</sup>15, Wil87, YAK<sup>+</sup>08]. **life-histories** [Wil87].  
**life-history** [dSSDS<sup>+</sup>20, SCHD23, YAK<sup>+</sup>08]. **life-stage** [MMG<sup>+</sup>13].  
**life-stages** [PWZ<sup>+</sup>16]. **ligand** [HSLG11]. **Light** [ACK<sup>+</sup>13, LCB18, Mor91, SK91, ÁLC22, BMGN15, GGPG<sup>+</sup>19, HOY<sup>+</sup>21a, JJJ<sup>+</sup>19, KM08, KY15, MBP<sup>+</sup>11, RHM<sup>+</sup>19, ST03, SBBV04, JTD<sup>+</sup>14].

**Light-dependent** [ACK<sup>+13</sup>]. **Lignin** [SMN<sup>+14</sup>]. **Ligurian**  
 [BAARB05, BMB<sup>+16</sup>, BBM<sup>+14</sup>, CPB<sup>+15</sup>, CLD22, CBB<sup>+22b</sup>, CQZ<sup>+18</sup>,  
 CRC<sup>+19</sup>, DSC<sup>+19</sup>, GCF<sup>+19</sup>, GBB<sup>+20</sup>, OAT<sup>+05</sup>, PCD<sup>+18</sup>, ZGB<sup>+20</sup>]. **like**  
 [HCAFD<sup>+20</sup>, ICB<sup>+19</sup>, LSM08, WST<sup>+16</sup>]. **likely** [MHR<sup>+10</sup>]. **Limacina**  
 [MLB<sup>+20</sup>]. **limit** [KAK<sup>+22a</sup>, SAd<sup>+17</sup>]. **limitation**  
 [AFBT<sup>+22</sup>, BB14, HLR17, ILA21, ZCD08]. **limitations** [BBE<sup>+15</sup>, BMG13].  
**limited** [KEV10, LHF<sup>+16</sup>]. **Limits**  
 [LRJ<sup>+15</sup>, ALT10, Hea12, LHW<sup>+20</sup>, SGL<sup>+18</sup>]. **line**  
 [CLdPHL23, DN07, HWS<sup>+07</sup>, JOGM<sup>+10</sup>, KH09, CGB07, Fre07, MG02, PV07].  
**lineage** [SPH<sup>+15b</sup>]. **linear** [BMGN15, HNL14, KC15, LI10, McD81a, PC87].  
**lines** [Kaw86, KMWF11]. **link**  
 [AB90, HHSR07, IIS<sup>+17</sup>, MCG<sup>+14</sup>, RGI05, SBPGP<sup>+23</sup>, VMA<sup>+24</sup>]. **Linkage**  
 [ZHD<sup>+20</sup>, BM01, KiL14, KSG<sup>+17</sup>, NMY<sup>+14</sup>]. **Linkages**  
 [YPVP<sup>+22</sup>, BHA<sup>+14</sup>, HPS<sup>+01</sup>, KYS<sup>+17</sup>, NYH<sup>+22</sup>, TTB<sup>+08a</sup>, WLD<sup>+15</sup>].  
**linked** [CHSB<sup>+21</sup>, HTV<sup>+20</sup>, ONR<sup>+14</sup>, RBR<sup>+23</sup>, SSL08, YKNO23]. **Linking**  
 [BFB<sup>+20</sup>, DMBHG10, FFA06, GF19, MRW<sup>+14</sup>, SST<sup>+17</sup>, SPWH21, TSS<sup>+12</sup>,  
 BB10, STF<sup>+13</sup>, THP21]. **Links** [SF15, BC01, GDL<sup>+15</sup>, HLS<sup>+14b</sup>]. **Linnaeus**  
 [YGL<sup>+10</sup>]. **Lion** [EMU<sup>+23</sup>, PGT<sup>+13</sup>, STG<sup>+18</sup>, CDH<sup>+13</sup>, SGL<sup>+13</sup>]. **Lions**  
 [DDDT99, FFS<sup>+20</sup>, PPdM<sup>+12</sup>]. **lipid**  
 [CPPPEAG22, FMC<sup>+20</sup>, PPCWJ18, SGL<sup>+17</sup>]. **Lipids** [BC01]. **Liquid**  
 [NBR<sup>+08</sup>]. **liquidum** [Coo69]. **Lisbon** [KGdS<sup>+08</sup>, OMS<sup>+09</sup>]. **List** [Ano03j].  
**lit** [Bak83]. **Lithodes** [BMN19]. **lithogenic** [PBP<sup>+99</sup>, YAI<sup>+14</sup>]. **litter**  
 [CPC88, MDB<sup>+20</sup>, RLDC<sup>+13</sup>, TCL<sup>+15</sup>]. **Little** [HM90, Nof00, KGJ<sup>+10</sup>].  
**littoral** [DAKV99, dIHRA<sup>+18</sup>]. **littorals** [ST65]. **Living**  
 [DSC<sup>+19</sup>, LMP22, BHK<sup>+19</sup>, LFG10, LIH<sup>+12</sup>, MM80, MSFZ19, OSH<sup>+96</sup>,  
 Ric01, SKT01, TSH<sup>+17</sup>, SAB<sup>+22</sup>]. **LIW** [MTL05]. **loading** [LM97]. **lobster**  
 [ACK<sup>+13</sup>, GRB<sup>+08</sup>, MPM<sup>+18</sup>, WOW<sup>+14</sup>]. **Local**  
 [FBB<sup>+21</sup>, JOGM<sup>+10</sup>, ASB<sup>+08</sup>, BBS21, BBS23, CMM<sup>+04</sup>, CGC<sup>+20</sup>, IHT<sup>+21</sup>,  
 LLAPG<sup>+22</sup>, NGLSSG14, PMMN<sup>+22</sup>, PSM<sup>+22</sup>, RSW<sup>+23</sup>, RHB23, YCP<sup>+12</sup>].  
**local-scale** [ASB<sup>+08</sup>]. **localities** [Mid69]. **locality** [VPW01]. **localized**  
 [LRJ<sup>+15</sup>]. **location** [LBC<sup>+23</sup>]. **locations** [LC12, MGF<sup>+13</sup>]. **lock** [MZK<sup>+23</sup>].  
**loco** [GKC<sup>+14</sup>]. **Logachev** [vHMDL14]. **loggerhead** [CBB<sup>+22c</sup>, MHR<sup>+10</sup>].  
**logic** [JPM<sup>+08</sup>]. **logistics** [KNS<sup>+03</sup>]. **Loliginidae** [OASG<sup>+16</sup>]. **Lombok**  
 [GXX<sup>+22</sup>]. **Long**  
 [BBR<sup>+01</sup>, BLCL14, BD18, BBL<sup>+09</sup>, CMF<sup>+09</sup>, DLM<sup>+96</sup>, FMP19, FAH<sup>+13</sup>,  
 FMSBW13, GMD<sup>+22</sup>, KON14, KNS<sup>+03</sup>, LSIC12, LSXT01, MDAW<sup>+19</sup>,  
 Nag01, PG10, STJ<sup>+14</sup>, ŠGM<sup>+18</sup>, Spr08, TFY02, TKW06, VMB<sup>+22a</sup>, APC13,  
 ABE<sup>+15</sup>, BPTT19, CSK<sup>+12</sup>, CB17, DEW<sup>+97</sup>, FRV<sup>+19</sup>, GML<sup>+23</sup>, GHL15,  
 GCD97, HFS<sup>+20</sup>, hHRW<sup>+05</sup>, HHZ<sup>+22</sup>, JOGM<sup>+10</sup>, JLP<sup>+20a</sup>, JLP<sup>+20b</sup>,  
 JLS<sup>+22</sup>, KRHS14, LO07, LHE<sup>+13</sup>, LPF<sup>+20</sup>, MLL<sup>+22</sup>, MDGC<sup>+12</sup>, PGY<sup>+22</sup>,  
 Reb02, SOH21, STHM02, UPPS<sup>+21</sup>, WFD<sup>+07</sup>, WHBW03, WHIH97].  
**long-chain** [SOH21]. **long-line** [JOGM<sup>+10</sup>]. **long-period**  
 [GCD97, WHIH97]. **long-range** [DEW<sup>+97</sup>]. **Long-term**  
 [BBR<sup>+01</sup>, BLCL14, BD18, BBL<sup>+09</sup>, CMF<sup>+09</sup>, DLM<sup>+96</sup>, FMP19, FAH<sup>+13</sup>,

FMSBW13, GMD<sup>+22</sup>, KON14, KNS<sup>+03</sup>, LSIC12, LSXT01, MDAW<sup>+19</sup>, Nag01, PG10, STJ<sup>+14</sup>, ŠGM<sup>+18</sup>, Spr08, TKW06, VMB<sup>+22a</sup>, APC13, ABE<sup>+15</sup>, CSK<sup>+12</sup>, CB17, FRV<sup>+19</sup>, GML<sup>+23</sup>, GH15, HFS<sup>+20</sup>, hHRW<sup>+05</sup>, HHZ<sup>+22</sup>, JLS<sup>+22</sup>, KRHS14, LO07, LHE<sup>+13</sup>, MLL<sup>+22</sup>, MDGC<sup>+12</sup>, PGY<sup>+22</sup>, Reb02, UPPS<sup>+21</sup>, WFD<sup>+07</sup>, WHBW03]. **longer** [YYhT<sup>+17</sup>]. **Longevity** [BMB06]. **longicauda** [GKR20, RMB<sup>+01</sup>]. **longicaudata** [SIR<sup>+07</sup>]. **longipes** [SSTD<sup>+95</sup>]. **longirostris** [PPdS21]. **longitude** [YMA<sup>+17</sup>]. **longshore** [CB17, Hut87, Yos80]. **look** [CLMR23, HS22]. **loop** [MHA<sup>+11</sup>, dJSL<sup>+20</sup>, HMS<sup>+22</sup>, KAK<sup>+22b</sup>]. **loophole** [IFC<sup>+07</sup>]. **looping** [CGW<sup>+22</sup>]. **LOPC** [EBS<sup>+18</sup>]. **lose** [DSAB20]. **Loss** [GMR<sup>+23</sup>, MBF<sup>+14</sup>, PLN<sup>+23</sup>, USH15a]. **loss-on-ignition** [USH15a]. **losses** [Wal83]. **Louisiana** [MCB<sup>+90</sup>]. **Low** [Ban96, CM18b, AAML22, AC85, Bak01, DCM16, FYYC05, HL05, HSL96, KA85, KGB<sup>+23</sup>, Lav09, Mol22, MKS<sup>+22</sup>, PZA<sup>+15</sup>, STM10, TSFA22, Wu13]. **low-density** [Mol22]. **Low-frequency** [CM18b, PZA<sup>+15</sup>]. **low-latitude** [KA85, Wu13]. **low-salinity** [MKS<sup>+22</sup>]. **Lower** [LLL<sup>+11</sup>, CFM<sup>+18</sup>, CAT<sup>+08</sup>, FK99, GAPM16, KAK<sup>+22a</sup>, LSMG01, MPSD15, MPC<sup>+17</sup>, PCH<sup>+08b</sup>, SNMW10, Tan99, TAM<sup>+13</sup>, WGZZ19, WGG<sup>+08</sup>, YWUK15]. **lower-trophic** [CAT<sup>+08</sup>]. **loxosomatid** [BC19]. **Loxosomella** [BC19]. **LTER** [MDGC<sup>+12</sup>]. **LTER-MC** [MDGC<sup>+12</sup>]. **Lunar** [RCSA01, UPPS<sup>+21</sup>]. **Luzon** [CGW<sup>+22</sup>, MZH<sup>+23</sup>, YLY<sup>+14</sup>, YYhT<sup>+17</sup>]. **lyase** [CM14a, FPS<sup>+09</sup>]. **lysis** [CRC<sup>+19</sup>].

**M** [Ang80, LMPB<sup>+16</sup>, CDS90, GSSWK20, SS03, LL97, YMI88]. **M**. [BLCL14, RK20]. **M9.0** [CLB<sup>+14</sup>]. **machine** [CLX<sup>+20</sup>, VSPP14]. **Machine-based** [VSPP14]. **machine-learning** [CLX<sup>+20</sup>]. **Mackenzie** [LPF<sup>+20</sup>, LPF<sup>+21</sup>]. **mackerel** [ACN01, BHH<sup>+16</sup>, BSH<sup>+20</sup>, EiIT<sup>+22</sup>, GiIKX22, JSdSS<sup>+21</sup>, TMÁGC<sup>+21</sup>, YKNO23, ZL01]. **mackerels** [ABE<sup>+15</sup>]. **Macro** [CHC<sup>+12</sup>, KTN14]. **Macro-** [CHC<sup>+12</sup>]. **macro-nutrient** [KTN14]. **macroaggregates** [KS15]. **Macrobenthic** [TPP<sup>+00</sup>, BRR<sup>+22</sup>, GBC<sup>+15</sup>, IG19, JMSB<sup>+23</sup>, Sok90]. **macrobenthos** [Whe06]. **Macroecological** [BLHB07, BMG13]. **macrofauna** [BAB<sup>+19</sup>, FMH02, GSV<sup>+01</sup>]. **Macrofaunal** [HDM19, Car98, SH09]. **macroinfaunal** [CLSD18]. **macronutrient** [TRP<sup>+23</sup>]. **macronutrients** [AIHB<sup>+07</sup>]. **Macrophysiology** [HBR11]. **macroscopic** [PMA<sup>+14</sup>]. **Macrostylis** [RK20]. **macrozooplankton** [CIL<sup>+23</sup>, DSR21, HGD22, MCT03]. **Madagascar** [ZQWP23]. **Madeira** [RBL90]. **Madeiran** [PMG15]. **maenas** [YFK21]. **Magallanes** [PTPY<sup>+23</sup>]. **Magellan** [AHGRAL23, Gri22, SPF<sup>+23</sup>]. **Magellanic** [BRR<sup>+22</sup>]. **magellanicus** [GGJ<sup>+10</sup>]. **magnesium** [Wis65]. **magnetization** [Hey78]. **magnitude** [CCH<sup>+12</sup>]. **Mahlon** [CNT03]. **main** [FZ88]. **Maine** [BDB<sup>+04</sup>, MLB<sup>+20</sup>, RKC<sup>+10</sup>, TPTM23, WBC<sup>+22</sup>, WLM<sup>+22</sup>]. **mainland** [CMM<sup>+04</sup>]. **maintain** [MAH<sup>+15</sup>]. **maintenance** [DS65, PC87, PVV23, STS<sup>+12</sup>, WWL<sup>+22</sup>]. **Major** [BTK<sup>+99</sup>, JTQ<sup>+18</sup>,

LDMH09, VDB<sup>+20</sup>, AAMB<sup>+24</sup>, BBSN04, CED09, HS07, Igu04, LTJ<sup>+15</sup>, MLD<sup>+03</sup>, MIN<sup>+20</sup>, NRA17, PLP99, TSAM<sup>+22</sup>, Wüs64, ZMW<sup>+23</sup>.  
**Malaspina** [GKS<sup>+13</sup>]. **Malin** [XD96]. **Malin-Hebrides** [XD96]. **Mallotus** [BSF<sup>+21</sup>, CGV13a, CGV13b, MMD<sup>+16</sup>]. **Malvinas** [PMC21, PSP<sup>+21</sup>, RPPM<sup>+23</sup>]. **mammal** [KFH<sup>+15</sup>]. **mammals** [SPS<sup>+99</sup>].  
**Management** [SHG12, BDE03, CN22, Dev87, EAB<sup>+23</sup>, FPS<sup>+13</sup>, GKC<sup>+14</sup>, GRDS10, HFS<sup>+20</sup>, INI<sup>+17</sup>, JOGM<sup>+10</sup>, JHDT12, JBH20, KHL12, KMB01, LLL<sup>+11</sup>, LFG10, LIH<sup>+12</sup>, McI10, MBF<sup>+14</sup>, Ric01, RS04, SSB<sup>+20b</sup>, TCF<sup>+18</sup>, WFJ<sup>+15</sup>, Zav99, ZL01]. **Managing** [TSH<sup>+17</sup>]. **mandalas** [KV18].  
**manganese** [Hey78]. **Mangkhut** [DFC<sup>+21</sup>]. **manifestation** [KSD84, RM97]. **Manila** [YAK13]. **Mannar** [JJA<sup>+13</sup>]. **manta** [RHB23].  
**Manx** [SSB14]. **Manxman** [Mer65]. **many** [Ric01]. **mapping** [BPGD<sup>+14</sup>, LMT<sup>+19</sup>]. **maps** [RRS03]. **March** [Ano20q, Ano21r, Ano22y, Ano22-28, KSPK99, KDB95, TBK<sup>+99</sup>, GR17, Ano99d, Ano07o, Ano08u, Ano08w, Ano09j, Ano10l, Ano13m, Ano14n, Ano16k, Ano17s, Ano18m, Ano19l, Ano23r, Ano24f, CLB<sup>+14</sup>, GSPMAI99, KTB<sup>+99</sup>].  
**marcursorum** [BC19]. **Margin** [BHE<sup>+98</sup>, CHG<sup>+18</sup>, FLdST98, LHEB98, OB98, TPM<sup>+16b</sup>, TPM<sup>+16a</sup>, TvW98, vWMH98, BGM<sup>+01</sup>, BCOL<sup>+19</sup>, CLG<sup>+00</sup>, CLA<sup>+00</sup>, CVHM<sup>+18</sup>, CdMS<sup>+18</sup>, CBD<sup>+24</sup>, DXH<sup>+02</sup>, EvdZSH02, FARRL<sup>+13</sup>, FMH02, GLV12, HG04, HWF<sup>+21</sup>, Hut95, JW01a, KKS<sup>+18</sup>, KiL14, LGR<sup>+02</sup>, MH02, MCGS<sup>+16</sup>, ORW<sup>+01</sup>, PCD<sup>+18</sup>, PPHM18, PGGG17, RLT<sup>+22</sup>, RCÁS<sup>+15</sup>, RLR<sup>+18</sup>, RCSVGP<sup>+16</sup>, SCMAR<sup>+99</sup>, SVHM<sup>+13</sup>, SvWRvB02, SH09, SW01, SMGL01, TCDPP<sup>+22</sup>, TvG02, TPP<sup>+00</sup>, VHV<sup>+12</sup>, WDMMK89, XLX<sup>+20</sup>, YMI88, vWM02a, vWdSBdH02, BPP<sup>+98</sup>, HM98, PS98, dWDB<sup>+98</sup>, vWHdS<sup>+98</sup>].  
**Marginal** [BHM<sup>+15</sup>, FJhT<sup>+14</sup>, LMW<sup>+12</sup>, PO00, CWZ<sup>+20</sup>, DPB06, Gal17, IHT<sup>+21</sup>, IU14, JCF<sup>+23</sup>, KJZ<sup>+12</sup>, MTC12, McK04, MNFY21, NYH<sup>+22</sup>, PB94, SCC14, SPWH21, LLX<sup>+21</sup>]. **margins** [ACK<sup>+13</sup>, BPGC<sup>+20</sup>, ESTM13, Kit03, LDB<sup>+02</sup>, Sol00]. **mariculture** [Mae88]. **Marine** [BCS09, Bel09, CC23, CPC88, IGG<sup>+19</sup>, KSE<sup>+09</sup>, KFM<sup>+17</sup>, KA94, LPA<sup>+11</sup>, OLH<sup>+18</sup>, Pea02, Pra22, SDB<sup>+21</sup>, Sim81, SPS<sup>+99</sup>, SAB<sup>+22</sup>, TCL<sup>+15</sup>, YW22, dMGS<sup>+11b</sup>, dMGS<sup>+11a</sup>, AHP19, AS88, AF10, AGD<sup>+18</sup>, AH15, AOMZ<sup>+23</sup>, AHC<sup>+13</sup>, ALM<sup>+23</sup>, ADV<sup>+18</sup>, ALT10, ABP<sup>+23</sup>, BDP<sup>+06</sup>, Bak06, BW08, BMO12, BVb88, Blu88, BDE03, BCD<sup>+20</sup>, CLSP17, CSH<sup>+23</sup>, CM14a, CSBL<sup>+15</sup>, CSC<sup>+12</sup>, CTMV<sup>+14</sup>, CWS<sup>+21</sup>, CS89, CE84, CJG88, CRi<sup>+15a</sup>, DL69, DLD15, DMF<sup>+09</sup>, DP13, DAKV99, DTKvH15, EVM<sup>+15</sup>, FSAO22, FMM<sup>+20</sup>, FPJ<sup>+15</sup>, FCG88, FAAV<sup>+15</sup>, FDH20, FDM<sup>+13</sup>, GSFP<sup>+09</sup>, GAF15, Gal17, GPEV20, GKC<sup>+14</sup>, GGT<sup>+15</sup>, GHVG19, GPAB<sup>+16</sup>, GMDS20, HVS10, HGD22, HSG<sup>+15</sup>, HVTV22, HGB<sup>+21</sup>, HSH<sup>+19</sup>, HWL<sup>+20</sup>, HAP<sup>+16</sup>, HHW01, HHW22, HAA<sup>+14</sup>, Hop64, HLS<sup>+14b</sup>, HM06, HDA<sup>+16</sup>, HBD<sup>+18</sup>, IL20, JAS<sup>+20</sup>, KST<sup>+10</sup>, KTH<sup>+21</sup>, KGL22, KiL14, KMB01, KBF<sup>+08</sup>].  
**marine** [Kli10, Kno04, KOT<sup>+21</sup>, KLC<sup>+15</sup>, KMSTK23, KKO10, KFH<sup>+15</sup>, LTJ<sup>+15</sup>, LK13, LSY<sup>+14</sup>, Law04, LML<sup>+23</sup>, LMS10, LAHI10, LDD<sup>+22</sup>,

LFBR<sup>+18</sup>, LMT<sup>+19</sup>, LSS<sup>+09</sup>, LFG10, LIH<sup>+12</sup>, LHF<sup>+16</sup>, LSD<sup>+15</sup>, LRGV<sup>+18</sup>, LMP22, MPV12, MDB<sup>+20</sup>, Man04, MV10, MRBS<sup>+24</sup>, MFS<sup>+07</sup>, MSF<sup>+07</sup>, Mau17, MLL<sup>+15</sup>, MBH<sup>+01</sup>, MI21, MLM09, MLHM09, MCG<sup>+14</sup>, MS15, Mor91, MSB<sup>+23</sup>, MPN09, MVV<sup>+19</sup>, NCC<sup>+15</sup>, Nie07, NBLI20, PL01, PS08, PBO10, PM13, PG10, PHKS01, PPD<sup>+12</sup>, RLDC<sup>+13</sup>, RBL<sup>+19</sup>, RK03a, RCGC<sup>+16</sup>, RCB<sup>+20</sup>, RBNP<sup>+19</sup>, Ric01, RKK<sup>+21</sup>, RRLS22, RN06, SSB19, SBMB18, SGL<sup>+17</sup>, SHd13, SN24, SBL<sup>+23</sup>, SRF<sup>+19</sup>, SvN04, SOWS17, Sel65, SJJ<sup>+03</sup>, SMB88, Sie88, SW81, SKGS20, SRM<sup>+10</sup>, ST65, SPH<sup>+15b</sup>, SDJ14, SJLW23, SIB<sup>+06</sup>, SHT<sup>+01</sup>, TSAM<sup>+22</sup>, TSH<sup>+17</sup>, TSJC07, Tur15, VMB<sup>+22b</sup>, VCM04, Was11, WSS15, WMB<sup>+18</sup>, WBF<sup>+21</sup>, WHK23, YSY<sup>+19</sup>, YZX<sup>+23</sup>. **marine** [ZLKO00, dLLdAWL<sup>+23</sup>, dPCS23, Cia22]. **marine-oil** [BCD<sup>+20</sup>]. **marine-terminating** [GHVG19]. **marins** [Bou65]. **marker** [KSB<sup>+22</sup>]. **markers** [NMN08]. **market** [PG10]. **markets** [JTGM10]. **Marko** [SW81]. **marlin** [JOGM<sup>+10</sup>]. **Marmara** [BSÖ<sup>+94</sup>, FBS<sup>+18</sup>]. **marmoratus** [PPPdS20]. **marshallae** [PD15, THP21]. **Martin** [Oll15, WR03]. **Martínez** [RBL<sup>+19</sup>]. **Marukawa** [Mil88]. **Maryland** [Let87]. **Mascarene** [FMC<sup>+15</sup>, MFA<sup>+15</sup>]. **Mass** [AHW99, MHGP06, AdAK<sup>+18</sup>, EMK<sup>+17</sup>, HOY<sup>+21a</sup>, HPZC21, JG07, JVJ<sup>+17</sup>, KT04, KMU<sup>+12</sup>, LVGH<sup>+15</sup>, LvIKB07, LC10, MRMD<sup>+97</sup>, MLD<sup>+03</sup>, Mau10, PTM<sup>+22</sup>, PZA<sup>+15</sup>, RGC<sup>+01</sup>, SGMP15, WWW<sup>+23</sup>, YRKC08, ZPC<sup>+16</sup>, dWDB<sup>+98</sup>]. **masses** [ÁSÁB<sup>+14</sup>, ÁBMÁS14, ÁBMÁS15, CPHR98, Fla02, GIPC<sup>+15</sup>, GR85, GLAHH<sup>+22</sup>, GSF<sup>+15</sup>, Hut95, KKK<sup>+04b</sup>, LPBM17, MRO<sup>+08</sup>, MAAS<sup>+00</sup>, PPVG12, PPKR14, Rea00, RGPB<sup>+23</sup>, Rud15, SWZS<sup>+21</sup>, SBG<sup>+08</sup>, TRY<sup>+04</sup>, TPTM23, YTT<sup>+14</sup>]. **massive** [KTW<sup>+22</sup>, RKM<sup>+07</sup>]. **match** [LHC<sup>+21</sup>, ZLX<sup>+20</sup>]. **match/mismatch** [LHC<sup>+21</sup>]. **Material** [LBK<sup>+01</sup>, MBCB88, MWO<sup>+12</sup>, OE65, ÖÜT93, Tur65, TRMV15, YAI<sup>+14</sup>]. **materials** [ÁSDB<sup>+01</sup>, ÁSÁB<sup>+14</sup>, ÁBMÁS14, ÁBMÁS15, BCF<sup>+03</sup>, Kit03, OAD22]. **Matter** [CMPNC<sup>+22</sup>, ASC92, BHR15, BSW86, BFJ18, BMG<sup>+21b</sup>, CKP<sup>+20</sup>, CGM<sup>+02</sup>, CGC<sup>+20</sup>, CLG<sup>+00</sup>, CS89, CE84, DDE<sup>+95</sup>, DDP<sup>+00</sup>, DMD<sup>+00</sup>, DDD<sup>+00</sup>, DBW<sup>+22</sup>, DCS<sup>+22</sup>, FPD<sup>+01</sup>, FRV<sup>+19</sup>, GMAMB04, GBM<sup>+01</sup>, GLAHH<sup>+22</sup>, GF19, HOY<sup>+21a</sup>, HSLG11, HOY<sup>+21b</sup>, HLD<sup>+21</sup>, IL20, IU14, JZZY24, JW01a, JMG<sup>+13</sup>, KNSN<sup>+09</sup>, KLB<sup>+21</sup>, LBNBM13, LSB<sup>+17</sup>, LSD<sup>+18</sup>, LSD<sup>+15</sup>, LHEB98, LvIKB07, LFBP<sup>+13</sup>, MPCNC<sup>+19</sup>, MFDH22, MFY<sup>+86</sup>, NRA<sup>+21</sup>, ORW<sup>+01</sup>, PL87, Par63, PGT<sup>+13</sup>, PRL<sup>+18</sup>, PLP99, PBP<sup>+99</sup>, RFSCF19, SVHM<sup>+13</sup>, SRF<sup>+19</sup>, SMN<sup>+14</sup>, SK18, TPPG10, TvW98, TZP<sup>+00</sup>, TPM<sup>+00</sup>, USH15a, VFCC<sup>+22</sup>, WMC<sup>+89</sup>, WRS<sup>+92</sup>, XYGJ23, YTB<sup>+21</sup>]. **Matthias** [MC08, YRKC08]. **maturation** [Nie07]. **mature** [ATT<sup>+08</sup>]. **Maud** [Har05a]. **Mauritania** [FRK<sup>+09</sup>, GEO09, NIF<sup>+15</sup>]. **Mauritanian** [FPS<sup>+09</sup>, HNR<sup>+17</sup>, RF17]. **maxima** [Yu23]. **Maximal** [VWDF14]. **maximize** [SHD<sup>+21</sup>]. **Maximum** [BBC<sup>+22</sup>, APP21, BBB<sup>+21</sup>, DFD23, DYL<sup>+15</sup>, FPIJ85, LFI<sup>+13</sup>, MBP<sup>+11</sup>, PVV23, XHW<sup>+20</sup>, TAF<sup>+22</sup>]. **May** [Ano21a, Ano22a, Ano23a, LAP10, dSSDS<sup>+20</sup>, Ano00b, Ano03d, Ano07r,

Ano14r, Ano15r, Ano16l, Ano17l, Ano20r, Ano22-31, Ano22-32, GCZ+00, MN88, PGRP+18, YJW88]. **MC** [MDGC+12]. **MCS** [Cia22]. **Mean** [ED82, SJM+19, TM13, DML+16, DGMM85, HLK13, HPHW21, KDL+01, Mol22, Owe91, RD03, RG09, SS69, UAM05, VYGMM+17, Zez90]. **meander** [TMN+12]. **meandering** [SSB14]. **meanders** [dSPF+23]. **means** [CPSM20]. **measurable** [Nee85]. **measure** [Szu12]. **measured** [SLM+16]. **measurement** [DPCS87, DDJ+21, HM15, MPMA13, Sac16].

### **Measurements**

[HHB+22, TJ73, ADS+22, BBL+09, Due77, FTG+11, GRMB18, GA00, HHK+02, JSKM02, KSK21, MXC+21, NBLI20, RCGC+16, RLSF06, RLSF07, SAT+22, SV97, TSG+04, VSA+21, VBAC+21, WZFW16, Web69, Whe06].

**measures** [JBH20]. **Measuring** [MSJ+15, KSY+19]. **mechanics** [GD91].

**Mechanism** [KKNT23, SMFM+21, ZLG17b, CGB+23, LYS+22, STHM02, YYC+18, ZLG17a, ZJZ+21]. **Mechanisms**

[BLR+23a, HAH+22, NMC+09, PC87, SvN04, STS+12, THP21, AAMB+24, Bea04, CRS04, CMF15, CS04, DLL+23, DMT15, FBS22, Has06, HLS+14a, JAS+20, MMIB10, NIC+19, NRA17, OMS+15, SGS+23, SD07, TKWI08, VPM+19, VGJ+19, WLD+15, Woo18]. **mechanistic**

[BDP+06, BFPS06, BSH+20, SLY+15]. **Med** [NDEG22]. **Med-ROMS**

[NDEG22]. **Meddies** [APC13, RBZ00]. **mediate** [ALT10]. **mediated**

[DCKB13, GSM+17, MLHE23, MMD+16]. **Mediterranean**

[ACB+13, AQVB+10, ACL+18, BBM+14, CLD22, CQZ+18, CCHV+21, CHSB+21, CLG+22, DDE+95, DDDT99, DAU22, Eri65, EMU+23, FTG+18, GBB+20, GGA+16, GGG+18, GGSM+20, HLM+13, JMG+13, KHC+99, KFC+13, KTB+99, LTG85, LSM+22, LRGV+18, LFBP+13, MGC+18, MAFS+22, NDEG22, NCC+15, POS+07, PCD+18, PGT+13, PPSVC+13, RCC+18, SCAA07, SCMAR+99, SVHM+13, SGA+19, STG+18, TCDPP+22, TPP+00, TCL+15, VGM+23, VBAC+21, WYT00, dMGS+11b, APN+15, AR18, ALG+21, AVS23, ABC+99, AUE+14, AIA+18, BPA+21, BTK+99, BFP+18, BRC+18, BZD+21, BNCC15, BS90, BMC05, BSFM+12, BOMdP15, BGM+99, BD19, BFJ18, BGA+21, BFV+17, CCM+13, CDL19, Car98, CGM+02, CPG08, CMF+09, CMF11, CF20, CJRÁ+13, CMPNC+22, CMS+13, CC88, CLG+00, CLA+00, Cia14, Cia22, CD65, CGD+18, Con87, CFML22, CLL+18, CLG+22]. **Mediterranean**

[CTR+19, CRC+19, CFC+18, CdMS+18, CBD+24, CAB+99, CJG88, DSV99, DDP+00, DTOD00, DVL+99, DSC+19, DVB+18, DCRR+22, DFM+15, DAKV99, DCL+13b, EMU21, FVA+19, FBR+13, FBD18, FTC+16, FARRL+13, FDHT05, FBS+18, Fuk91, GSPP+20, GGT+15, GPE+17, GTB07, GPP22, GHL15, GFB+15b, GFB+15a, GGA+16, GIPG17, GCD+99, HMTL05, HDM19, HTdM+15, IVR+13, JMZ23, JFEC13, JVJ+17, KSVT00, KKS+18, KQP+17, KCL+12, KMU+12, KEV10, LT06, LRNK99, LGL+18, LSIC12, LDMH09, MMGL+07, MHGGS19, MDB+20, MMIB10, MPCNC+19, MHA+11, MCD+07, MDGC+12, MCGR07, Mil09, Mil14, MMG+11, MMPG07, MVV+19, MEMC05, NGLSSG14, ORMR+19, OACB+15,

ORB<sup>+18</sup>, ÖÜT93, PBB<sup>+20</sup>, PGLG<sup>+05</sup>, PAG<sup>+18</sup>, Peñ24, PRA<sup>+18</sup>, PCC<sup>+19</sup>, PZA<sup>+15</sup>, PST<sup>+15</sup>, PKV18, PRL<sup>+18</sup>, PBP<sup>+99</sup>, PTI00, PdMS<sup>+13</sup>, RLDC<sup>+13</sup>, RGB<sup>+17</sup>, RDD<sup>+18</sup>, RTBR<sup>+22</sup>, RPG<sup>+18</sup>]. **Mediterranean** [RKM<sup>+07</sup>, RCF<sup>+13</sup>, RAE<sup>+05</sup>, SOS<sup>+07</sup>, SLBR18, SGL<sup>+13</sup>, San73, SCPN15, SHd13, SCB<sup>+09</sup>, SCCJ<sup>+18</sup>, SGPdM18, SFK<sup>+99</sup>, ŠVL<sup>+15</sup>, SCC<sup>+19</sup>, SCT<sup>+00</sup>, ST65, TCS15, TPN<sup>+18</sup>, TR99, TAO05, Tol85b, TCF<sup>+18</sup>, TZP<sup>+00</sup>, TPM<sup>+00</sup>, TVD<sup>+99</sup>, TIOM16, Tur99, Val99b, VCB<sup>+00</sup>, VYGMM<sup>+17</sup>, VKT15, VOT<sup>+99</sup>, VBA<sup>+18</sup>, YHM<sup>+18</sup>, YPVP<sup>+22</sup>, ZGB<sup>+20</sup>, Zav99, ZMCD11, ZFSV<sup>+09</sup>, dMGS<sup>+11a</sup>, dPAJ07, dPHF<sup>+15</sup>]. **medium** [DRE<sup>+08</sup>, RLGC10]. **medium-resolution** [DRE<sup>+08</sup>]. **medium-sized** [RLGC10]. **MEDOC** [Kil76]. **Medusae** [RJT84]. **Meeting** [FJhT<sup>+14</sup>, PBH<sup>+10</sup>]. **Megabenthic** [GGG<sup>+18</sup>, MMKS<sup>+21</sup>, PGGG17, BMNW01, CLMR23, DCRR<sup>+22</sup>, JLS<sup>+22</sup>, KOHL<sup>+10</sup>]. **megabenthos** [BBR<sup>+01</sup>, CMF<sup>+09</sup>, TRLA<sup>+13</sup>]. **Megafauna** [PCC<sup>+19</sup>, ADV<sup>+18</sup>, BBMR19, CAO<sup>+20</sup>, FBD18, LJM<sup>+16</sup>, LM18, LDB<sup>+02</sup>, MDR20, SLPA<sup>+20</sup>]. **Megafaunal** [SLBH<sup>+19</sup>, Car98, CMHM18, DTC<sup>+06</sup>, DBJ<sup>+15</sup>, DBR20, KSVT00, KRHS14]. **megalopae** [PPPdS20]. **Meganyctiphanes** [CNT<sup>+19</sup>, MPSD15, SIR<sup>+07</sup>]. **Megrey** [CRiI<sup>+15b</sup>]. **meiobenthic** [RCF<sup>+13</sup>, ZMCD11]. **meiobenthos** [RMG90, Sol00]. **Meiofauna** [DDE<sup>+95</sup>, FMH02, SSKA19, GSV<sup>+01</sup>, GCLD19, MGA<sup>+23</sup>, VKGP<sup>+13</sup>, VKDS<sup>+18</sup>]. **Meiofaunal** [BD19, CLD22, DTOD00, LT06]. **Mejillones** [VOG<sup>+08</sup>, VSGC21]. **Melchior** [Bak83]. **melt** [KGB<sup>+23</sup>]. **meltwater** [HHR<sup>+19</sup>, KMSTK23]. **members** [DSAB20]. **Membership** [Ano03j]. **membrane** [MRBS<sup>+24</sup>]. **Memoriam** [Ano04a, CRiI<sup>+15b</sup>]. **memory** [Ano20u, Bru88, Sie88]. **Mendocino** [Nay65]. **Menorca** [GGA<sup>+16</sup>, GGG<sup>+18</sup>, GGSM<sup>+20</sup>, SGA<sup>+19</sup>]. **mentor** [CNT03]. **Mercury** [AS20, BMC17, CdMS<sup>+18</sup>, CBD<sup>+24</sup>]. **merging** [FHL<sup>+24</sup>]. **Meriadzek** [MGS90, VK90]. **Meridional** [ARH<sup>+00</sup>, AB00, Ano17a, BJ17, CF12, HLR17, HGPFN<sup>+14</sup>, HGT16, KBHML17, MSJ<sup>+15</sup>, PHCA17, RNP<sup>+17</sup>, SWT<sup>+17</sup>, ZSBL00, AdAK<sup>+18</sup>, APHGC<sup>+22</sup>, BDBJ01, KF11, LM00, MR06, MFS<sup>+16a</sup>, MFS<sup>+16b</sup>, MLS<sup>+15</sup>, Nof03, Ric08, SFMT12, SFMT14, TBW00]. **meridionally** [CSLJ03]. **MERIS** [CN22]. **Merluccius** [BWMGCB08, FCN<sup>+19</sup>, FB05, LC12]. **MERMEX** [AIA<sup>+18</sup>, SGPdM18]. **Meroplankton** [WZBK<sup>+21</sup>, MTC14]. **Mesima** [CFM<sup>+18</sup>]. **meso** [CSC<sup>+12</sup>, Kli10, LLH<sup>+20</sup>, RÁSG<sup>+13</sup>, STEB16]. **meso-** [LLH<sup>+20</sup>]. **meso-scale** [CSC<sup>+12</sup>, Kli10, RÁSG<sup>+13</sup>, STEB16]. **Mesopelagic** [OHC<sup>+17</sup>, Ang84, ATC<sup>+19</sup>, BOMdP15, BOG20, CLCBB19, DCKB13, Dom84, FCMCÁS19, GBB<sup>+20</sup>, HLCdP19, KVNT20, MVBC<sup>+21</sup>, NMN08, PNF<sup>+21</sup>, Pug84, Roe84b, RB84, RJT84, SMN<sup>+13</sup>, SLBVRR<sup>+22</sup>, SLOP<sup>+22</sup>, ZPC<sup>+16</sup>, GASV<sup>+09</sup>, RAB<sup>+84</sup>, Roe84a]. **mesoplankton** [DZ04]. **Mesoscale** [BAM<sup>+09</sup>, BF12, CGG08, CBT07, FDHT05, MTH<sup>+10</sup>, MHCR<sup>+12</sup>, OP18, RD03, RBS<sup>+09</sup>, SSS<sup>+11</sup>, WWZ19, BAARB05, BCR<sup>+13</sup>, CSS11, CD07, CdD<sup>+15</sup>, DMBHG10, FELMGM<sup>+22</sup>, GLY23, GBC<sup>+16</sup>, KM10, KZD<sup>+19</sup>, LJM<sup>+16</sup>, LBSP01, LLS01, MXC<sup>+21</sup>, MNS<sup>+24</sup>, MPM<sup>+18</sup>, MZK<sup>+23</sup>, MTL05, MEMC05, MJA<sup>+07</sup>, PM22, PLJR22, RBHLA04, STC10, SI97,



TG05, UBB<sup>+23</sup>, WLM<sup>+13</sup>, WR00, XYL<sup>+22</sup>, XYWY23]. **Mesozooplankton** [GCCY<sup>+14</sup>, HLGA07, MT99, SM05, TSNO05, WTT14, BFH01, CS03, CLdPHL23, DBC<sup>+18</sup>, DDK<sup>+18</sup>, EHG<sup>+07</sup>, GSVB23, GCC<sup>+24</sup>, HPS<sup>+01</sup>, HHY03, INT14, JJA<sup>+13</sup>, JJA<sup>+17</sup>, KJZ<sup>+12</sup>, KST03, KSS<sup>+23</sup>, KRL<sup>+22</sup>, NYL<sup>+17</sup>, RÁSG<sup>+13</sup>, SBB<sup>+22</sup>, VAEP24, Ver91, VHK03, VHK04, YMA<sup>+17</sup>, YLL19]. **meta** [BD19]. **meta-analysis** [BD19]. **metabarcodes** [CBL<sup>+19</sup>]. **Metabolic** [RS10, CBPS<sup>+22</sup>, XHW<sup>+20</sup>]. **Metabolism** [GTB07, ABT<sup>+04</sup>, GMDD<sup>+22b</sup>, GMDD<sup>+22a</sup>, HLCdP19, JTQ<sup>+18</sup>]. **Metabolites** [Blu88]. **metabolomics** [LSD<sup>+15</sup>]. **Metal** [TRMV15, CS89, CGD<sup>+18</sup>, MDL<sup>+12</sup>, PCD<sup>+18</sup>]. **metals** [aHFS92, JP90, KIS<sup>+05</sup>, TCDPP<sup>+23</sup>]. **metamodel** [Woo05]. **metamorphosis** [RNBP<sup>+19</sup>]. **metaproteomics** [XHW<sup>+20</sup>]. **Metazoan** [Sol00, HG04]. **metazooplankton** [CTP<sup>+18</sup>, KSY<sup>+19</sup>]. **Meteoric** [WCC<sup>+20</sup>]. **meteorites** [HF65]. **meteorological** [EMU<sup>+23</sup>, MFM85, SSV00]. **meter** [KMOM88, UCB<sup>+18</sup>]. **meters** [NH88b]. **Methane** [FLDF22, BCP09, FTSF21, WLM<sup>+13</sup>, diPHF<sup>+15</sup>]. **methanotrophic** [MCB<sup>+90</sup>]. **Method** [GAM98a, BBMR19, MCMT<sup>+17</sup>, VSPP14]. **methodological** [CP10]. **methodologies** [BEI<sup>+20</sup>, KSY<sup>+19</sup>, Mol04]. **Methodology** [RLSF06, RLSF07, HRA00]. **Methods** [LTJ<sup>+15</sup>, Man04, BCF<sup>+03</sup>, BIL03, Ben85, BPGD<sup>+14</sup>, BCG<sup>+08</sup>, FVA<sup>+19</sup>, JAS<sup>+20</sup>, Sei63, WPA<sup>+24</sup>, WZBK<sup>+21</sup>]. **methylene** [KO19]. **methylene-interrupted** [KO19]. **methylmercury** [KHBA<sup>+24</sup>]. **metrics** [FMC<sup>+20</sup>, GSFP<sup>+09</sup>]. **Metridia** [HL05]. **Mexican** [Lav09]. **Mexico** [LM10, AJHC19, BGM<sup>+10</sup>, Dur09, HKL<sup>+15</sup>, Ham09, HMS<sup>+22</sup>, LKDL14, MKSW<sup>+15</sup>, ON05, ORPRGIS22, OHH<sup>+22</sup>, PBBH<sup>+22</sup>, RLP<sup>+18</sup>, RANS65, RASVB<sup>+22</sup>, SRFHDH22, UPPS<sup>+21</sup>, VDGGD<sup>+22</sup>, WDMMK89, WD94, FGGDF<sup>+04</sup>]. **MHW** [Cia22]. **MHWs** [HZD<sup>+23</sup>]. **Michael** [CNT03]. **Micro** [AIHB<sup>+07</sup>, AMG<sup>+16</sup>, Moh15, TLM<sup>+17</sup>, AMEV07, BTS<sup>+15b</sup>, CHC<sup>+12</sup>, DDP<sup>+00</sup>, YLL19]. **Micro-** [AIHB<sup>+07</sup>, Moh15, BTS<sup>+15b</sup>, YLL19]. **micro-nutrient** [CHC<sup>+12</sup>]. **micro-particulate** [DDP<sup>+00</sup>]. **Micro-phytoplankton** [AMG<sup>+16</sup>, TLM<sup>+17</sup>]. **micro-planktonic** [AMEV07]. **microalgae** [Bon88, DLD<sup>+19</sup>, LCB18]. **microalgal** [YNTS22]. **microbes** [NRA<sup>+21</sup>, RCC<sup>+18</sup>]. **Microbial** [BTG<sup>+03</sup>, CJ92, FBR<sup>+13</sup>, GDM<sup>+20</sup>, MZF<sup>+08</sup>, VGM<sup>+23</sup>, VDP<sup>+01</sup>, VDDA<sup>+08</sup>, CDS90, DAU22, FBT<sup>+22</sup>, HSK<sup>+19</sup>, HMPZ11, KBC<sup>+22</sup>, LRW<sup>+15</sup>, LSD<sup>+15</sup>, MVN<sup>+15</sup>, MA12, NYL<sup>+17</sup>, PVG<sup>+20</sup>, ŠGM<sup>+18</sup>, SPH<sup>+15b</sup>, TR99, XYGJ23, XHW<sup>+20</sup>, XLL<sup>+20</sup>, dJSL<sup>+20</sup>]. **microbiology** [SMB88]. **microcephalus** [ON22]. **microcosms** [SvN04]. **Microeukaryotes** [LZF<sup>+24</sup>]. **microlayer** [Har82, SRG<sup>+19</sup>]. **microlayers** [CEF<sup>+13</sup>]. **Micromesistius** [MAFS<sup>+22</sup>]. **Micronekton** [ATC<sup>+19</sup>, PBS22, AGL<sup>+15</sup>, CDL<sup>+22</sup>, GBB<sup>+20</sup>, RDG<sup>+21</sup>, RSW<sup>+23</sup>, SFS<sup>+12</sup>]. **micronektonic** [BCLD<sup>+17</sup>, NHH<sup>+23</sup>]. **micronutrient** [GHG<sup>+24</sup>]. **Microorganisms** [Mae88, PCD<sup>+18</sup>, PAPL15, PPY87, SLG<sup>+12</sup>, SK91]. **microphytoplankton** [CCW<sup>+18</sup>, HLD<sup>+21</sup>, IPG<sup>+16</sup>]. **Microplankton**

[LWBD<sup>+17</sup>, FPS<sup>+09</sup>, GGQ07, GMAB07, PD15, WYT00]. **microplastics** [STG<sup>+18</sup>]. **microscopy** [LSM<sup>+22</sup>, LGL<sup>+18</sup>, PKA19]. **Microsetella** [KSKN21]. **Microstructure** [RLSF06, VBAC<sup>+21</sup>, RLSF07]. **Microzooplankton** [HPS<sup>+01</sup>, SDL<sup>+19</sup>, BFH01, CMC<sup>+16</sup>, FB01, LMS93, LHP<sup>+05</sup>, MY23, SSH<sup>+05</sup>, ZBY<sup>+22</sup>]. **Mid** [SBK<sup>+95</sup>, WLM<sup>+22</sup>, LMS10, Lie88, LS85, MHS<sup>+20a</sup>, MHS<sup>+20b</sup>, MBB<sup>+96</sup>, PS23, PHC<sup>+19</sup>, RGMPR23, SLPA<sup>+20</sup>, CSM<sup>+15</sup>, CB06, KVLA06, SF85, VMB<sup>+22a</sup>, ZAC<sup>+23</sup>]. **Mid-1980s** [SBK<sup>+95</sup>, MBB<sup>+96</sup>]. **Mid-Atlantic** [CSM<sup>+15</sup>, CB06, KVLA06, SF85, VMB<sup>+22a</sup>, ZAC<sup>+23</sup>]. **mid-east** [Lie88]. **mid-eastern** [SLPA<sup>+20</sup>]. **mid-latitude** [MHS<sup>+20a</sup>, MHS<sup>+20b</sup>, RGMPR23]. **mid-ocean** [LS85]. **mid-oceanic** [PS23]. **mid-shelf** [PHC<sup>+19</sup>]. **mid-trophic** [LMS10]. **Middle** [BHPC06, AF10, PVG<sup>+20</sup>]. **middle-out** [AF10]. **midnight** [PNF<sup>+21</sup>]. **Midwater** [BM76, BLI<sup>+99</sup>, HPC<sup>+20</sup>, HSL96, RBL90]. **might** [BW08]. **Migrant** [AGL<sup>+15</sup>]. **migrating** [KST03]. **migration** [ASC07, Ant09, AHRT90, BEP02, CDL<sup>+22</sup>, EBM<sup>+21</sup>, FGR<sup>+06</sup>, FFT<sup>+18</sup>, GA10, GBB<sup>+20</sup>, GiIKX22, HGD22, KAK<sup>+22a</sup>, LRJ<sup>+15</sup>, MPM<sup>+18</sup>, OACA20, OAWAN18, PHKS01, RS10, SK17, UCB<sup>+18</sup>, UPPS<sup>+21</sup>, VBVYT05, YKNO23, ZGB<sup>+20</sup>, dPGSHL23]. **migrations** [ACB<sup>+13</sup>, Ang84, Dom84, DAIS10, Pug84, RAB<sup>+84</sup>, Roe84a, Roe84b, RB84, RJT84, VLCCP14]. **migratory** [GHC<sup>+17</sup>, JOGM<sup>+10</sup>, SLBVRR<sup>+22</sup>, Sma10b]. **mikimotoi** [BTS<sup>+15a</sup>]. **millenium** [RSB<sup>+01</sup>]. **millennial** [KYS<sup>+17</sup>]. **millennium** [PAB<sup>+21</sup>]. **Min** [XLL<sup>+20</sup>]. **Mineralization** [ÁSÁB<sup>+14</sup>, ÁBMÁS14, MBCB88, LTSG13, TvG02, ÁBMÁS15]. **Mineralogical** [IPHW<sup>+23</sup>]. **minerals** [ORR<sup>+02</sup>]. **Minho** [DGGdR02, MSd<sup>+16</sup>]. **mini** [CVHM<sup>+18</sup>]. **mini-mounds** [CVHM<sup>+18</sup>]. **miniaturisation** [PKA19]. **miniature** [BGM<sup>+99</sup>]. **minicosm** [LGG18]. **Minima** [SAM<sup>+10</sup>, Yu23]. **Minimum** [Ant09, DLD<sup>+19</sup>, GEO09, GLV12, HFW<sup>+98</sup>, KSV08, LGR<sup>+02</sup>, LQU07, MYH<sup>+22</sup>, PRP09, RS10, SGR<sup>+22</sup>, VSGC21, VJJ<sup>+22</sup>, WGG<sup>+08</sup>, dB94]. **mining** [JSLA<sup>+21</sup>, WFS<sup>+15</sup>]. **minke** [FGL<sup>+23</sup>]. **minus** [MJWK07]. **Mio** [GWGR<sup>+19</sup>]. **Mio-Pliocene** [GWGR<sup>+19</sup>]. **Miocene** [BW65]. **Miquelon** [BMG<sup>+21b</sup>]. **Mismatch** [DLD<sup>+19</sup>, LHC<sup>+21</sup>, MMD<sup>+16</sup>, SIB<sup>+06</sup>, WBF<sup>+21</sup>]. **mismatched** [AHC<sup>+13</sup>]. **mismatching** [AHW<sup>+15</sup>]. **missing** [KVNT20, VBA<sup>+18</sup>]. **mission** [DDJ<sup>+21</sup>]. **mix** [Bak01]. **mixed** [ATS01, Ano94c, BMK12, DHC<sup>+20</sup>, HTdM<sup>+15</sup>, LYS<sup>+22</sup>, MKM93, NF06, PFW15, YTNK00]. **mixed-layer** [Ano94c, MKM93]. **mixing** [AUE<sup>+14</sup>, BIST01, BH07, BCG<sup>+08</sup>, GvOS<sup>+08</sup>, GWS<sup>+23</sup>, HGH<sup>+19</sup>, HHP06, HLFL23, KY23, Kil76, LFI<sup>+13</sup>, LCZ<sup>+24</sup>, MMGL<sup>+07</sup>, Mar03, MWJ<sup>+08</sup>, MTK<sup>+22</sup>, NTU<sup>+14</sup>, NNM<sup>+21</sup>, OJB99, ÖÜT93, PTM<sup>+22</sup>, PIS13, PSGVS<sup>+14</sup>, PCBA<sup>+20</sup>, RBF<sup>+09</sup>, RCSA01, RPPM<sup>+23</sup>, SÖÜ94b, TYO<sup>+14</sup>, Tom81a, Tom81b, VMC<sup>+19</sup>, VBAC<sup>+21</sup>, WSH<sup>+22</sup>, XWL<sup>+22</sup>, XD95, XD96, YYT<sup>+14</sup>, ZLG17a, ZLG17b, vRGW10]. **mixoplankton** [LBP<sup>+21</sup>]. **mixotrophic** [Sie88]. **mixotrophic-cometabolism** [Sie88]. **mixotrophy**

[FEGA<sup>+14</sup>, GLF<sup>+17</sup>]. **mixture** [AdAK<sup>+18</sup>, SBFP21]. **mm** [Ang79a, Hof81]. **mobile** [Bak01, FBD18, HF10]. **mobility** [HHK<sup>+02</sup>]. **MOCI** [STGR<sup>+14</sup>]. **MOCNESS** [JF13]. **modal** [Dav85]. **Mode** [Kat18, ZHD<sup>+20</sup>, HM08, SW22, SASH08, vFB82]. **Model** [CCH<sup>+12</sup>, FPJ<sup>+15</sup>, KFM15, RSG06, TSJ<sup>+12</sup>, ABM<sup>+05</sup>, AKAL20, AGS10, AHC<sup>+13</sup>, BDP<sup>+06</sup>, BFPS06, BBC<sup>+22</sup>, BRB<sup>+01</sup>, BAARB05, BMGN15, BMB<sup>+16</sup>, BMC05, BDBJ01, BSH<sup>+20</sup>, BMG<sup>+21a</sup>, BLT<sup>+08</sup>, BCL<sup>+09</sup>, CDH<sup>+13</sup>, CMS<sup>+13</sup>, CLB<sup>+14</sup>, CHC<sup>+12</sup>, CJMI<sup>+91</sup>, Dav85, DJ92, DRE<sup>+08</sup>, DSBP15, DPF<sup>+20</sup>, DEW<sup>+97</sup>, FDHT05, FRCH15, FFA06, FACM<sup>+23</sup>, Fuk91, GKC<sup>+14</sup>, GLF<sup>+17</sup>, Gir15, GWS<sup>+23</sup>, GBH<sup>+20</sup>, GiKX22, Has82, Hea12, HLS<sup>+14a</sup>, HSC09, HHH<sup>+12</sup>, HSH97, HMH07, HLFL23, HPW10, iYO<sup>+10</sup>, Kag97, KKK04a, KHL12, KDL<sup>+01</sup>, KLP<sup>+17</sup>, KDF97, LCBN14, LBC<sup>+23</sup>, LL97, LSM08, LMS10, LC22, LFG10, LLX<sup>+21</sup>, LO85, MMGL<sup>+07</sup>, MHGGS19, MR06, MFS<sup>+07</sup>, MY92, MKHO96, MFS<sup>+16a</sup>, MFS<sup>+16b</sup>, MRW<sup>+14</sup>, Mor91, MSB<sup>+23</sup>, MVV<sup>+19</sup>, MEMC05, MST<sup>+23b</sup>, NDEG22, NGLL<sup>+22</sup>, OWH14, PVC<sup>+08</sup>, PCSMC12, PMC16, PM22, PDAM<sup>+15</sup>, PGS<sup>+22</sup>, PVA24, PST<sup>+15</sup>, PBN13, Pre86, PPD<sup>+12</sup>, RWD01]. **model** [RFC<sup>+15</sup>, RG94, RBS<sup>+09</sup>, SBMB18, Sak86, SGLF<sup>+13</sup>, SGWF<sup>+19</sup>, SGMVF14, SKWWGV18, SPSV<sup>+20</sup>, SS17, SBFP21, SZG06, SBLA10, SO91, SCLS10, SHC<sup>+06</sup>, SHC<sup>+07</sup>, SRM<sup>+10</sup>, Ste12, Ste91, SDJ14, SOA<sup>+23</sup>, Suk88, SMP07, TGJT09, TS10, TAH<sup>+11</sup>, VVV21, VMH<sup>+21</sup>, VMN08, VBM21, WCB20a, WSL20, WSO<sup>+13</sup>, WSS15, WLM<sup>+22</sup>, WPB05, WJPHB15, WWSJ07, XYL<sup>+22</sup>, XRC<sup>+15</sup>, XY21, YJS86, YWUK15, YFY05, YLY<sup>+14</sup>, ZCD08, ZCH<sup>+17</sup>, dJSL<sup>+20</sup>, vFB82, Mau10]. **model-based** [CHC<sup>+12</sup>, PCSMC12, SOA<sup>+23</sup>]. **model-data** [HHH<sup>+12</sup>]. **modeled** [REG<sup>+15</sup>, ZLZ<sup>+17</sup>]. **Modeling** [DPGC14, FY88, FUOG<sup>+16</sup>, JX18, KM08, LSM08, LPF<sup>+18</sup>, MFS<sup>+07</sup>, MSF<sup>+07</sup>, MAB<sup>+11c</sup>, MAB<sup>+11a</sup>, MAB<sup>+11b</sup>, PG13, RDD<sup>+18</sup>, SMPC<sup>+12</sup>, TMÁGC<sup>+21</sup>, VMH<sup>+21</sup>, ZMW<sup>+23</sup>, AUE<sup>+14</sup>, BFP<sup>+18</sup>, BRR<sup>+12</sup>, BtTW10, Bre82, BCG<sup>+08</sup>, CBB<sup>+19</sup>, CSBL<sup>+15</sup>, CLX<sup>+20</sup>, CNBD21, CRi<sup>+15a</sup>, DFC<sup>+21</sup>, DGH<sup>+20</sup>, FPJ<sup>+15</sup>, FFA06, FTG<sup>+11</sup>, GRS08, JAC<sup>+12</sup>, KSK<sup>+15</sup>, LL21, LGD<sup>+20</sup>, MPM<sup>+18</sup>, MPB<sup>+23</sup>, PKP14, RCÁS<sup>+15</sup>, RKC<sup>+10</sup>, SJA<sup>+23</sup>, TTB<sup>+08a</sup>, TTB<sup>+08b</sup>, VPS09, WH89, YCP<sup>+12</sup>, ZDG<sup>+21</sup>, ZHF<sup>+24</sup>, GAF15]. **Modelling** [BECA22, BS02, BTJ<sup>+17</sup>, Den03, DFM<sup>+15</sup>, DTKvH15, EAB<sup>+23</sup>, Fly03, GGJ<sup>+10</sup>, Ham90, HF10, LWY07, MMIB10, OH94, Peñ03a, PWZ<sup>+16</sup>, RTBR<sup>+22</sup>, SVL<sup>+23</sup>, SE16, SW01, TTMM<sup>+17</sup>, WBH15, APN<sup>+15</sup>, AK97, BFPS06, BMM97, BMG<sup>+19</sup>, CFM<sup>+18</sup>, CPHR98, CAA<sup>+07</sup>, CAB<sup>+18</sup>, CTA16, CTMV<sup>+14</sup>, CKL<sup>+14</sup>, DLL<sup>+23</sup>, Den87, EALF08, FRK<sup>+09</sup>, FVLC<sup>+23</sup>, Fly10, Fro93, FK99, FPS<sup>+13</sup>, GCP08, GAPM16, GMDS20, HPS<sup>+01</sup>, HM15, HT97, HLP<sup>+16</sup>, HAA<sup>+14</sup>, ILI<sup>+12</sup>, Leh01, LAHI10, LWL87, MRM<sup>+14</sup>, MPMA13, MR03, PBB<sup>+20</sup>, PRC<sup>+20</sup>, PPPdS20, SCPN15, SCHD23, SVIA14, SLY<sup>+15</sup>, TLH<sup>+15</sup>, THM<sup>+14</sup>, TGR05, VAEP24, VHK03, VHK04, WCB<sup>+20b</sup>, Yux88, dlGFM<sup>+23</sup>]. **Models** [DXH<sup>+02</sup>, KPSA17, AF10, AM10, Arb22, APHGC<sup>+22</sup>, BBE<sup>+15</sup>, BDP<sup>+06</sup>, BPA<sup>+21</sup>, BEP02, BMB<sup>+16</sup>, BBM<sup>+14</sup>, BB10, CP10, DHC<sup>+20</sup>, ECFT20, FCEZ10, Gir15, GBT<sup>+19</sup>, GAS<sup>+22</sup>, GL23, HVS10,

HMRA<sup>+03</sup>, HGB<sup>+21</sup>, HHDS02, Hof10, HLSX22, JB15, KKO10, LI10, LMS10, LAGM<sup>+23</sup>, LIH<sup>+12</sup>, LPF23, LM97, MMG<sup>+13</sup>, MV10, MD10, MR03, MPC12, MCH<sup>+12</sup>, NBHM01, OWH14, ORVES17, PRC<sup>+20</sup>, PTF10, PYKF15, PPdS21, RRLS22, SSL08, STM10, SBLA10, SA97, SHG12, SAB<sup>+22</sup>, TR99, TSL10, TMR<sup>+21</sup>, TSJC07, WFJ<sup>+15</sup>, WLM<sup>+22</sup>, WBB<sup>+01</sup>, XD95]. **modern** [GSPP<sup>+20</sup>, NF87, PRP09, WMWR08]. **modes** [DAF<sup>+22a</sup>, DAF<sup>+22b</sup>, Hut87, LG22, OAM00, RFFL21]. **modestus** [BB65]. **modification** [DJW<sup>+18</sup>]. **modified** [Iwa23]. **MODIS** [LHE<sup>+13</sup>, SNS<sup>+22</sup>, WM13]. **MODIS-Aqua** [WM13]. **Modular** [ZNR<sup>+24</sup>, BFPS06]. **modulate** [TDL<sup>+17</sup>]. **modulated** [CZW<sup>+22</sup>, MH14]. **modulates** [BAM<sup>+09</sup>, CTI<sup>+19</sup>, WLL<sup>+23</sup>]. **modulating** [HYM<sup>+12</sup>, JYL<sup>+19</sup>, TSAM<sup>+22</sup>]. **Modulation** [ABS<sup>+20</sup>, ZLC<sup>+15</sup>, CSW96, KZD<sup>+19</sup>, MM99, RCSA01, RR01, VTGC19, Wu13]. **Molecular** [HCV<sup>+20</sup>, LAGM<sup>+23</sup>, JZZY24, KHJ<sup>+10</sup>, LCB18, WPA<sup>+24</sup>]. **molecular-scale** [LCB18]. **molecules** [SGL<sup>+17</sup>]. **Mollusca** [BHB<sup>+19</sup>, RVC<sup>+13</sup>]. **mollusks** [CES<sup>+19</sup>, Kam19]. **Molokai** [SM65]. **molt** [Joh04]. **molting** [YHRT22]. **momentum** [CR97]. **Monica** [CJ92, Hic92, LPA92, SE92, VK92, WRS<sup>+92</sup>, WJE<sup>+92</sup>, Gor92]. **monitor** [RKK<sup>+21</sup>]. **Monitoring** [DPH<sup>+18</sup>, BHLU<sup>+07</sup>, CAO<sup>+20</sup>, CDB<sup>+24</sup>, DPR<sup>+18</sup>, EGP<sup>+18</sup>, FC05, GFB<sup>+15b</sup>, GFB<sup>+15a</sup>, HWB<sup>+18</sup>, JLS<sup>+22</sup>, KNS<sup>+03</sup>, Man69, MBdM<sup>+18</sup>, MHA<sup>+11</sup>, Reb02, TFY02, VMB<sup>+22a</sup>, WPH<sup>+10</sup>]. **Monod** [Fly10]. **monodon** [GRB<sup>+08</sup>, YCP<sup>+12</sup>]. **Monsoon** [Sch83, WHBK05, ABS<sup>+20</sup>, CBM<sup>+21</sup>, DL17, HFW<sup>+98</sup>, LWBD<sup>+17</sup>, MJA<sup>+07</sup>, PVV23, RGE22, RVS<sup>+21</sup>, SM01, SVU02, gWjNfLyD20, JJA<sup>+17</sup>]. **Monsoon-driven** [WHBK05, CBM<sup>+21</sup>]. **Monterey** [Bre06, BhTW10, HCC02, MCG<sup>+02</sup>]. **monthly** [GAM98a, GAM98b, OÁT<sup>+05</sup>, SS69, VGLCS06]. **Moon** [Kag97]. **Moored** [Kvi69, BBL<sup>+09</sup>, CNSHT15, LPS<sup>+19</sup>, MZZ<sup>+23</sup>]. **mooring** [HFO<sup>+22</sup>, HHZ<sup>+22</sup>, LPF<sup>+20</sup>, PTZ<sup>+23</sup>, SSM<sup>+18</sup>, Woo18, YHZ<sup>+22</sup>]. **moorings** [KMOM88, LS20]. **morhua** [AHP19, FKH<sup>+13</sup>, LSY<sup>+14</sup>, LNB13, SLY<sup>+15</sup>]. **Moroccan** [ST65]. **morpho** [CFM<sup>+18</sup>]. **morpho-stratigraphic** [CFM<sup>+18</sup>]. **Morphological** [GA01, KBE<sup>+22</sup>, FTC<sup>+16</sup>, GBG05, RK20, Zez90]. **morphology** [Nie07, RGPB<sup>+23</sup>, SW92, USH15a, Sma10a]. **mortality** [GHVG19, KSKN21, LSY<sup>+14</sup>, MRM<sup>+14</sup>, MPD<sup>+22</sup>, TS10]. **Morus** [SWP<sup>+13a</sup>]. **MOSSFA** [BCD<sup>+20</sup>]. **Motility** [Sma10b]. **motion** [GCD97, UGY<sup>+22</sup>]. **motionally** [Szu12]. **motionally-induced** [Szu12]. **motions** [Ham87, SSL07]. **motorway** [CMS<sup>+13</sup>]. **Mound** [CLG<sup>+22</sup>]. **mounds** [CVHM<sup>+18</sup>, vHMDL14]. **mouth** [Ken88]. **movement** [DXH<sup>+02</sup>, PGS<sup>+22</sup>, WSS15]. **Movements** [BMC<sup>+10</sup>, BGM<sup>+10</sup>, BHPC06, Par86, SKH<sup>+23</sup>, WLKM10, YSS14]. **Moving** [BMGN15, KKK04a]. **moving-boundary** [KKK04a]. **Mozambique** [KM10]. **much** [GCCY<sup>+14</sup>, NGLSSG14, Nof00]. **mucilage** [KS15]. **mucronata** [RBPGJ<sup>+20</sup>]. **Mud** [JJA<sup>+17</sup>, ZMCD11, LCJ<sup>+07</sup>]. **muddled** [KV18].

**Muggiaea** [BLCL14]. **Mullin** [CNT03]. **Multi**  
 [AK97, ALM<sup>+</sup>23, HHH<sup>+</sup>12, KC02, LYM12, MVC<sup>+</sup>11, SLPA<sup>+</sup>20, BDB<sup>+</sup>04,  
 BRR<sup>+</sup>12, CSS<sup>+</sup>21, Fly03, GRDS10, KSB<sup>+</sup>22, LSB<sup>+</sup>17, LSD<sup>+</sup>18, ROBRB<sup>+</sup>22,  
 RF17, iSIS02, SSW<sup>+</sup>09, Tom81b, VVV21, WCX<sup>+</sup>21, WZC20, ZSW<sup>+</sup>22].  
**Multi-decadal** [HHH<sup>+</sup>12, LYM12, CSS<sup>+</sup>21]. **multi-fleet** [GRDS10].  
**multi-layer** [ZSW<sup>+</sup>22]. **multi-model** [VVV21]. **multi-nutrient** [Fly03].  
**multi-parameter** [Tom81b]. **Multi-platform** [KC02, WZC20].  
**Multi-satellite** [AK97]. **Multi-scale** [SLPA<sup>+</sup>20, WCX<sup>+</sup>21]. **Multi-sensor**  
 [MVC<sup>+</sup>11, BRR<sup>+</sup>12, iSIS02]. **multi-systems** [LSB<sup>+</sup>17, LSD<sup>+</sup>18].  
**Multi-taxa** [ALM<sup>+</sup>23]. **multi-trophic** [KSB<sup>+</sup>22, SSW<sup>+</sup>09]. **multi-use**  
 [ROBRB<sup>+</sup>22]. **multi-year** [BDB<sup>+</sup>04, RF17]. **multicontaminated**  
 [CGD<sup>+</sup>18]. **Multidecadal** [BGMP03, KYS<sup>+</sup>17, XYK<sup>+</sup>22, YS15].  
**Multidecadal-scale** [BGMP03]. **multidimensional** [RGB<sup>+</sup>17].  
**Multidisciplinary** [PV18, DVL<sup>+</sup>99]. **multifleet** [HSC09]. **multifrequency**  
 [BOG20, ON22]. **multiparameter** [ÁBMÁS14, ÁBMÁS15]. **Multiple**  
 [Kno04, LFCSV<sup>+</sup>13, BRR<sup>+</sup>22, BGB<sup>+</sup>08, CBB<sup>+</sup>22b, DIM09, FSVL10, GCP08,  
 KWI20, ORVES17, ZCV<sup>+</sup>19]. **multiple-inertial** [KWI20]. **multiple-scale**  
 [DIM09]. **multiscale** [DDJ<sup>+</sup>21, LM18, Zav99]. **multispecies**  
 [HSC09, TMR<sup>+</sup>21]. **Multivariate**  
 [PTG95, STGR<sup>+</sup>14, Dom84, PJH<sup>+</sup>15, RGB<sup>+</sup>17, YPGE<sup>+</sup>10]. **multiyear**  
 [Lav09, PFW15]. **munida** [GRB<sup>+</sup>08, ACK<sup>+</sup>13, CSMGS19]. **Munidopsidae**  
 [Mar20]. **Munidopsis** [Mar20]. **Munnopsidae** [MB20]. **murphyi** [BHH<sup>+</sup>16].  
**mussel** [VMB<sup>+</sup>22a]. **mussels** [MCB<sup>+</sup>90]. **mutabilis** [RMB<sup>+</sup>01, WDK<sup>+</sup>01].  
**Myctophidae** [EBM<sup>+</sup>21]. **myctophids** [BM76, SCS<sup>+</sup>18]. **mykiss**  
 [WBF<sup>+</sup>21]. **Myriotrochidae** [MMK19]. **Mysids** [Roe84a, VDGGD<sup>+</sup>22].  
**mystery** [LVGH<sup>+</sup>15].

**N** [AAM<sup>+</sup>14, BPP<sup>+</sup>98, CBB<sup>+</sup>02, HM98, RKFD07, WBH15, BC19, Ang79b,  
 BM76, BHC<sup>+</sup>18, BDBJ01, CBB<sup>+</sup>02, CGC<sup>+</sup>20, CSC<sup>+</sup>12, CFG07, CF12,  
 CMF15, DVB<sup>+</sup>18, FC07, FMSBW13, GMAGH<sup>+</sup>17, GBC<sup>+</sup>00, GLS08,  
 JJA<sup>+</sup>08, MSJ<sup>+</sup>15, MM80, OMK<sup>+</sup>22, PHK<sup>+</sup>17, SKH<sup>+</sup>23, SAA<sup>+</sup>15, WNNI21,  
 WRS<sup>+</sup>92, ZCD08, vWHdS<sup>+</sup>98, SWT<sup>+</sup>17]. **N-50°** [CBB<sup>+</sup>02]. **N.E.**  
 [CLG<sup>+</sup>00, FC05]. **N.W** [vWHdS<sup>+</sup>98]. **N.W.** [BHE<sup>+</sup>98, BPP<sup>+</sup>98, FLdST98,  
 HM98, LDB<sup>+</sup>02, LHEB98, OB98, PS98, TvW98, dWDB<sup>+</sup>98]. **Name**  
 [Ano63b, Ano64c]. **Namibian** [BCP09]. **nannofossil** [Gal17]. **nannoniscid**  
 [JGB20]. **nano** [AMEV07, BAM<sup>+</sup>09, BTS<sup>+</sup>15b, CCW<sup>+</sup>18, DDP<sup>+</sup>00]. **nano-**  
 [AMEV07, BAM<sup>+</sup>09, CCW<sup>+</sup>18, DDP<sup>+</sup>00]. **nano-phytoplankton**  
 [BTS<sup>+</sup>15b]. **nanophytoplankton** [LGL<sup>+</sup>18]. **Nanoplankton**  
 [TB15, FEGA<sup>+</sup>14]. **Nanoplanktonic** [BM07]. **nanotechnologies** [Moh15].  
**NANSEN** [vAB96, EFC<sup>+</sup>23, JMSB<sup>+</sup>23, SBK<sup>+</sup>95]. **Nargis** [MMR<sup>+</sup>12].  
**natal** [BCL<sup>+</sup>09]. **National** [VDGGD<sup>+</sup>22]. **Natural** [Iwa23, MKSW<sup>+</sup>15,  
 Tit20, BM01, BhTW10, LSW<sup>+</sup>21, RLDC<sup>+</sup>13, RPG<sup>+</sup>18, RLSF06, RLSF07].  
**naturally** [TCDPP<sup>+</sup>23]. **Nature**  
 [KAH<sup>+</sup>16, HMWM00, LPF<sup>+</sup>21, LPBM17, MJ88, MB01, Pra97, SRAV19, TJ90].

**naupliar** [IMHL07]. **Navigating** [Bak06]. **Nazaré** [EvdZSH02]. **Nd** [GSPP+20, YAI+14]. **neap** [Car97a, JS90, TDL+17]. **neap-spring** [JS90, TDL+17]. **Near** [DSC+21, HHK+02, KWI20, Lie88, PTM+22, SSL07, VK90, BDBJ01, Bri83, CHSB+21, DXH+02, DW02, FWL+15, GL06, Hut81, ICB+19, LW85, LZL+22, LCZ+24, LS12, PS23, Pra91, RDL+91, RCSA01, Tho77, TBW00, TDL+17, VSC01, WAH+20, WLCG23, XWL+22, YMI88, YMK+04, ZQWP23, vHVAT22]. **Near-bed** [HHK+02, DXH+02, WAH+20]. **Near-bottom** [VK90, VSC01, XWL+22, YMK+04]. **Near-inertial** [KWI20, Lie88, PTM+22, SSL07, LZL+22, LCZ+24, WLCG23]. **near-seafloor** [TDL+17]. **near-shore** [Pra91]. **Near-surface** [DSC+21, Bri83, GL06, ICB+19, TBW00]. **near-uniform** [FWL+15]. **nearby** [ORMR+19, WLP+21]. **nearly** [RPRCAG+21]. **Nearshore** [SOWS17, BEP02, BSA06, DWC06, GLH13, aHFS92, PAM+88, RL23, Sei63, ZCV+19]. **necrophagous** [Thu90]. **Need** [ALV+21, RAB+11]. **needs** [KA94]. **negative** [KWI20, KV13, KSK21]. **negentropy** [DFD23]. **neighboring** [KSS+23, YNMY23]. **nekton** [BMN+99, INI+17, Pea02]. **Nematode** [LdSH+15, FSVL10, HVTV22, IVR+13, MSFZ19, RLR+18, UAM05]. **nematodes** [GVKD+13]. **Nemerteans** [CP19]. **NEMURO** [iIYO+10]. **Neocalanus** [MFB+84, CSK+12, DOS+18, FMT15, Gif93, Kli10, LGK+93, MFB+84, Mil88]. **neodymium** [DDCE+23]. **Neoglacial** [KiL14]. **neon** [IIS+17]. **Nepheloid** [OVR+02, CLG+00, DL17, GRMB18, HLS+14b, PdMS+13]. **nephelometer** [GRMB18]. **nepholometer** [VK90]. **Nephrops** [LML+23]. **Neptunism** [AB65]. **NESSAS** [Dri11]. **nested** [BAARB05, CGZ+16, SZG06]. **nested-grid** [SZG06]. **Net** [BKD+20, Whe93, BCOL+19, CKT+13, JTQ+18, MST+23b, OKdA+19, SMP+22a, SWP+13b, TBS+19, VEM+21, WB03, dlGFM+23]. **nets** [JF13]. **network** [AHC+13, CGS23, HMRB+03, KLC+15, LPF23, MGC+18, MDR20, RZTD17, YPGE+10]. **networks** [KM22, TMKJ+09]. **neural** [HMRB+03, KM22, LPF23, YPGE+10]. **Neutral** [McD88, MJ88, SBC+16]. **Neutral-surface** [McD88]. **Newfoundland** [HMP+13, CGV13b, DM13, HBL+13, LNB13, PCM11]. **Newfoundland/Labrador** [CGV13b]. **newly** [GKS+13, LPW+23]. **newly-discovered** [GKS+13]. **newmani** [HLPL05, LPHL+05a, PLHLF05]. **Newport** [HWS+07]. **Niche** [BGA+21, PMH17, BMG13, DFM+15, DFH+16, EBM+20, GVBV+21, KBE+22, LAGM+23, NHE+13, RPRCAG+21, TMÁGC+21, WLP+21]. **niche-environment** [KBE+22]. **niches** [GRB+08, HLD+21, SBC+16, XWL+18, ZLX+20]. **night** [BRD+15]. **Nile** [CMF11, Ore69]. **Niña** [ABP15, BCM+02, FWBC02, HCC02, LJPGC02, LCGH07, LB02, MCG+02, PK02, PKF02, RKS01, SMDG02, TTB+08a, WW02, WDMC02]. **Nino** [Pea02, FWBC02, LB02, PK02, PKF02, ACN01, ABP15, BWMGCB08, BCM+02, CBB+02, CCW+02, CSW96, CPC+02, CCHM02, CCMS08,

CCA<sup>+02</sup>, CPNL07, CW02, DW02, FGGDF<sup>+04</sup>, GR17, GdRGL<sup>+01</sup>, HLK13, HMB<sup>+86</sup>, HCC02, HSF02, Kos02, KC02, LJPGC02, LBH<sup>+87</sup>, LGR<sup>+02</sup>, LO21, LCGH07, LPF<sup>+18</sup>, LPARF<sup>+20</sup>, MG02, MCG<sup>+02</sup>, MBH<sup>+01</sup>, NFMCS<sup>+22</sup>, PBBH<sup>+22</sup>, SMdG02, SPB<sup>+02</sup>, SJ02b, SJ02a, STR01, SKT01, TTB<sup>+08a</sup>, WW02, WLM07, WDMC02, YYK<sup>+12</sup>. **Niño/La** [PKF02]. **Niños** [SHF01]. **Nitrate** [CKT<sup>+13</sup>, CCH<sup>+12</sup>, GGPG<sup>+19</sup>, LCR<sup>+93</sup>, RCSHW22, WCX<sup>+21</sup>, Whe93]. **nitrite** [MBP<sup>+11</sup>]. **Nitrogen** [BGS<sup>+04</sup>, WP91, WDMMK89, WFBN<sup>+13</sup>, BHE<sup>+98</sup>, BNC05, BAOC<sup>+07</sup>, DHDM22, FUOG<sup>+16</sup>, FFA09, HW02, HOY<sup>+21b</sup>, Kli10, KSS<sup>+23</sup>, KAAK<sup>+16</sup>, LFBR<sup>+18</sup>, MBP<sup>+11</sup>, MRAP22, NHH<sup>+23</sup>, PKV18, PLN<sup>+23</sup>, RDD<sup>+18</sup>, SIS<sup>+14</sup>, TFM03, VKGP<sup>+13</sup>, WMC<sup>+89</sup>, WNNI21, Whe93]. **nitrogenous** [KNI<sup>+05</sup>]. **Nitrous** [dIPHF<sup>+15</sup>]. **nitzschia** [PTY<sup>+23</sup>, VSPP14]. **NL** [CLMR23]. **No** [IL20, ROBRB<sup>+22</sup>]. **no-take** [ROBRB<sup>+22</sup>]. **NOAH** [NF87]. **nocturnal** [LSIB23]. **nodule** [BJMP19, BJMP20]. **nodules** [Hey78, VCM04]. **NOI** [SMG02]. **noise** [Pie01, RFS10]. **noitei** [AR18]. **Non** [FCMCÁS19, GSC<sup>+20</sup>, MHGGS19, Ang79a, CPNL07, FVA<sup>+19</sup>, LPF<sup>+18</sup>, McD81a, MMF<sup>+12</sup>, PSM<sup>+22</sup>, PCR<sup>+22</sup>, RWD01, RGC<sup>+01</sup>, SL13, TMN<sup>+12</sup>, Tom81b, TIOM16, WLP<sup>+21</sup>]. **Non-carnivorous** [GSC<sup>+20</sup>]. **non-El** [CPNL07, LPF<sup>+18</sup>]. **non-indigenous** [SL13]. **non-invasive** [FVA<sup>+19</sup>]. **non-isopycnal** [Tom81b]. **non-large-meander** [TMN<sup>+12</sup>]. **non-linear** [McD81a]. **non-local** [PSM<sup>+22</sup>]. **non-normal** [TIOM16]. **Non-Redfieldian** [MHGGS19, FCMCÁS19]. **non-Russian** [Ang79a]. **non-stationary** [PCR<sup>+22</sup>]. **non-steady-state** [RWD01, RGC<sup>+01</sup>]. **non-upwelling** [MMF<sup>+12</sup>]. **non-vent** [WLP<sup>+21</sup>]. **Nonlinear** [Bre06, CSS11, GXX<sup>+22</sup>, GLPC23, Li14, McD81b, vHMDL14]. **NORCAN** [DP13]. **Nordic** [HØ00, AHSS22, BLP<sup>+20</sup>, BGV<sup>+23</sup>, FWL<sup>+15</sup>, HØH<sup>+03</sup>, JJA<sup>+08</sup>, MRO<sup>+08</sup>, MM01, NBHM01, SH09, SAH<sup>+21</sup>, YS15]. **normal** [LWBD<sup>+17</sup>, TIOM16]. **North** [ALT10, BLAM00, BBM<sup>+14</sup>, BMC<sup>+10</sup>, CSC<sup>+12</sup>, DGMM85, DMML88, FGSA97, GLF<sup>+17</sup>, GSF<sup>+15</sup>, GLLB22, HBL<sup>+13</sup>, HMP<sup>+13</sup>, HCV<sup>+20</sup>, LZCZ05, MHS<sup>+20a</sup>, PGC<sup>+96</sup>, SIR<sup>+07</sup>, Sei63, Tom81a, AAMB<sup>+24</sup>, BFH01, BAOM<sup>+12</sup>, CGC<sup>+20</sup>, GL06, GdRGC<sup>+14</sup>, HPB<sup>+09</sup>, HFO90, LG22, LSIC12, MNS<sup>+24</sup>, MTC12, PLK14, RBR<sup>+23</sup>, RWOA01, STC10, SAA<sup>+15</sup>, SVU02, SKCP23, WDC<sup>+11</sup>, ZGB<sup>+20</sup>, vAB96, ABD<sup>+17</sup>, AHP19, APC<sup>+12</sup>, Ang84, ABSDC07, AFH<sup>+11</sup>, ALM<sup>+23</sup>, BM76, BRB<sup>+01</sup>, BZD<sup>+21</sup>, BDTC15, BGMP03, Bea04, BLHB07, BLAM98, BGM<sup>+99</sup>, BBL<sup>+18</sup>, BDBJ01, BHLU<sup>+07</sup>, BMG<sup>+21a</sup>, BMN<sup>+99</sup>, BKB85, CRGA17, CPG<sup>+18</sup>, CMJPH<sup>+18</sup>, CBB<sup>+02</sup>, CBB<sup>+22c</sup>, CCHM02, CAT<sup>+08</sup>, CSK<sup>+12</sup>, CHSB<sup>+21</sup>, CF07, DHC<sup>+20</sup>, DN07, DML<sup>+16</sup>, DL69, DLM<sup>+96</sup>, Dom84, DLC<sup>+08</sup>, Dri06, DK07, ECGP01, ED82, FCMCÁS19, dCFK17, FKZ<sup>+15</sup>, FvBA<sup>+17</sup>, FMP19, FJH10, FW91, FMW91, GHF<sup>+21</sup>, GMDD<sup>+22b</sup>, GTB07]. **North** [GKR20, GdRGL<sup>+01</sup>, GPC<sup>+03</sup>, GC09, GLS08, HSS<sup>+12</sup>, HPC<sup>+20</sup>, HVRR15, HØ00, HM00a, HMWM00, HFNG00, HDZY15, HRSM08, Hea12, HBR11, HMPZ11, HKPV12, HGBG20,

His22, HAA<sup>+14</sup>, HHSR07, HHP10, HBH<sup>+17</sup>, HMH07, HPNDC15, HMA18, HWS<sup>+07</sup>, IIS<sup>+17</sup>, IHT<sup>+21</sup>, IMM<sup>+22</sup>, iIRM<sup>+15</sup>, IU14, JAS<sup>+20</sup>, JST<sup>+24</sup>, JJS03, KRL08, KST<sup>+10</sup>, Kat18, KKNT23, KY15, KDL<sup>+01</sup>, KJH<sup>+22</sup>, Kos93, KAH<sup>+16</sup>, KDB95, KFM15, KTW<sup>+22</sup>, KYS<sup>+17</sup>, LS20, LYM12, LBSP01, LLH<sup>+21</sup>, LG23, LSMG01, LM14, LGZL22, LOC95, LBF<sup>+22</sup>, MMG<sup>+13</sup>, MRM<sup>+14</sup>, MHS<sup>+20b</sup>, Man04, MEMP15, MMF<sup>+17</sup>, MHR<sup>+10</sup>, McC92, MS17, MSI17, MRH<sup>+14</sup>, MBF<sup>+14</sup>, MS00, MM99, Min00, Min02, MTK<sup>+22</sup>, Mol04, Mol22, MR03, MNFY21, MW96, NEI<sup>+22</sup>, NHH<sup>+23</sup>, NCH<sup>+07</sup>, NJCD01, NMO<sup>+21</sup>, NGNV12, NRA17, OTNI20, Ola65b, OOTA15, ORMR<sup>+19</sup>, OMS<sup>+15</sup>, OAD22, OAM00, ORMB08, PMG15, PVC<sup>+08</sup>, PL01, PBB<sup>+12a</sup>].

**North** [PDV12, PBB<sup>+12b</sup>, PMDR06, PJH<sup>+15</sup>, Pie01, Pug84, Qiu15, RWD01, RSB<sup>+01</sup>, RM93, Rei94, RCD<sup>+94</sup>, Ric85, Ric93, RDC<sup>+21</sup>, RAB<sup>+84</sup>, Roe84a, Roe84b, RB84, RJT84, RM89, RHM<sup>+19</sup>, SGL<sup>+18</sup>, SCLG<sup>+11</sup>, SVHM<sup>+13</sup>, SHK<sup>+14</sup>, STPHM<sup>+23</sup>, SAM<sup>+04</sup>, SBH<sup>+14</sup>, Sek99, Sme93, SLGI<sup>+21</sup>, SIS<sup>+14</sup>, SBD01, SJD10, STR01, SKH00, SASH08, SKT01, SD07, TOKLC08, TŠT<sup>+17</sup>, Tom81a, THM<sup>+06</sup>, THM<sup>+14</sup>, TRMV15, UKM<sup>+14</sup>, UBB<sup>+23</sup>, UB10, VBL<sup>+21</sup>, VHV<sup>+12</sup>, VFS<sup>+15</sup>, VR03, WLD<sup>+15</sup>, WHS17, WFD<sup>+07</sup>, WSO<sup>+13</sup>, WO85, WNNI21, WFBN<sup>+13</sup>, WBB<sup>+01</sup>, WJPHB15, WZ04, WWSJ07, Wu13, WG82, YYT<sup>+14</sup>, YMA<sup>+17</sup>, YTB<sup>+21</sup>, Yas07a, YSD15, YAK<sup>+08</sup>, YBPS08, YYK<sup>+12</sup>, YFY05, YSN20, YMK<sup>+04</sup>, ZLZ<sup>+17</sup>, ZBLF23, vAB96].

**North-East** [ALT10, CSC<sup>+12</sup>, CPG<sup>+18</sup>, PMG15, ABSDC07].

**north-eastern** [HPB<sup>+09</sup>, vAB96].

**north-west** [RWOA01, GKR20, Tom81a].

**north-western** [AAMB<sup>+24</sup>, LSIC12, MTC12, ZGB<sup>+20</sup>, SGL<sup>+18</sup>, SAM<sup>+04</sup>].

**Northeast** [FKH<sup>+13</sup>, HHW22, KFM<sup>+17</sup>, VSC01, AGL<sup>+15</sup>, BP02, BKD<sup>+20</sup>, CZG<sup>+21</sup>, CGS23, CR20, DCKB13, DMBB02, DAKV99, KJZ<sup>+12</sup>, KT04, KRHS14, LFG10, PFHM16, PB07, PP85, RTN90, SMdG02, SMG02, SJ02a, Thu90, dPCS23, ARG11, BMNW01, BSH<sup>+20</sup>, CTKF<sup>+23</sup>, CPHR98, CBOP15, DBC<sup>+18</sup>, DSC<sup>+21</sup>, DP13, FMSBW13, HBD<sup>+21</sup>, Has06, Hau18, HHW01, JSdSS<sup>+21</sup>, JLB<sup>+08</sup>, KYT<sup>+16</sup>, KSR<sup>+01</sup>, KRL<sup>+22</sup>, LBK<sup>+01</sup>, LMP22, MBT07, MMMWZ23, MFB<sup>+84</sup>, MHCS<sup>+23</sup>, NXT<sup>+17</sup>, RGC<sup>+01</sup>, Rea00, RSK<sup>+23</sup>, RFKC16, RGM01, SLOP<sup>+22</sup>, SBFP21, SLY<sup>+15</sup>, SBE<sup>+20</sup>, TWBC<sup>+13</sup>, Tit20, WHBW03, WDK<sup>+01</sup>, WXH07, XNT<sup>+17</sup>].

**Northeastern** [GD85, BDG<sup>+17</sup>, HLM<sup>+16</sup>, PCD<sup>+18</sup>, SDP<sup>+22</sup>, VKJ<sup>+23</sup>, WLP<sup>+21</sup>, JG07, SSVP00, VPW01].

**northeastward** [FZ88].

**Northern** [DMF<sup>+09</sup>, FAAV<sup>+15</sup>, Mar20, MBD<sup>+09</sup>, WO85, ABE<sup>+15</sup>, AOMZ<sup>+23</sup>, AJV<sup>+02</sup>, ABP15, BLT<sup>+08</sup>, CIL<sup>+23</sup>, CWZ<sup>+20</sup>, CSM<sup>+15</sup>, CSMGS19, CVBG21, CBGC<sup>+08</sup>, CCM<sup>+14</sup>, CCH<sup>+12</sup>, CBT07, CS04, DCD<sup>+23</sup>, DML<sup>+16</sup>, DBR03, DWNN04, DJG<sup>+02</sup>, DSR21, DFC<sup>+21</sup>, EFC<sup>+23</sup>, EBvdL<sup>+09</sup>, FJA<sup>+21</sup>, FUOG<sup>+16</sup>, FMC<sup>+20</sup>, FVLC<sup>+23</sup>, GIHJ23, GC14, HBV<sup>+10</sup>, HSC09, HW02, HOY<sup>+21a</sup>, HPZC21, HMH07, HHZ<sup>+22</sup>, HSF02, IHY<sup>+01</sup>, JCM<sup>+21</sup>, JMSB<sup>+23</sup>, Kli10, KLP<sup>+17</sup>, Kos02, KS15, LDAM<sup>+07</sup>, LBP15, McC92, MZZ<sup>+23</sup>, MMD<sup>+16</sup>, MFM15, NEI<sup>+22</sup>, ON05, OVR<sup>+02</sup>, PS23, PK02, PBS22, PCH08a, PVA24, PST<sup>+15</sup>, PCH<sup>+08b</sup>, QLW10, RCS<sup>+11</sup>, RGE22, RDC<sup>+21</sup>, RB20, SE16, SSTL16, SR15, SPB19, SD07, SYN<sup>+21</sup>, TVT<sup>+23</sup>, TMÁGC<sup>+21</sup>, VOG<sup>+08</sup>, VBM21, VKJ<sup>+23</sup>,



VOJD02a, VOJD02b, WD94, WST<sup>+21</sup>, WHS<sup>+23</sup>, WL16, WZC20, XLX<sup>+20</sup>, YBS<sup>+01</sup>, YPGE<sup>+10</sup>, YGC<sup>+21</sup>, YHZ<sup>+22</sup>, ZHD<sup>+20</sup>, ZDG<sup>+21</sup>, ASFB<sup>+13</sup>].

**Northern** [BH85, BPSN<sup>+21</sup>, CBB<sup>+19</sup>, CBB<sup>+22b</sup>, CRT<sup>+22</sup>, DMML88, DLJ<sup>+21</sup>, FWO15, FFA06, GCED22, GCFS06, HMRB<sup>+03</sup>, HWF<sup>+21</sup>, JBB<sup>+14</sup>, MPC<sup>+17</sup>, OBD<sup>+20</sup>, PL09, RBE<sup>+12</sup>, SMG02, TTB<sup>+08a</sup>, TTB<sup>+08b</sup>].

**Northern-Boundary** [WO85]. **Northward** [KAK<sup>+22a</sup>, Nof03, SE08, SE09].

**northwest** [AS20, HHK<sup>+22</sup>, HWLT10, HHH<sup>+12</sup>, HG04, LPARF<sup>+20</sup>, MMB10, MCGR07, MM80, Mit91, SHS<sup>+05</sup>, TLH<sup>+15</sup>, TLP<sup>+16</sup>, YJS86, BIST01, BHB<sup>+19</sup>, BAB<sup>+19</sup>, BHMS09, CGV13a, DP13, GM19, JS21, JM19, JLRB20, JCIG18, Kam19, KKS<sup>+19</sup>, KHP<sup>+18</sup>, LFC<sup>+15</sup>, MH02, Mit83, NB87, OMK<sup>+22</sup>, ORR<sup>+02</sup>, QPR03, SPK<sup>+22</sup>, VNMS91, WMB<sup>+21</sup>, WAH<sup>+20</sup>].

**northwestern**

[ANH21, AJHC19, BRG<sup>+23</sup>, BGA<sup>+21</sup>, Car98, CLL<sup>+18</sup>, CBD<sup>+24</sup>, DZ04, FVA<sup>+19</sup>, FEGA<sup>+14</sup>, FMWW14, GCC<sup>+24</sup>, GIPG17, KCL<sup>+12</sup>, KiL14, KMS<sup>+24</sup>, LYZ16, lLdZQ<sup>+22</sup>, LSMG01, Mar20, MGA<sup>+23</sup>, MZZ<sup>+23</sup>, MMG<sup>+11</sup>, OT19, OACB<sup>+15</sup>, Owe91, PGLG<sup>+05</sup>, PAG<sup>+18</sup>, RLP<sup>+18</sup>, SGL<sup>+13</sup>, SHP<sup>+23</sup>, San73, SM21, SvWRvB02, SCC14, STS<sup>+12</sup>, WCS<sup>+23</sup>, ZZPL18, dIGFM<sup>+23</sup>, CGM<sup>+02</sup>, CNBD21, CFC<sup>+18</sup>, CdMS<sup>+18</sup>, HLM<sup>+13</sup>, JMG<sup>+13</sup>, LGL<sup>+18</sup>, SGA<sup>+19</sup>, TPM<sup>+16b</sup>, TPM<sup>+16a</sup>, Tol85a, TCL<sup>+15</sup>, WH20, ZFSV<sup>+09</sup>].

**Northwind** [RCB<sup>+20</sup>]. **norvegica** [CNT<sup>+19</sup>, KSKN21, MPSD15, SIR<sup>+07</sup>].

**Norway** [FGL<sup>+23</sup>, Mid69, MPN09, SST<sup>+17</sup>]. **Norwegian**

[HBL<sup>+13</sup>, BMK12, BPNB90, BS95, DCL<sup>+13a</sup>, DBM17, EBD<sup>+20</sup>, FDE<sup>+22</sup>, FAH<sup>+13</sup>, HBG<sup>+21</sup>, HMP<sup>+13</sup>, Leg91, Mos69, NF06, SBK<sup>+95</sup>, Ste91, SBS90].

**notably** [dSSDS<sup>+20</sup>]. **Note** [Ano03h, Ano03i, Ano19o, Ano07s, Ano08x, Ano10a, BSA06, FZ88, Sud86, Swa76]. **notes** [BM76]. **notice** [Swa77]. **nov** [AM19]. **Novel** [CCM<sup>+13</sup>, SPH<sup>+15b</sup>]. **November**

[Ano04g, Ano11h, Ano12o, Ano14o, Ano15p, Ano16s, Ano18n, Ano19j, Ano20s, Ano21s, Ano22z, Ano22-33, Ano23s, FBB<sup>+21</sup>]. **NPP** [VEM<sup>+21</sup>].

**NSCS** [XLX<sup>+20</sup>]. **NSCS-RiOMar** [XLX<sup>+20</sup>]. **Numerical**

[AR18, AEPW93, GLPC23, GRS08, HT97, Leg91, Li14, MGKW19, SZG06, TCN20, YN03a, YN03b, Yux88, ASFB<sup>+13</sup>, Ano94c, BFPS06, BCG<sup>+08</sup>, CDH<sup>+13</sup>, CCMS08, FDHT05, HSH97, KRL08, MKM93, PTF10, Pre86, RDL<sup>+91</sup>, SGMVF14, Ste91, WDMMK89, WD94, vFB82]. **nurseries** [DFM<sup>+15</sup>]. **nursery** [CDTM<sup>+21</sup>, HvDL<sup>+17</sup>, RASVB<sup>+22</sup>]. **Nutriclines** [SGS<sup>+23</sup>]. **Nutrient**

[CCW<sup>+02</sup>, FGL<sup>+23</sup>, HNR<sup>+17</sup>, LGZL22, LGD<sup>+20</sup>, PMDR06, SMP<sup>+22b</sup>, ZLR<sup>+07</sup>, AJA<sup>+22</sup>, AFBT<sup>+22</sup>, CHC<sup>+12</sup>, CW02, DHL<sup>+21</sup>, FCMCÁS19, Fly03, FYYC05, HLR17, HAH<sup>+22</sup>, ILA21, iIYO<sup>+10</sup>, JJL<sup>+19</sup>, JX18, JRW01, JCF<sup>+23</sup>, KTN14, KMS<sup>+24</sup>, KSPK99, KNI<sup>+05</sup>, KZD<sup>+19</sup>, LDD<sup>+22</sup>, LFBR<sup>+18</sup>, LZCZ05, MRA<sup>+19</sup>, MHGGs19, MHCR<sup>+12</sup>, NHN<sup>+21</sup>, NKK<sup>+05</sup>, PV07, PKV18, ST03, SGS<sup>+23</sup>, SKP99, SM16, TDGY22, TAM<sup>+15</sup>, TSP<sup>+13</sup>, WW02].

**nutrient-conserving** [HAH<sup>+22</sup>]. **Nutrients** [CDH<sup>+13</sup>, TWAL<sup>+11</sup>, BMK12, FAH<sup>+13</sup>, KFC<sup>+23</sup>, KSC10, LMC<sup>+20</sup>, LGG18, LDMH09, RBR<sup>+23</sup>, RDD<sup>+18</sup>, SK18, SK21, TZP<sup>+00</sup>, WGZZ19, WDMC02, WXH07, ZGZ19]. **nutrition**

[GLV12]. **Nutritional** [LDH90, DMC<sup>+18</sup>, KTN14]. **NW** [AAM<sup>+14</sup>, ABT<sup>+04</sup>, BAOC<sup>+09</sup>, BMG<sup>+21b</sup>, CLD22, CQZ<sup>+18</sup>, EMU<sup>+23</sup>, KFC<sup>+13</sup>, LRGV<sup>+18</sup>, PGT<sup>+13</sup>, SCAA07, STG<sup>+18</sup>, VFCC<sup>+22</sup>, VGM<sup>+23</sup>, ACB<sup>+13</sup>, ACL<sup>+18</sup>, ÁSDB<sup>+01</sup>, ÁSFP<sup>+03</sup>, AUE<sup>+14</sup>, BAM<sup>+09</sup>, BGM<sup>+01</sup>, BCOL<sup>+19</sup>, BBPHG<sup>+11</sup>, BBRM20, CJRÁ<sup>+13</sup>, CCHV<sup>+21</sup>, CHSB<sup>+21</sup>, CVHM<sup>+18</sup>, DAU22, DCCR<sup>+22</sup>, DCL<sup>+13b</sup>, FBR<sup>+13</sup>, FARRL<sup>+13</sup>, FB01, GMAMB04, GASV<sup>+09</sup>, GHL15, GBB<sup>+20</sup>, HHB<sup>+01</sup>, HDM19, HBV<sup>+99</sup>, HHB<sup>+22</sup>, IVR<sup>+13</sup>, JW01a, LSM<sup>+22</sup>, LB20, LFBP<sup>+13</sup>, LMP22, MAFS<sup>+22</sup>, ORW<sup>+01</sup>, POS<sup>+07</sup>, PPHM18, PPSVC<sup>+13</sup>, PGGG17, PRL<sup>+18</sup>, RCC<sup>+18</sup>, RCF<sup>+13</sup>, RÁSG<sup>+13</sup>, RAE<sup>+05</sup>, SOS<sup>+07</sup>, SSB19, SSB20a, SCMAR<sup>+99</sup>, SVHM<sup>+13</sup>, SCB<sup>+09</sup>, VSPP14, vWM02a, vWdSBdH02].

**O** [BSF95, CFG07, CF12, CMF15, FC07, LCJ<sup>+17</sup>]. **oak** [FBR<sup>+13</sup>]. **obesus** [HHP10, MRAP22]. **objective** [HRA00, RGB<sup>+17</sup>, VBL04, WSO<sup>+13</sup>]. **Objectives** [PV18]. **Observation** [ILI<sup>+12</sup>, KGL22, LLH<sup>+21</sup>, MAB<sup>+11b</sup>, VBYYT05, DDJ<sup>+21</sup>, SCY<sup>+23</sup>, UGY<sup>+22</sup>]. **Observation-based** [KGL22, LLH<sup>+21</sup>]. **Observational** [BCG<sup>+08</sup>, DFC<sup>+21</sup>, QYF<sup>+24</sup>, Sch03, FRK<sup>+09</sup>, Kag97]. **Observations** [BhTW10, LRS<sup>+03</sup>, LCZ<sup>+24</sup>, MM80, MKMF<sup>+89</sup>, PL18, Tho77, WSH<sup>+22</sup>, XHC<sup>+20</sup>, APN<sup>+15</sup>, ABM<sup>+05</sup>, ALBP87, BIST01, BDBJ01, BPC<sup>+05</sup>, BRR<sup>+12</sup>, CSS11, CLY22, CPSM20, CCH<sup>+12</sup>, CRi<sup>+15a</sup>, DHC<sup>+20</sup>, DOS<sup>+18</sup>, DLC<sup>+08</sup>, FRV<sup>+19</sup>, FGR<sup>+06</sup>, GBM<sup>+01</sup>, GTNK21, HTdM<sup>+15</sup>, HHZ<sup>+22</sup>, KHD22, LaC08, LS20, LHE<sup>+13</sup>, LC16, MBS20, MZZ<sup>+23</sup>, MS00, MKM86, PC87, Pra91, RM97, RR03, Rud15, RKC<sup>+10</sup>, SJA<sup>+23</sup>, ŠGM<sup>+18</sup>, Ste04, SOA<sup>+23</sup>, SNS<sup>+22</sup>, TBS<sup>+19</sup>, TSAM<sup>+22</sup>, VBL<sup>+21</sup>, VNMS91, WLM<sup>+22</sup>, WZC20, XYWY23, YHZ<sup>+22</sup>, YN20, YLY<sup>+14</sup>, vHMDL14, vHCY<sup>+20</sup>]. **observatories** [RAB<sup>+11</sup>]. **Observatory** [CLMR23, HBD<sup>+21</sup>, VGM<sup>+23</sup>, CNSHT15, DOS<sup>+18</sup>, TAW<sup>+15</sup>, VGJ<sup>+19</sup>, SAW<sup>+15</sup>]. **Observed** [CGD<sup>+22</sup>, KSK21, MZH<sup>+23</sup>, MVS08, PTZ<sup>+23</sup>, ZLZ<sup>+17</sup>, CS04, HMRA<sup>+03</sup>, HZD<sup>+23</sup>, HBD<sup>+18</sup>, JJA<sup>+08</sup>, Kos02, KRHS14, LO85, Man69, McG64, MSS<sup>+02</sup>, Ric93, TYO<sup>+14</sup>, VK90, YYK88, ZZPL18, ZBLF23]. **observing** [HBD<sup>+21</sup>, MJC<sup>+17</sup>, SFK<sup>+99</sup>, VSA<sup>+21</sup>, Whi95]. **obtained** [PHC<sup>+19</sup>]. **occidental** [MEMC05]. **Occurrence** [CJG88, GLY23, PAG<sup>+18</sup>, STG<sup>+18</sup>, SCCJ<sup>+18</sup>, DWNN04, IMM<sup>+22</sup>, MB01, RSW<sup>+23</sup>, SCB<sup>+09</sup>, SOWS17, SWP<sup>+13a</sup>]. **occurrences** [KT04, MRW<sup>+14</sup>]. **Ocean** [AC85, Ang79a, APSC11, BMG<sup>+21a</sup>, Bre82, DDJ<sup>+21</sup>, FTG<sup>+11</sup>, HMRA<sup>+03</sup>, HBV<sup>+10</sup>, HHB<sup>+22</sup>, Ike88, JJA<sup>+13</sup>, JCM<sup>+21</sup>, Kra82, KPSB17, KMF<sup>+20a</sup>, MCL<sup>+15</sup>, MYH<sup>+22</sup>, MAB<sup>+11c</sup>, MAB<sup>+11a</sup>, MAB<sup>+11b</sup>, OHH<sup>+22</sup>, RHB23, SCS<sup>+18</sup>, SAA<sup>+15</sup>, SPK<sup>+19</sup>, SJM<sup>+19</sup>, UGY<sup>+22</sup>, ASJ<sup>+23</sup>, AFBT<sup>+22</sup>, AASJ23, AK97, AGS10, Ang89, AG22, Arb22, AB65, BBE<sup>+15</sup>, BHK<sup>+16</sup>, BHHR15, BGM<sup>+99</sup>, BPGD<sup>+14</sup>, Bro82, BB10, BCG<sup>+08</sup>, Cai95, CKP<sup>+20</sup>, CTKF<sup>+23</sup>, CVBG21, CBB<sup>+22c</sup>, CSS<sup>+19</sup>, CP83, CWS<sup>+21</sup>, CGB07, CEF<sup>+13</sup>, Dea85, Dur09, ERBV21, EHSI12, EGPM<sup>+15</sup>, FPD<sup>+01</sup>, FDHT05, FBS22, FACM<sup>+23</sup>,

FWH<sup>+17</sup>, FGS<sup>+23</sup>, Fuk91, FWL<sup>+15</sup>, GPEV20, GSPP<sup>+20</sup>, Gar06, GR17, GLAHH<sup>+22</sup>, GCD<sup>+13</sup>, GBC<sup>+16</sup>, GCED22, GCD97, GZCL23, HWPLvW20, HKL<sup>+15</sup>, HHK<sup>+22</sup>, Has82, HS07, HDZY15, HMX<sup>+23</sup>, HM15, HLGA07, HHMB<sup>+09</sup>, HAA<sup>+14</sup>, HMKF08, HTdM<sup>+15</sup>, HLFL23, HWB<sup>+18</sup>, HDB13]. **ocean** [Hut87, Hut92, Hut95, HSF02, IGG<sup>+19</sup>, IPF23, IG19, JB15, JvdLL<sup>+15</sup>, JSKM02, JST<sup>+24</sup>, JCF<sup>+23</sup>, KM08, KC15, KBHML17, KFM<sup>+17</sup>, KY14, KA85, KMS<sup>+24</sup>, KLIRK17, Kru19, KRL<sup>+22</sup>, LVGH<sup>+15</sup>, LK13, LL97, LRW<sup>+15</sup>, LMS10, LGZW22, LL21, LM97, LB14, LH89, LS85, MLL<sup>+22</sup>, Mac98, MBT07, MGE<sup>+12</sup>, MHS<sup>+20a</sup>, MHS<sup>+20b</sup>, MB20, MMR<sup>+12</sup>, MPM<sup>+17</sup>, MBS20, MFS<sup>+16a</sup>, MFS<sup>+16b</sup>, MJ88, McK15, MFDH22, MLHE23, MWS<sup>+10</sup>, MFB<sup>+84</sup>, Mit91, MK12, MJC<sup>+17</sup>, MZGA<sup>+20</sup>, NHS<sup>+14</sup>, NNM<sup>+21</sup>, NH88b, NBG<sup>+05</sup>, OWH14, PRP09, PCK<sup>+06</sup>, PM22, PSK96, Pie01, PZA<sup>+15</sup>, PAVB<sup>+21</sup>, PLK14, RM97, RSMIS03, RGI05, RG09, RFKC16, Roo82, RLC85, RA15, RAB<sup>+11</sup>, SMFM<sup>+21</sup>, SGLF<sup>+13</sup>, SOB<sup>+08</sup>, SSB<sup>+20b</sup>, SMN<sup>+14</sup>, SF15, SZG06, SE08, SE09, SBLA10, SON<sup>+20</sup>, SA97, SHF01, SBB<sup>+22</sup>, SV97, SMKK21, Ste04, SJD10, Ste91, SK91, SBBV04]. **ocean** [SW65, SSW<sup>+09</sup>, STGR<sup>+14</sup>, Szu12, TMH<sup>+16</sup>, TAM<sup>+13</sup>, TAH<sup>+11</sup>, Tur15, VBL<sup>+21</sup>, Val99b, VGJ<sup>+19</sup>, VDS<sup>+18</sup>, WD94, War06, WGCS13, WSO01, WMB<sup>+18</sup>, Whi94, Whi95, WLM07, WHI<sup>+02</sup>, WLM<sup>+22</sup>, WBH15, Wun24, XLX<sup>+20</sup>, XYWY23, YFK21, YS15, YZX<sup>+23</sup>, YSS14, YN03a, Yu23, ZCD08, ZKT88, ZL01, ZNR<sup>+24</sup>, ZHF<sup>+24</sup>, ZHBW01, ZBLF23, dMM69, dHA<sup>+04</sup>, dPCS23, vHCY<sup>+20</sup>, AMFY20, AMY<sup>+23</sup>, AdAK<sup>+18</sup>, ÁSÁB<sup>+14</sup>, ÁBMÁS14, ÁBMÁS15, AKAL20, ATC<sup>+19</sup>, Ano94c, AFH<sup>+11</sup>, AGL<sup>+15</sup>, AvD15, APHGC<sup>+22</sup>, AT07, ARG11, ABP<sup>+23</sup>, BBE<sup>+15</sup>, BSC<sup>+19</sup>, BLR<sup>+23a</sup>, BGMP03, BP02, BSF95, BvdLA<sup>+11</sup>, BGM<sup>+10</sup>, BLHB07, BEH19, BMdMS<sup>+21</sup>, BKC15, BHS<sup>+15</sup>, BHC<sup>+18</sup>, BC16, BS95, BS02, BLES16, BTJ<sup>+17</sup>, BGWP<sup>+17</sup>, BTV<sup>+17</sup>, CSR90, CKM<sup>+21</sup>, CPC<sup>+15</sup>, CVBG21, CSLJ03, CGZ<sup>+16</sup>, CGS23, CKT<sup>+13</sup>, CDP14, CRPS<sup>+15</sup>, Dag93, DAvD<sup>+21</sup>, DY0<sup>+10</sup>, DML<sup>+16</sup>, DPB06, DCKB13, DMC<sup>+18</sup>, Don65]. **Ocean** [Don87, Don94, DS65, DMBB02, DBRK17, FPD<sup>+01</sup>, Fai65, FGS<sup>+15</sup>, dCFK17, FPJ<sup>+15</sup>, FACM<sup>+23</sup>, Fre07, Fro93, FWL<sup>+15</sup>, GLY23, GWB14, GMAGH<sup>+17</sup>, GTB07, GCV<sup>+24</sup>, GBC<sup>+00</sup>, Gif93, GLAHH<sup>+22</sup>, GGAA<sup>+23</sup>, GWGR<sup>+19</sup>, GTNK21, GBH<sup>+20</sup>, GCS91, GSF<sup>+15</sup>, GLV12, GVKD<sup>+13</sup>, GMDS20, HLR17, HSK<sup>+19</sup>, HPB<sup>+09</sup>, HVTV22, Hay65, HBR11, HGPFN<sup>+14</sup>, HGTP<sup>+19</sup>, HMO<sup>+13</sup>, HSLG11, HKE<sup>+10</sup>, HBW17, HCV<sup>+20</sup>, HFK03, HLTB<sup>+17</sup>, HHP10, HK65, HPH<sup>+08</sup>, IMM<sup>+22</sup>, iIRM<sup>+15</sup>, ISH<sup>+04</sup>, JS21, JAC<sup>+12</sup>, JHM<sup>+22</sup>, JG07, JCM<sup>+21</sup>, JPIP22, Kam19, KRL08, KPM<sup>+23</sup>, KSR<sup>+01</sup>, Kiv97, KAK<sup>+22a</sup>, KS06, KH09, KAH<sup>+16</sup>, KB65, KTW<sup>+22</sup>, KMF<sup>+20b</sup>, LJ65, Leh01, Let87, Lev88, LMH<sup>+13</sup>, LMT<sup>+19</sup>, LdSH<sup>+15</sup>, LM14, LSW<sup>+21</sup>, LLX<sup>+21</sup>, LS15, LB14, MMR<sup>+09</sup>, MNS<sup>+24</sup>, MGWZ20, Mar20, MRO<sup>+08</sup>, MR06, MRAP22, MOS<sup>+13</sup>, MST<sup>+23a</sup>, MMF<sup>+17</sup>, MKM93, MFS<sup>+16a</sup>, MFS<sup>+16b</sup>, MBKS08]. **Ocean** [McG64, MRH<sup>+14</sup>, MKSvA<sup>+22</sup>, MPSS91, MHH<sup>+15</sup>, MN88, Mil88, MC88, MS00, MFA<sup>+15</sup>, MTK<sup>+22</sup>, MFM85, MGK<sup>+86</sup>, MKOLA20, MJD<sup>+21</sup>, MCMT<sup>+17</sup>, MVS08, MCH<sup>+12</sup>, MW96, NJCD01, NXT<sup>+17</sup>, NMY<sup>+14</sup>,

NYH<sup>+</sup>22, Nof03, NKK<sup>+</sup>05, NRA<sup>+</sup>21, NST<sup>+</sup>23, OMK<sup>+</sup>22, OWR<sup>+</sup>07, OPG<sup>+</sup>10, OT19, OKdA<sup>+</sup>19, ORMR<sup>+</sup>19, PMG15, PFHM16, PTP<sup>+</sup>22, PPVG12, PPKR14, PAPL15, PMH17, PLEF<sup>+</sup>23, PS91, PYKF15, PGS<sup>+</sup>22, PP85, PHCA17, PFE10, PAF<sup>+</sup>11, RWD01, RSB<sup>+</sup>01, RJO<sup>+</sup>19, RFFL21, Rei86, Rei89, Rei94, Rei97, Rei03, RCB<sup>+</sup>20, RKFD07, RTN90, RGE22, RM89, RFPG15, Rud15, RKS<sup>+</sup>15, RHM<sup>+</sup>19, SSB19, Sai65, SCLG<sup>+</sup>11, STPHM<sup>+</sup>23, SBC<sup>+</sup>16, SLOP<sup>+</sup>22, SJA<sup>+</sup>23, SBK<sup>+</sup>95, SM01, SDS02, SDS22a, SKWWGV18, SVU02, SAM<sup>+</sup>10, SWT<sup>+</sup>17, SW22, SSN23, SR15, SEW11, SO91, SQJ<sup>+</sup>17, SPB93, SMP07, SW21, SKCP23, TFY02, TKSI08, Thu90, TLM<sup>+</sup>17]. **Ocean** [TWBC<sup>+</sup>13, TAM<sup>+</sup>15, TTF<sup>+</sup>22, TBW00, TSJ<sup>+</sup>12, Tsu86, TRMV15, UB10, VSA<sup>+</sup>21, VDP<sup>+</sup>01, VDDA<sup>+</sup>08, VKGP<sup>+</sup>13, VMA<sup>+</sup>24, WMC<sup>+</sup>89, WHS17, WH20, WWW<sup>+</sup>23, WMWR08, WTT14, WKS<sup>+</sup>15, Was15, WSC<sup>+</sup>21, WLM<sup>+</sup>13, WSG<sup>+</sup>93, Whe93, WCN<sup>+</sup>05, Wil65, WC15, Wis65, WHS<sup>+</sup>23, WG82, XC14, XWW<sup>+</sup>21, YGMR<sup>+</sup>23, ZSI<sup>+</sup>05, ZPY<sup>+</sup>20, ZBY<sup>+</sup>22, ZQWP23, ZJZ<sup>+</sup>21, dZTG05, dPGSHL23, vAB96, vWMH98, PS23]. **ocean-climate** [STGR<sup>+</sup>14]. **ocean-color** [McK15]. **Ocean-facing** [TTF<sup>+</sup>22]. **ocean-shelf** [Hut92]. **Oceanic** [BM86, CR97, HFO<sup>+</sup>22, LM10, PMG15, RG03b, RK03b, RR03, BH07, BCLD<sup>+</sup>17, BT07, CLV<sup>+</sup>19, CTI<sup>+</sup>19, DFC<sup>+</sup>21, Emi65, FELMGM<sup>+</sup>22, FK86, Fra69, Gif93, HTG15, Hol00, HRA00, Jac10, Joh04, Kaz17, Kun03, LDHW20, MSMR93, MM99, MTH<sup>+</sup>10, MCMT<sup>+</sup>17, OCH<sup>+</sup>18, PS23, PELAA18, PTZ<sup>+</sup>23, PK02, PFE10, RMK<sup>+</sup>21, RL85, SMdG02, SJ02a, TBS<sup>+</sup>19, UBB<sup>+</sup>23, XHW<sup>+</sup>20, YT06, dlHRA<sup>+</sup>18, RG03a]. **Oceanogr** [ÁBMÁS15, BJMP20, FDH20, GFB<sup>+</sup>15b, JLP<sup>+</sup>20a, KN11, KMF<sup>+</sup>20a, MHS<sup>+</sup>20a, MFS<sup>+</sup>16a, RBS<sup>+</sup>20, SE09, VH09a, WF07, Yas07b, dMGS<sup>+</sup>11b]. **oceanographer** [CNT03, YRKC08]. **Oceanographic** [BPF06, BECR<sup>+</sup>22, GAM98b, IPD14, MVBC<sup>+</sup>21, Ore69, QCdS<sup>+</sup>07, RAG<sup>+</sup>19, VKDS<sup>+</sup>18, AKAL20, BL02, BASS<sup>+</sup>20, BPSN<sup>+</sup>21, CBB<sup>+</sup>02, CGC<sup>+</sup>20, CdTH<sup>+</sup>16, DMBHG10, DMF<sup>+</sup>09, DCL<sup>+</sup>13a, DB02, EKB06, EBR<sup>+</sup>14, Gar03, HGBG20, ICB<sup>+</sup>19, JST<sup>+</sup>24, KJZ<sup>+</sup>12, Kvi69, LJM<sup>+</sup>16, MNT14, MLL<sup>+</sup>15, MMES16, MIH06, Mit91, MWFH02, MGH<sup>+</sup>07, MBD<sup>+</sup>09, MKSW<sup>+</sup>15, MMN<sup>+</sup>24, NRS<sup>+</sup>19, NM17, NBLI20, PMM<sup>+</sup>23, PGY<sup>+</sup>22, PC87, PRC<sup>+</sup>20, REG<sup>+</sup>15, RNBP<sup>+</sup>19, RBPGJ<sup>+</sup>20, RHB23, SSS<sup>+</sup>11, SF02, SMR<sup>+</sup>20, STC10, SWP<sup>+</sup>13a, TKC<sup>+</sup>22, WC15, XYL<sup>+</sup>22, Yas07a]. **oceanographical** [Coo69, VKGP<sup>+</sup>13]. **oceanographically** [DIQJ21]. **Oceanography** [Ano94c, BDB<sup>+</sup>22, BLAM00, Fei04, HHW22, Kru19, RLSF07, RG03a, SDS22a, SAA<sup>+</sup>15, SHC<sup>+</sup>07, VHK04, BC91, BTK<sup>+</sup>99, BMGN15, BD85, Dav99, FF83, FJhT<sup>+</sup>14, FÁFL06, FL06, Gou85, Jac10, LFA<sup>+</sup>06, OEL<sup>+</sup>14, Pai20, PIS13, PFHM10, RBD<sup>+</sup>07, RSW<sup>+</sup>23, SGPdM18, SFK<sup>+</sup>99, SENS13, SMB88, TDH<sup>+</sup>95, TAO05, Tol85a, Tol85b, WB03, Wüs64, YSD15, Hof81, Ang88, WR03]. **Oceanologica** [Ang86]. **oceanological** [AVG<sup>+</sup>19]. **oceans** [BPGD<sup>+</sup>14, DP18, FC05, KF11, KKNT23, LRAE23, LCR<sup>+</sup>93, McK15, OP18, SvN04, SBM91, VBC<sup>+</sup>20, CRF<sup>+</sup>10, GPA<sup>+</sup>11, HGT16, ICB<sup>+</sup>19, KSV08, KMWF11, MMF<sup>+</sup>07, Ang79a]. **OCLE** [dlHRA<sup>+</sup>18]. **October** [Ano21t, Ano22-34, Ano23t, CBB<sup>+</sup>22b, Ano98e, Ano00c, Ano00h, Ano02c,

Ano03b, Ano04e, Ano05b, Ano06b, Ano07l, Ano08q, Ano11g, Ano11j, Ano12l, Ano18l, Ano20t, CBB<sup>+19</sup>, SLBVRR<sup>+22</sup>]. **octocoral** [SW21]. **octopus** [LAGM<sup>+23</sup>, OÁSG<sup>+16</sup>]. **ODAS** [CPB<sup>+15</sup>]. **Oden** [NBR<sup>+08</sup>]. **Off** [ÁSDB<sup>+01</sup>, ÁSFP<sup>+03</sup>, AMEV07, AAM<sup>+14</sup>, AMG<sup>+16</sup>, Ang79b, AYH<sup>+23</sup>, ACN01, ASB<sup>+08</sup>, ACHSH08, BW08, BBLD<sup>+11</sup>, BSMC15, BGM<sup>+01</sup>, BIST01, BFH01, BGM<sup>+10</sup>, BBSN04, BSC<sup>+07</sup>, BAOC<sup>+09</sup>, BM07, BM86, BASS<sup>+20</sup>, CPG08, CMF<sup>+09</sup>, CCW<sup>+02</sup>, CMS<sup>+13</sup>, CGG08, CCMS08, CPNL07, CFG07, CF12, CW02, Cra09, DM13, DSC<sup>+21</sup>, DB02, Dur09, ES07, EHG<sup>+07</sup>, EM12, EHF012, FZ88, FC07, FP03, FB01, FGL<sup>+23</sup>, GMBU12, GEO09, GGQ07, GMAB07, GDI<sup>+09</sup>, GRB<sup>+08</sup>, HHB<sup>+01</sup>, HPS<sup>+01</sup>, HFW<sup>+98</sup>, HEF<sup>+12</sup>, Hob10, HFO90, aHFS92, HWF<sup>+21</sup>, HSF02, HWS<sup>+07</sup>, IVT<sup>+12</sup>, JE92, JW01a, JIT<sup>+01</sup>, JJS03, JGO<sup>+98</sup>, KKB00, KP03, Ken88, KC15, Kos02, KPSB22, LC12, LOG<sup>+09</sup>, LAA12, LQU07, Lie88, LZG20, LPF<sup>+18</sup>, LS13, LABD<sup>+24</sup>, Man69, MERB12, MLD<sup>+03</sup>, MMMWZ23, MB01, MM80, Mid69, Mit83, MMF<sup>+12</sup>, MDC<sup>+07</sup>, MGH<sup>+07</sup>, MTH<sup>+10</sup>]. **off** [MHCR<sup>+12</sup>, MA12, MSL<sup>+07</sup>, MDL<sup>+12</sup>, MCGS<sup>+16</sup>, NEI<sup>+22</sup>, NIF<sup>+15</sup>, OLH<sup>+18</sup>, ORW<sup>+01</sup>, OÁSG<sup>+16</sup>, PMM<sup>+23</sup>, PCSMC12, PELAA18, Pea02, PAM<sup>+88</sup>, PK02, PKF02, PD15, RBNJ<sup>+12</sup>, RBPGJ<sup>+20</sup>, RWOA01, RB20, RZW<sup>+23</sup>, RASVB<sup>+22</sup>, SLM<sup>+16</sup>, SSQ19, SLG<sup>+12</sup>, SDGVE17, SS69, SYB<sup>+15</sup>, SAY<sup>+16</sup>, SHF01, SBD<sup>+07</sup>, SSL07, SMPC<sup>+12</sup>, Tom81a, VNMS91, VSGD21, Ven12, WOW<sup>+14</sup>, WCC<sup>+20</sup>, WLM07, YPGE<sup>+10</sup>, ZCH<sup>+17</sup>]. **Off-shelf** [ÁSDB<sup>+01</sup>]. **off-shore** [JIT<sup>+01</sup>]. **offs** [KSY<sup>+19</sup>]. **offset** [DWFP<sup>+19</sup>]. **Offshore** [FRK<sup>+09</sup>, SFMA20, BDG<sup>+17</sup>, CTF07, CTA16, CSG<sup>+15</sup>, FvBA<sup>+17</sup>, GDN<sup>+18</sup>, Hau84, HW02, KSD84, KLC<sup>+15</sup>, LYZ16, MKSW<sup>+15</sup>, PMMN<sup>+22</sup>, SOWS17, SDK84, Sim84, SKHD84, WH89]. **offshore-estuarine** [PMMN<sup>+22</sup>]. **offspring** [DWFP<sup>+19</sup>]. **oil** [BCD<sup>+20</sup>]. **Okhotsk** [KKS<sup>+19</sup>, AVG<sup>+19</sup>, FJ19, FMWW14, HKN<sup>+14</sup>, INT14, Iwa23, KTN14, KON14, KCBS20, MMN<sup>+24</sup>, NTU<sup>+14</sup>, NO14, NNM<sup>+21</sup>, NMY<sup>+14</sup>, NNO<sup>+14</sup>, ONR<sup>+14</sup>, Rog00, RCSA01, SM21, SBH<sup>+14</sup>, SMN<sup>+14</sup>, SOO<sup>+14</sup>, SIS<sup>+14</sup>, SPB19, TII<sup>+14</sup>, UNN<sup>+14</sup>, WNNI21, YYT<sup>+14</sup>, YNTS22, YAI<sup>+14</sup>]. **Okinawa** [DYL<sup>+15</sup>, ZLC<sup>+15</sup>]. **old** [CBB<sup>+22c</sup>]. **oligotrophic** [DDP<sup>+00</sup>, DLC<sup>+08</sup>, DTW<sup>+00</sup>, EGPM<sup>+15</sup>, JHM<sup>+22</sup>, KGB<sup>+23</sup>, KAAK<sup>+16</sup>, LRAE23, LL21, LEDR<sup>+22</sup>, PTI00, QPR03, TWAL<sup>+11</sup>, WYT00, WQ08, YFY<sup>+22</sup>, ZLR<sup>+07</sup>]. **oligotrophy** [VDS<sup>+18</sup>]. **olivacea** [CdTH<sup>+16</sup>]. **olive** [CdTH<sup>+16</sup>]. **Oman** [HFW<sup>+98</sup>]. **OMEX** [vWMH98]. **Ommastrephes** [IIS<sup>+17</sup>]. **Ommastrephid** [RASVB<sup>+22</sup>]. **omorii** [SJJ<sup>+03</sup>]. **OMP** [PPVG12]. **OMZs** [PRP09]. **onboard** [CTP<sup>+18</sup>]. **Oncaea** [KSKN21]. **Once** [Mun97]. **Oncorhynchus** [AHC<sup>+13</sup>, KBF<sup>+08</sup>, SKSK06, WBF<sup>+21</sup>, YWUK15]. **One** [MSFZ19, DSAB20, PMG15, RCD<sup>+94</sup>, RZW<sup>+23</sup>, YFY05]. **one-dimensional** [YFY05]. **Oneirophanta** [RMB<sup>+01</sup>, WDK<sup>+01</sup>]. **Ongoing** [CHG<sup>+18</sup>, IG19]. **only** [SHF01]. **onset** [KHBA<sup>+24</sup>, VEM<sup>+21</sup>]. **onshore** [YYC<sup>+18</sup>]. **Ontogenetic** [CSMG19, RK20, SKH<sup>+23</sup>]. **ontogeny** [IS19]. **opal** [RGC<sup>+01</sup>]. **Open** [PBH<sup>+10</sup>, BPGD<sup>+14</sup>, CMPNC<sup>+22</sup>, CSC<sup>+12</sup>, FBR<sup>+13</sup>, FBD18, Fro93, KKS<sup>+18</sup>, KFC<sup>+13</sup>, KRL<sup>+22</sup>, LSM<sup>+22</sup>, LFCSV<sup>+13</sup>,

MPCNC<sup>+19</sup>, MCKS17, PPdM<sup>+12</sup>, PAVB<sup>+21</sup>, RFKC16, SGL<sup>+17</sup>, SK91, SPB93, TCDPP<sup>+22</sup>, Whi94, ZGB<sup>+20</sup>, dIHRA<sup>+18</sup>. **open-ocean** [RFKC16, Whi94]. **open-sea** [PPdM<sup>+12</sup>]. **open-slope** [PPdM<sup>+12</sup>]. **operated** [CAO<sup>+20</sup>]. **Operational** [NHS<sup>+14</sup>, SGLF<sup>+13</sup>]. **opheliid** [VCSG<sup>+01</sup>]. **opilio** [MGKW19]. **opportunities** [FDH20, HSH<sup>+19</sup>, MLHM09]. **opportunity** [SPH<sup>+15b</sup>]. **oppositely** [LBH<sup>+21</sup>]. **Optical** [BGR<sup>+15</sup>, BDB<sup>+04</sup>, BTNK13, BMB<sup>+16</sup>, CDB<sup>+22</sup>, CTMV<sup>+14</sup>, FRV<sup>+19</sup>, GNH19, HHMB<sup>+09</sup>, JZZY24, KTH<sup>+21</sup>, LCB18, LGL<sup>+18</sup>, LC10, MVC<sup>+11</sup>, MCT03, PTP<sup>+22</sup>, SHP<sup>+23</sup>, SRG<sup>+19</sup>, TII<sup>+14</sup>, WMB<sup>+18</sup>, XC14]. **optics** [Jer65]. **optima** [TOKLC08]. **Optimal** [SF15, SCY<sup>+23</sup>, MPSS91]. **optimization** [TIOM16]. **Optimization** [MV10, HLS<sup>+14a</sup>, RG94]. **Optimizing** [SPC<sup>+23</sup>]. **optimum** [ÁBMÁS14, ÁBMÁS15]. **options** [HSC09]. **order** [CES<sup>+19</sup>]. **Oregon** [BASS<sup>+20</sup>, CW02, FP03, HSF02, HWS<sup>+07</sup>, KP03, Kos02, Pea02, PK02, PKF02, PD15, SHF01]. **Organic** [CMPNC<sup>+22</sup>, GBM<sup>+01</sup>, HW02, LB14, RSD<sup>+90</sup>, TPM<sup>+00</sup>, VBA<sup>+18</sup>, AYK<sup>+05</sup>, ASC92, BHHR15, BFJ18, BS02, BMG<sup>+21b</sup>, CDS90, CKP<sup>+20</sup>, CGM<sup>+02</sup>, CGC<sup>+20</sup>, CJ92, DDE<sup>+95</sup>, DDP<sup>+00</sup>, DMD<sup>+00</sup>, DDD<sup>+00</sup>, DBW<sup>+22</sup>, DOS<sup>+18</sup>, DHDM22, DVB<sup>+18</sup>, EvdZSH02, FPD<sup>+01</sup>, FZY<sup>+23</sup>, FUOG<sup>+16</sup>, FK86, GMAMB04, GvOS<sup>+08</sup>, GLAHH<sup>+22</sup>, GF19, HM98, HOY<sup>+21a</sup>, HSLG11, HOY<sup>+21b</sup>, HPZC21, HMKF08, JZZY24, JW01a, JMG<sup>+13</sup>, KNSN<sup>+09</sup>, KSR<sup>+01</sup>, Kit03, KGdS<sup>+08</sup>, LSV14, LSB<sup>+17</sup>, LSD<sup>+18</sup>, LSD<sup>+15</sup>, LHEB98, LvIKB07, LFBP<sup>+13</sup>, MPCNC<sup>+19</sup>, MBCB88, MMKS<sup>+21</sup>, MDC<sup>+07</sup>, NRA<sup>+21</sup>, OB98, Par63, PGT<sup>+13</sup>, PPSVC<sup>+13</sup>, PRL<sup>+18</sup>, RFSCF19, RGE22, SVHM<sup>+13</sup>, SFMA20, SHd13, SRF<sup>+19</sup>, SMN<sup>+14</sup>, SIS<sup>+14</sup>, TPPG10, TZP<sup>+00</sup>, TDK<sup>+16</sup>, VFCC<sup>+22</sup>, VK92, WMC<sup>+89</sup>, WRS<sup>+92</sup>, XYGJ23, YTB<sup>+21</sup>, ZMW<sup>+23</sup>, ZKK<sup>+16</sup>, ZZWL06, ZHBW01]. **organic-walled** [ZHBW01]. **organism** [VFS<sup>+15</sup>]. **organisms** [BCLD<sup>+17</sup>, Bri79, KFC<sup>+13</sup>, PNF<sup>+21</sup>]. **organization** [JFG<sup>+90</sup>]. **organizing** [RRS03]. **organochlorine** [SGL<sup>+13</sup>]. **orientale** [Ber65b, Bou65]. **orientalis** [BMC<sup>+10</sup>, FFT<sup>+18</sup>, KKKY10, KTIT22]. **orientated** [STM10]. **oriented** [ŠPM<sup>+22</sup>, VMN08]. **Origin** [BvdLA<sup>+11</sup>, PRL<sup>+18</sup>, AS96, AGD<sup>+18</sup>, BPNB90, IOGS13, LCJ<sup>+07</sup>, LPBM17, MM01, NBHM01, PL18, SA97, VKT15, Wil87]. **original** [MJD<sup>+21</sup>, SDS22a]. **originating** [NTU<sup>+14</sup>]. **Origination** [BLC23, LGH<sup>+21</sup>]. **Origins** [SG91, BhTW10, NMK<sup>+03</sup>]. **Orkney** [TSFA22]. **orthogonal** [TCL20]. **Oscillation** [BGMP03, FJH10, GPC<sup>+03</sup>, HHSR07, SMG02, Wu13, LYM12]. **oscillations** [BhTW10, CDDF11, CMF<sup>+09</sup>, Hen73, IAN13, KWI20, Lie88, ŠVL<sup>+15</sup>]. **OSCOM** [DDJ<sup>+21</sup>]. **OSMOSE** [MSB<sup>+23</sup>]. **OSSE** [HKL<sup>+15</sup>, KAH<sup>+16</sup>]. **ostracod** [ABSDC07, BHK<sup>+19</sup>]. **Ostracoda** [BHK<sup>+19</sup>]. **ostracods** [Ang79b, Ang84, YTL<sup>+19</sup>]. **Osumi** [Ike88]. **other** [DDE<sup>+95</sup>, EBvdL<sup>+09</sup>, FMC<sup>+15</sup>, HHY03, HM15, HVEF09, RZW<sup>+23</sup>, Sma10a, Sma10b, WXH07]. **otolith** [EiIT<sup>+22</sup>]. **our** [SRM<sup>+10</sup>]. **out-flows** [Mil14]. **outbreak** [BBB<sup>+14</sup>]. **Outer** [FCN<sup>+19</sup>]. **Outflow**

[BF12, APN<sup>+15</sup>, GPE<sup>+17</sup>, JX18, MHH<sup>+15</sup>, Mil09, Sek88, TVD<sup>+99</sup>].  
**Outflows** [PB94]. **outlining** [IGG<sup>+19</sup>]. **output** [RKM<sup>+07</sup>]. **ovata** [RK20].  
**over-generality** [AF10]. **Overarching** [Was15]. **overbanking** [CFM<sup>+18</sup>].  
**overcapacity** [FBM<sup>+08</sup>]. **overfishing** [BWMGCB08, BMB06]. **Overflow**  
 [LBF<sup>+22</sup>, Men21, ZLZ<sup>+17</sup>, HØ07, JJR<sup>+08</sup>]. **Overlap**  
 [LMP22, GRB<sup>+08</sup>, NHE<sup>+13</sup>]. **overlying** [LPA92]. **Overrunning** [KVLA06].  
**Overturning** [MSJ<sup>+15</sup>, APHGC<sup>+22</sup>, GWB14, HGPFN<sup>+14</sup>, HGT16,  
 HGTP<sup>+19</sup>, KJH<sup>+22</sup>, MR06, MFS<sup>+16a</sup>, MFS<sup>+16b</sup>, MLS<sup>+15</sup>, Ric08, SFMT12,  
 SFMT14, SDS02, SDS22a, SSM<sup>+18</sup>, Tal08]. **Overview**  
 [CTL<sup>+04</sup>, ZSW<sup>+22</sup>, ARH<sup>+00</sup>, BIL03, BR01, BRH<sup>+05</sup>, KNS<sup>+03</sup>, KY14,  
 MP13, Mau10, MAB<sup>+11c</sup>, SPF<sup>+23</sup>, WMB<sup>+18</sup>]. **Overwintering**  
 [GHF<sup>+21</sup>, DOS<sup>+18</sup>, DBM17, HPNDC15, SRK15, SK17]. **OVIDE** [MLS<sup>+15</sup>].  
**oxic** [GGQ07]. **oxidation** [EvdZSH02, STW<sup>+15</sup>]. **oxide** [dlPHF<sup>+15</sup>]. **oxides**  
 [FC07]. **oxoacids** [SCCJ<sup>+18</sup>]. **oxycline** [WGG<sup>+08</sup>]. **Oxygen**  
 [Ant09, KSV08, KSPK99, PRP09, RCÁS<sup>+15</sup>, SE16, SGR<sup>+22</sup>, VSGC21,  
 VJJ<sup>+22</sup>, AYH<sup>+23</sup>, BKD<sup>+20</sup>, CLL<sup>+18</sup>, EiT<sup>+22</sup>, GEO09, GLV12, HFW<sup>+98</sup>,  
 LGR<sup>+02</sup>, LQU07, MYH<sup>+22</sup>, McG64, MSB<sup>+23</sup>, NAH<sup>+21</sup>, PAVB<sup>+21</sup>, RS10,  
 SGF<sup>+19</sup>, SM05, SKP99, SK21, WAH<sup>+20</sup>, WFR07, WGG<sup>+08</sup>, XYGJ23].  
**Oxygenation** [GEP<sup>+08</sup>, FC07]. **oxymeter** [Føy65]. **Oyashio**  
 [iYO<sup>+10</sup>, KTW<sup>+22</sup>, NNM<sup>+21</sup>, OTNI20, ST03, TKSIO8].

**P** [Ang80, Hof81, CGB07, CR20, DVB<sup>+18</sup>, Fre07, GGQ07, GLS08, JJA<sup>+08</sup>,  
 MG02, PHK<sup>+17</sup>, PV07]. **P**. [vPRT90]. **P06** [KMWF11]. **Pa** [DTKvH15].  
**Pachygrapsus** [PPPdS20]. **Pacific**  
 [AYK<sup>+05</sup>, AFH<sup>+11</sup>, ARG11, BJMP20, CLSD18, CSR90, CF07, GLV12,  
 Hau18, HHW22, HHP10, IMM<sup>+22</sup>, iIRM<sup>+15</sup>, JS21, Kam19, KSV08,  
 KTW<sup>+22</sup>, KMF<sup>+20a</sup>, KMF<sup>+20b</sup>, LM14, LLX<sup>+21</sup>, MS00, MTK<sup>+22</sup>, MW96,  
 NXT<sup>+17</sup>, OMK<sup>+22</sup>, PYKF15, Rei86, RM89, SJ02c, SJ02b, SKH00, SW21,  
 TWBC<sup>+13</sup>, WF07, WH20, WSC<sup>+21</sup>, WWN<sup>+99</sup>, AS20, AALM06, ALM<sup>+23</sup>,  
 APHGC<sup>+22</sup>, AT07, BPF06, BE99, BLR<sup>+23a</sup>, BP02, BGM<sup>+10</sup>, BLI<sup>+99</sup>,  
 BHB<sup>+19</sup>, BHH<sup>+16</sup>, BJMP19, BLP93, BMC<sup>+10</sup>, BAB<sup>+19</sup>, BBRM20, Bri79,  
 BMN<sup>+99</sup>, BPM<sup>+14</sup>, BH85, BPSN<sup>+21</sup>, CARBML<sup>+22</sup>, CBB<sup>+22a</sup>, CES<sup>+19</sup>,  
 CSLJ03, CBOP15, CAT<sup>+08</sup>, CSK<sup>+12</sup>, CMF15, CRPS<sup>+15</sup>, CR20, Dag93,  
 DY0<sup>+10</sup>, DN07, DWH<sup>+14</sup>, DCKB13, DOS<sup>+18</sup>, DRE<sup>+08</sup>, Don65, Don87,  
 Don94, DLC<sup>+08</sup>, DMBB02, DBRK17, DLM91, ED82, Emi65, FELMG<sup>+22</sup>,  
 FJhT<sup>+14</sup>, FMM<sup>+20</sup>, FÁFL06, FT06, FL06, FGGDF<sup>+04</sup>, FC05, FMCG15].  
**Pacific** [FLUC08, Fro93, FK99, FMT15, FFT<sup>+18</sup>, FB05, GLY23, GR17,  
 GCC<sup>+24</sup>, GKR20, GDM<sup>+20</sup>, Gif93, GBT<sup>+19</sup>, GW91, GdRGL<sup>+01</sup>, GM19,  
 GCFS06, GBC<sup>+15</sup>, GC09, Gri22, GRdSS<sup>+22</sup>, HSS<sup>+12</sup>, HKK12, HPC<sup>+20</sup>,  
 HM00a, HMWM00, HBV<sup>+99</sup>, HSK<sup>+19</sup>, HFNG00, HRSM08, HZCZ16,  
 HGT16, HGBG20, HKY<sup>+11</sup>, His22, HM08, HHW01, HFO90, HLTB<sup>+17</sup>,  
 HBH<sup>+17</sup>, HWS<sup>+07</sup>, IIS<sup>+17</sup>, IHT<sup>+21</sup>, IHY<sup>+01</sup>, IAFD02, iIRM<sup>+15</sup>, IU14,  
 JM19, JLRB20, JSKM02, JSLA<sup>+21</sup>, KST<sup>+10</sup>, Kat18, KYT<sup>+16</sup>, Kes06,  
 KHD22, KKNT23, KiL14, KKKY10, KIS<sup>+05</sup>, KAK<sup>+22a</sup>, KST03, KTIT22,

KKS<sup>+19</sup>, KNI<sup>+05</sup>, KRHS14, KYS<sup>+17</sup>, KRL<sup>+22</sup>, LMPB<sup>+16</sup>, LJ65, LGK<sup>+93</sup>, LMS93, LFA<sup>+06</sup>, LYM12, LMW<sup>+12</sup>, LW85, LBH<sup>+87</sup>, Leh01, LSS<sup>+10</sup>, LBSP01, LMH<sup>+13</sup>, lLdZQ<sup>+22</sup>, LG23, LSMG01, LB20, LCGH07, LLS01, LGZL22, Luk86, MMR<sup>+09</sup>, MSMR93, MT99, MBT07, MRRC73, MCD<sup>+14</sup>, Man04, MTC12, Mar20]. **Pacific** [MRAP22, MMF<sup>+07</sup>, McI10, MS17, MSI17, MNM06, MPSS91, MZZ<sup>+23</sup>, MFB<sup>+84</sup>, MN88, Mil88, MC88, Mil93b, MSA<sup>+22</sup>, MM99, Min00, Min02, MS15, MNFY21, MCGS<sup>+16</sup>, NEI<sup>+22</sup>, Nag01, NHH<sup>+23</sup>, NMLBCM<sup>+01</sup>, NMO<sup>+21</sup>, NMY<sup>+14</sup>, NYH<sup>+22</sup>, Nof96, Nof00, NKK<sup>+05</sup>, NRA<sup>+21</sup>, ORPRGIS22, OTNI20, OPG<sup>+10</sup>, OOTA15, OT19, OAM00, ORMB08, PGY<sup>+22</sup>, Peñ03a, PV07, PB07, PMK<sup>+06</sup>, PLEF<sup>+23</sup>, PS08, PGS<sup>+22</sup>, Phl65, PLB<sup>+23</sup>, Pie01, PVA24, PLK14, Qiu15, RTF<sup>+05</sup>, Rei97, RMG90, RvBD<sup>+22</sup>, RDC<sup>+21</sup>, RHBS13, Rog00, RGM01, RPSC22, SSB19, SSB20a, Sai65, SSH<sup>+05</sup>, SCLG<sup>+11</sup>, SF02, SDGVE17, STF<sup>+13</sup>, SMdG02, SMG02, SBH<sup>+14</sup>, Sek99, SCC14, SBFP21, STS<sup>+12</sup>, SO91, SIS<sup>+14</sup>, SPS<sup>+99</sup>, SPB93, SJ02a, SASH08, SKT01, SHS<sup>+05</sup>, TJ73, TFY02, TKSIO8, TOKLC08, TT05, Tan99, TMÁGC<sup>+21</sup>, TSJ<sup>+12</sup>, TLF<sup>+89</sup>, TSNO05, TKK<sup>+05</sup>, Tur65]. **Pacific** [UKM<sup>+14</sup>, UBB<sup>+23</sup>, VCM04, VMH<sup>+21</sup>, VMN08, WFH<sup>+22</sup>, WF06, WO85, WNNI21, WCS<sup>+23</sup>, WLM<sup>+13</sup>, WSG<sup>+93</sup>, Whe93, Whi94, WCN<sup>+05</sup>, WFBN<sup>+13</sup>, WFR07, Wil65, WLL06, WHK23, WXH07, WBD<sup>+15</sup>, Woo18, WJPHB15, WZ04, Wu13, XYL<sup>+22</sup>, XC14, XNT<sup>+17</sup>, YYT<sup>+14</sup>, YMA<sup>+17</sup>, YTB<sup>+21</sup>, YAK<sup>+08</sup>, YBPS08, YYK<sup>+12</sup>, YFY05, ZSI<sup>+05</sup>, vHVAT22, HHW22, Wu13]. **Pacific-Asian** [FJhT<sup>+14</sup>]. **Pacific-influenced** [GCFS06]. **pacifica** [DSBP15, FMC<sup>+20</sup>, HL05, OTNI20, RB20, SBFP21]. **pacificus** [JC04, KSK<sup>+15</sup>, LPHL<sup>+05b</sup>, PHL05, PLHLF05]. **pack** [SLGI<sup>+21</sup>]. **paedomorphosis** [GM19]. **PAEs** [PAG<sup>+18</sup>]. **Page** [Ano17i, Ano17j, Ano17k, Ano17e, Ano17f, Ano17g, Ano17h]. **Page/Cover** [Ano17i, Ano17j, Ano17k]. **Pages** [Ano63c, Ano64d, Ano65h, Ano65i, Ano69c, Ano73d, Ano76b, Ano76c, Ano77b, Ano77a, Ano78, Ano79b, Ano79c, Ano79d, Ano80c, Ano80f, Ano80d, Ano80e, Ano81b, Ano81e, Ano81c, Ano81d, Ano82c, Ano82f, Ano82d, Ano82e, Ano83b, Ano83c, Ano83d, Ano83e, Ano84b, Ano84c, Ano84d, Ano85f, Ano85g, Ano85j, Ano85h, Ano85i, Ano86j, Ano86e, Ano86i, Ano86f, Ano86h, Ano86d, Ano86g, Ano87e, Ano87f, Ano87h, Ano87g, Ano88d, Ano88i, Ano88f, Ano88g, Ano88c, Ano88e, Ano88h, Ano89d, Ano89f, Ano89h, Ano89j, Ano89e, Ano89k, Ano89g, Ano89i, Ano90c, Ano91d, Ano91g, Ano91j, Ano91l, Ano91f, Ano91i, Ano91e, Ano91h, Ano91k, Ano92i, Ano92d, Ano92f, Ano92g, Ano92h, Ano92e, Ano93c, Ano93d, Ano93e, Ano93f, Ano94j, Ano94e, Ano94i, Ano94f, Ano94d, Ano94h, Ano94g, Ano95d]. **Pages** [Ano95j, Ano95f, Ano95h, Ano95c, Ano95i, Ano95e, Ano95g, Ano96c, Ano96e, Ano96f, Ano96d, Ano96i, Ano96g, Ano96h, Ano97c, Ano97f, Ano97d, Ano97e, Ano98c, Ano98b, Ano98a, Ano98d, Ano98e, Ano99c, Ano99e, Ano99b, Ano99d, Ano00f, Ano00e, Ano00g, Ano00d, Ano00a, Ano00b, Ano00c, Ano00h, Ano01b, Ano01c, Ano02a, Ano02b, Ano02c, Ano03f, Ano03e, Ano03c, Ano03a, Ano03d, Ano03b, Ano04b, Ano04f, Ano04c, Ano04d, Ano04g, Ano04e, Ano05a, Ano05d,



Ano05c, Ano05b, Ano06c, Ano06a, Ano06d, Ano06b, Ano07n, Ano07q, Ano07k, Ano07m, Ano07o, Ano07r, Ano07l, Ano07p, Ano08p, Ano08r, Ano08s, Ano08o, Ano08n, Ano08u, Ano08w, Ano08q, Ano08t, Ano08v, Ano09m, Ano09i, Ano09j, Ano09k, Ano09l, Ano10j, Ano10k, Ano10l, Ano10m, Ano11i, Ano11h, Ano11g]. **Pages** [Ano11j, Ano12m, Ano12n, Ano12p, Ano12o, Ano12l, Ano12k, Ano13n, Ano13l, Ano13p, Ano13m, Ano13o, Ano14m, Ano14p, Ano14q, Ano14n, Ano14r, Ano14o, Ano14l, Ano15n, Ano15o, Ano15m, Ano15r, Ano15p, Ano15q, Ano16t, Ano16o, Ano16n, Ano16p, Ano16m, Ano16q, Ano16k, Ano16l, Ano16s, Ano16r, Ano17r, Ano17n, Ano17o, Ano17m, Ano17q, Ano17s, Ano17l, Ano17p, Ano18j, Ano18k, Ano18m, Ano18n, Ano18l, Ano19n, Ano19m, Ano19k, Ano19l, Ano22-29, Ano22-30, Ano22-27, Ano22-28, Ano22-31, Ano22-32, Ano22-33, SW81]. **Pagophilus** [FJH10]. **Palaeo** [DVL+99]. **Palaeo-environmental** [DVL+99]. **palaeoceanography** [Gal17]. **palaeoclimate** [Gal17]. **Palamós** [CHSB+21, PGLG+05]. **palatability** [PMS+15]. **Paleoceanographic** [LXC+22]. **paleoceanography** [SBH+14]. **paleoclimate** [SOH21]. **paleoenvironment** [YSY+19]. **paleogeography** [Sai65]. **paleoceanographical** [Ola65a]. **paleoproductivity** [MDL+12]. **paleotemperature** [Ola65b]. **paleothermometry** [SBH+14]. **paleoxygenation** [MDL+12]. **Palk** [JJA+13]. **pallasi** [GBT+19, Nag01, STF+13]. **Palmas** [Ano09h]. **PAMS** [FJhT+14, LMW+12]. **pan** [CW06, PFW15, WCB+20b, CSK+12, HRSM08, MVN+15, VMB+22b]. **pan-Arctic** [CW06, PFW15, WCB+20b, MVN+15, VMB+22b]. **Pan-North** [CSK+12]. **Pan-Pacific** [HRSM08]. **Panama** [BSW86]. **panarctic** [CBC+06, CWW15, HKGH+06]. **Panulirus** [SS69, WOW+14]. **PAP** [HBD+21, BEI+20, BKD+20, KVNT20]. **PAP-SO** [HBD+21, BEI+20]. **Papa** [AEPW93, Fre07]. **papers** [BPW10]. **PAR-light** [JTD+14]. **Paradigm** [Fro05]. **paradox** [Fro05, LIH+12]. **paralarvae** [OÁSG+16, RAG+19, RASVB+22]. **Parallel** [SPMVP05]. **parallels** [GA01]. **paralytic** [CAH+22]. **Paramesochridae** [PMG15]. **Parameter** [HLS+14a, SSL08, SO91, Tom81b]. **parameterisation** [BMM97, SRM+10]. **parameterisations** [GLS08]. **parameterization** [BBS21, BBS23, HLFL23, SCLS10]. **parameterizations** [ZCD08]. **parameterizing** [Den03]. **Parameters** [Bri79, CÁM06, KPSA17, SSVPO0, SW22, SCHD23, SMPC+12, WXH07, XDG+23]. **Paramunnidae** [GM19]. **Parapenaeus** [PPdS21]. **parasitism** [LZF+24]. **Paratethyan** [Gal17]. **parcels** [RLC85]. **Park** [VDGGD+22]. **part** [AVG+19, Igu04, IMW+14, INT14, KFKO03, KNS+03, KSD84, Sim84, BBS21, BBS23, GAM98a, GAM98b, Hau84, MFS+07, MSF+07, McD81a, McD81b, MR03, MAB+11c, MAB+11a, MAB+11b, RANS65, SFMT12, SFMT14, SDK84, SJ02c, SJ02b, TTB+08a, TTB+08b, VOJD02a, VOJD02b]. **Partial** [LGZ+20, BF01, LM00, YCP+12]. **Particle** [DL17, KKS+18, NMK+03, NKK03, RCSVGP+16, TCDPP+22, ZFSV+09, BS02, DTKvH15, FLdST98, GIPG17, HPC+20, JvdLL+15, KNSN+09, KHC+99, LFCSV+13, MBdM+18, MMG+11, NFMCS+22, NIF+15,

ORMR<sup>+</sup>19, SG91, SMM<sup>+</sup>90, SRG<sup>+</sup>19, TFY02, VK90, VSC01, ZDM<sup>+</sup>20].

**particles**

[AH15, BPNB90, Bla63, BGR<sup>+</sup>15, BT07, FRK<sup>+</sup>09, FAAV<sup>+</sup>15, FK86, FDE<sup>+</sup>22, HM15, KSR<sup>+</sup>01, LTJ<sup>+</sup>15, MPM<sup>+</sup>17, MLD<sup>+</sup>03, MLL<sup>+</sup>15, NMK<sup>+</sup>03, Pas22, PPCWJ18, RTF<sup>+</sup>05, SPB<sup>+</sup>02, SCT<sup>+</sup>00, TSBS18, VDP<sup>+</sup>01, WGZZ19].

**particular** [KDB95, TR99]. **Particulate**

[BSW86, HMKF08, LPA92, AYK<sup>+</sup>05, CGM<sup>+</sup>02, CGC<sup>+</sup>20, CLG<sup>+</sup>00, CS89, CE84, DDDT99, DDP<sup>+</sup>00, DOS<sup>+</sup>18, DCS<sup>+</sup>22, FUOG<sup>+</sup>16, FRV<sup>+</sup>19, HSLG11, HOY<sup>+</sup>21b, HPZC21, IU14, KLB<sup>+</sup>21, KBC<sup>+</sup>22, KSP<sup>+</sup>23, LSB<sup>+</sup>17, LSD<sup>+</sup>18, LSD<sup>+</sup>15, LFBP<sup>+</sup>13, MFDH22, PL87, PLP99, PBP<sup>+</sup>99, SMN<sup>+</sup>14, SK18, TvW98, TZP<sup>+</sup>00, TDK<sup>+</sup>16, TRMV15, USH15a, Whe93, WRS<sup>+</sup>92, ZZWL06].

**particulates** [VKJ<sup>+</sup>23]. **partition** [BEH19, FP15]. **Partitioning**

[FDM<sup>+</sup>13, BGA<sup>+</sup>21, EBM<sup>+</sup>20, ERBV21, GVBV<sup>+</sup>21, IS19, KPSB17, MSMR93, NHE<sup>+</sup>13, PPKR14, SPB<sup>+</sup>12, SM16]. **partnership** [KY15]. **Pass**

[STGR<sup>+</sup>23]. **Passage** [CLV<sup>+</sup>19, CP07, GWGR<sup>+</sup>19, Spr08, VKDS<sup>+</sup>18]. **Past**

[BCD<sup>+</sup>20, DPB06, WH89, BDLW14, Den87, HDZY15, HPHW21, KKK04a, LWY07, LDMH09, NW87, PM13, SLG<sup>+</sup>12, SBB<sup>+</sup>14, SKRM<sup>+</sup>95, XNT<sup>+</sup>17].

**Patagonia** [SPF<sup>+</sup>23, BPSN<sup>+</sup>21, CSMGS19, CCM<sup>+</sup>14, CTI<sup>+</sup>19, FCN<sup>+</sup>19, IPD14, JTD<sup>+</sup>14, LSV14, MVBC<sup>+</sup>21, MSV<sup>+</sup>14, SSQ19, SPSR<sup>+</sup>14, TRP<sup>+</sup>23].

**Patagonian** [CMC<sup>+</sup>16, CM18a, CCM<sup>+</sup>14, CBPS<sup>+</sup>22, GHVG19, GF97, GCD<sup>+</sup>13, IPF23, MPMFL<sup>+</sup>23, MTC14, PMA<sup>+</sup>14, PSGVS<sup>+</sup>14, PWZ<sup>+</sup>16, QOS<sup>+</sup>22, RPSVLS14, SV14, TSRF14, VMV<sup>+</sup>23]. **patagonicus**

[STC10, STEB16]. **patch** [PSL87, TNS<sup>+</sup>05]. **patchiness** [Mar03]. **path**

[Cia14, ORCH<sup>+</sup>19, TMN<sup>+</sup>12, TSS<sup>+</sup>12]. **paths** [IMW<sup>+</sup>14]. **pathway**

[BLC23, NBHM01, QLY<sup>+</sup>22]. **Pathways**

[YKWF21, ZSI<sup>+</sup>05, BNCC15, BGV<sup>+</sup>23, CRT<sup>+</sup>22, KSS<sup>+</sup>23, LGH<sup>+</sup>21, LBF<sup>+</sup>22, MRMD<sup>+</sup>97, Men21, MJD<sup>+</sup>21, NMO<sup>+</sup>21, PGG<sup>+</sup>22, RBL90, RBE<sup>+</sup>12, SPG<sup>+</sup>06, STM10, THM<sup>+</sup>06, WHS17, ZLZ<sup>+</sup>17].

**pathways-orientated** [STM10]. **pattern** [FPIJ85, GKS<sup>+</sup>13, HMRB<sup>+</sup>03, SMFM<sup>+</sup>21, SIR<sup>+</sup>07, UAM05, XLX<sup>+</sup>20, XLL<sup>+</sup>20, ZGB<sup>+</sup>20]. **Patterns**

[BDL08, BL02, CMM<sup>+</sup>04, CLD22, CB09, CRF<sup>+</sup>10, KPSB22, QPR03, RKCH15, SM05, SBB<sup>+</sup>22, Ant09, ABP<sup>+</sup>23, BGMP03, BMO12, BWB<sup>+</sup>09, BHC<sup>+</sup>18, BRG<sup>+</sup>23, BD18, BAP<sup>+</sup>22, BFV<sup>+</sup>17, CGG08, CRHM12, CCW<sup>+</sup>18, DGGdR02, FWO15, FWH<sup>+</sup>17, FPY<sup>+</sup>16, FMCG15, GSV<sup>+</sup>01, GHF<sup>+</sup>21, GL06, GCC<sup>+</sup>24, GNH19, GBC<sup>+</sup>16, HLR17, HDZY15, HEF<sup>+</sup>12, HLP<sup>+</sup>16, HHW01, HHW22, HVEF09, IGG<sup>+</sup>19, JYK<sup>+</sup>14, KKKS14, KFH<sup>+</sup>15, LJM<sup>+</sup>16, LDAM<sup>+</sup>07, LRAE23, LW85, LFC<sup>+</sup>15, LC16, LW13, MHGGS19, MB20, MDB<sup>+</sup>20, MVN<sup>+</sup>15, MEMP15, MMF<sup>+</sup>17, MHS<sup>+</sup>09, MCMT<sup>+</sup>17, NDEG22, OMK<sup>+</sup>22, OHC<sup>+</sup>17, OPG<sup>+</sup>10, OACB<sup>+</sup>15, PGLG<sup>+</sup>05, PCM11, PK02, PSA<sup>+</sup>19, Phl65, PG10, QOS<sup>+</sup>22, Rei86, Rei89, Rei94, Rei97, Rei03, RRS03, SSB20a, SLM<sup>+</sup>16, SGA<sup>+</sup>19, SPG<sup>+</sup>06, ŠVL<sup>+</sup>15, SEG22a, SK17, SPH<sup>+</sup>15b, SI97, SBS90, TSC03, WTT14, WPH<sup>+</sup>10, YHRT22, YKNO23, ZLX<sup>+</sup>20]. **Paul**

[Bak83]. **Paz** [LM10]. **Pb** [KKS<sup>+</sup>03, MSL<sup>+</sup>07, SCMAR<sup>+</sup>99, ZNR<sup>+</sup>24].

**PBDEs** [FDM<sup>+</sup>13, RNL<sup>+</sup>13]. **PCBs** [FDM<sup>+</sup>13, RNL<sup>+</sup>13]. **PCDEs**

[RNL<sup>+</sup>13]. **PCNs** [RNL<sup>+</sup>13]. **pCO**  
 [AEPW93, CVBG21, GCB<sup>+</sup>22, HSS<sup>+</sup>12, VSA<sup>+</sup>21, ZKK<sup>+</sup>16]. **PCR** [AIA<sup>+</sup>15].  
**PDO** [Wu13]. **peaks** [CC23]. **Pearl** [LYZ16, LZG20, WL16]. **Pedro**  
 [Gor92, Hic92, WJE<sup>+</sup>92]. **Pelagic**  
 [BPNB90, FvBA<sup>+</sup>17, Mil93b, Sou94a, WWW<sup>+</sup>23, ARD<sup>+</sup>03, AAMB<sup>+</sup>24,  
 Ang89, AE09, BDP<sup>+</sup>06, BN03, BAOC<sup>+</sup>07, Bol94, BCL<sup>+</sup>09, BAP<sup>+</sup>22,  
 BFV<sup>+</sup>17, CKB<sup>+</sup>17, CSMGS19, CBOP15, CRF<sup>+</sup>10, CAB<sup>+</sup>99, DYO<sup>+</sup>10,  
 DPH<sup>+</sup>18, DPR<sup>+</sup>18, DHHP18, DTW<sup>+</sup>00, EKB06, ESGP17, FFS<sup>+</sup>20,  
 GRD<sup>+</sup>23, HKGH<sup>+</sup>06, Hob10, HFPS<sup>+</sup>06, IMM<sup>+</sup>22, JYK<sup>+</sup>14, JLP<sup>+</sup>20a,  
 JLP<sup>+</sup>20b, KHS<sup>+</sup>14, KLC<sup>+</sup>15, KFH<sup>+</sup>15, KAAK<sup>+</sup>16, LR07, LSY<sup>+</sup>14, Law04,  
 Leh01, LLAPG<sup>+</sup>22, Lon95, LSIB23, LSH<sup>+</sup>22, MRA<sup>+</sup>19, MHR<sup>+</sup>10, MMN12,  
 OMR<sup>+</sup>22, OMK<sup>+</sup>22, OH94, OPG<sup>+</sup>10, OvdSN94, POS<sup>+</sup>07, PRTC13, PAB<sup>+</sup>21,  
 PLEF<sup>+</sup>23, PSA<sup>+</sup>19, PBBH<sup>+</sup>22, PNF<sup>+</sup>21, PGG<sup>+</sup>22, RSW<sup>+</sup>23, RLGC10,  
 RFC<sup>+</sup>15, RG94, SGF<sup>+</sup>19, SCD<sup>+</sup>07, SSL08, SHC<sup>+</sup>06, SHC<sup>+</sup>07, SPK<sup>+</sup>22,  
 Tan99, TCF<sup>+</sup>18, THM<sup>+</sup>14, VFS<sup>+</sup>15, WPH<sup>+</sup>10, YBS<sup>+</sup>01, vdS94a, vdS94b].  
**pelagics** [RFS10]. **pelagicus** [SWP<sup>+</sup>13a]. **PELAGOS** [BC99]. **pelamis**  
 [KAK<sup>+</sup>22a, PGS<sup>+</sup>22]. **PELGAS** [DPR<sup>+</sup>18]. **pellets**  
 [RWOA01, Tur15, WYT00]. **pen** [PRA<sup>+</sup>18]. **penguin** [STEB16]. **Penguins**  
 [STC10]. **Peninsula**  
 [FDH20, SVL<sup>+</sup>23, Peñ24, RK03a, BHA<sup>+</sup>14, BAOC<sup>+</sup>07, DCD<sup>+</sup>23, DSR21,  
 DHDM22, HWPLvW20, HSH<sup>+</sup>19, HGH<sup>+</sup>19, IIM<sup>+</sup>23, KKB00, LS12, LS13,  
 LWT<sup>+</sup>20, MWS<sup>+</sup>10, RZW<sup>+</sup>23, TNGP22, WCC<sup>+</sup>20, YN20, ZHD<sup>+</sup>20].  
**peninsular** [MK12]. **pentadal** [Lev88]. **pentadecadal** [Min00]. **perception**  
 [JSdSS<sup>+</sup>21]. **Perciformes** [SM21]. **Performance**  
 [BTNK13, MAB<sup>+</sup>11a, HCGK11, RSG06, SHT<sup>+</sup>01]. **Pergamon**  
 [Ang79a, Ang80, Ang88, Bak83, Hof81, SW81]. **period** [BM01, FGGDF<sup>+</sup>04,  
 GFGGD<sup>+</sup>23, GIHJ23, GCD97, Hen73, HGBG20, KGB<sup>+</sup>23, LAA12, NF06,  
 OEL<sup>+</sup>14, PPdM<sup>+</sup>12, Rud15, TFM03, WHIH97, YYhT<sup>+</sup>17]. **periods**  
 [CQC15, EMU<sup>+</sup>23, FMM<sup>+</sup>20]. **periphyton** [VPM<sup>+</sup>19]. **permanent**  
 [MTL05]. **permitting** [KDL<sup>+</sup>01, WBB<sup>+</sup>01]. **Persian** [BD85]. **Persistent**  
 [LNB13, PGY<sup>+</sup>22, FELJ16, GBC<sup>+</sup>15, RNL<sup>+</sup>13]. **Persistently** [WFR07].  
**perspective** [BCB<sup>+</sup>05, BKC15, BBFS19, CEF<sup>+</sup>13, DLC<sup>+</sup>08, KPSB22, PL18,  
 PL01, Pow06, WCB<sup>+</sup>20b, WPW<sup>+</sup>14, Zav99]. **Perspectives**  
 [SM16, CW06, JVJ<sup>+</sup>17, MHH<sup>+</sup>15, PHCA17, Was15]. **Perth** [EVM<sup>+</sup>15].  
**pertinent** [BGR<sup>+</sup>15]. **perturbations** [WWZ19]. **Peru** [TWMY08, ASB<sup>+</sup>08,  
 ACHSH08, BW08, BBLD<sup>+</sup>11, BDT<sup>+</sup>08, CGG08, CCMS08, CRHM12,  
 FBM<sup>+</sup>08, GGPG<sup>+</sup>19, GRB<sup>+</sup>08, GEP<sup>+</sup>08, LGR<sup>+</sup>02, LPF<sup>+</sup>18, MS02].  
**peruanus** [BWMGCB08]. **Peruvian** [ATT<sup>+</sup>08, BWMGCB08, BDL08,  
 BHHS83, EALF08, EB08, FFA09, FVLC<sup>+</sup>23, GHG<sup>+</sup>24, GCP08, HLS<sup>+</sup>14a,  
 JBB<sup>+</sup>14, SGO<sup>+</sup>08, SBG<sup>+</sup>08, TMÁGC<sup>+</sup>21, XRC<sup>+</sup>15]. **Peterson**  
 [BDB<sup>+</sup>22, SSB<sup>+</sup>20b]. **Petrace** [GCLD19]. **petrel** [FDB<sup>+</sup>21, SWP<sup>+</sup>13a].  
**Petrology** [Nay65]. **Pettersson** [Ano65e, Ano65f]. **PFT** [TSL10]. **pH**  
 [CVBG21, Rot65, SSTL16]. **Phaeocystis** [SDL<sup>+</sup>19]. **phase**  
 [GRS08, HHSR07, IIS<sup>+</sup>17, MP04, WP91, MRMD<sup>+</sup>97, NF87]. **phaseoliformis**

[AB90]. **phases** [Kil76]. **phasic** [RNBP<sup>+</sup>19]. **Phelliactis** [vPRT90]. **Phenological** [WBF<sup>+</sup>21]. **Phenology** [MI21, MCKS17, AHW<sup>+</sup>15, CAT<sup>+</sup>08, DAIS10, KPSB22, LBC<sup>+</sup>23, LMA<sup>+</sup>15, MGE<sup>+</sup>12, NSE<sup>+</sup>24, OIC<sup>+</sup>23, THP21]. **phenols** [SMN<sup>+</sup>14]. **phenomena** [ANMP15, Mit83]. **phenomenon** [DFD23, RV17]. **phenomics** [HHAR23]. **phenoregion** [KPSB22]. **phenotypic** [ACK<sup>+</sup>13]. **Pheronema** [RTN90, VBJ<sup>+</sup>20]. **Philinidae** [CES<sup>+</sup>19]. **Philippine** [ILdZQ<sup>+</sup>22]. **Philippines** [ZSH<sup>+</sup>24]. **Phoca** [LAP10, RNL<sup>+</sup>13]. **Phocoena** [RPRCAG<sup>+</sup>21]. **Phosichthyidae** [CSM<sup>+</sup>15]. **phosphatase** [IPG<sup>+</sup>16, SAM<sup>+</sup>04]. **phosphate** [CKT<sup>+</sup>13, LCR<sup>+</sup>93, MHGGS19, NNM<sup>+</sup>21]. **Phosphorus** [DBRK17, PKV18, HSK<sup>+</sup>19, IPG<sup>+</sup>16, KEV10, McG64, PDD<sup>+</sup>22, RDD<sup>+</sup>18, SAM<sup>+</sup>04, VBA<sup>+</sup>18]. **photic** [TR99]. **Photoadaptation** [SPH83]. **photographically** [BBMR19]. **photographs** [DHB<sup>+</sup>21]. **Photoheterotrophy** [EGPM<sup>+</sup>15]. **photophysiology** [FDE<sup>+</sup>22]. **Photoreactivity** [BFJ18]. **photosynthesis** [BK19, Epp92, KPSA17, Mor91, SPH83, TŠT<sup>+</sup>17, TLM<sup>+</sup>17]. **Photosynthetic** [NHG19, HHMB<sup>+</sup>09, LCB18]. **phthalate** [PAG<sup>+</sup>18]. **phycotoxins** [MPTMK22]. **phyllosoma** [WOW<sup>+</sup>14]. **phylogenetic** [GMBU12]. **phylogenetics** [HCV<sup>+</sup>20]. **phylogeny** [MSFZ19]. **phylogeography** [MMN12, YTL<sup>+</sup>19]. **Physical** [ACE<sup>+</sup>07, BP02, CMF15, FDE<sup>+</sup>22, Gou85, HVRR15, HFPS<sup>+</sup>06, KAK<sup>+</sup>22b, RBD<sup>+</sup>07, SOS<sup>+</sup>07, SCD<sup>+</sup>07, TNS<sup>+</sup>05, UBB<sup>+</sup>23, USH15b, WC15, BBE<sup>+</sup>15, BC91, BHM<sup>+</sup>15, BKC15, BL02, BHHS83, CBC<sup>+</sup>06, CW06, CM11, CFM<sup>+</sup>18, CAB<sup>+</sup>99, DBC<sup>+</sup>23, DRVMC<sup>+</sup>22, DPM<sup>+</sup>09, DMBHG10, DMF<sup>+</sup>09, EBW<sup>+</sup>23, FF83, GL23, HKPV12, Hut95, ILA21, JHM<sup>+</sup>22, LBSP01, LHC<sup>+</sup>19, MMGL<sup>+</sup>07, MHS<sup>+</sup>20a, MHS<sup>+</sup>20b, MJA<sup>+</sup>07, MST<sup>+</sup>23b, NM17, NMY<sup>+</sup>14, NYH<sup>+</sup>22, O'B83, OEL<sup>+</sup>14, PIS13, PMA<sup>+</sup>14, PKP14, PMC16, PFHM10, REG<sup>+</sup>15, RBHLA04, RA15, RCSHW22, SWP<sup>+</sup>13a, SFK<sup>+</sup>99, SRAV19, SW22, SNMW10, SDJ14, TAO05, TCF<sup>+</sup>18, VOJD02a, XC14, ZHD<sup>+</sup>20, ZDM<sup>+</sup>20]. **physical-biological** [DRVMC<sup>+</sup>22]. **physically** [BCB<sup>+</sup>05]. **physicochemical** [CEF<sup>+</sup>13]. **Physics** [HAA<sup>+</sup>14, BDT<sup>+</sup>08, OELP04, PCK<sup>+</sup>06, SSI13, SBM<sup>+</sup>23]. **physiognomies** [HFO90]. **physiological** [GNH19, MSB<sup>+</sup>23]. **physiologically** [BEP02, Mau10]. **physiology** [BLP<sup>+</sup>20, LBP<sup>+</sup>21, MLB<sup>+</sup>20, RS10, ST03]. **phyto** [GRLS14]. **phyto-** [GRLS14]. **phytodetritus** [BMNW01, NKK03, TAW<sup>+</sup>15, Tur15, ZCLS20, dWDB<sup>+</sup>98]. **phytopigments** [FPD<sup>+</sup>01, WDK<sup>+</sup>01]. **Phytoplankton** [ÁLC22, CRGA17, CKM<sup>+</sup>21, DGP<sup>+</sup>13, HBL<sup>+</sup>13, JHM<sup>+</sup>22, LBH<sup>+</sup>21, Mar03, MIW91, MA12, PWMIM91, RHM<sup>+</sup>19, VHV<sup>+</sup>12, Ven12, ZLG17a, ZLG17b, ZLX<sup>+</sup>20, AJA<sup>+</sup>22, AW13, AMG<sup>+</sup>16, AJHC19, BSC<sup>+</sup>19, BDP<sup>+</sup>06, BFPS06, BE99, BTS<sup>+</sup>15b, BGMP03, BPGD<sup>+</sup>14, BLMR<sup>+</sup>20, CKB<sup>+</sup>17, CMC<sup>+</sup>16, CSS<sup>+</sup>21, CBM<sup>+</sup>21, CRPS<sup>+</sup>15, CBT07, CTI<sup>+</sup>19, Dag93, DA<sup>v</sup>D<sup>+</sup>20, DN07, DLM<sup>+</sup>12, DNNNN16, DLC<sup>+</sup>08, ERBV21, FHP83, FE<sup>G</sup>A<sup>+</sup>14, Fly03, FPY<sup>+</sup>16, FDE<sup>+</sup>22, GBC<sup>+</sup>00, GdRGC<sup>+</sup>14, GHL15, GGAA<sup>+</sup>23, GSPMAI99, GF19, GBB<sup>+</sup>19, HBV<sup>+</sup>99, HMX<sup>+</sup>23, HCAFD<sup>+</sup>20, HWL<sup>+</sup>20, HPHL<sup>+</sup>05,

HBH<sup>+17</sup>, iIYO<sup>+10</sup>, JX18, KTH<sup>+21</sup>, KMMC09, KMS<sup>+24</sup>, KPSB22, LMS93, LOG<sup>+09</sup>, LSM<sup>+22</sup>, LRAE23, LHP<sup>+05</sup>, LMT<sup>+19</sup>, LLX<sup>+21</sup>, MY23, MHGGS19, MCKS17, MHCRC<sup>+12</sup>, NEI<sup>+22</sup>, NHSP23, NSE<sup>+24</sup>, NGNV12, NKK<sup>+05</sup>, OBD<sup>+20</sup>, PFHM16, PVM<sup>+20</sup>, PV07, PPY87, PPD<sup>+12</sup>, RM93, RSMIS03, RBPGJ<sup>+20</sup>, RGMPR23, RSM<sup>+23</sup>, RPSC22, iSIS02]. **phytoplankton** [SVL<sup>+23</sup>, SISI<sup>+02</sup>, SSN23, STW<sup>+15</sup>, SPWH21, SHS<sup>+05</sup>, TST<sup>+17</sup>, TLM<sup>+17</sup>, TSFA22, TRMV15, VGM<sup>+23</sup>, VMN08, VBM21, VMC<sup>+19</sup>, WFH<sup>+22</sup>, Wal83, WCC<sup>+20</sup>, WLL<sup>+23</sup>, WCS<sup>+23</sup>, WLM<sup>+13</sup>, WSH<sup>+22</sup>, XWL<sup>+18</sup>, ZWM<sup>+15</sup>, ZHD<sup>+20</sup>, ZJZ<sup>+21</sup>]. **phytoplanktonic** [BFJ18]. **PIC** [LCGH07]. **PICES** [BK08, HMWM00]. **PICES/GLOBEC** [BK08]. **pico** [DDP<sup>+00</sup>]. **picoeukaryotic** [CGS23]. **picophytoplankton** [CLX<sup>+20</sup>, PBD<sup>+88</sup>]. **Picoplankton** [ZSBL00, BAM<sup>+09</sup>, TB15, WSC<sup>+21</sup>]. **picture** [MVV<sup>+19</sup>]. **pie** [RSB<sup>+13</sup>]. **piece** [KVNT20, VBA<sup>+18</sup>]. **Pierre** [BMG<sup>+21b</sup>]. **Pigment** [MKMF<sup>+89</sup>, GBC<sup>+00</sup>, LSM<sup>+22</sup>, SHS<sup>+05</sup>]. **pigmented** [FEGA<sup>+14</sup>]. **pigments** [CMC<sup>+16</sup>, DN07]. **PII** [SDS22a]. **pilchardus** [BCGN<sup>+18</sup>, CCHV<sup>+21</sup>, SNV<sup>+18</sup>]. **pilot** [HPB<sup>+09</sup>]. **Pink** [KBF<sup>+08</sup>, Kli10]. **Pisces** [CSM<sup>+15</sup>]. **Piscicolidae** [UKK<sup>+19</sup>]. **piscivorous** [EKB06]. **pit** [Bak06]. **pitfall** [AM10]. **Pitzer** [FM07]. **Placopecten** [GGJ<sup>+10</sup>]. **Plain** [BBR<sup>+01</sup>, HBD<sup>+21</sup>, HCV<sup>+20</sup>, IBW<sup>+01</sup>, VSC01, VPW01, CES<sup>+19</sup>, SSKA19, BKD<sup>+20</sup>, BGS<sup>+04</sup>, RBL90, VDP<sup>+01</sup>, WDK<sup>+01</sup>]. **plains** [BHB<sup>+19</sup>]. **planet** [Bak83]. **planktivorous** [RG94, dSSDS<sup>+20</sup>]. **Plankton** [AFBT<sup>+22</sup>, BPA<sup>+21</sup>, BGMP03, BDE03, FGGDF<sup>+04</sup>, GMDD<sup>+22b</sup>, Hau84, Hof10, HFK03, JJS03, LJPGC02, MGC<sup>+18</sup>, NGLL<sup>+22</sup>, Peñ03b, AV23, ABT<sup>+04</sup>, AKH<sup>+23</sup>, AUE<sup>+14</sup>, BTNK13, BAOC<sup>+09</sup>, CDH<sup>+13</sup>, CWB<sup>+22</sup>, CNT03, CGS23, Col69, CFML22, CNSHT15, FWH<sup>+17</sup>, Fra69, Fro93, FDM<sup>+13</sup>, FG16, GMAGH<sup>+17</sup>, GMDD<sup>+22a</sup>, GCD<sup>+13</sup>, HPB<sup>+09</sup>, IVT<sup>+12</sup>, JSHB90, KZD<sup>+19</sup>, LGK<sup>+93</sup>, LLGS21, Lon85, LH89, MSMH19, Moh15, MPC12, MCT03, OMR<sup>+22</sup>, PVC<sup>+08</sup>, PTF12, PMC16, RMC<sup>+15</sup>, RWJ<sup>+06</sup>, SHL13, STF<sup>+13</sup>, SPSV<sup>+20</sup>, SS17, TSAM<sup>+22</sup>, TSL10, TS10, TSBS18, VDDA<sup>+08</sup>, VR03, WMWR08, WH94, Woo05, WPB05, dB94]. **Planktonic** [CQZ<sup>+18</sup>, GRdSS<sup>+22</sup>, HNL14, NYL<sup>+17</sup>, NFMCS<sup>+22</sup>, TCF<sup>+18</sup>, AMEV07, AAM<sup>+14</sup>, ABSDC07, AOMZ<sup>+23</sup>, AT07, AHW<sup>+15</sup>, Bri79, Den03, FTG<sup>+11</sup>, GMBU12, GGJ<sup>+10</sup>, GHC<sup>+17</sup>, JE92, MVN<sup>+15</sup>, MPM<sup>+18</sup>, MCGR07, MMF<sup>+12</sup>, MGH<sup>+07</sup>, Par65, PAPL15, Peñ03a, RAG<sup>+19</sup>, SBMB18, STS<sup>+12</sup>, SJJ<sup>+03</sup>, SDJ14, SPB93, TFM03, UB10, Wil65, Ang84]. **planning** [LRGV<sup>+18</sup>]. **Plans** [Mos69]. **plant** [SMM<sup>+90</sup>]. **plasticity** [KSB<sup>+22</sup>]. **Plateau** [FMC<sup>+15</sup>, GIHJ23, MFA<sup>+15</sup>, PWZ<sup>+16</sup>]. **plateformes** [Ber65c]. **platform** [KC02, WZC20]. **platforms** [RLP<sup>+18</sup>]. **platypterus** [RLL<sup>+09</sup>]. **plausible** [CMF11]. **played** [OKdA<sup>+19</sup>]. **Pleistocene** [Ban65, BW65, Don65, Emi65, MBP65, Sel65, ST65, Wil65]. **plenary** [Sie88]. **Pleuromamma** [HTG15]. **Pleuromammals** [GRB<sup>+08</sup>, YCP<sup>+12</sup>]. **Pliocene** [BW65, GWGR<sup>+19</sup>, MBP65, Sel65]. **plumchrus** [MFB<sup>+84</sup>, FMT15, LGK<sup>+93</sup>, Mil88]. **plume** [EKB06, HW02, HLS<sup>+14b</sup>, JX18, Wen88, MSd<sup>+16</sup>]. **plumes**

[DJW<sup>+18</sup>, MSd<sup>+16</sup>, SLM<sup>+16</sup>, WF17]. **plutonium** [HKY<sup>+11</sup>]. **Plymouth** [USH15b]. **POC** [LCGH07, LHC<sup>+19</sup>]. **POEM** [MRMD<sup>+97</sup>, ÖHÜ89]. **POEM-Phase** [MRMD<sup>+97</sup>]. **point** [CNBD21, DW02, FWO15]. **poisoning** [CAH<sup>+22</sup>]. **polaires** [Rou65]. **Polar** [MHA<sup>+11</sup>, Rud15, BRD<sup>+15</sup>, BF11, BGL<sup>+17</sup>, GCD97, HDA<sup>+16</sup>, KTH<sup>+21</sup>, KSG<sup>+17</sup>, Rou65, Rud89, SBH<sup>+14</sup>, VMH<sup>+21</sup>, WMB<sup>+21</sup>, WBA<sup>+22</sup>, NBR<sup>+08</sup>, STC10]. **Polcevera** [CLD22, DSC<sup>+19</sup>, GBB<sup>+20</sup>]. **Pole** [SLGI<sup>+21</sup>]. **poleward** [Kos02, SDGVE17]. **Policy** [HSC09, SSB<sup>+20b</sup>, Val99a, Val99b]. **pollen** [GGE<sup>+65</sup>, YSY<sup>+19</sup>]. **Pollock** [PDAM<sup>+15</sup>, BCB<sup>+05</sup>, GTS<sup>+21</sup>, MLPN06, YNM<sup>+02</sup>]. **pollutants** [LB14, PAF<sup>+11</sup>]. **pollution** [CC88]. **polychaete** [JP90, LMPB<sup>+16</sup>, VCSG<sup>+01</sup>]. **polycyclic** [FTG<sup>+18</sup>, SGL<sup>+17</sup>]. **Polycystina** [BC16]. **polymetallic** [BJMP19, BJMP20]. **polymorphism** [Sma10a]. **Polynya** [SDL<sup>+19</sup>, THM<sup>+06</sup>, BvdLA<sup>+11</sup>, Hol00, YLL19, HFO<sup>+22</sup>]. **polyunsaturated** [KO19, WPB<sup>+08</sup>, WL16]. **polyxystra** [LDAM<sup>+07</sup>]. **pompejana** [JP90]. **pool** [GTS<sup>+21</sup>, HHB<sup>+00</sup>]. **pools** [ELW06, FGL<sup>+23</sup>]. **poor** [EAB<sup>+23</sup>, GAS<sup>+22</sup>]. **Population** [KSKN21, LS12, AEP<sup>+23</sup>, AH10, BCGN<sup>+18</sup>, BAP<sup>+22</sup>, BB10, DLL<sup>+23</sup>, DBM17, FRCH15, GGA<sup>+16</sup>, HMP<sup>+13</sup>, JLP<sup>+20a</sup>, JLP<sup>+20b</sup>, LMS10, LSS<sup>+10</sup>, LAHI10, MAH<sup>+15</sup>, Mau10, Reb02, RA15, SIR<sup>+07</sup>, SSL08, SBFP21, STS<sup>+12</sup>, SDH<sup>+14</sup>, SAB<sup>+21</sup>, SJD10, UB10, WBF<sup>+21</sup>]. **populations** [ABSDC07, APC<sup>+21</sup>, ALT10, Bak01, Bak06, BBLD<sup>+11</sup>, BCT<sup>+09</sup>, BEP02, CNSHT15, GRLS14, GPC<sup>+03</sup>, HRSM08, HFW<sup>+98</sup>, hHRW<sup>+05</sup>, KQP<sup>+17</sup>, LSM08, Mau17, MM90, PRTC13, PCR<sup>+22</sup>, YAK<sup>+08</sup>]. **Porcupine** [VPW01, BBR<sup>+01</sup>, BKD<sup>+20</sup>, BGS<sup>+04</sup>, HBD<sup>+21</sup>, HCV<sup>+20</sup>, IBW<sup>+01</sup>, RTN90, VSC01, VDP<sup>+01</sup>, VBJ<sup>+20</sup>, WDK<sup>+01</sup>]. **pore** [KGdS<sup>+08</sup>, PRL<sup>+18</sup>, Wil65]. **porewater** [SSTL16]. **porpoises** [JHW<sup>+14</sup>, NHE<sup>+13</sup>]. **portion** [MG02]. **Portland** [MB07]. **Portugal** [ÁSFP<sup>+03</sup>, EAL<sup>+07</sup>, JGO<sup>+98</sup>, KGdS<sup>+08</sup>, MLS<sup>+15</sup>]. **Portuguese** [AJV<sup>+02</sup>, OVR<sup>+02</sup>, VOJD02a, VOJD02b]. **POSEIDON** [DEW<sup>+97</sup>]. **position** [GWM<sup>+22</sup>, HLTB<sup>+17</sup>]. **positive** [BBLD<sup>+11</sup>, HHSR07]. **possibility** [SW65]. **Possible** [AB90, IIS<sup>+17</sup>, Ber65a, Car98, CS03, Co065, Cra09, CS04, KMF<sup>+20a</sup>, KMF<sup>+20b</sup>, RTN90, RVS<sup>+21</sup>, SNZ<sup>+20</sup>, SA97, TKWI08]. **possibly** [ZBY<sup>+22</sup>]. **Post** [OTNI20, DCL<sup>+13b</sup>, WMWR08]. **post-glacial** [DCL<sup>+13b</sup>]. **Post-spring-bloom** [OTNI20]. **postlarval** [VDGdD<sup>+22</sup>]. **posts** [PMG15]. **Potential** [CALS<sup>+23</sup>, DVB<sup>+18</sup>, HSC<sup>+16</sup>, LRW<sup>+15</sup>, MLK<sup>+09</sup>, MMF<sup>+12</sup>, VMV<sup>+23</sup>, YZX<sup>+23</sup>, YWUK15, BM07, CPO<sup>+19</sup>, DRVMC<sup>+22</sup>, FH95, Fei03, Fei04, FGL<sup>+23</sup>, GGT<sup>+15</sup>, GGQ07, GCG<sup>+14</sup>, HWLT10, HSN<sup>+18</sup>, JLRB20, JSLA<sup>+21</sup>, KV13, LYS<sup>+22</sup>, LPF<sup>+18</sup>, MVN<sup>+15</sup>, MPMFL<sup>+23</sup>, McD88, MDR20, RASVB<sup>+22</sup>, RDP<sup>+21</sup>, Sak86, SBL<sup>+23</sup>, SJD10, SPB93, TLM<sup>+17</sup>, WAH<sup>+20</sup>, WWW<sup>+23</sup>, ZCA21]. **potentially** [VBJ<sup>+20</sup>]. **poutassou** [MAFS<sup>+22</sup>]. **power** [Iwa23, YYhT<sup>+17</sup>]. **pp** [Ang79a, Ang80, Hof81]. **Pre** [OMS<sup>+09</sup>, CMS<sup>+13</sup>, PCSMC12]. **Pre-conditions** [OMS<sup>+09</sup>]. **pre-recruitment** [CMS<sup>+13</sup>, PCSMC12]. **precipitation** [MJWK07]. **precision** [MLHE23, TIOM16]. **precursor** [STW<sup>+15</sup>]. **predation**

[AHSS22, AIA<sup>+15</sup>, DWFP<sup>+19</sup>, HSL96, LZF<sup>+24</sup>, OMR<sup>+22</sup>, TS10, WBC<sup>+22</sup>].  
**Predator** [PTF10, PTF12, AGD<sup>+18</sup>, AUE<sup>+14</sup>, Bak06, DAF<sup>+22a</sup>, DAF<sup>+22b</sup>, GPEV20, KM10, LAD<sup>+18</sup>, LMP22, NBLI20, STEB16, SDO<sup>+14</sup>, SIB<sup>+06</sup>].  
**predator-driven** [SDO<sup>+14</sup>]. **Predators** [LM10, Mau10, AHP19, DY0<sup>+10</sup>, GCG<sup>+14</sup>, HF10, Jac10, LMS10, SFS<sup>+12</sup>, SSL08, TSS<sup>+12</sup>]. **predatory** [SCS<sup>+18</sup>]. **predict** [QSC<sup>+15</sup>, SWP<sup>+13a</sup>]. **Predictability** [BBL<sup>+18</sup>, JAS<sup>+20</sup>, OLH<sup>+18</sup>, TBS<sup>+19</sup>, WPB05]. **predictable** [KCPM09, STC10]. **predicted** [WST<sup>+16</sup>]. **Predicting** [CLB<sup>+13</sup>, LRGV<sup>+18</sup>, MCD<sup>+14</sup>, MDB<sup>+20</sup>, SAY<sup>+16</sup>, RSMIS03, VSPP14].  
**Prediction** [Ste12, FY88, HSS<sup>+12</sup>, HKK12, JAS<sup>+20</sup>, NHS<sup>+14</sup>, PBH<sup>+10</sup>, RL85, SPV<sup>+15</sup>, VBL<sup>+09</sup>, VVV21]. **predictions** [GRLS14, SCHD23].  
**Predictive** [BFP<sup>+18</sup>, BMGN15, PRC<sup>+20</sup>, PYKF15]. **predictor** [CARBML<sup>+22</sup>, LPARF<sup>+20</sup>]. **Preface** [Ano03g, CH07a, RW97, Sea63, SGPdM18, Wyr06, SKHD84, War73].  
**preference** [CdD<sup>+15</sup>]. **preferences** [ARD<sup>+03</sup>, LAD<sup>+18</sup>, LSIC12]. **preferred** [RVC<sup>+13</sup>]. **prehistoric** [DVL<sup>+99</sup>]. **Preindustrial** [ZCD08, LHW<sup>+20</sup>].  
**prejudice** [MRH<sup>+18</sup>]. **Preliminary** [LSS<sup>+10</sup>, ZHSMM14, Ken88, WO85].  
**premier** [STGR<sup>+23</sup>]. **prerecruit** [LLS01]. **Presence** [LAP10, ANMP15, BPSN<sup>+21</sup>, CSLJ03, DHD<sup>+23</sup>, LML<sup>+23</sup>, SPW22].  
**Present** [DJG<sup>+02</sup>, BCD<sup>+20</sup>, Cai95, CBGC<sup>+08</sup>, KKK04a, NW87, SBB<sup>+14</sup>].  
**present-day** [Cai95]. **Preservation** [SLG<sup>+12</sup>, LvIKB07]. **Press** [Ang79a, Ang80, Ang88, Bak83, Hof81, SW81]. **pressure** [BF01, ERT<sup>+22</sup>, FWL<sup>+15</sup>, HWB<sup>+18</sup>, KSK21, LM00, LGZ<sup>+20</sup>, RPG<sup>+18</sup>, SV97, ZZPL18].  
**pressure-recording** [ZZPL18]. **pressures** [BVJE19, KSE<sup>+09</sup>]. **prevailing** [TZP<sup>+00</sup>]. **previous** [Ano65c, Ano65d, Ano69b, Ano73b, Ano85c, Ano86a, Ano87a, Ano89a, Ano92a]. **Prey** [HWL<sup>+20</sup>, SRT<sup>+18</sup>, AHGRAL23, AGD<sup>+18</sup>, AUE<sup>+14</sup>, BFB<sup>+20</sup>, BJ90, CCHV<sup>+21</sup>, Cra09, DRVMC<sup>+22</sup>, DAF<sup>+22a</sup>, DAF<sup>+22b</sup>, GCG<sup>+14</sup>, HBG<sup>+21</sup>, HF10, LOBG<sup>+10</sup>, LPF<sup>+18</sup>, LRJ<sup>+15</sup>, PTF10, PTF12, VWDF14, YGL<sup>+10</sup>].  
**prey-predator** [DAF<sup>+22a</sup>, DAF<sup>+22b</sup>]. **prey-switching** [VWDF14].  
**prey/predator** [AUE<sup>+14</sup>]. **Priceless** [PG10]. **prices** [PG10]. **pride** [MRH<sup>+18</sup>]. **Primary** [CCB<sup>+20</sup>, FFA09, IVT<sup>+12</sup>, JRW01, KNI<sup>+05</sup>, MB05, PMK<sup>+06</sup>, PS08, PTI00, SMM<sup>+90</sup>, WFH<sup>+22</sup>, WSG<sup>+93</sup>, AHGRAL23, AvD15, BBE<sup>+15</sup>, BTS<sup>+15b</sup>, BCOL<sup>+19</sup>, BTJ<sup>+17</sup>, CKT<sup>+13</sup>, DAuD<sup>+21</sup>, Dem09, FEGA<sup>+14</sup>, GSPMAI99, GF19, HMO<sup>+13</sup>, HSC<sup>+16</sup>, JTD<sup>+14</sup>, JJL<sup>+19</sup>, KFKO03, KLB<sup>+21</sup>, KM08, LSH<sup>+11</sup>, MBP<sup>+11</sup>, MOS<sup>+13</sup>, MC15, MZK<sup>+23</sup>, MSL<sup>+07</sup>, MST<sup>+23b</sup>, NHH<sup>+23</sup>, PAM<sup>+88</sup>, STS<sup>+12</sup>, SSN23, SR15, SEW11, SKCP23, TBS<sup>+19</sup>, TLM<sup>+17</sup>, TAM<sup>+15</sup>, VEM<sup>+21</sup>, WFS<sup>+15</sup>, XLX<sup>+20</sup>, ZGZ19, dlGFM<sup>+23</sup>, vRGW10].  
**primer** [Gar03]. **Principal** [YKWF21, KDF97]. **principles** [AV23, LMA<sup>+15</sup>]. **prior** [FGGDF<sup>+04</sup>, Rud15, SSM<sup>+90b</sup>, TSFA22].  
**priorities** [FDH20, HSH<sup>+19</sup>, IPF23]. **priority** [JAS<sup>+20</sup>]. **prism** [JFG<sup>+90</sup>, OSH<sup>+96</sup>]. **pristine** [GHL15, MPN09]. **pro** [CFC<sup>+18</sup>]. **pro-delta** [CFC<sup>+18</sup>]. **probabilistic** [AHC<sup>+13</sup>]. **probability** [HLP<sup>+16</sup>]. **probe**

[SPH<sup>+</sup>15b]. **problem** [Cox63, CPC88, KN10, KN11, MFH86]. **problems** [Ang80, Pir87, Sei63, Sva65]. **procedures** [RAB<sup>+</sup>84]. **process** [QSC<sup>+</sup>15, ŠPM<sup>+</sup>22, VMN08]. **process-oriented** [ŠPM<sup>+</sup>22, VMN08]. **Processes** [IPD14, TvG02, XD96, AHA<sup>+</sup>16, Ano94c, BP02, BRD<sup>+</sup>15, BVB88, BPGC<sup>+</sup>20, BCR<sup>+</sup>13, CB09, CLA<sup>+</sup>00, CVHM<sup>+</sup>18, DJG<sup>+</sup>02, ESTM<sup>+</sup>12, FFA09, Fro93, GBC<sup>+</sup>15, GTS<sup>+</sup>21, GLS08, HGBG20, HKE<sup>+</sup>10, HPNDC15, Hut95, IGG<sup>+</sup>19, JGS90, JST<sup>+</sup>24, KSK<sup>+</sup>15, KNS<sup>+</sup>03, Kit03, KZD<sup>+</sup>19, LCB18, LGR<sup>+</sup>02, LC22, LHC<sup>+</sup>19, LFBP<sup>+</sup>13, MLL<sup>+</sup>22, MY23, MHS<sup>+</sup>20a, MHS<sup>+</sup>20b, MVN<sup>+</sup>15, MKM93, MZZ<sup>+</sup>23, MIH06, ML09, MJA<sup>+</sup>07, MST<sup>+</sup>23b, NGLSSG14, NMY<sup>+</sup>14, NNO<sup>+</sup>14, OOTA15, ORB<sup>+</sup>18, PKP14, QCdS<sup>+</sup>07, RKS01, RGC<sup>+</sup>01, RLDC<sup>+</sup>13, RGI05, RHB23, RBHLA04, RAG<sup>+</sup>19, Rud15, SOS<sup>+</sup>07, SRAV19, SW22, SSM90a, Soh03, SÖÜ94b, Tho95, TCL<sup>+</sup>15, UBB<sup>+</sup>23, USH15b, VPW01, VOJD02a, VPH<sup>+</sup>12, WHBK05, WH89, XC14, XCH<sup>+</sup>16, YAI<sup>+</sup>14, YFY<sup>+</sup>22, vWMH98, vWM02a]. **processing** [BCLD<sup>+</sup>17, ZCLS20]. **Prochlorococcus** [RA15]. **prodelta** [PRL<sup>+</sup>18]. **produced** [KSG<sup>+</sup>17, KMWF11]. **producers** [LSH<sup>+</sup>11]. **product** [STW<sup>+</sup>15, dPCS23]. **Production** [RWOA01, STHM02, AAMB<sup>+</sup>24, AvD15, BBE<sup>+</sup>15, BTS<sup>+</sup>15b, BCOL<sup>+</sup>19, BLP<sup>+</sup>20, BD20, BKD<sup>+</sup>20, BD18, BTJ<sup>+</sup>17, BPTT19, CKT<sup>+</sup>13, CRPS<sup>+</sup>15, CCH<sup>+</sup>12, CCB<sup>+</sup>20, Dag93, DAvD<sup>+</sup>21, Dem09, Epp92, FJA<sup>+</sup>21, FFA09, FEGA<sup>+</sup>14, FLDF22, Fro93, GdRGL<sup>+</sup>01, GGPG<sup>+</sup>19, GGQ07, GWK17, GSSWK20, GSPMAI99, GF19, HL05, HBL<sup>+</sup>13, HSG<sup>+</sup>15, HMO<sup>+</sup>13, HWL<sup>+</sup>20, HGH<sup>+</sup>19, HHW01, HHW22, HSC<sup>+</sup>16, HVEF09, IVT<sup>+</sup>12, JTD<sup>+</sup>14, JSdSS<sup>+</sup>21, JJJ<sup>+</sup>19, JW01a, JRW01, KFKO03, KLB<sup>+</sup>21, KON14, KV13, KM08, KPSA17, KC02, LQU07, LCGH07, LLS01, LH89, Lon95, MOS<sup>+</sup>13, MLK<sup>+</sup>09, MC15, MZK<sup>+</sup>23, Mil93b, MIW91, MTK<sup>+</sup>22, MSL<sup>+</sup>07, MST<sup>+</sup>23b, NYL<sup>+</sup>17, OMR<sup>+</sup>22, OWR<sup>+</sup>07, OJB99, OACB<sup>+</sup>15, PMK<sup>+</sup>06, PAM<sup>+</sup>88, PD15, PB94, QLW10, RM93, SCAA07, SMP<sup>+</sup>22a, STS<sup>+</sup>12, SJJ<sup>+</sup>03, SSN23, SR15, SDH<sup>+</sup>14, SEW11, SMM<sup>+</sup>90, SE92, SYN<sup>+</sup>21, TBS<sup>+</sup>19, TGJT09, TLM<sup>+</sup>17, TRP<sup>+</sup>23, TAM<sup>+</sup>15]. **production** [VCB<sup>+</sup>00, Ver91, VEM<sup>+</sup>21, WSG<sup>+</sup>93, Whe93, WFS<sup>+</sup>15, XLX<sup>+</sup>20, YMA<sup>+</sup>17, YHRT22, YHM<sup>+</sup>18, ZGZ19, ZHD<sup>+</sup>20, dlGFM<sup>+</sup>23]. **production/export** [HGH<sup>+</sup>19]. **Productive** [MIN<sup>+</sup>20, CSS<sup>+</sup>21, CHC<sup>+</sup>12, DMC<sup>+</sup>18, LHP<sup>+</sup>05]. **Productivity** [BHA<sup>+</sup>14, MDC<sup>+</sup>07, AHGRAL23, BW08, CMHM18, CQC15, DGP<sup>+</sup>13, GCV<sup>+</sup>24, HBV<sup>+</sup>99, JTQ<sup>+</sup>18, KTH<sup>+</sup>21, KNI<sup>+</sup>05, LT06, LNB13, LdSH<sup>+</sup>15, MCD<sup>+</sup>14, MB05, McK08, MMN<sup>+</sup>24, MJA<sup>+</sup>07, NHH<sup>+</sup>23, NGNV12, PS08, PCH<sup>+</sup>08b, PTI00, RCS<sup>+</sup>11, RFKC16, RGM01, SGF<sup>+</sup>19, STF<sup>+</sup>13, SGO<sup>+</sup>08, SKCP23, SIB<sup>+</sup>06, STGR<sup>+</sup>23, TDGY22, WFH<sup>+</sup>22, vRGW10]. **products** [YN20, ZD17]. **productus** [FB05]. **PROFAN** [MPTMK22]. **professor** [Bru88, JW01b, SMB88, Sie88]. **profile** [BMGN15]. **Profiles** [LH89, Ang89, ASR<sup>+</sup>20, Gam14, HKY<sup>+</sup>11, KPSA17, MMF<sup>+</sup>17, NKK03, PAF<sup>+</sup>11, RSMIS03, RMB<sup>+</sup>01, WOW<sup>+</sup>14, YYK88]. **profiling** [BOG20, KSK21, KHM<sup>+</sup>88, TDH<sup>+</sup>95]. **profondes** [Rot65]. **Prog** [ÁBMÁS15, GFB<sup>+</sup>15b, KN11, MFS<sup>+</sup>16a, SE09, VH09a, WF07, Yas07b, dMGS<sup>+</sup>11b].



**Progr** [BJMP20, FDH20, JLP+20a, KMF+20a, MHS+20a, RBS+20].  
**Program** [BK08, AH15, EBD+20, PDV12, Reb02, RG09]. **programme**  
 [Ano17a, BPW10, BR01, RNP+17, ALV+21, AB00, PHCA17]. **programmes**  
 [HM15, OELP04]. **programs** [HMKF08]. **Progress** [Ano94c, BDB+22,  
 BLAM00, CGL+20, Fei04, HHW22, Kru19, LGH+21, OEL+14, RLSF07,  
 RG03a, SDS22a, SHC+07, VHK04, CAT+08, vdS94b, WR03]. **progression**  
 [KMS+24, STW+15]. **Progressive** [RMC+15]. **Project**  
 [WSG+93, APSC11, BN03, Kit03, SJA+23, SGPdM18, TP00, VBL+21,  
 VYGMM+17, vAB96, BC99, Dri11, DP13, NF87]. **Projected**  
 [WO15, ABP+23, SJD10]. **Projecting**  
 [CBOP15, SBM+23, TNGP22, MST+23b]. **projections** [TLH+15, TLP+16].  
**projects** [SPK+19]. **prokaryote** [CQZ+18, LQU07]. **prokaryotes**  
 [GLAHH+22, RCC+18]. **prokaryotic**  
 [CRC+19, GASV+09, ORMR+19, RPG+18]. **prolonged** [HZD+23].  
**promotes** [WCC+20]. **promoting** [ZJZ+21]. **promotion** [KSC10].  
**pronounced** [RS10]. **propagating** [UKM+14]. **Propagation**  
 [KAG+19, ZKT88, BPSGP+23, His22, Oll15, RKS01]. **Proper** [Sud86].  
**Properties** [BNCC15, Kat18, AGS10, BDB+04, BCR+13, CTMV+14, CR20,  
 GCS91, HGD22, HMX+23, JZZY24, JSKM02, KF11, KMU+12, LF12, LC10,  
 McD81a, MVC+11, Mit91, NF06, NBLI20, NIF+15, PM22, PFW15, SHP+23,  
 SW92, SRG+19, TII+14, TTL+04, WMB+18, WST+16, YNM+02]. **property**  
 [GJ00, HHMB+09, McK08]. **Proportion** [WLL+23]. **proposed** [WGCS13].  
**prospect** [CLdPHL23]. **Prospects** [CSS+19, ALG+21]. **protected**  
 [EAB+23, JSLA+21]. **protection** [BDE03]. **proteins** [YT06]. **protist**  
 [CQZ+18, GRdSS+22, MGA+23, ZPC+16]. **Protista** [BC16]. **protobranch**  
 [AS96]. **Protozoa** [Gif93, Mae88, TSFA22]. **protozooplankton** [SSV+11].  
**provenance** [GGE+65, PGT+13, YSY+19]. **provide** [ALM+23, GBT+19].  
**provides** [EB08]. **Providing** [dLLdAWL+23]. **Province**  
 [CLG+22, SQJ+17, MPTMK22]. **provinces**  
 [HRA00, LJM+16, MRW+14, SW21]. **provisioning** [KGJ+10]. **proxies**  
 [CLV+19, MDL+12]. **proxy** [FPJ+15, GEPC15, SOH21]. **Pseudo**  
 [PTPY+23, VSPP14]. **Pseudo-nitzschia** [PTPY+23, VSPP14].  
**Pseudocalanus** [HLPL05, LPHL+05a, PLHLF05]. **Pseudoikedella** [GS19].  
**Pseudostichopus** [RMB+01]. **Pseudotanaidae** [JPB20]. **PSP** [CAH+22].  
**Psychropotes** [GKR20, RMB+01]. **Psychropotidae** [GKR20]. **pteropod**  
 [JMZ23, MLB+20]. **Pteropods**  
 [BHK+16, HPH+08, KCBS20, LS13, AOMZ+23, BGWP+17]. **Pu** [GPA+11].  
**publication** [Ano13h, Ano13i, Ano13j, Ano13k, Ano14a, Ano14b, Ano14c,  
 Ano14d, Ano14e, Ano14f, Ano14g, Ano14h, Ano14i, Ano14j, Ano14k, Ano15a,  
 Ano15b, Ano15c, Ano15d, Ano15e, Ano15f, Ano15g, Ano15h, Ano15i, Ano15j,  
 Ano15k, Ano15l, Ano16a, Ano16b, Ano16c, Ano16d, Ano16e, Ano16f, Ano16g,  
 Ano16h, Ano16i, Ano16j, Ano17b, Ano17c, Ano17d]. **Publisher**  
 [Ano07s, Ano08x, Ano19o]. **Publisher's** [Ano03i, Ano03h]. **Puffinus**  
 [SSB14]. **Puget** [CCS+21, SKGS20]. **Pulley** [KAK+22b]. **Pulmo**

[VDGGD<sup>+</sup>22]. **pump** [CLCBB19, FZY<sup>+</sup>23, GDI<sup>+</sup>09, HMKF08, HKE<sup>+</sup>10, HAH<sup>+</sup>22, LRW<sup>+</sup>15, LH89, RGI05, RGE22, Tur15, XYGJ23, SHK<sup>+</sup>14]. **pumping** [HZCZ16, HNR<sup>+</sup>17]. **purposeful** [HHP06]. **Puyuhuapi** [SPSR<sup>+</sup>14]. **pycnocline** [SASH08]. **pyramid** [XYK<sup>+</sup>22]. **pyrenees** [Bou65]. **Pyrosoma** [OBD<sup>+</sup>20].

**quadrangularis** [PRA<sup>+</sup>18]. **qualitative** [WHBW03]. **quality** [BMG<sup>+</sup>21b, CLSP17, CLSD18, KS06, LSH<sup>+</sup>11, MFDH22, NRA<sup>+</sup>21, SJJ<sup>+</sup>03, ZD17]. **quantification** [dCFK17]. **Quantifying** [IHR18, NRA17, SL13, BCG<sup>+</sup>08]. **Quantitative** [NNO<sup>+</sup>14, BTNK13, FAAV<sup>+</sup>15, KHS<sup>+</sup>14, RSMIS03]. **quantities** [Nee85]. **quantity** [CLSD18, LSH<sup>+</sup>11]. **Quasi** [SGMP15, Mol22, dSPF<sup>+</sup>23]. **quasi-decadal** [Mol22]. **quasi-stationary** [dSPF<sup>+</sup>23]. **Quasi-synoptic** [SGMP15]. **Quaternary** [Hay65, HK65, Sai65, Con87]. **Questioning** [AHW<sup>+</sup>15]. **questions** [FAB<sup>+</sup>09]. **quick** [RKS01]. **quiescent** [VBAC<sup>+</sup>21]. **quiscent** [WP91]. **quotas** [BPA<sup>+</sup>21].

**R** [Ang88, SKF20]. **R/V** [SKF20]. **Ra** [IHT<sup>+</sup>21, LvBS<sup>+</sup>24]. **Radar** [VOT<sup>+</sup>99, BBM<sup>+</sup>14, Ric94, Pra91]. **RADIALES** [VBL<sup>+</sup>21]. **radiated** [CGW<sup>+</sup>22]. **radiation** [HYM<sup>+</sup>12]. **radiocarbon** [KMWF11]. **Radiolaria** [BC16]. **Radiolarians** [Coo65]. **Radionuclide** [WJE<sup>+</sup>92]. **radiotracers** [LPA<sup>+</sup>11]. **radium** [LCJ<sup>+</sup>17, WST<sup>+</sup>21]. **RADMED** [VYGMM<sup>+</sup>17]. **Radon** [CB06, OP18]. **Radon-222** [CB06]. **raised** [SCS87]. **Random** [RCGC<sup>+</sup>16]. **range** [ABSDC07, ALT10, BK19, DOP87, DEW<sup>+</sup>97, ESTM<sup>+</sup>12, HTG15, NRA<sup>+</sup>21, OBD<sup>+</sup>20, VDS<sup>+</sup>18]. **Rapid** [Bel09, EFC<sup>+</sup>23, KRHS14, ORPRGIS22, RCC<sup>+</sup>18, SCHBC<sup>+</sup>22, MHVS19, Was11, ZWM<sup>+</sup>15, ZCLS20]. **rapidly** [BHM<sup>+</sup>15]. **Rare** [GSPP<sup>+</sup>20, EAB<sup>+</sup>23]. **raschii** [MPSD15]. **rate** [Hey78, HTdM<sup>+</sup>15, PPSV<sup>+</sup>18, Tur65]. **Rates** [KB65, ÁSÁB<sup>+</sup>14, ARDP14, BS95, CBHL07, CRC<sup>+</sup>19, FCEZ10, GvOS<sup>+</sup>08, HL05, HHMB<sup>+</sup>09, HF10, KKS<sup>+</sup>03, KBF<sup>+</sup>08, Kli10, KSY<sup>+</sup>19, KSKN21, LS12, OTNI20, PTF10, PTF12, PD15, PZA<sup>+</sup>15, SCMAR<sup>+</sup>99, SIR<sup>+</sup>07, SKSK06, STHM02, VEM<sup>+</sup>21, Whe93]. **ratio** [SS03, Soh03]. **rationale** [KNS<sup>+</sup>03]. **ratios** [ÁSÁB<sup>+</sup>14, BPA<sup>+</sup>21, CPPPEAG22, DAF<sup>+</sup>22a, DAF<sup>+</sup>22b, IVR<sup>+</sup>13, KSS<sup>+</sup>23, KG65, KAAK<sup>+</sup>16, LDD<sup>+</sup>22, NKK<sup>+</sup>05, NAH<sup>+</sup>21, YAI<sup>+</sup>14]. **ray** [RHB23]. **Re** [YYT<sup>+</sup>14, MB01, McK08, PMG15, VPH<sup>+</sup>12, ZLR<sup>+</sup>07]. **re-** [PMG15]. **re-analysis** [McK08]. **Re-evaluation** [YYT<sup>+</sup>14, VPH<sup>+</sup>12, ZLR<sup>+</sup>07]. **re-occurrence** [MB01]. **reach** [CFM<sup>+</sup>18]. **real** [AIA<sup>+</sup>15, CP83, QSC<sup>+</sup>15, TGR05]. **real-time** [AIA<sup>+</sup>15, CP83]. **realism** [Fly03]. **realities** [Val99a]. **Realized** [XWL<sup>+</sup>18, ZLX<sup>+</sup>20]. **really** [UAM05]. **reanalyses** [AASJ23, CTKF<sup>+</sup>23]. **Reanalysis** [HNL14, ASJ<sup>+</sup>23, BBC<sup>+</sup>22, CMG15, SOB<sup>+</sup>08, SCC14, SKCP23, TMH<sup>+</sup>16, WLM<sup>+</sup>22, YN20]. **rebuilding** [KN10, KN11]. **Recirculating** [McC92]. **recirculation** [Hog85]. **recognition** [CM11, HMRB<sup>+</sup>03, Kaw98]. **recognize** [KV18]. **REcoM2** [SKWWGV18]. **Recommendations** [HM15, RRLS22, SPK<sup>+</sup>19]. **reconciliation** [GCP08].

**Reconciling** [OMS<sup>+15</sup>, Ste04]. **reconstruct** [RCD<sup>+94</sup>]. **reconstructing** [RD11]. **reconstruction** [FAAV<sup>+15</sup>]. **reconstructions** [VBL04, WM13].  
**Record** [PVG<sup>+20</sup>, BDB<sup>+04</sup>, Bol94, BC19, BHK<sup>+19</sup>, DLD<sup>+19</sup>, Emi65, GHSC19, LHE<sup>+13</sup>, RN02, Sha82, SGO<sup>+08</sup>, VOG<sup>+08</sup>]. **Record-breaking** [PVG<sup>+20</sup>]. **recorded** [UKK<sup>+19</sup>]. **Recorder** [BGMP03, BDE03, HFK03, JJS03, BTNK13, RWJ<sup>+06</sup>, WH94]. **recorders** [RCM<sup>+03</sup>]. **recording** [Dah69, PMFNGQ21, ZZPL18]. **records** [ALG<sup>+21</sup>, BB65, CGG08, HHWW20, MDL<sup>+12</sup>, RvBD<sup>+22</sup>, TAF<sup>+22</sup>, UGY<sup>+22</sup>, UCB<sup>+18</sup>, WMWR08]. **recoverability** [Dol09]. **recovery** [MMD<sup>+16</sup>, NMC<sup>+09</sup>, PBBH<sup>+22</sup>, dJSL<sup>+20</sup>]. **recreational** [JOGM<sup>+10</sup>].  
**recruit** [IFC<sup>+07</sup>]. **Recruitment** [BCB<sup>+05</sup>, CGV13b, HSGJ23, SEG<sup>+22b</sup>, VPH<sup>+12</sup>, ZK06, BGL<sup>+17</sup>, CDTM<sup>+21</sup>, CMS<sup>+13</sup>, FARRL<sup>+13</sup>, GSM<sup>+17</sup>, GEPC15, HMRB<sup>+03</sup>, HLS<sup>+14a</sup>, HCGK11, IIM<sup>+23</sup>, KKKY10, MHTG10, MHS<sup>+09</sup>, MKSvA<sup>+22</sup>, MAFS<sup>+22</sup>, NGPH10, OACB<sup>+15</sup>, OAWAN18, PCSMC12, RKC<sup>+10</sup>, Tit20, TIOM16, VCSG<sup>+01</sup>, WHI<sup>+02</sup>, XRC<sup>+15</sup>, ZL01].  
**recruits** [OACB<sup>+15</sup>]. **rectified** [YYhT<sup>+17</sup>]. **recurrence** [ATS01].  
**Recurrent** [VKT15]. **Recycling** [LHEB98, CRC<sup>+19</sup>, RWD01]. **red** [AHRT90, WWL<sup>+22</sup>, BF12, KAAK<sup>+16</sup>, KZD<sup>+19</sup>, Men21]. **redefinition** [SCLS10]. **redescription** [Mil88]. **Redfield** [Fly10]. **Redfieldian** [MHGGS19, FCMCÁS19]. **redistribution** [SAH<sup>+21</sup>]. **redox** [DYL<sup>+15</sup>, KGdS<sup>+08</sup>, SGO<sup>+08</sup>]. **reduce** [RSK<sup>+23</sup>]. **reduced** [DWFP<sup>+19</sup>, MSV<sup>+14</sup>]. **reducing** [CDB<sup>+24</sup>]. **reductase** [GGPG<sup>+19</sup>].  
**reduction** [ONR<sup>+14</sup>, WSO<sup>+13</sup>]. **Reef** [BMM97, BECR<sup>+22</sup>, CPPPEAG22, CALS<sup>+23</sup>, CLG<sup>+22</sup>, CKL<sup>+14</sup>, NYL<sup>+17</sup>, ROBRB<sup>+22</sup>, RHB23, VGJ<sup>+19</sup>, YW22, BECR<sup>+22</sup>]. **reefed** [RLP<sup>+18</sup>]. **reefs** [FSAO22, KAK<sup>+22b</sup>, MP04, WFJ<sup>+15</sup>, WLP<sup>+21</sup>]. **Reevaluation** [RK20].  
**reference** [Dol09, KDB95, MWFH02, NMN08, SYN<sup>+21</sup>, TR99, Ver91, WFH<sup>+22</sup>].  
**refinements** [MCKS17]. **reflect** [CLV<sup>+19</sup>, GLAHH<sup>+22</sup>, KBF<sup>+08</sup>, PGY<sup>+22</sup>].  
**reflected** [PG10]. **reflection** [LCZ<sup>+24</sup>]. **refs** [Bak83]. **refuge** [BF11].  
**regeneration** [FUOG<sup>+16</sup>, FFA09]. **Regime** [AN04, BHAJ12, CRS04, CS04, RS04, Ste04, WZ04, ANH21, AAMB<sup>+24</sup>, Bea04, BDC<sup>+08</sup>, CAT<sup>+08</sup>, CHB02, Dri06, FC07, FAH<sup>+13</sup>, FPS<sup>+13</sup>, HM00a, HMWM00, INI<sup>+17</sup>, IIM<sup>+23</sup>, iIRM<sup>+15</sup>, KFKO03, KJZ<sup>+12</sup>, KFG<sup>+03</sup>, Law04, LM14, LHF<sup>+16</sup>, Man04, MS00, MFY<sup>+86</sup>, ORMB08, PM13, Qiu15, SvN04, SKH00, SKT01, TOKLC08, TKW06, TKWI08, VBL04, WXH07, YTNK00, ZLKO00, dHA<sup>+04</sup>].  
**Regime-shifts** [BHAJ12]. **Regimes** [BBSN04, AIHB<sup>+07</sup>, AVS23, BDTC15, FJA<sup>+21</sup>, HSK<sup>+19</sup>, LdSH<sup>+15</sup>, MB01, Pow06, ZHF<sup>+24</sup>]. **Region** [INI<sup>+17</sup>, Ang79b, BHA<sup>+14</sup>, BAT<sup>+98</sup>, Ber65b, BB14, BHAJ12, CLV<sup>+19</sup>, CGMP14, Dav85, DL69, DIQJ21, FPIJ85, GMAMB04, GDSCU09, HSMLDC<sup>+22</sup>, HE07, hHRW<sup>+05</sup>, IMM<sup>+22</sup>, iIYO<sup>+10</sup>, LJPGC02, LvBS<sup>+24</sup>, LMC<sup>+20</sup>, LSW02, MPV12, MSA<sup>+22</sup>, MTK<sup>+22</sup>, NNM<sup>+21</sup>, OTNI20, PMC21, PHC<sup>+19</sup>, RCGC<sup>+16</sup>, RBR<sup>+23</sup>, ST03, SOB<sup>+08</sup>, SDGVE17, SGMP15, SBH<sup>+14</sup>, SJM<sup>+19</sup>, TKSIO8, TKW06, VVV21, WBD<sup>+15</sup>, ZHD<sup>+20</sup>, ZBRJ23,

**ZHBW01, FMCG15]. Regional**

[DMBB02, GZCL23, HVTV22, KJZ<sup>+</sup>12, LHC<sup>+</sup>21, MZGA<sup>+</sup>20, RLR<sup>+</sup>18, SIR<sup>+</sup>07, ABÁS<sup>+</sup>09, BGV<sup>+</sup>23, CB17, DBC<sup>+</sup>23, DRE<sup>+</sup>08, FP15, HHDS02, Hof81, HSC<sup>+</sup>16, HDB13, LPF23, Mac98, MB20, MEMC05, NGPH10, RCS<sup>+</sup>11, SOA<sup>+</sup>23, TAM<sup>+</sup>15, WSL20, YRKC08, MAB<sup>+</sup>11c, MAB<sup>+</sup>11a, MAB<sup>+</sup>11b].

**Regional-scale [HVTV22]. Regionalisation [AIA<sup>+</sup>18]. regionalism**

[KPM<sup>+</sup>23]. **Regions** [ALV<sup>+</sup>21, AP20, BEP02, BBL<sup>+</sup>18, BBRM20, DMF<sup>+</sup>09, DBRK17, ESTM13, FYYC05, Lav09, MKOLA20, O'B83, RGB<sup>+</sup>17, Rou65, RAG<sup>+</sup>19, SCB<sup>+</sup>16, VBAC<sup>+</sup>21, WMC<sup>+</sup>89, WWL<sup>+</sup>22]. **regularities**

[PMA<sup>+</sup>14]. **regularly** [Nof96]. **regulate** [Mau17]. **Regulating**

[NF87, Fro93]. **Regulation**

[SC23, BM01, HBL<sup>+</sup>13, HCGK11, KSC10, MC15, OWR<sup>+</sup>07, Tit20].

**regulations** [HLSX22]. **regulators** [Law04]. **related**

[AQVB<sup>+</sup>10, AHRT90, BLES16, CMF<sup>+</sup>09, CW02, CP02, FTC<sup>+</sup>16, GSV<sup>+</sup>01, GdRGL<sup>+</sup>01, IPG<sup>+</sup>16, Mit83, MR03, Nag01, OELP04, PCH08a, Pir87, RR01, SSTL16, UAM05, WXH07]. **relatedness** [BLES16]. **relates**

[DBC<sup>+</sup>23, LLAPG<sup>+</sup>22]. **Relating** [DBR03, HMRB<sup>+</sup>03, Bri79, Leg91].

**Relation** [MNT14, ARG11, AE09, BCOL<sup>+</sup>19, BGB<sup>+</sup>08, BDBJ01, BMG<sup>+</sup>19, BDC<sup>+</sup>08, DDE<sup>+</sup>95, FMH02, HPC<sup>+</sup>20, HGD22, HHY03, KON14, MIW91, NMLBCM<sup>+</sup>01, NM17, PC87, PD15, PLHLF05, RBPGJ<sup>+</sup>20, STC10, SKSK06, TZP<sup>+</sup>00, VDGGD<sup>+</sup>22, YSS14, YN03a]. **relations** [Don94, HFW<sup>+</sup>98].

**Relationship**

[EKB06, SCB<sup>+</sup>09, WLKM10, YFK21, BCGN<sup>+</sup>18, CPG08, DBC<sup>+</sup>18, hHCK01, IL20, LSF<sup>+</sup>17, MSC<sup>+</sup>15, RD03, SAM<sup>+</sup>04, Sel65, SBG<sup>+</sup>08, XYGJ23, ZHBW01].

**Relationships**

[MM90, PCC<sup>+</sup>19, RFFL21, DTOD00, EHG<sup>+</sup>12, JJA<sup>+</sup>08, LOG<sup>+</sup>09, LOBG<sup>+</sup>10, MHTG10, MDAW<sup>+</sup>19, PPHM18, PGGG17, SPC<sup>+</sup>23, Wai21, WZFW16, ZL01].

**Relative**

[EBR<sup>+</sup>14, ADV<sup>+</sup>18, DCM16, JF13, KSE<sup>+</sup>09, MLB<sup>+</sup>20, MWFH02, NCC<sup>+</sup>15].

**relaxation** [DRVMC<sup>+</sup>22, TFM03]. **Release**

[OB98, IOGS13, JOGM<sup>+</sup>10, TNS<sup>+</sup>05]. **released** [MK86]. **relevance**

[Dav99, SCPN15]. **relevant** [FACM<sup>+</sup>23, FEGA<sup>+</sup>14, MCMT<sup>+</sup>17]. **Reliability**

[Kvi69]. **Remarks** [Koc65a, OE65, SCLS10, Car97b, GM19, Kam19, Ola65b].

**remediate** [GGT<sup>+</sup>15]. **remineralisation** [BHHR15]. **remineralization**

[FCMCÁS19, SLOP<sup>+</sup>22]. **remineralized** [PRL<sup>+</sup>18]. **remobilization**

[PPSVC<sup>+</sup>13]. **RemoTe** [JST<sup>+</sup>24, GEP<sup>+</sup>08, SMGL01, ARD<sup>+</sup>03, BBE<sup>+</sup>15, BPGD<sup>+</sup>14, BGR<sup>+</sup>15, BTJ<sup>+</sup>17, KY14, KPSB17, KC02, McK15, RHB23, iSIS02, Tho87, WMB<sup>+</sup>18, dIGFM<sup>+</sup>23]. **remote-sensing** [McK15].

**Remotely** [UKM<sup>+</sup>14, CTMV<sup>+</sup>14, HMO<sup>+</sup>13, XLX<sup>+</sup>20]. **remotely-sensed**

[CTMV<sup>+</sup>14]. **removal** [SGL<sup>+</sup>18]. **renewal** [APC<sup>+</sup>21, LEDR<sup>+</sup>22, Tit20].

**Reorganization** [KLC<sup>+</sup>15, CHB02, RMC<sup>+</sup>15]. **reorganizations** [BDT<sup>+</sup>08].

**repeat** [CNBD21, MDR22]. **replanting** [AR18]. **replete** [AIHB<sup>+</sup>07]. **report**

[Ano94k, KMOM88]. **representation** [FW91, MST<sup>+</sup>23b]. **representative**

[AM19, SS69]. **representativeness** [Web69]. **representativity** [Kvi69].

**representing** [GLH13]. **Reprint** [DAF+22b, PBB+12b]. **reproducibility** [ŠGM+18]. **Reproduction** [HLPL05, IMHL07, vPRT90, BFB+20, DWFP+19, HGBG20, PMH17, PCH08a, SIB+06, WPB+08]. **Reproductive** [FARRL+13, PHLL05, BWMGCB08, BCL+09, CÁM06, HWBT03, LS12, Nie07, SS03, SHT+01, YFY+22]. **requirements** [AHGRAL23, BMG13]. **Research** [FDH20, HSH+19, MP13, MS15, ACHSH08, BPW10, CL03, EAL+07, MRH+18, MDGC+12, Moh15, PAB+21, PHKS17, Val99a, Wüs64, ALV+21, Ang88]. **reserve** [ROBRB+22]. **reserves** [CNT+19]. **reservoir** [SLBR18]. **reshape** [ZCA21]. **residence** [CSMGS19, WST+21, WJE+92]. **residual** [PL89, Yux88]. **residuals** [SL13]. **resilience** [CARBML+22, HSMLDC+22, MDGC+12, ROBRB+22]. **resilient** [MCB+10]. **Resistance** [JP90, CARBML+22]. **resistant** [PCD+18]. **Resolution** [SPC+23, APC13, APN+15, ASJ+23, AASJ23, BMC05, CN22, CGZ+16, Ché14, CNBD21, DRE+08, DPF+20, FACM+23, FAAV+15, GWS+23, KM08, MFDH22, MRW+14, RMK+21, SKWWGV18, SMP+22a, SCC14, SVIA14, dPCS23, vHMDL14]. **resolved** [PO15]. **Resolving** [CMS+13, SOB+08]. **resonant** [SMFM+21]. **resource** [IS19, LFG10, LIH+12, OMR+22, VMC+19]. **resources** [CWS+21, GMR+23, PHKS01, Ric01, SKT01, TSH+17, ZLKO00, ZLS+04, SAB+22]. **respiration** [AE09, GMAGH+17, GMDD+22b, GMDD+22a, HLCdP19, PG13, YHLA+04, ZKK+16]. **respiratory** [AGL+15]. **respond** [LG23]. **Responding** [JBH20]. **Response** [BBB+14, CPC+15, HVRR15, LFI+13, ANMP15, ABD+17, AC85, BVJE19, BLR+23a, BSW86, BDE03, CGC+20, CMHM18, CAB+99, DDDT99, DMD+00, ESA+13, GCCY+14, GFGGD+23, GEP+08, iIRM+15, JHM+22, KJZ+12, LJPGC02, Let87, LO21, LH08, MMES16, MOSN+13, MH14, MSB+23, MPC12, Peñ03a, PTZ+23, PSM+22, RCC+18, RKM+07, RN02, SDP+22, SFMT12, Sch83, SS17, VWDF14, VMV+23, WWW+23, WHI+02, WDK+01]. **Responses** [FB05, MST+23a, QLW10, RK03a, SSH+05, SHS+05, TKK+05, gWjNfLyD20, YAK13, AJA+22, AFBT+22, BTS22, BAP+22, CLMR23, CNBD21, DFC+21, DCL+13a, EHFD12, FMM+20, FDB+21, Fro05, FYYC05, GLY23, GPC+03, HMX+23, HGB+21, HWF+21, JSA+08, JYK+14, LG22, MCB+10, MBD+09, PCR+22, dSSDS+20, SSW+09, TAW+15, TSNO05, VSGD21, YAK+08, YK+12, dMGS+11b, dMGS+11a]. **result** [KCPM09]. **resulting** [NP00, VTGC19]. **Results** [AUE+14, BBM+14, CGZ+16, FRK+09, HHP06, LFCSV+13, LGG18, MGF+13, RDL+91, RF17, SWP+13b, ZHF+24, ABM+05, ÁBMÁS14, ÁBMÁS15, CCM+13, CMG15, GAM98a, GA00, HNL14, JLS+22, Kag97, KNS+03, KY14, MR03, WO85, NCH+07, ÖHÜ89, SGLF+13]. **resuspension** [KYT+16, VSC01]. **retention** [BEP02, CKL+14, MMIB10, MCMT+17, RKCH15, RWOA01, YCP+12]. **retentive** [SMR+20]. **Rethinking** [CLSP17]. **retreat** [MOSN+13, WC15]. **retrieving** [WMB+18]. **Retrospective** [CHB02, CAT+08, PZA+15]. **retroversa** [MLB+20]. **returning** [CCS+21]. **reveal** [BD18, CNBD21, DOS+18, GIC20, HLP+16, HCV+20, LAGM+23, OMK+22,

SGF<sup>+19</sup>, SDO<sup>+14</sup>, TSAM<sup>+22</sup>, VGJ<sup>+19</sup>]. **revealed**  
 [BLP<sup>+20</sup>, BDL08, BMC<sup>+10</sup>, FFT<sup>+18</sup>, HLK13, HFO<sup>+22</sup>, HHZ<sup>+22</sup>, JM19,  
 LSM<sup>+22</sup>, MMF<sup>+17</sup>, MZZ<sup>+23</sup>, OYKK<sup>+23</sup>, PHD<sup>+18</sup>, SHC<sup>+06</sup>, SHC<sup>+07</sup>,  
 SKCP23, TM13, TMH<sup>+16</sup>, VOT<sup>+99</sup>, WST<sup>+21</sup>, XLX<sup>+20</sup>, YHZ<sup>+22</sup>, YAI<sup>+14</sup>].  
**reveals** [AGD<sup>+18</sup>, KSB<sup>+22</sup>, MFDH22, MDR20, MJD<sup>+21</sup>, PMM<sup>+23</sup>,  
 SRT<sup>+18</sup>, VMB<sup>+22a</sup>]. **reversal** [Emi65, gWjNfLyD20]. **Review**  
 [AMFY20, Ang79a, Ang80, Ang88, Bak83, BHK<sup>+19</sup>, Dri11, Hof81,  
 LCANAS<sup>+07</sup>, MR03, SW81, UBB<sup>+23</sup>, AALM06, Arb22, ACHSH08, BPF06,  
 BRD<sup>+15</sup>, BPGD<sup>+14</sup>, CTL<sup>+04</sup>, Cow05, DPB06, DMF<sup>+09</sup>, FÁFL06, FT06,  
 FL06, FK99, GCV<sup>+24</sup>, Gri22, GC14, Igu04, Kes06, KDB95, KPSB17, Kun03,  
 LR07, LRNK99, LFA<sup>+06</sup>, LCB18, LNB13, LB14, Man04, MPMA13, McK15,  
 MNM06, MHH<sup>+15</sup>, MB07, MMN<sup>+24</sup>, NXY15, POS<sup>+07</sup>, PMK<sup>+06</sup>, RBF<sup>+09</sup>,  
 RMHL09, SJA<sup>+23</sup>, Sim81, SPH<sup>+15a</sup>, Sol00, TDH<sup>+95</sup>, VH09a, VH09b,  
 VNH<sup>+23</sup>, WF06, WF07, WBA<sup>+22</sup>, WLL06]. **Reviewer** [Ano08y]. **Revised**  
 [MC88]. **revisited** [BMM01, Fei93, HLP<sup>+16</sup>, HNL14]. **Revisiting**  
 [CSC<sup>+12</sup>, EB08, ORCH<sup>+19</sup>]. **Revisits** [KMWF11]. **reworking** [SvWRvB02].  
**Rhône** [CFC<sup>+18</sup>, MBdM<sup>+18</sup>]. **Rhone** [PAG<sup>+18</sup>, PRL<sup>+18</sup>, SCCJ<sup>+18</sup>]. **Ria**  
 [BLT<sup>+15</sup>]. **rias** [VSP14]. **Rica** [SDS<sup>+22b</sup>]. **Rice** [Bil01]. **rich**  
 [IG19, SRT<sup>+18</sup>, TRLA<sup>+13</sup>]. **richness**  
 [BJMP19, BJMP20, CC23, JM19, JPBB20, MB20]. **Ricker** [McK08]. **Ridge**  
 [RCB<sup>+20</sup>, LvBS<sup>+24</sup>, CSR90, CSM<sup>+15</sup>, KAK<sup>+22b</sup>, MPM<sup>+18</sup>, SF85,  
 VMB<sup>+22a</sup>]. **ridley** [CdTH<sup>+16</sup>]. **Right**  
 [CPO<sup>+19</sup>, BMG<sup>+21a</sup>, GC09, LBC<sup>+23</sup>]. **ring** [Ban96]. **ringed** [CQC15].  
**ringens** [BDL08, CGC<sup>+20</sup>, EB08, FVLC<sup>+23</sup>, GRB<sup>+08</sup>, PCSMC12, PVA24,  
 SAY<sup>+16</sup>, YPGE<sup>+10</sup>]. **rings** [Nof96, PM22]. **Rio** [FBT<sup>+22</sup>]. **RiOMar**  
 [XLX<sup>+20</sup>]. **Rise** [BDC<sup>+08</sup>, FBT<sup>+22</sup>, Har05a, BHE<sup>+98</sup>, EFC<sup>+23</sup>, HHWW20,  
 KY23, Let87, MVS08, NF87, Tho87, HKE<sup>+10</sup>]. **risk**  
 [KFC<sup>+13</sup>, MPMFL<sup>+23</sup>, MCL<sup>+15</sup>]. **Risso** [SCB<sup>+09</sup>]. **River**  
 [BJ90, Ham90, JS90, JGS90, JSHB90, LSV14, LZG20, LDMH09, SJH<sup>+90</sup>,  
 SC90, SSM90a, SMM<sup>+90</sup>, WL16, ZLR<sup>+07</sup>, ZDG<sup>+21</sup>, AJHC19, CPPPEAG22,  
 HVRR15, HW02, HLS<sup>+14b</sup>, IVT<sup>+12</sup>, LCJ<sup>+17</sup>, Pra04, SLM<sup>+16</sup>, WF17,  
 XLX<sup>+20</sup>, EKB06, FMWW14, GdRGC<sup>+14</sup>, Ken88, LYZ16, McK08, MI21,  
 MSd<sup>+16</sup>, PAG<sup>+18</sup>, PRL<sup>+18</sup>, SMN<sup>+14</sup>, SCCJ<sup>+18</sup>, SSM<sup>+90b</sup>, SEO13, YAI<sup>+14</sup>].  
**River-dominated** [ZDG<sup>+21</sup>, XLX<sup>+20</sup>]. **river-influenced** [IVT<sup>+12</sup>].  
**Riverine** [OAD22, SVHM<sup>+13</sup>, BFJ18, SLBR18, CWW15]. **rivers** [PBB<sup>+20</sup>].  
**Rn** [Gam14]. **Robert** [WR03]. **Roberts** [SEO13]. **robusta** [vPRT90].  
**rochei** [KTIT22]. **rock** [LDAM<sup>+07</sup>, WOW<sup>+14</sup>]. **Rockall** [DDCE<sup>+23</sup>, GD85].  
**rockwalls** [CHG<sup>+18</sup>]. **rocky** [BWB<sup>+09</sup>, Con87, FSAO22, WLP<sup>+21</sup>]. **ROFI**  
 [MBdM<sup>+18</sup>]. **Roland** [JW01b, vWM02b]. **Role**  
 [CPG<sup>+18</sup>, FK86, Iwa23, JJJ<sup>+19</sup>, LZL<sup>+22</sup>, SRAV19, AFBT<sup>+22</sup>, ABC<sup>+99</sup>,  
 AHW<sup>+15</sup>, Ber65a, CRT<sup>+22</sup>, CNSHT15, DP18, DTKvH15, FRCH15,  
 GCG<sup>+14</sup>, GCD<sup>+99</sup>, HZCZ16, HGH<sup>+19</sup>, Hut95, IAN13, KYT<sup>+16</sup>, KSC10,  
 LDHW20, Mar03, MTC14, NJCD01, OOTA15, OKdA<sup>+19</sup>, PHK<sup>+17</sup>,  
 RBE<sup>+12</sup>, SGF<sup>+19</sup>, SBD01, SBBV04, SDS<sup>+22b</sup>, TCN20, TSAM<sup>+22</sup>, TR99,

TWAL<sup>+11</sup>, TSH<sup>+17</sup>, TCF<sup>+18</sup>, TPTM23, TCL<sup>+15</sup>, Val99b, VMN08, VMC<sup>+19</sup>, WSS15, XDG<sup>+23</sup>, YS15, Yos80]. **Roles** [MY23, NNM<sup>+21</sup>, EBM<sup>+20</sup>, KST03, NCC<sup>+15</sup>, Sie88]. **ROMS** [MAB<sup>+11c</sup>, MAB<sup>+11a</sup>, MAB<sup>+11b</sup>, NDEG22, ZCH<sup>+17</sup>]. **ROMS-CoSiNE** [ZCH<sup>+17</sup>]. **ropes** [IST<sup>+88</sup>]. **rose** [SCB<sup>+09</sup>]. **Ross** [PHC<sup>+19</sup>, SK18, SAT<sup>+22</sup>, ZPC<sup>+16</sup>]. **Rossby** [ABS<sup>+20</sup>, CSLJ03, Ham09, Tho77]. **rotating** [FHL<sup>+24</sup>, Sak86]. **rotation** [CR97]. **round** [DHD<sup>+23</sup>, LFCSV<sup>+13</sup>, LPARF<sup>+20</sup>, MGF<sup>+13</sup>, Woo18]. **route** [AG22, TSL10]. **rule** [JPM<sup>+08</sup>]. **rule-based** [JPM<sup>+08</sup>]. **Run** [KAH<sup>+16</sup>, HMX<sup>+23</sup>]. **runoff** [HVRR15, SGO<sup>+08</sup>]. **Russian** [Ang79a, EBD<sup>+20</sup>, Mar20, OT19]. **Ryukyu** [KKKS14, TMH<sup>+16</sup>].

**S** [Ang80, Dea85, PSP<sup>+21</sup>, APHGC<sup>+22</sup>, BHC<sup>+18</sup>, BM07, CPNL07, CFG07, CF12, EM12, FC07, GMAGH<sup>+17</sup>, GBC<sup>+00</sup>, GMAB07, GCD<sup>+13</sup>, HGT16, HGTP<sup>+19</sup>, HYM<sup>+12</sup>, JTD<sup>+14</sup>, MBKS08, MSL<sup>+07</sup>, MDL<sup>+12</sup>, MSV<sup>+14</sup>, MCGS<sup>+16</sup>, PMA<sup>+14</sup>, PTPY<sup>+23</sup>, QOS<sup>+22</sup>, RBL<sup>+19</sup>, RKFD07, SLG<sup>+12</sup>, SJM<sup>+19</sup>, TSRF14, VSGC21, ZHSMM14, dSPF<sup>+23</sup>]. **S-50°** [RKFD07]. **S-54°** [QOS<sup>+22</sup>]. **S.** [KLP<sup>+17</sup>]. **s.s** [GBG05]. **S.W.** [JGO<sup>+98</sup>]. **S0079** [SDS22a]. **S0079-6611** [SDS22a]. **Saanich** [TSC03]. **sablefish** [KMB01]. **sac** [SMPC<sup>+12</sup>]. **SADCP** [CGD<sup>+22</sup>]. **Sado** [JGO<sup>+98</sup>]. **safe** [SGL<sup>+18</sup>]. **saffron** [VMH<sup>+21</sup>]. **Sagami** [KFKO03, KKS<sup>+03</sup>, KNS<sup>+03</sup>, Kit03, MLD<sup>+03</sup>, NMK<sup>+03</sup>, NKK03, NMN08, SMN<sup>+13</sup>, SS03, Soh03, TMN<sup>+12</sup>]. **sagax** [DBR03, EBvdL<sup>+09</sup>, FELMGM<sup>+22</sup>, NMLBCM<sup>+01</sup>, ORPRGIS22, PVA24, YPGE<sup>+10</sup>]. **Sagitta** [FB05]. **Saharan** [LGG18]. **saida** [BF11, KSG<sup>+17</sup>, VMH<sup>+21</sup>]. **Sailfish** [RLL<sup>+09</sup>]. **sailing** [SSB14]. **Saint** [BMG<sup>+21b</sup>]. **Saint-Pierre-et-Miquelon** [BMG<sup>+21b</sup>]. **saira** [OOTA15, WCS<sup>+23</sup>, XYL<sup>+22</sup>]. **saion** [Ber65b]. **Sakhalin** [Nag01]. **saline** [NBHM01]. **salinities** [NPO<sup>+19</sup>, PVG<sup>+20</sup>]. **Salinity** [ANH21, BLAM98, BLAM00, DMML88, Leg91, USH15a, AR18, ATS01, APP21, Cox63, CGB07, Don94, ED82, FM07, Ham90, HHSR07, KKNT23, KC15, KSK21, Lav09, LSXT01, Mid69, MKS<sup>+22</sup>, MJWK07, NRA17, RCD<sup>+94</sup>, RKFD07, RG09, SDGVE17, SMKK21, SD07, Tom81b, UKM<sup>+14</sup>, VYGMM<sup>+17</sup>, Yao88, Yu23]. **salinity-depth** [ED82]. **Salish** [NHSP23, NHE<sup>+13</sup>, RNL<sup>+13</sup>, SOA<sup>+23</sup>, WHK23]. **Salmon** [DIQJ21, AHC<sup>+13</sup>, BM01, BL02, CCS<sup>+21</sup>, FMM<sup>+20</sup>, IOGS13, IHY<sup>+01</sup>, IAFD02, KBF<sup>+08</sup>, Kli10, McK08, MI21, SF02, SKSK06, Wai21, YWUK15]. **salmonids** [EKB06]. **Salpa** [GBH<sup>+20</sup>, LS12]. **salps** [IMM<sup>+22</sup>]. **salt** [EMK<sup>+17</sup>, Kun03, Sch03, SAH<sup>+21</sup>, YN03b]. **salt-finger** [YN03b]. **salt-fingering** [Kun03]. **salty** [War06]. **sampler** [SPH<sup>+15b</sup>]. **samplers** [Hop64]. **samples** [LB20, Soh03, TCL20]. **Sampling** [WH94, BCF<sup>+03</sup>, JJS03, JPBB20, LPA<sup>+11</sup>, MGF<sup>+13</sup>, MSA<sup>+22</sup>, Mol04, Reb02, RAB<sup>+84</sup>, SPC<sup>+23</sup>, SFAD<sup>+90</sup>, SWP<sup>+13b</sup>, SVIA14, TIOM16, VLUC<sup>+07</sup>, WZBK<sup>+21</sup>, ZNR<sup>+24</sup>]. **sampling-gear** [Reb02]. **San** [Hic92, WJE<sup>+92</sup>, Gor92]. **sand** [LTSG13, RHBS13, Sei63]. **sand-bank** [LTSG13]. **sand-transport** [Sei63].

**sandbank** [PC87]. **Sandy** [LC22]. **Santa** [AHW99, CJ92, Gor92, Hic92, LPA92, SPB<sup>+02</sup>, SC23, SE92, VK92, WRS<sup>+92</sup>, WJE<sup>+92</sup>]. **santolla** [BMN19]. **SAR** [VOT<sup>+99</sup>]. **Sardina** [BCGN<sup>+18</sup>, CCHV<sup>+21</sup>, SNV<sup>+18</sup>]. **Sardine** [BSC<sup>+07</sup>, SNV<sup>+18</sup>, BCT<sup>+09</sup>, BCGN<sup>+18</sup>, CCHV<sup>+21</sup>, CCM<sup>+14</sup>, DBR03, DPGC14, EBvdL<sup>+09</sup>, FELMGM<sup>+22</sup>, FRCH15, GSM<sup>+17</sup>, GCD<sup>+18</sup>, HMRB<sup>+03</sup>, HLS<sup>+14a</sup>, KYS<sup>+17</sup>, LLS01, MRBS<sup>+24</sup>, MPB<sup>+23</sup>, NMLBCM<sup>+01</sup>, ORPRGIS22, PVA24, Qiu15, RFC<sup>+15</sup>, SKH<sup>+23</sup>, SGWF<sup>+19</sup>, SYB<sup>+15</sup>, SBG<sup>+08</sup>, TOKLC08, VOG<sup>+08</sup>, VDB<sup>+20</sup>, YPGE<sup>+10</sup>]. **sardinella** [LPAF<sup>+20</sup>, DPGC14, SNR<sup>+10</sup>, TCF<sup>+18</sup>]. **sardines** [APC<sup>+12</sup>, MB01]. **Sardinops** [DBR03, EBvdL<sup>+09</sup>, FELMGM<sup>+22</sup>, NMLBCM<sup>+01</sup>, ORPRGIS22, PVA24, YPGE<sup>+10</sup>]. **Sargasso** [PPCWJ18]. **Sargassum** [JLP<sup>+20a</sup>, JLP<sup>+20b</sup>, PGG<sup>+22</sup>]. **Sarmatian** [Gal17]. **sars** [GS19]. **satellite** [iSIS02]. **Satellite** [HSS<sup>+12</sup>, SLM<sup>+16</sup>, SW12, AK97, CED09, CSS<sup>+19</sup>, FGR<sup>+06</sup>, GdRGL<sup>+01</sup>, GA00, HSMLDC<sup>+22</sup>, HMRA<sup>+03</sup>, HMRB<sup>+03</sup>, HZD<sup>+23</sup>, HMX<sup>+23</sup>, HHMB<sup>+09</sup>, KBSB18, LC16, LW13, LLX<sup>+21</sup>, MBdM<sup>+18</sup>, MVC<sup>+11</sup>, OMS<sup>+09</sup>, OP18, OÁT<sup>+05</sup>, PLK14, RRS03, RBS<sup>+09</sup>, SLH<sup>+19</sup>, SKCP23, SI97, TBS<sup>+19</sup>, TM13, Tho87, VNMS91, WCX<sup>+21</sup>, WLM07, WFS<sup>+15</sup>, WZC20, XYWY23, ZD17]. **Satellite-based** [HSS<sup>+12</sup>, HMX<sup>+23</sup>]. **satellite-derived** [HMRB<sup>+03</sup>, LLX<sup>+21</sup>, PLK14, SLH<sup>+19</sup>, ZD17]. **Satellite-measured** [SLM<sup>+16</sup>]. **satellite-observed** [HZD<sup>+23</sup>]. **satellite-tracked** [LC16]. **satellites** [KY14]. **saury** [OOTA15, WCS<sup>+23</sup>, XYL<sup>+22</sup>]. **SBE** [KSK21]. **scale** [AGD<sup>+18</sup>, ALM<sup>+23</sup>, ASB<sup>+08</sup>, BMK12, BGMP03, BRR<sup>+12</sup>, CNT<sup>+19</sup>, CMM<sup>+04</sup>, CTF07, CGC<sup>+20</sup>, CSS<sup>+19</sup>, CS03, CSC<sup>+12</sup>, CCS<sup>+21</sup>, CNBD21, DRVMC<sup>+22</sup>, DIM09, DIQJ21, DTKvH15, FBB<sup>+21</sup>, GRLS14, GBC<sup>+00</sup>, GGAA<sup>+23</sup>, GBC<sup>+16</sup>, GFB<sup>+15b</sup>, GFB<sup>+15a</sup>, GPC<sup>+03</sup>, GAS<sup>+22</sup>, HVTV22, HGBG20, HWB<sup>+18</sup>, IHT<sup>+21</sup>, IPD14, IMM<sup>+22</sup>, JLP<sup>+20a</sup>, JLP<sup>+20b</sup>, JHW<sup>+14</sup>, KLB<sup>+21</sup>, Kaz17, Kli10, LCB18, LMH<sup>+13</sup>, LSB<sup>+17</sup>, LSD<sup>+18</sup>, LBP15, LL21, MCB<sup>+90</sup>, MBH<sup>+23</sup>, MSA<sup>+22</sup>, MHCS<sup>+23</sup>, MZGA<sup>+20</sup>, MJA<sup>+07</sup>, MCH<sup>+12</sup>, NGLSSG14, NBLI20, OPL<sup>+21</sup>, PZA<sup>+15</sup>, RFFL21, RM89, RÁSG<sup>+13</sup>, RPSC22, SGWF<sup>+19</sup>, STEB16, SWP<sup>+13a</sup>, SPC<sup>+23</sup>, SSL08, SKSK06, SH09, SLPA<sup>+20</sup>, SDJ14, SJ02c, SJ02b, SMP07, TG05, UB10, VOG<sup>+08</sup>, VMB<sup>+22b</sup>, WCX<sup>+21</sup>, Whi95, YSY<sup>+19</sup>, YBPS08]. **scales** [BRR<sup>+22</sup>, BMO12, BMGN15, BGB<sup>+08</sup>, BBL<sup>+18</sup>, CIL<sup>+23</sup>, CMF11, EM12, FSVL10, GKC<sup>+14</sup>, GCED22, Kra82, MCD<sup>+07</sup>, MPSS91, OÁT<sup>+05</sup>, Ric01, SSW<sup>+09</sup>, Yos80]. **Scaling** [WZFW16, KHS<sup>+14</sup>, KSKN21]. **scallop** [CZG<sup>+21</sup>, GGJ<sup>+10</sup>]. **scanning** [PKA19]. **scarce** [BMN19]. **scattering** [GIC20, PMFNGQ21, PVB23, Peñ24, PO15, PNF<sup>+21</sup>, SLGI<sup>+21</sup>, SK91]. **scavenging** [CS89, GPA<sup>+11</sup>, HS22, HTV<sup>+20</sup>]. **scenario** [KKKY10, LSS<sup>+10</sup>, SPF<sup>+23</sup>, SYB<sup>+15</sup>, WAH<sup>+20</sup>]. **Scenarios** [BDT<sup>+08</sup>, BMG<sup>+21a</sup>, JBB<sup>+14</sup>, KHL12, NPO<sup>+19</sup>, SAd<sup>+17</sup>, Ste12, TMÁGC<sup>+21</sup>]. **scheduling** [HBD<sup>+18</sup>]. **schematic** [Ric08]. **scheme** [SBM91]. **schemes** [BMM97, YGC<sup>+21</sup>]. **Schoenefeldt** [SDS22a]. **School** [Bak01]. **School-mix** [Bak01]. **Schooling** [BGB<sup>+08</sup>, ANMP15, Mau17]. **Science**



[PBH<sup>+</sup>10, BCD<sup>+</sup>20, CSH<sup>+</sup>23, Car97b, HBD<sup>+</sup>21, MCB<sup>+</sup>10, RW97, SSB<sup>+</sup>20b, SJP10, CSH<sup>+</sup>23]. **sciences** [MCG<sup>+</sup>14]. **Scientific** [ALV<sup>+</sup>21, SPK<sup>+</sup>19, Ric01, Val99b, Zav99]. **scleractinian** [ALG<sup>+</sup>21]. **Sclerochronological** [RvBD<sup>+</sup>22]. **Scomber** [GiIKX22, TMÁGC<sup>+</sup>21]. **SCOR** [Ano94k]. **scorpaenid** [ORB<sup>+</sup>18]. **Scotia** [SCS<sup>+</sup>18, TSFA22]. **Scotian** [SPH<sup>+</sup>15a, SZG06]. **Scotland** [ZLZ<sup>+</sup>17]. **Scott** [GBG05]. **Scottish** [Fra69]. **Screening** [KHL12]. **SE** [GRDS10, LvIKB07, MCGS<sup>+</sup>16]. **Sea** [AQVB<sup>+</sup>10, BBM<sup>+</sup>14, BF12, CJMO87, CSV<sup>+</sup>07, CLD22, CÁM06, CQZ<sup>+</sup>18, CLG<sup>+</sup>22, CEF<sup>+</sup>13, Den87, Dev87, EMU<sup>+</sup>23, EHSI12, FGR<sup>+</sup>06, FCN<sup>+</sup>19, HBL<sup>+</sup>13, HMP<sup>+</sup>13, JYK<sup>+</sup>14, KK20, KGL22, KKK<sup>+</sup>04b, KKS<sup>+</sup>19, KS15, lLdZQ<sup>+</sup>22, LDHW20, Men21, NHN<sup>+</sup>21, Par86, PGT<sup>+</sup>13, PLN<sup>+</sup>23, Pre86, RCSA01, RN02, SCAA07, SIR<sup>+</sup>07, SCS<sup>+</sup>18, STG<sup>+</sup>18, SMP<sup>+</sup>22b, SNMW10, SDL<sup>+</sup>19, TCN20, TPP<sup>+</sup>00, WGZZ19, XLX<sup>+</sup>20, XCH<sup>+</sup>16, YSY<sup>+</sup>19, YHM<sup>+</sup>18, Yin88, ZLR<sup>+</sup>07, ZLC<sup>+</sup>15, ACB<sup>+</sup>13, AS20, AP20, ATS01, AS96, AAMB<sup>+</sup>24, Ano94k, AEPW93, BSC<sup>+</sup>19, Ban64, BRC<sup>+</sup>18, BTNK13, BCOL<sup>+</sup>19, BS90, BBB<sup>+</sup>21, Bil01, Bla63, BHC<sup>+</sup>18, BRG<sup>+</sup>23, BHPC06, BAB<sup>+</sup>19, BBRM20, Bre06, BGS<sup>+</sup>04, CDS90, CWZ<sup>+</sup>20, CKP<sup>+</sup>20, CDB<sup>+</sup>22, Car98, CGM<sup>+</sup>02, CMM<sup>+</sup>04, CPG08, CMF11, CF20, CJRÁ<sup>+</sup>13, CdTH<sup>+</sup>16, CAO<sup>+</sup>20, CMHM18, CGZ<sup>+</sup>16, CZG<sup>+</sup>21, CP19, CPSM20, Con87, CFML22, CFG07, CF12, DWH<sup>+</sup>14]. **sea** [DTOD00, DWFP<sup>+</sup>19, Dav85, DBW<sup>+</sup>22, DOS<sup>+</sup>18, Dem09, DLD<sup>+</sup>19, DPCS87, DLD15, DBJ<sup>+</sup>15, ECGP01, EAB<sup>+</sup>23, ESA<sup>+</sup>13, Eri65, FBD18, FARRL<sup>+</sup>13, FPJ<sup>+</sup>15, FACM<sup>+</sup>23, Fly10, FP15, FMCG15, FLUC08, FJH10, FJ19, FWL<sup>+</sup>15, GMDD<sup>+</sup>22a, GDL<sup>+</sup>15, GGJ<sup>+</sup>10, GBM<sup>+</sup>01, GDN<sup>+</sup>18, GMR<sup>+</sup>23, GM19, GvOSW11, GBB96, GD85, GF19, GVKD<sup>+</sup>13, GW89, GLLB22, HM90, HKN<sup>+</sup>14, HMRB<sup>+</sup>03, Har82, HS22, HJLLN07, HLCdP19, Her97, HT97, HHWW20, HPHW21, Hol00, hHCK01, HCV<sup>+</sup>20, HWBT03, HAH<sup>+</sup>22, IAN13, IHT<sup>+</sup>21, Iwa23, JM19, JP90, JKBH87, JSLA<sup>+</sup>21, KTN14, KON14, KKNT23, KDL<sup>+</sup>01, Koc65a, KFC<sup>+</sup>13, KMS<sup>+</sup>24, KSG<sup>+</sup>17, KGB<sup>+</sup>23, KG65, Kos93, LVGH<sup>+</sup>15, LSF<sup>+</sup>17, Let87, LSH<sup>+</sup>11, LGZ<sup>+</sup>20, LC22, LB20, LFBP<sup>+</sup>13, LRJ<sup>+</sup>15, MSC<sup>+</sup>15, MBP<sup>+</sup>11, MGS90, MKD90, MTC12, MGA<sup>+</sup>23, MEMP15, MST<sup>+</sup>23a, MHR<sup>+</sup>10, McK04, MM80, MOSN<sup>+</sup>13]. **sea** [Mit91, MMN12, MFM85, MM90, MKS<sup>+</sup>22, MSFZ19, MJD<sup>+</sup>21, MNFY21, MVS08, Mun69, NNFL21, NO14, NH88a, NF87, NAH<sup>+</sup>21, NST<sup>+</sup>23, ONR<sup>+</sup>14, Ola65b, OE65, OAB<sup>+</sup>16, OT19, OKdA<sup>+</sup>19, PPdM<sup>+</sup>12, PO00, Par63, PPHM18, PRA<sup>+</sup>18, Pir87, PDD<sup>+</sup>22, RGC<sup>+</sup>01, RCC<sup>+</sup>18, RD11, RCB<sup>+</sup>20, RBR<sup>+</sup>23, RSD<sup>+</sup>90, RCSHW22, SSB20a, SMFM<sup>+</sup>21, SDGVE17, SW92, ŠVL<sup>+</sup>15, ŠPM<sup>+</sup>22, Sha82, SAM<sup>+</sup>10, SENS13, SSI13, SC65, She65, SKF20, SFAD<sup>+</sup>90, SOO<sup>+</sup>14, SWP<sup>+</sup>13b, SEW11, SMGL01, Soh03, Sok90, SM16, SPN98, SPV<sup>+</sup>15, SRG<sup>+</sup>19, STR01, SCS87, TRY<sup>+</sup>04, TCS15, Tho87, Tho95, TSRF14, TSFA22, TTF<sup>+</sup>22, Tur65, TSP<sup>+</sup>13, VKGP<sup>+</sup>13, VBJ<sup>+</sup>20, VH09a, VH09b, VTGC19, Wal83, WO15, WLD<sup>+</sup>15, WGM<sup>+</sup>24, WBA<sup>+</sup>22, Web69, WHBW03, WC15, WPW<sup>+</sup>14, WST<sup>+</sup>16, Wüs64, XD95, XY20, YIY<sup>+</sup>04, YNTS22, YHRT22, YLL19, YHZ<sup>+</sup>22, YPM<sup>+</sup>10, YN20, YFY<sup>+</sup>22, YTL<sup>+</sup>19, YYK<sup>+</sup>12]. **sea** [YGMR<sup>+</sup>23, ZLG17a, ZLG17b, Zez90, ZPY<sup>+</sup>20, ZKK<sup>+</sup>16, dLPHF<sup>+</sup>15,

vHCY+20, vPRT90, AEP+23, ANH21, AIHB+07, ACB+13, AHP19, AJA+22, ACE+07, ACL+18, AAMB+24, ABS+20, ALG+21, AOMZ+23, AVS23, ADS+22, AVG+19, AT07, APC+21, BMK12, BSC+19, BPA+21, BTK+99, BNC05, BE99, BRC+18, BAARB05, BPNB90, Bea04, BBB+14, BMB+16, BSF+21, BSÖ+94, BGM+99, BD19, BTG+03, BDG+17, BFJ18, BBL+18, BRG+23, BPSGP+23, BHLU+07, BD18, BDC+08, BPM+14, BLC23, BBF+22, CGL+20, CDL19, CPB+15, CIL+23, CWZ+20, CDDF11, CGV13a, CGV13b, CGM+02, CFM+18, CMJPH+18, CMPNC+22, CBB+22b, CC88, CTL+04, CSW96, CLX+20, CCHV+21, CS03, Cho86, CBM+21, CLG+00, CLA+00, CS18, Cia22, CS16, CD65, CHSB+21, CFML22, CDP14, CHB02, CLL+18, CRC+19, Cow05, CP02, CGD+22, CJG88, DM13, DAvD+20, DSV99, DDE+95]. **Sea**  
 [DDDT99, DDP+00, DMD+00, DTOD00, DDD+00, DGP+13, DBC+23, DLD+19, DSC+19, DAU22, DVb+18, DZ04, Dol09, DFC+21, Dri11, DCL+13a, DFM+15, DL17, DGH+20, DHL+21, DCS+22, DTW+00, DWC06, DBM17, EMBS13, ERT+22, EBW+23, EFC+23, ESGP17, EGP+18, EBD+20, ESD+21, Eri65, FVA+19, FZY+23, FTC+16, FHP83, FDHT05, FvBA+17, FTG+18, FPY+16, FJ19, FMWW14, GCLD19, Gam14, GHF+21, GCCY+14, GMDD+22b, GSPP+20, GGT+15, GR85, GTB07, GDL+15, GPP22, GCZ+00, GCB+22, GLF+17, GWM+22, GCF+19, GMR+23, GSPMAI99, GBB+20, GFB+15b, GFB+15a, GRS08, GGA+16, GIPG17, GGG+18, GGSM+20, GTS+21, GCD+99, GC14, GLS08, GLLB22, HMTL05, HSG+15, HZD+23, HHY03, HMP+13, HRA+08, Hea12, HLM+13, HvDL+17, HKGH+06, HOY+21b, hHCK01, HPZC21, HHB+00, HTdM+15, HSH97, HLSX22, HHZ+22, HPNDC15, HWF+21, HS02, HMA18, ITM86, Igu04]. **Sea**  
 [ISM+02, IAFD02, IMW+14, INT14, Iwa23, JJL+19, JZZY24, JFUR20, JMZ23, JMG+13, JCF+23, JMSB+23, JVJ+17, KKK04a, KTN14, KON14, KWI20, KCL+12, KY15, KOT+21, KTIT22, KFC+23, KMS+24, KSB+22, KGB+23, KCBS20, KTB+99, KDB95, KBSB18, KAG+19, KHM+88, KAAK+16, KZD+19, LJM+16, LT06, LDAM+07, LTSG13, LRNK99, LSM+22, LML+23, Li14, LYZ16, LPS+19, LGZ+20, LBH+21, LZL+22, LYS+22, LRS+03, LNB13, LXC+22, LSXT01, LLH+20, LPF+21, LPW+23, LPBM17, LGH+21, LBC+15, LFBP+13, LWY07, LGD+20, LSW02, LDMH09, LBD11, LO85, MXC+21, MLL+22, MY23, MMG+13, MRM+14, MHGGS19, MRSS02, MGG22, MRMD+97, MGKW19, MMIB10, MGA+23, MB05, MZF+08, MPCNC+19, MEST13, MEMP15, MPD+22, MCD+07, MKHO96, MGC+18, MVC+11, Men21, MBB+96, MCGR07, MWJ+08, MZZ+23, MCKS17, MOSN+13, MSGGM18, MFY+86, Mil09, Mil14, Min02, MMG+11, MAFS+22]. **Sea**  
 [MSS+02, MKM86, MR03, MH14, MKS+22, MWFH02, Mos69, MEMC05, MLPN06, MKMF+89, MMN+24, MJWK07, NRS+19, NNFL21, NDEG22, NTU+14, NO14, NNM+21, NH88a, NXY15, NBG+05, NGLSSG14, NCC+15, NHSP23, NHE+13, NSE+24, NF06, NMY+14, NNO+14, Nof00, NRA17, ONR+14, OELP04, OEL+14, OÁT+05, ORMR+19, OPL+21, ÖÜT93, PIS13,

POS<sup>+07</sup>, PAG<sup>+18</sup>, PCD<sup>+18</sup>, PJS<sup>+22</sup>, PL18, PDV12, PPSVC<sup>+13</sup>, PPCWJ18, PDAM<sup>+15</sup>, PSM<sup>+22</sup>, PLB<sup>+23</sup>, PRA<sup>+18</sup>, PZA<sup>+15</sup>, PM85, PHC<sup>+19</sup>, PTG95, PST<sup>+02</sup>, PST<sup>+15</sup>, PDD<sup>+22</sup>, PKV18, PL09, PLP99, PBP<sup>+99</sup>, PTI00, PGG<sup>+22</sup>, QLW10, QLY<sup>+22</sup>, RM93, RKS01, RLDC<sup>+13</sup>, RCC<sup>+18</sup>, RDG<sup>+21</sup>, RCS<sup>+11</sup>, RBF<sup>+09</sup>, RGB<sup>+17</sup>, RKCH15, RDD<sup>+18</sup>, RTBR<sup>+22</sup>, RI86, RDC<sup>+21</sup>, RKM<sup>+07</sup>, Rog00, RNL<sup>+13</sup>, RDP<sup>+21</sup>, SLBR18, iSIS02, SGL<sup>+13</sup>, SCMAR<sup>+99</sup>, SVHM<sup>+13</sup>, SHP<sup>+23</sup>, SGA<sup>+19</sup>, SHd13, SN24, SDP<sup>+22</sup>, SM21, SPG<sup>+06</sup>]. **Sea** [SPB<sup>+12</sup>, Seg69, SMP<sup>+22a</sup>, SBH<sup>+14</sup>, SMN<sup>+14</sup>, SOH21, Sek86, Sek88, SCCJ<sup>+18</sup>, SGPdM18, SFK<sup>+99</sup>, SRAV19, SSTL16, SGS<sup>+23</sup>, SW12, SNZ<sup>+20</sup>, STHM02, SiSI<sup>+02</sup>, SOO<sup>+14</sup>, SBPGP<sup>+23</sup>, SDH<sup>+14</sup>, SAB<sup>+21</sup>, SEG<sup>+22b</sup>, SEG22a, Smi05, SM05, SK18, SAT<sup>+22</sup>, SIS<sup>+14</sup>, ŠGM<sup>+18</sup>, SKP99, SK21, SNMW10, SCT<sup>+00</sup>, SPB19, SDO<sup>+14</sup>, SOA<sup>+23</sup>, SGR<sup>+22</sup>, Sud86, Suk88, SÖÜ94b, SI97, TFY02, TM13, TII<sup>+14</sup>, TTL<sup>+04</sup>, TCDPP<sup>+22</sup>, TAF<sup>+22</sup>, TDGY22, TBK<sup>+99</sup>, TVT<sup>+23</sup>, TR99, TKW06, TKWI08, Tit20, Tol85a, Tol85b, TCF<sup>+18</sup>, TZP<sup>+00</sup>, TPM<sup>+00</sup>, TCL<sup>+15</sup>, Tur99, UNN<sup>+14</sup>, VGM<sup>+23</sup>, VHV<sup>+12</sup>, VCB<sup>+00</sup>, VKDS<sup>+18</sup>, VKT15, VR03, VJJ<sup>+22</sup>, VH09a, VH09b, VKJ<sup>+23</sup>, VBA<sup>+18</sup>, VBAC<sup>+21</sup>, VHK03, VHK04, WFH<sup>+22</sup>, WD94, gWjNfLyD20, WST<sup>+21</sup>, WLCG23, WFD<sup>+07</sup>, WYT00, WRH<sup>+06</sup>, WHT86, WNNI21, WHBK05, WHI<sup>+02</sup>, WHK23, WGG<sup>+08</sup>, WHS<sup>+23</sup>, WL16, WZC20, XWL<sup>+18</sup>, XDG<sup>+23</sup>, XHC<sup>+20</sup>, YYT<sup>+14</sup>, YIY<sup>+04</sup>]. **Sea** [YKS<sup>+12</sup>, YMI88, YNTS22, YNM<sup>+02</sup>, YLL19, YGC<sup>+21</sup>, Yao88, YJS86, YJ88, Yas07b, Yas07c, YAI<sup>+14</sup>, YYK88, YPM<sup>+10</sup>, Yux88, ZGB<sup>+20</sup>, Zav99, ZMCD11, ZLS<sup>+04</sup>, ZGZ19, ZZPL18, ZDG<sup>+21</sup>, ZK06, ZMW<sup>+23</sup>, ZDM<sup>+20</sup>, ZSY<sup>+22</sup>, ZZWL06, ZSW<sup>+22</sup>, ZPC<sup>+16</sup>, dPAJ07, dIGFM<sup>+23</sup>]. **sea-air** [OKdA<sup>+19</sup>]. **sea-going** [SWP<sup>+13b</sup>]. **sea-ice** [BRG<sup>+23</sup>, DWFP<sup>+19</sup>, Hol00, KGB<sup>+23</sup>, LSH<sup>+11</sup>, MGA<sup>+23</sup>, TRY<sup>+04</sup>, WC15, YGMR<sup>+23</sup>]. **sea-ice-free** [WO15]. **Sea-level** [CJMO87, Den87, Dev87, Con87, DPCS87, JKBH87, Let87, NF87, Pir87, SAM<sup>+10</sup>, SCS87, Tho87]. **sea-surface** [KKNT23, MFM85, SRG<sup>+19</sup>]. **sea-to-air** [ZPY<sup>+20</sup>]. **seabed** [BMNW01, CDB<sup>+24</sup>, DJW<sup>+18</sup>, DHB<sup>+21</sup>]. **Seabight** [RTN90, VBJ<sup>+20</sup>]. **seabird** [AH10, FDB<sup>+21</sup>, HGBG20, KFH<sup>+15</sup>, MCD<sup>+14</sup>, SWP<sup>+13a</sup>, SWZS<sup>+21</sup>, SIB<sup>+06</sup>, STGR<sup>+23</sup>]. **seabirds** [BPF06, DWNN04, UGY<sup>+22</sup>, WMB<sup>+21</sup>]. **seafloor** [LBK<sup>+01</sup>, RGPB<sup>+23</sup>, TDL<sup>+17</sup>, ZCA21, ZCLS20]. **seafood** [PG10]. **Seaglider** [BKD<sup>+20</sup>]. **seal** [CQC15, FGS<sup>+23</sup>, GPEV20, HBG<sup>+21</sup>]. **Seals** [BHMS09, CdD<sup>+15</sup>, DMBHG10, FJH10, LVGH<sup>+15</sup>, LSF<sup>+17</sup>, LAP10, MSC<sup>+15</sup>, NRS<sup>+19</sup>, NBLI20, PHC<sup>+19</sup>, RNL<sup>+13</sup>]. **Seamount** [CDL<sup>+22</sup>, HNRP<sup>+19</sup>, TDK<sup>+16</sup>, GPP22]. **seamounts** [ATC<sup>+19</sup>, HFNG00, PMG15, XWL<sup>+22</sup>, Gri22]. **SEAPODYM** [HLS<sup>+14a</sup>, LSM08]. **SEAPODYM-SP** [HLS<sup>+14a</sup>]. **search** [SF85]. **Seas** [KPM<sup>+23</sup>, LW13, PO00, BEH19, CAB<sup>+18</sup>, CTA16, CBOP15, CQC15, DPB06, DJ92, DRD<sup>+07</sup>, DCL<sup>+13a</sup>, EAL<sup>+07</sup>, FBS<sup>+18</sup>, FSVL10, HBL<sup>+13</sup>, HOY<sup>+21a</sup>, HSC<sup>+16</sup>, HHB<sup>+22</sup>, IU14, KJZ<sup>+12</sup>, Leg91, LBP<sup>+21</sup>, LSH<sup>+11</sup>, MTC12, MHVS19, NYH<sup>+22</sup>, Pra97, PB94, PCBA<sup>+20</sup>, SCC14, SVIA14,

SPWH21, TLH<sup>+15</sup>, TLP<sup>+16</sup>, WZFW16, WGZZ19, WTH12, YN20, ZKT88, AHSS22, APC<sup>+12</sup>, BS95, BGV<sup>+23</sup>, CM11, CBB<sup>+15</sup>, CCW<sup>+18</sup>, FJhT<sup>+14</sup>, FMCG15, FWL<sup>+15</sup>, GCFS06, HVRR15, HØ00, HØH<sup>+03</sup>, HKN<sup>+14</sup>, HKPV12, JJA<sup>+08</sup>, KK20, KFH<sup>+15</sup>, LMW<sup>+12</sup>, LCJ<sup>+17</sup>, LC16, LCJ<sup>+07</sup>, LLX<sup>+21</sup>, MSC<sup>+15</sup>, MRO<sup>+08</sup>, MM01, NBHM01, OMR<sup>+22</sup>, OACA20, PBB<sup>+12a</sup>, PBB<sup>+12b</sup>, RAB<sup>+11</sup>, SBK<sup>+95</sup>, Sei63, SH09, SK21, SAH<sup>+21</sup>, Ste91, SYN<sup>+21</sup>, SBS90, WMC<sup>+89</sup>, WDC<sup>+11</sup>, YS15]. **Seascape** [FG16, PVB23]. **Seascape-level** [FG16]. **seascapes** [KHS<sup>+14</sup>]. **season** [Ber65b, BF11, CTF07, Ken88, KMSTK23, LOO22, MHCR<sup>+12</sup>, MA12, SW01, TII<sup>+14</sup>, WO15]. **Seasonal** [ACB<sup>+13</sup>, ADS<sup>+22</sup>, AKH<sup>+23</sup>, BMK12, BSC<sup>+19</sup>, BCOL<sup>+19</sup>, BMC05, BRG<sup>+23</sup>, BDBJ01, BPM<sup>+14</sup>, CNT<sup>+19</sup>, CWZ<sup>+20</sup>, CDB<sup>+22</sup>, CGMP14, CÁM06, CVBG21, CLL<sup>+18</sup>, CFG07, DDD<sup>+00</sup>, DBW<sup>+22</sup>, DZ04, DK07, ESD<sup>+21</sup>, EHG<sup>+07</sup>, GMDD<sup>+22a</sup>, GSVB23, GWM<sup>+22</sup>, GA10, GDSCU09, GSPMAI99, GLLB22, HPC<sup>+20</sup>, HHB<sup>+00</sup>, HTdM<sup>+15</sup>, HDB13, JAS<sup>+20</sup>, Joh04, KFKO03, KLB<sup>+21</sup>, KC15, KFH<sup>+15</sup>, KZD<sup>+19</sup>, LC12, LC16, LW12, LvIKB07, Lon95, MLB<sup>+20</sup>, MGA<sup>+23</sup>, MCGR07, MC15, MH14, NHSP23, PV07, PCM11, PFW15, PDD<sup>+22</sup>, SMR<sup>+20</sup>, SCS<sup>+18</sup>, SvWRvB02, SAB<sup>+21</sup>, SHC<sup>+06</sup>, SHC<sup>+07</sup>, SPV<sup>+15</sup>, SOA<sup>+23</sup>, TBS<sup>+19</sup>, TOiF<sup>+12</sup>, TRLA<sup>+13</sup>, VGM<sup>+23</sup>, VAGMDRS22, VBC<sup>+20</sup>, WGZZ19, XWW<sup>+21</sup>, YIY<sup>+04</sup>, YKS<sup>+12</sup>, YGC<sup>+21</sup>, YN20, YBPS08, AC85, BAM<sup>+09</sup>, BRB<sup>+01</sup>, BMM01, BHLU<sup>+07</sup>, CIL<sup>+23</sup>, CGC<sup>+20</sup>, CSS<sup>+21</sup>, CMHM18, CLG<sup>+00</sup>, CLMR23, DMD<sup>+00</sup>, DTOD00, DOS<sup>+18</sup>, DRE<sup>+08</sup>, DAF<sup>+22a</sup>, DAF<sup>+22b</sup>, EALF08, EBW<sup>+23</sup>]. **seasonal** [EBR<sup>+14</sup>, FC07, FTSF21, FDHT05, FKZ<sup>+15</sup>, FCN<sup>+19</sup>, GR17, GBC<sup>+16</sup>, GCED22, KSVT00, KP03, KKNT23, KMS<sup>+24</sup>, KSP<sup>+23</sup>, KRL<sup>+22</sup>, LZL<sup>+22</sup>, LW13, LO85, MT99, MCD<sup>+07</sup>, MW96, PCSMC12, PJS<sup>+22</sup>, PD15, PLJR22, PTI00, SKH<sup>+23</sup>, SSQ19, SSVP00, Sek88, SNZ<sup>+20</sup>, SPB<sup>+02</sup>, SBD<sup>+07</sup>, STW<sup>+15</sup>, SM16, SJ02c, SJM<sup>+19</sup>, TSC03, TSH<sup>+17</sup>, TSP<sup>+13</sup>, UPPS<sup>+21</sup>, VAEP24, Ver92, WSL20, WZBK<sup>+21</sup>, WCN<sup>+05</sup>, WDK<sup>+01</sup>, Woo18, XWL<sup>+18</sup>, XLX<sup>+20</sup>, XDG<sup>+23</sup>, ZHF<sup>+24</sup>, NKK03]. **Seasonal-to-decadal** [KLB<sup>+21</sup>, MCD<sup>+07</sup>]. **Seasonal-to-interannual** [JAS<sup>+20</sup>]. **Seasonality** [AOMZ<sup>+23</sup>, AVS23, HHK<sup>+22</sup>, HWBT03, JCF<sup>+23</sup>, LGZW22, PFHM16, RDC<sup>+21</sup>, RCSHW22, SHP<sup>+23</sup>, SAd<sup>+17</sup>, Ban96, BE99, GGJ<sup>+10</sup>, JMSB<sup>+23</sup>, MGE<sup>+12</sup>, RGC<sup>+01</sup>, SLBVRR<sup>+22</sup>, SBE<sup>+20</sup>, TB15, TMPM<sup>+16a</sup>, TSS<sup>+12</sup>, ZBRJ23]. **seasonally** [CTA16, CBB<sup>+22c</sup>, HAH<sup>+22</sup>, MBP<sup>+11</sup>, WHS<sup>+23</sup>]. **seasons** [SM05, ZSBL00]. **Seawater** [Due77, AdAK<sup>+18</sup>, AYH<sup>+23</sup>, Fei93, FH95, Fei03, Fei04, FM07, GTR01, GLLB22, LGG18, SBBV04, TGR05, YNTS22, ZBY<sup>+22</sup>]. **seaweeds** [GNH19, NHG19]. **SeaWiFS** [HM00b, WM13, YKS<sup>+12</sup>]. **Sebastiano** [SMB88, Sie88, Bru88]. **second** [LSW02]. **secondary** [LSH<sup>+11</sup>, LQU07, MTK<sup>+22</sup>, PAM<sup>+88</sup>, SEW11, YHRT22]. **Secrets** [JPB20, BW08]. **section** [MLS<sup>+15</sup>]. **sections** [Man69, MDR22, STPHM<sup>+23</sup>, Sel65]. **sector** [AMY<sup>+23</sup>, Don65, MCL<sup>+15</sup>, MST<sup>+23a</sup>, NST<sup>+23</sup>, SSN23, VMA<sup>+24</sup>]. **sectors**

[LO07, TAF<sup>+</sup>22]. **Secular** [CR20]. **Sediment** [CS06, DGGdR02, DCL<sup>+</sup>13b, EMU<sup>+</sup>23, PPdM<sup>+</sup>12, RMB<sup>+</sup>01, Sai65, SCMAR<sup>+</sup>99, AS20, BEI<sup>+</sup>20, BPTT19, CDS90, CJMO87, CB17, DXH<sup>+</sup>02, FC07, FMH02, GSV<sup>+</sup>01, HMKF08, HHK<sup>+</sup>02, JGO<sup>+</sup>98, KCL<sup>+</sup>12, LJ65, LCJ<sup>+</sup>07, LvIKB07, MXC<sup>+</sup>21, ML09, MDL<sup>+</sup>12, NIF<sup>+</sup>15, PGLG<sup>+</sup>05, RF17, RLR<sup>+</sup>18, SLBR18, SvWRvB02, Sha82, SSSL16, SFAD<sup>+</sup>90, TCDPP<sup>+</sup>22, TWBC<sup>+</sup>13, VK90, VPW01, VOJD02b, VB14, WCB20a, Whe06, YYK88, dJSL<sup>+</sup>20, vWHdS<sup>+</sup>98, vWdSBdH02]. **sediment-starved** [TCDPP<sup>+</sup>22]. **sediment-water** [SvWRvB02]. **Sedimentary** [CVHM<sup>+</sup>18, KGdS<sup>+</sup>08, SC90, Bol94, DJG<sup>+</sup>02, Ike88, JGS90, JFG<sup>+</sup>90, JWD<sup>+</sup>02, KNS<sup>+</sup>03, Kit03, ORR<sup>+</sup>02, RWD01]. **sedimentation** [Ber65c, DOP87, HK65, JS87, JWD<sup>+</sup>02, KKS<sup>+</sup>03, KB65, PPSV<sup>+</sup>18]. **sedimentation-rate** [PPSV<sup>+</sup>18]. **sedimenting** [BPNB90]. **Sedimentological** [CLA<sup>+</sup>00]. **sediments** [AJV<sup>+</sup>02, BPP<sup>+</sup>98, BGS<sup>+</sup>04, CLV<sup>+</sup>19, CJRÁ<sup>+</sup>13, CPNL07, CFC<sup>+</sup>18, CBD<sup>+</sup>24, Cow05, CJ92, DMD<sup>+</sup>00, DTOD00, DVL<sup>+</sup>99, ECGP01, Emi65, EvdZSH02, Eri65, GMAB07, GGA<sup>+</sup>05, GGE<sup>+</sup>65, HVTV22, Hay65, KKS<sup>+</sup>03, KPM<sup>+</sup>23, Koc65a, KKS<sup>+</sup>19, LYZ16, LXC<sup>+</sup>22, MNFY21, MSL<sup>+</sup>07, Nay65, OE65, OB98, PCD<sup>+</sup>18, PPSVC<sup>+</sup>13, PRL<sup>+</sup>18, RSB<sup>+</sup>01, RGC<sup>+</sup>01, RBL<sup>+</sup>19, SPF<sup>+</sup>23, SGL<sup>+</sup>13, SGF<sup>+</sup>19, SLG<sup>+</sup>12, SOH21, She65, SGO<sup>+</sup>08, TPM<sup>+</sup>00, Wis65, YSY<sup>+</sup>19, YAI<sup>+</sup>14, ZHBW01, vWHdS<sup>+</sup>98]. **Seeding** [ST10]. **SEEDS** [AYK<sup>+</sup>05, NKK<sup>+</sup>05, SSH<sup>+</sup>05, TT05, TKK<sup>+</sup>05, TNS<sup>+</sup>05, YFY05]. **SEEDS2001** [KIS<sup>+</sup>05, TSNO05]. **seen** [KRL08, XYGJ23]. **seep** [GLV12, JFG<sup>+</sup>90, LZF<sup>+</sup>24, MCB<sup>+</sup>90, OSH<sup>+</sup>96]. **segregation** [PNF<sup>+</sup>21]. **SEIBM** [CMS<sup>+</sup>13]. **Selected** [BHM<sup>+</sup>15, BC01]. **selection** [BVJE19, BPW10, CCHV<sup>+</sup>21, Sma10a, Sma10b, WSO<sup>+</sup>13]. **selective** [GBM<sup>+</sup>01, WHBW03]. **selectivity** [CNT<sup>+</sup>19, HWBT03]. **Selensky** [UKK<sup>+</sup>19]. **self** [CDDF11, RRS03]. **self-organizing** [RRS03]. **self-oscillations** [CDDF11]. **selliformis** [VMV<sup>+</sup>23]. **semelparous** [BSF<sup>+</sup>21]. **semi** [BLT<sup>+</sup>15]. **semi-enclosed** [BLT<sup>+</sup>15]. **Semidiurnal** [RPSVLS14, WGM<sup>+</sup>24, JFUR20, ZQWP23]. **Senegalese** [TGJT09]. **Sense** [CSH<sup>+</sup>23]. **sensed** [CTMV<sup>+</sup>14, HMO<sup>+</sup>13, XLX<sup>+</sup>20]. **Sensing** [KPSB17, ARD<sup>+</sup>03, BBE<sup>+</sup>15, BPGD<sup>+</sup>14, BTJ<sup>+</sup>17, JST<sup>+</sup>24, KY14, KC02, McK15, iSIS02, SMGL01, Tho87, WMB<sup>+</sup>18, dlGFM<sup>+</sup>23]. **sensitive** [Tur99]. **Sensitivities** [LK13]. **Sensitivity** [HWPLvW20, KM08, MMG<sup>+</sup>13, OAB<sup>+</sup>16, SCHD23, BRG<sup>+</sup>15, BFPS06, BHHR15, HPS<sup>+</sup>01, MAB<sup>+</sup>11b, SBMB18]. **sensor** [BRR<sup>+</sup>12, MVC<sup>+</sup>11, iSIS02]. **sensors** [FRV<sup>+</sup>19, KSK21, KHM<sup>+</sup>88, MSMH19]. **sentinel** [DLJ<sup>+</sup>21, HGBG20]. **separation** [GWGR<sup>+</sup>19, LMM03, ORCH<sup>+</sup>19, PMH17, SRF<sup>+</sup>19, TG05]. **September** [Ano65i, Ano13g, Ano20b, GCZ<sup>+</sup>00, Ano07p, Ano08t, Ano08v, Ano09k, Ano09l, Ano10m, Ano12k, Ano13o, Ano14l, Ano15q, Ano16r, Ano17p, Ano19p, Ano21t, Ano22-34, Ano23t]. **sequential** [DTC<sup>+</sup>06, ORVES17]. **Sergei** [Ang79a]. **series** [AT07, BSFM<sup>+</sup>12, BAOM<sup>+</sup>12, Co069, CNBD21, EHFD12, FTSF21, HFS<sup>+</sup>20, HLM<sup>+</sup>13, HFO<sup>+</sup>22, LQU07, MGE<sup>+</sup>12, MGF<sup>+</sup>13, MAH<sup>+</sup>15, MFDH22, MVC<sup>+</sup>11,

MMG<sup>+11</sup>, MA12, NCH<sup>+07</sup>, NIF<sup>+15</sup>, ORVES17, PB07, SS69, UPPS<sup>+21</sup>, VLUC<sup>+07</sup>, VBL<sup>+21</sup>, VDGGD<sup>+22</sup>, WSO<sup>+13</sup>, Whe06, XCH<sup>+16</sup>, dPAJ07]. **Serrano** [LSV14]. **set** [DHL<sup>+21</sup>, KMOM88]. **Seto** [YFY<sup>+22</sup>]. **setting** [DVL<sup>+99</sup>, Gor92, WC15]. **Settling** [TSC03, KHC<sup>+99</sup>, KSR<sup>+01</sup>, SCT<sup>+00</sup>]. **Setúbal** [KGdS<sup>+08</sup>]. **seven** [BHLU<sup>+07</sup>, YNMY23]. **seventies** [Leg91]. **several** [aHFS92]. **Severe** [MAFS<sup>+22</sup>]. **Sex** [SS03, PWZ<sup>+16</sup>]. **shadow** [SMR<sup>+20</sup>]. **Shallow** [PMG15, Ta108, ATC<sup>+19</sup>, DP18, GBB96, LAGM<sup>+23</sup>, MGG22, MSV<sup>+14</sup>, SCHBC<sup>+22</sup>, SDS02, SDS22a, SPN98, WLP<sup>+21</sup>, XD95]. **Shallow-water** [PMG15, GBB96, LAGM<sup>+23</sup>, WLP<sup>+21</sup>]. **shape** [JBB<sup>+14</sup>, RSW<sup>+23</sup>, RSMIS03, RAG<sup>+19</sup>, TKC<sup>+22</sup>, ZPC<sup>+16</sup>]. **shaped** [LdSH<sup>+15</sup>, PMA<sup>+14</sup>]. **shapes** [BMG<sup>+19</sup>]. **Shaping** [PVB23, GBT<sup>+19</sup>, JJA<sup>+17</sup>]. **shark** [HNSP<sup>+19</sup>, ON22]. **sharks** [Jac10]. **shear** [AR18, OC06, SS17, Zen08]. **sheared** [CSLJ03]. **shearing** [IST<sup>+88</sup>]. **Shearwater** [SSB14]. **shearwaters** [YSS14]. **shed** [Nof96]. **sheets** [Ber65a]. **Shelf** [GMDD<sup>+22b</sup>, JOBT05, WAH<sup>+20</sup>, XD96, ANH21, ÁSDB<sup>+01</sup>, AJV<sup>+02</sup>, BHA<sup>+14</sup>, BHAJ12, BAOC<sup>+07</sup>, BASS<sup>+20</sup>, BCP09, Bum73, CKP<sup>+20</sup>, CDB<sup>+22</sup>, CMC<sup>+16</sup>, CTA16, CZG<sup>+21</sup>, CBOP15, CSG<sup>+15</sup>, CM18a, CS06, CDP14, CFG07, CP02, CCH<sup>+12</sup>, DM13, DWH<sup>+14</sup>, DMD<sup>+00</sup>, DTOD00, DBW<sup>+22</sup>, DKRL22, DW02, DJG<sup>+02</sup>, DGGdR02, DCRR<sup>+22</sup>, DFC<sup>+21</sup>, DCL<sup>+13b</sup>, ESA<sup>+13</sup>, FZY<sup>+23</sup>, FJA<sup>+21</sup>, FMWW14, GMDD<sup>+22a</sup>, GMAB07, GRD<sup>+23</sup>, GGG<sup>+18</sup>, GHG<sup>+24</sup>, GEP<sup>+08</sup>, Ham87, HHK<sup>+22</sup>, HVTV22, HWLT10, HHH<sup>+12</sup>, HPZC21, HAH<sup>+22</sup>, Hut81, Hut87, Hut92, Hut95, HHK<sup>+02</sup>, HHB<sup>+22</sup>, IAN13, IG19, JCIG18, JMSB<sup>+23</sup>, JGO<sup>+98</sup>, JWD<sup>+02</sup>, KSVT00, KMS<sup>+24</sup>, KVLA06, KHM<sup>+88</sup>, KDF97, LM18, LLL<sup>+11</sup>, LCBN14, LSH<sup>+11</sup>, LFC<sup>+15</sup>, LBH<sup>+21</sup>, LCJ<sup>+07</sup>, LZG20, LGH<sup>+21</sup>, LHEB98, LMM03, MZ14, MIN<sup>+20</sup>, MB07, MR03, MH14, MWFH02, MLPN06, MSL<sup>+07</sup>, NSE<sup>+24</sup>, NAH<sup>+21</sup>, ON05, ONR<sup>+14</sup>, ORR<sup>+02</sup>, OVR<sup>+02</sup>, OC06]. **shelf** [PMC21, PJS<sup>+22</sup>, PL89, PHC<sup>+19</sup>, PDD<sup>+22</sup>, Pra97, PdMS<sup>+13</sup>, RCC<sup>+18</sup>, RWOA01, RGMPR23, RAE<sup>+05</sup>, RCSHW22, SHP<sup>+23</sup>, SENS13, SSI13, SMP<sup>+22b</sup>, SBD<sup>+07</sup>, SSL07, SNMW10, SVIA14, SPW22, SCB<sup>+16</sup>, SÖÜ94b, TCN20, TNC<sup>+09</sup>, TLH<sup>+15</sup>, TLP<sup>+16</sup>, TPM<sup>+00</sup>, TSP<sup>+13</sup>, UNN<sup>+14</sup>, VEM<sup>+21</sup>, VOJD02a, VOJD02b, WWL<sup>+22</sup>, WSL20, WGM<sup>+24</sup>, WYT00, Whe06, WC15, YMI88, YSY<sup>+19</sup>, YGC<sup>+21</sup>, YCP<sup>+12</sup>, YJS86, ZCA21, ZAC<sup>+23</sup>, ZMW<sup>+23</sup>, ZBRJ23, dPCS23, CTKF<sup>+23</sup>, FKH<sup>+13</sup>, GF97, HMP<sup>+13</sup>, Hic92, KFM<sup>+17</sup>, LNB13, LW12, LDHW20, MPD<sup>+22</sup>, PHK<sup>+17</sup>, PMC21, PCM11, PLN<sup>+23</sup>, SMP<sup>+22b</sup>, SZG06, SPH<sup>+15a</sup>, SBPGP<sup>+23</sup>, Tol85a, TPTM23, WGZZ19, ZLR<sup>+07</sup>]. **shelf-break** [CMC<sup>+16</sup>, LMM03, OC06]. **Shelf-slope** [JOBT05, LHEB98, MB07]. **shelf-water** [ZAC<sup>+23</sup>]. **shelfbreak** [HHP06, LPS<sup>+19</sup>]. **shell** [MLB<sup>+20</sup>, OE65]. **Shelled** [JMZ23, AOMZ<sup>+23</sup>]. **shellfish** [CAH<sup>+22</sup>]. **shells** [IPHW<sup>+23</sup>]. **shelves** [BD18, CBC<sup>+06</sup>, CW06, HBL<sup>+13</sup>, HKGH<sup>+06</sup>, MHH<sup>+15</sup>, MB07, Was06, WC15]. **Shift** [RF17, XYK<sup>+22</sup>, Bea04, CHB02, DRVMC<sup>+22</sup>, Dri06, FAH<sup>+13</sup>, INI<sup>+17</sup>, IIM<sup>+23</sup>, IIS<sup>+17</sup>, PM13, SSVPO0, SE08, SE09, SKH00, SKT01, TCN20, TKW06, TKWI08]. **shifts** [AN04, AHW<sup>+15</sup>, BHAJ12, BMG<sup>+21a</sup>, BDC<sup>+08</sup>,

CALS<sup>+23</sup>, CAT<sup>+08</sup>, CRS04, CS04, EiIT<sup>+22</sup>, FPS<sup>+13</sup>, HM00a, HMWM00, HPB<sup>+09</sup>, HDZY15, iIRM<sup>+15</sup>, KJZ<sup>+12</sup>, KFM<sup>+17</sup>, Law04, LO21, LM14, LHF<sup>+16</sup>, Man04, MP04, OIC<sup>+23</sup>, ORMB08, Qiu15, RS04, SvN04, Ste04, SM16, TOKLC08, VBL04, WXH07, WZ04, YTNK00, ZLKO00, dHA<sup>+04</sup>. **Ship** [DPR<sup>+18</sup>, GdRGL<sup>+01</sup>, SGR<sup>+22</sup>]. **Ship-based** [DPR<sup>+18</sup>]. **ship-borne** [SGR<sup>+22</sup>]. **shipboard** [WFS<sup>+15</sup>]. **shipping** [DN07]. **ships** [SPH<sup>+15b</sup>]. **shoaling** [PFW15]. **shore** [CCD<sup>+13</sup>, JIT<sup>+01</sup>, LMM03, Pra91]. **shoreface** [Let87]. **Short** [AVK91, BC91, BGM<sup>+01</sup>, BF01, CB91, CJMI<sup>+91</sup>, MIW91, PWMIM91, RÁSG<sup>+13</sup>, TMN<sup>+12</sup>, Ver91, WP91, CSMGS19, DLM<sup>+12</sup>, FB01, Fre07, JSA<sup>+08</sup>, SGL<sup>+18</sup>, Sie69]. **short-beaked** [SGL<sup>+18</sup>]. **Short-term** [AVK91, BC91, BGM<sup>+01</sup>, BF01, CB91, CJMI<sup>+91</sup>, MIW91, PWMIM91, RÁSG<sup>+13</sup>, TMN<sup>+12</sup>, Ver91, WP91, CSMGS19, DLM<sup>+12</sup>, FB01, JSA<sup>+08</sup>]. **short-time** [Sie69]. **SHOTS** [APSC11]. **show** [PCR<sup>+22</sup>]. **shrimp** [CPG08, CMF11, CHSB<sup>+21</sup>, PpS21, SCB<sup>+09</sup>, TGJT09]. **Si** [PHK<sup>+17</sup>]. **Siberian** [DCS<sup>+22</sup>, KPM<sup>+23</sup>]. **Sicily** [BMC05, BFB<sup>+20</sup>, OAB<sup>+16</sup>]. **side** [CBL<sup>+19</sup>, RZW<sup>+23</sup>]. **sidescan** [SW92]. **signal** [Mol04, RKS01, SJ02a]. **signals** [BPSGP<sup>+23</sup>, FG16, SD07, Szu12]. **signature** [DCS<sup>+22</sup>, MVS08, VSGC21, YGL<sup>+10</sup>]. **Signatures** [KiL14, CZW<sup>+22</sup>, CSC<sup>+12</sup>, CDP14, OPH<sup>+24</sup>, PRL<sup>+18</sup>, QOS<sup>+22</sup>, RAG<sup>+19</sup>, VKGP<sup>+13</sup>, WRS<sup>+92</sup>]. **significance** [AS88, GDI<sup>+09</sup>, KSE<sup>+09</sup>, LRW<sup>+15</sup>, MGS90, Nie07, OB98]. **Significant** [WSC<sup>+21</sup>, DBR20, ZPY<sup>+20</sup>]. **significantly** [CBL<sup>+19</sup>, PBB<sup>+20</sup>]. **silica** [CWZ<sup>+20</sup>, GTR01, KYT<sup>+16</sup>, RGC<sup>+01</sup>, TRP<sup>+23</sup>, TGR05, WSC<sup>+21</sup>]. **silicate** [LCR<sup>+93</sup>]. **silicates** [Ros65]. **Siliceous** [SLG<sup>+12</sup>]. **Silicic** [TSRF14, TRP<sup>+23</sup>]. **Sill** [Zen08]. **Similar** [GGQ07, VPM<sup>+19</sup>]. **Similarities** [KTIT22]. **Similarity** [HMPZ11, RLP<sup>+18</sup>]. **Simple** [GLS08, KKK04a, KKO10, RLC85, Zez90]. **simplicity** [Fly03]. **simplify** [RSG06]. **Simulated** [FYYC05, TFM03, Hea12, RKCH15, SGWF<sup>+19</sup>, WWSJ07, YFY05]. **Simulating** [BSH<sup>+20</sup>, JB15, PST<sup>+15</sup>, PGG<sup>+22</sup>, VDS<sup>+18</sup>, HLK13, RM93, Woo05]. **Simulation** [UNN<sup>+14</sup>, APC13, AR18, Ché14, CJMI<sup>+91</sup>, DRE<sup>+08</sup>, Har05a, RDL<sup>+91</sup>, SEW11, TS10, VSA<sup>+21</sup>, WDC<sup>+11</sup>]. **Simulations** [MSF<sup>+07</sup>, LC22, MHGGS19, Men21, RMK<sup>+21</sup>, ZCD08]. **Simultaneous** [DDJ<sup>+21</sup>]. **Since** [ALV<sup>+21</sup>, DYL<sup>+15</sup>, HHWW20, HMKF08, TAF<sup>+22</sup>]. **single** [EGP<sup>+18</sup>, GASV<sup>+09</sup>]. **single-cell** [GASV<sup>+09</sup>]. **Sinica** [Ang86]. **sinicus** [NMN08]. **Sink** [GGT<sup>+15</sup>, CMF15, MHS<sup>+20a</sup>, MHS<sup>+20b</sup>, MKOLA20]. **sinking** [IL20, KSP<sup>+23</sup>, LFBP<sup>+13</sup>, MLD<sup>+03</sup>, MLL<sup>+15</sup>, NMK<sup>+03</sup>, SPB<sup>+02</sup>, VDP<sup>+01</sup>, VKJ<sup>+23</sup>, YYK88]. **sinks** [SE16]. **sinuosity** [MHR<sup>+10</sup>]. **sinus** [RPRCAG<sup>+21</sup>]. **siphonophores** [BLCL14, LSIC12, Pug84]. **sister** [GBG05]. **Site** [SIB<sup>+06</sup>, BEI<sup>+20</sup>, BTS<sup>+15b</sup>, BKD<sup>+20</sup>, CLL<sup>+18</sup>, GSV<sup>+01</sup>, GHL15, GBB96, HFO90, KVNT20, MMG<sup>+11</sup>, OAD22, RWD01, TAW<sup>+15</sup>, Tho77, XCH<sup>+16</sup>, ZHSMM14]. **Site-specific** [SIB<sup>+06</sup>]. **sites** [HG04, MHCS<sup>+23</sup>, WSO<sup>+13</sup>]. **situ**

[BGR<sup>+15</sup>, FRV<sup>+19</sup>, GA00, ORMR<sup>+19</sup>, PSP<sup>+21</sup>, SSH<sup>+05</sup>, SPK<sup>+19</sup>, SHS<sup>+05</sup>, SNS<sup>+22</sup>, TT05, WZFW16, WFS<sup>+15</sup>, dIGFM<sup>+23</sup>, ASR<sup>+20</sup>, CDS90, FGR<sup>+06</sup>, HMO<sup>+13</sup>, KP5A17, LKDL14, NIF<sup>+15</sup>, SFAD<sup>+90</sup>, SAT<sup>+22</sup>, TSAM<sup>+22</sup>].

**situation** [BTNk13]. **situations** [LSM<sup>+22</sup>]. **Six** [YTL<sup>+19</sup>, BSFM<sup>+12</sup>, SEG<sup>+22b</sup>]. **Size** [ATT<sup>+08</sup>, IL20, SSN23, SEG22a, WSS15, ARD<sup>+03</sup>, AJA<sup>+22</sup>, AV23, BM01, BTJ<sup>+17</sup>, CNT03, CTI<sup>+19</sup>, DAF<sup>+22a</sup>, DAF<sup>+22b</sup>, DFH<sup>+16</sup>, DHB<sup>+21</sup>, FEGA<sup>+14</sup>, FDE<sup>+22</sup>, GCCY<sup>+14</sup>, GDN<sup>+18</sup>, GGAA<sup>+23</sup>, GWK17, GSSWK20, GGA<sup>+16</sup>, HEF<sup>+12</sup>, HHMB<sup>+09</sup>, HVEF09, IOGS13, IAFD02, JTD<sup>+14</sup>, KRL<sup>+22</sup>, LC12, LBH<sup>+21</sup>, LHC<sup>+19</sup>, LLX<sup>+21</sup>, LLGS21, MBdM<sup>+18</sup>, MRAP22, MRBS<sup>+24</sup>, MFS<sup>+07</sup>, MSF<sup>+07</sup>, MPB<sup>+23</sup>, MMPG07, NGLL<sup>+22</sup>, PPSVC<sup>+13</sup>, Peñ03b, PS98, QPR03, RSW<sup>+23</sup>, RB20, SPSV<sup>+20</sup>, SE92, Sok90, TSBS18, UAM05, VFS<sup>+15</sup>, WSC<sup>+21</sup>, WJPHB15, XHW<sup>+20</sup>]. **size-**[ARD<sup>+03</sup>, SPSV<sup>+20</sup>]. **size-abundance** [GGAA<sup>+23</sup>]. **Size-based** [WSS15, WJPHB15]. **Size-fractionated** [SSN23, BTJ<sup>+17</sup>, FEGA<sup>+14</sup>, JTD<sup>+14</sup>, LHC<sup>+19</sup>, XHW<sup>+20</sup>]. **Size-fractioned** [SEG22a]. **size-sinking** [IL20]. **size-specific** [HHMB<sup>+09</sup>]. **size-structure** [CTI<sup>+19</sup>]. **size-structured** [HEF<sup>+12</sup>, MFS<sup>+07</sup>, MSF<sup>+07</sup>, NGLL<sup>+22</sup>]. **sized** [KT04, RLGC10]. **sizes** [MCT03]. **sizing** [CTP<sup>+18</sup>]. **Skagerrak** [Sva65]. **skate** [BECA22]. **skates** [ECFT20]. **skipjack** [KAK<sup>+22a</sup>, PGS<sup>+22</sup>, SSL08]. **sled** [JPBB20]. **sledge** [LB20]. **sliding** [KHM<sup>+88</sup>, XYWY23]. **sliding-window-threshold** [XYWY23]. **Slope** [DCD<sup>+23</sup>, TPTM23, ACL<sup>+18</sup>, BHE<sup>+98</sup>, BHPC06, BPC<sup>+05</sup>, CB06, CGM<sup>+02</sup>, CMF<sup>+09</sup>, CS06, CFML22, CP17, DW02, FBR<sup>+13</sup>, FLdST98, GGG<sup>+18</sup>, HM98, HDM19, HFW<sup>+98</sup>, Hut87, Hut92, IVR<sup>+13</sup>, JOBT05, KSVT00, KFC<sup>+13</sup>, LPS<sup>+19</sup>, LHEB98, LFCSV<sup>+13</sup>, LSIB23, MB07, PPdM<sup>+12</sup>, PCD<sup>+18</sup>, PL89, RGPB<sup>+23</sup>, RCSVGP<sup>+16</sup>, SGO<sup>+08</sup>, SPB19, TCDPP<sup>+22</sup>, TRLA<sup>+13</sup>, dWDB<sup>+98</sup>, vHVAT22, RDP<sup>+21</sup>]. **slopes** [CTR<sup>+19</sup>, FBD18, GD85, KKS<sup>+18</sup>]. **slurry** [SL13]. **Small** [BCL<sup>+09</sup>, LLAPG<sup>+22</sup>, POS<sup>+07</sup>, PAB<sup>+21</sup>, PS98, BRR<sup>+12</sup>, BAP<sup>+22</sup>, BFV<sup>+17</sup>, CSS<sup>+19</sup>, DPH<sup>+18</sup>, DHHP18, FFS<sup>+20</sup>, GRD<sup>+23</sup>, IPD14, PRTC13, RFC<sup>+15</sup>, SGF<sup>+19</sup>, SCD<sup>+07</sup>, SLBVRR<sup>+22</sup>, SLOP<sup>+22</sup>, SPC<sup>+23</sup>, SPK<sup>+22</sup>, SSV<sup>+11</sup>, TCF<sup>+18</sup>, VCSG<sup>+01</sup>, ZJZ<sup>+21</sup>]. **small-scale** [BRR<sup>+12</sup>, CSS<sup>+19</sup>]. **smart** [NHS<sup>+14</sup>]. **Smith** [WR03]. **smolt** [IOGS13]. **snow** [AS88, BCD<sup>+20</sup>, IL20, MGKW19, TSAM<sup>+22</sup>, Tur15]. **snowdrift** [Ber65a]. **snowmelt** [NNFL21]. **SNU** [HLK13]. **SOAR** [MS15]. **soaring** [Ric15, Sac16]. **SOCCOM** [SJA<sup>+23</sup>]. **social** [Dav99, Jac10, PBO10, PM13]. **Societal** [RAB<sup>+11</sup>, KA94]. **Society** [CSH<sup>+23</sup>]. **socio** [GRDS10]. **socio-economic** [GRDS10]. **socketeye** [McK08, MI21]. **SOFAR** [Owe91, Ric93]. **Soft** [GGSM<sup>+20</sup>, QOS<sup>+22</sup>]. **soft-bottoms** [QOS<sup>+22</sup>]. **software** [GPAB<sup>+16</sup>]. **Sognefjord** [SST<sup>+17</sup>]. **solar** [Ång65, HYM<sup>+12</sup>]. **sole** [LDAM<sup>+07</sup>, TTMM<sup>+17</sup>]. **Solea** [TTMM<sup>+17</sup>]. **Solenogastres** [BHB<sup>+19</sup>]. **Solitary** [PM85, GC14, HHZ<sup>+22</sup>, NP00, VB14, XDG<sup>+23</sup>, XHC<sup>+20</sup>, YHZ<sup>+22</sup>]. **soliton**



[BPSGP<sup>+</sup>23]. **Solomon** [CGD<sup>+</sup>22]. **soluble** [BJ17, DVB<sup>+</sup>18, WRS<sup>+</sup>92]. **solute** [LTSG13]. **solutions** [HHAR23, KN10, KN11, TDH<sup>+</sup>95]. **Somali** [Sch83]. **Some** [Car97a, Eme65, Eri65, Sva65, WO85, Ano86a, Ano87a, Ano89a, GBM<sup>+</sup>01, Mid69, Wil87, Wis65]. **Somniosus** [ON22]. **SONar** [GDN<sup>+</sup>18, SW92]. **Sonne** [SKF20]. **Sørfjord** [MPN09]. **Sound** [RN06, PNF<sup>+</sup>21, CCS<sup>+</sup>21, SKGS20, SCB<sup>+</sup>16, USH15b]. **sounders** [ZZPL18]. **soundscape** [EVM<sup>+</sup>15, PS23]. **Soundscapes** [MGG22]. **Source** [dCFK17, TLF<sup>+</sup>89, WMC<sup>+</sup>89, DJW<sup>+</sup>18, DBJ<sup>+</sup>15, HMS<sup>+</sup>22, KBF<sup>+</sup>08, MXC<sup>+</sup>21, SMN<sup>+</sup>14, SHC<sup>+</sup>06, SHC<sup>+</sup>07, UKM<sup>+</sup>14, WWL<sup>+</sup>22]. **sourced** [TCDDPP<sup>+</sup>23]. **Sources** [BMG<sup>+</sup>21b, CdMS<sup>+</sup>18, CBD<sup>+</sup>24, FTG<sup>+</sup>18, JJR<sup>+</sup>08, JAJ08, BSF95, CFC<sup>+</sup>18, GLV12, KSS<sup>+</sup>23, SF85, SE16, TSC03, WRS<sup>+</sup>92, YAK13, ZGZ19]. **sous** [Bou65]. **sous-marins** [Bou65]. **South** [CAH<sup>+</sup>22, DRE<sup>+</sup>08, FBT<sup>+</sup>22, HWF<sup>+</sup>21, KMF<sup>+</sup>20a, PFE10, TSFA22, TPP<sup>+</sup>00, ATC<sup>+</sup>19, CWB<sup>+</sup>22, Hen85, Ike88, MAAS<sup>+</sup>00, SCLG<sup>+</sup>11, SDGVE17, SPW22, TMKJ<sup>+</sup>09, WGM<sup>+</sup>24, YHZ<sup>+</sup>22, YCP<sup>+</sup>12, ARD<sup>+</sup>03, ABD<sup>+</sup>17, ÁSÁB<sup>+</sup>14, ÁBMÁS14, ÁBMÁS15, AFH<sup>+</sup>11, APP21, BMdMS<sup>+</sup>21, BWB<sup>+</sup>09, BTS22, CGL<sup>+</sup>20, CWZ<sup>+</sup>20, CKM<sup>+</sup>21, CSW96, CLX<sup>+</sup>20, CMF15, Cra09, CKL<sup>+</sup>14, DFC<sup>+</sup>21, DGH<sup>+</sup>20, DHL<sup>+</sup>21, EMK<sup>+</sup>17, GDM<sup>+</sup>20, GC14, HMRA<sup>+</sup>03, HZD<sup>+</sup>23, HMPZ11, HKY<sup>+</sup>11, HPZC21, HLSX22, HHZ<sup>+</sup>22, IIM<sup>+</sup>23, JFG<sup>+</sup>90, KHD22, KMF<sup>+</sup>20b, LvBS<sup>+</sup>24, Li14, LYZ16, LGZ<sup>+</sup>20, LBH<sup>+</sup>21, LZL<sup>+</sup>22, LYS<sup>+</sup>22, LLH<sup>+</sup>20, LGD<sup>+</sup>20, MXC<sup>+</sup>21, MCD<sup>+</sup>14, MBH<sup>+</sup>23, MZZ<sup>+</sup>23, MSA<sup>+</sup>22, NXY15, OKdA<sup>+</sup>19, PJS<sup>+</sup>22, PS91, PG10, PAF<sup>+</sup>11, QLW10, QLY<sup>+</sup>22, RFFL21, Rei86, Rei89, RDC<sup>+</sup>21, STC10, SDGVE17, SJP10, SSTL16, SMP07, TBK<sup>+</sup>99, Tom81a, VCM04, WWL<sup>+</sup>22, gWjNfLyD20, WST<sup>+</sup>21, WMWR08, WL16, WZC20, XWL<sup>+</sup>18, XLX<sup>+</sup>20, XHC<sup>+</sup>20, YGC<sup>+</sup>21, Yao88, ZZPL18, ZDG<sup>+</sup>21]. **South** [ZMW<sup>+</sup>23, ZDM<sup>+</sup>20, ZSW<sup>+</sup>22, YJW88]. **south-central** [YCP<sup>+</sup>12]. **south-eastern** [SCLG<sup>+</sup>11, TMKJ<sup>+</sup>09]. **south-west** [CWB<sup>+</sup>22, SPW22, CKL<sup>+</sup>14]. **South-Western** [PFE10, ATC<sup>+</sup>19]. **southeast** [BPSN<sup>+</sup>21, DBRK17, JJA<sup>+</sup>13, LHF<sup>+</sup>16, SJ02a, FZ88, FHG03, FMM<sup>+</sup>20]. **southeastern** [AIHB<sup>+</sup>07, ABS<sup>+</sup>20, CP02, DBM17, FLUC08, GCB<sup>+</sup>22, HZCZ16, HS02, LDAM<sup>+</sup>07, Lie86, MWFH02, WD94, AG22, BHH<sup>+</sup>16, dFKdLZTT17]. **Southern** [CPO<sup>+</sup>19, DMBHG10, FTG<sup>+</sup>18, SCS<sup>+</sup>18, SC23, ZHD<sup>+</sup>20, ALG<sup>+</sup>21, AVK91, BC91, BHA<sup>+</sup>14, BTK<sup>+</sup>99, BMC17, BHAJ12, BCGN<sup>+</sup>18, BMN19, CFM<sup>+</sup>18, CB91, CLG<sup>+</sup>00, CLA<sup>+</sup>00, CJMI<sup>+</sup>91, CdD<sup>+</sup>15, CS04, DBC<sup>+</sup>18, DYL<sup>+</sup>15, ES07, EHG<sup>+</sup>07, EM12, FCN<sup>+</sup>19, GHVG19, GLPC23, HE07, HEF<sup>+</sup>12, HOY<sup>+</sup>21a, Igu04, JTQ<sup>+</sup>18, KTN14, KKS<sup>+</sup>18, KTIT22, KGdS<sup>+</sup>08, KVLA06, LVGH<sup>+</sup>15, LSF<sup>+</sup>17, LJPGC02, LO21, LMC<sup>+</sup>20, LGH<sup>+</sup>21, LFCSV<sup>+</sup>13, LB02, MERB12, MMES16, MB07, MIW91, MMF<sup>+</sup>12, MH14, MTH<sup>+</sup>10, MHCR<sup>+</sup>12, MA12, MMN<sup>+</sup>24, MSL<sup>+</sup>07, NRS<sup>+</sup>19, NMC<sup>+</sup>09, OSH<sup>+</sup>96, PMMN<sup>+</sup>22, PRA<sup>+</sup>18, PWMIM91, PVV23, RFSCF19, RBNJ<sup>+</sup>12, RSM<sup>+</sup>23, RBS<sup>+</sup>09,

SLM<sup>+16</sup>, SCMAR<sup>+99</sup>, SE08, SE09, SMPC<sup>+12</sup>, SAd<sup>+17</sup>, SKP99, SJM<sup>+19</sup>, SHT<sup>+01</sup>, TAF<sup>+22</sup>, TFM03, VAEP24, Ven12, Ver91, WP91, WHK23, YNTS22, ZLC<sup>+15</sup>, ZSY<sup>+22</sup>, AMY<sup>+23</sup>, AH80, APSC11, ASC92, ABP<sup>+23</sup>, Ban65].

**Southern** [BN03, BLES16, CBB<sup>+22a</sup>, CFML22, Don65, DIM09, DPF<sup>+20</sup>, Epp92, FPJ<sup>+15</sup>, FACM<sup>+23</sup>, GWB14, GPA<sup>+11</sup>, GCZ<sup>+00</sup>, GLF<sup>+17</sup>, GWGR<sup>+19</sup>, GBH<sup>+20</sup>, GVKD<sup>+13</sup>, GMDS20, GLLB22, HVTV22, HSLG11, HFK03, hHRW<sup>+05</sup>, HVEF09, HPH<sup>+08</sup>, JE92, KF11, KMMC09, KC15, KMWF11, LSV14, LOG<sup>+09</sup>, LPA<sup>+11</sup>, LdSH<sup>+15</sup>, LS15, LLS01, MR06, MST<sup>+23a</sup>, MFS<sup>+16a</sup>, MFS<sup>+16b</sup>, MKOLA20, MJD<sup>+21</sup>, MCMT<sup>+17</sup>, MVS08, MCH<sup>+12</sup>, Nof03, NST<sup>+23</sup>, PPVG12, PPKR14, PO15, PL09, RVS<sup>+21</sup>, SJA<sup>+23</sup>, SSN23, TTF<sup>+22</sup>, TAH<sup>+11</sup>, UCB<sup>+18</sup>, VKGP<sup>+13</sup>, VMA<sup>+24</sup>, WWW<sup>+23</sup>, WMWR08, WTT14, ZPY<sup>+20</sup>, ZBY<sup>+22</sup>]. **southward** [SOO<sup>+14</sup>].

**Southwest** [CBM<sup>+21</sup>, GCS91, GRdSS<sup>+22</sup>, HFW<sup>+98</sup>, JJA<sup>+17</sup>, MZ14, USH15a, WLM<sup>+13</sup>, BH85, HHR<sup>+19</sup>, HM08, JJA<sup>+17</sup>, WVN<sup>+99</sup>, ZQWP23].

**southwestern** [AVG<sup>+19</sup>, ASR<sup>+20</sup>, CTL<sup>+04</sup>, IMW<sup>+14</sup>, MFA<sup>+15</sup>, PTP<sup>+22</sup>, TTF<sup>+22</sup>, DMC<sup>+18</sup>, EBM<sup>+21</sup>, LMT<sup>+19</sup>]. **sp** [AM19, BC19, GA01, HLS<sup>+14a</sup>].

**Space** [MPSS91, Ang88, MKMF<sup>+89</sup>]. **Spain** [BAOC<sup>+09</sup>, ÁSFP<sup>+03</sup>, Ano09h, BFH01, BAOM<sup>+12</sup>, EAL<sup>+07</sup>, HHB<sup>+01</sup>, LMP22, RWOA01, RÁSG<sup>+13</sup>, VSPP14]. **Spanish** [DAKV99, JW01a, ORW<sup>+01</sup>, SGL<sup>+18</sup>, TIOM16, VBL<sup>+21</sup>]. **spanning** [MJC<sup>+17</sup>]. **sparse** [SVIA14]. **Spatial** [BMO12, BAOM<sup>+12</sup>, CRHM12, CCW<sup>+18</sup>, ESGP17, EM12, FJA<sup>+21</sup>, FFT<sup>+18</sup>, GXX<sup>+22</sup>, GMAB07, GBC<sup>+16</sup>, GHG<sup>+24</sup>, HRA<sup>+08</sup>, Igu04, IVR<sup>+13</sup>, IU14, JZZY24, JYK<sup>+14</sup>, KSP<sup>+23</sup>, KRL<sup>+22</sup>, LT06, LSY<sup>+14</sup>, LZL<sup>+22</sup>, LYS<sup>+22</sup>, LCGH07, LLX<sup>+21</sup>, MERB12, MPSD15, MTC14, OSH<sup>+96</sup>, PPSV<sup>+18</sup>, PCBA<sup>+20</sup>, RCF<sup>+13</sup>, SLM<sup>+16</sup>, SFS<sup>+12</sup>, SPB<sup>+12</sup>, SSTL16, SEG<sup>+22b</sup>, SEG22a, SBE<sup>+20</sup>, TvW98, TSBS18, TIOM16, VEM<sup>+21</sup>, WM13, WTT14, WL16, YMK<sup>+04</sup>, AMFY20, AGD<sup>+18</sup>, BRR<sup>+22</sup>, BSC<sup>+19</sup>, BBE<sup>+03</sup>, BDT<sup>+08</sup>, BDL08, BGB<sup>+08</sup>, CNT<sup>+19</sup>, CDH<sup>+13</sup>, CDB<sup>+22</sup>, CMM<sup>+04</sup>, CMF11, CDL<sup>+22</sup>, DA<sub>v</sub>D<sup>+20</sup>, DA<sub>v</sub>D<sup>+21</sup>, DCRR<sup>+22</sup>, DDCE<sup>+23</sup>, DAIS10, DK07, ESD<sup>+21</sup>, FBD18, FHP83, FPIJ85, FSVL10, FTG<sup>+18</sup>, GKC<sup>+14</sup>, GLH13, GTS<sup>+21</sup>, HHK<sup>+22</sup>, Her88, HEF<sup>+12</sup>, HKPV12, HPW10, ISM<sup>+02</sup>, IFC<sup>+07</sup>, IHR18, JFG<sup>+90</sup>, JBB<sup>+14</sup>, KM10, KFH<sup>+15</sup>, KMWF11, Leh01, LSM08, LO21, MRM<sup>+14</sup>, MZF<sup>+08</sup>, MHS<sup>+09</sup>, MCT03, NCC<sup>+15</sup>]. **spatial** [NHSP23, OPG<sup>+10</sup>, OPH<sup>+24</sup>, ORB<sup>+18</sup>, OAM00, PWZ<sup>+16</sup>, PHD<sup>+18</sup>, PS98, RKC<sup>+10</sup>, iSIS02, STB<sup>+92</sup>, SK18, SMPC<sup>+12</sup>, TKK<sup>+05</sup>, WPH<sup>+10</sup>, XWL<sup>+18</sup>, XRC<sup>+15</sup>, XNT<sup>+17</sup>, YN20, dLLdAWL<sup>+23</sup>, BDB<sup>+04</sup>]. **Spatial/temporal** [Igu04]. **spatialized** [Mau10]. **Spatially** [LLS01, BDL08, CMS<sup>+13</sup>, RBNJ<sup>+12</sup>]. **Spatially-explicit** [LLS01, CMS<sup>+13</sup>]. **spatially-structured** [RBNJ<sup>+12</sup>]. **Spatio** [BFV<sup>+17</sup>, GBT<sup>+19</sup>, GGA<sup>+05</sup>, HvDL<sup>+17</sup>, HLD<sup>+21</sup>, HVEF09, LFC<sup>+15</sup>, MDB<sup>+20</sup>, Min00, ŠGM<sup>+18</sup>, TS10, WHK23, YPVP<sup>+22</sup>, BBB<sup>+21</sup>, BSC<sup>+07</sup>, CGG08, CSC<sup>+12</sup>, ERT<sup>+22</sup>, GRD<sup>+23</sup>, GFB<sup>+15b</sup>, GFB<sup>+15a</sup>, JFUR20, JHW<sup>+14</sup>, LSB<sup>+17</sup>, LSD<sup>+18</sup>, MSC<sup>+15</sup>, SLH<sup>+19</sup>, SJLW23]. **Spatio-temporal**

[BFV<sup>+</sup>17, GBT<sup>+</sup>19, GGA<sup>+</sup>05, HvDL<sup>+</sup>17, HLD<sup>+</sup>21, LFC<sup>+</sup>15, MDB<sup>+</sup>20, Min00, ŠGM<sup>+</sup>18, TS10, WHK23, YPVP<sup>+</sup>22, BBB<sup>+</sup>21, BSC<sup>+</sup>07, CGG08, CSC<sup>+</sup>12, ERT<sup>+</sup>22, GFB<sup>+</sup>15b, GFB<sup>+</sup>15a, JFUR20, JHW<sup>+</sup>14, LSB<sup>+</sup>17, LSD<sup>+</sup>18, MSC<sup>+</sup>15, SLH<sup>+</sup>19, SJLW23]. **Spatiotemporal** [AHP19, AOMZ<sup>+</sup>23, CAH<sup>+</sup>22, HHP10, PTP<sup>+</sup>22, SDO<sup>+</sup>14, DIQJ21, LG22, LS15]. **Spawning** [BFB<sup>+</sup>20, HLP<sup>+</sup>16, MMD<sup>+</sup>16, dFKdLZTT17, AQVB<sup>+</sup>10, BSF<sup>+</sup>21, BSC<sup>+</sup>07, DPGC14, FP03, FCN<sup>+</sup>19, GGJ<sup>+</sup>10, HLS<sup>+</sup>14a, JSdSS<sup>+</sup>21, KKKY10, KMF<sup>+</sup>20a, KMF<sup>+</sup>20b, LC12, PDAM<sup>+</sup>15, PFE10, RLL<sup>+</sup>09, RDP<sup>+</sup>21, SMP<sup>+</sup>12, TOKLC08]. **speaking** [Ang79a]. **Special** [FJhT<sup>+</sup>14, LM10, MSI17, SBB<sup>+</sup>14, BZD<sup>+</sup>21, Dol09, HWB<sup>+</sup>18, NMN08, RW97, SGPdM18, Ver91]. **speciation** [GWGR<sup>+</sup>19, LTJ<sup>+</sup>15]. **specie** [MIW91]. **Species** [Ant09, BJ90, FTHK19, Kam19, SM21, ARD<sup>+</sup>03, AP20, AQVB<sup>+</sup>10, ASB<sup>+</sup>08, BJMP19, BJMP20, BC19, CES<sup>+</sup>19, CC23, CBOP15, DAF<sup>+</sup>22a, DAF<sup>+</sup>22b, EGP<sup>+</sup>18, FKH<sup>+</sup>13, GTB07, GKR20, GS19, GPP22, GBG05, GM19, GA01, GMDS20, GAS<sup>+</sup>22, HSG<sup>+</sup>15, HCV<sup>+</sup>20, HLD<sup>+</sup>21, Igu04, IS19, JM19, JZ19, JGB20, JOGM<sup>+</sup>10, JLRB20, JG90, JPBB20, KSVT00, KFM<sup>+</sup>17, KT04, KGdS<sup>+</sup>08, KDB95, LMPB<sup>+</sup>16, LML<sup>+</sup>23, LAGM<sup>+</sup>23, LS15, Mar20, Mil88, MAFS<sup>+</sup>22, MSFZ19, NHG19, NKK<sup>+</sup>05, PMG15, PRC<sup>+</sup>20, PMH17, PD15, PTPY<sup>+</sup>23, PVA24, RLGC10, RK20, RVC<sup>+</sup>13, RF17, SSB19, SPF<sup>+</sup>23, SWP<sup>+</sup>13a, SEG<sup>+</sup>22b, Sma10a, Sma10b, SJD10, SBE<sup>+</sup>20, SL13, TPRS10, THM<sup>+</sup>14, TSFA22, UKK<sup>+</sup>19, VCSG<sup>+</sup>01, Wil65, WSH15, WJPHB15, YGL<sup>+</sup>10, ZMCD11, ZSY<sup>+</sup>22]. **species-based** [WJPHB15]. **species-level** [LMPB<sup>+</sup>16]. **Species-specific** [Ant09]. **specific** [Ant09, HHMB<sup>+</sup>09, SIB<sup>+</sup>06]. **spectra** [GCCY<sup>+</sup>14, GGAA<sup>+</sup>23, GWK17, GSSWK20, Kra69, KRL<sup>+</sup>22, QPR03, YYhT<sup>+</sup>17]. **Spectral** [STR01, KM08, Mor91]. **spectrum** [GWM<sup>+</sup>22, LBC<sup>+</sup>15]. **Spells** [Cia22, SOWS17, SDB<sup>+</sup>21, YW22]. **spiciness** [Fla02, Kat18]. **spinifer** [GBG05]. **spinifera** [FMC<sup>+</sup>20]. **spiny** [MPM<sup>+</sup>18]. **spiral** [QYF<sup>+</sup>24]. **spirals** [Wun24]. **Spiraphiline** [CES<sup>+</sup>19]. **Spit** [NW87]. **Spitsbergen** [KMSTK23, KGJ<sup>+</sup>10, SPW22]. **split** [ON22]. **sponge** [RTN90, VBJ<sup>+</sup>20]. **sponges** [KT04]. **sporadic** [SSB14]. **Spores** [GGE<sup>+</sup>65]. **spot** [HNSP<sup>+</sup>19]. **spots** [YSS14, ZMCD11]. **spp** [DOS<sup>+</sup>18, Gif93, HHY03, KSKN21, MMG<sup>+</sup>13, McK15, VSPP14]. **sprat** [CCM<sup>+</sup>14, HKPV12, MHTG10, SRK15, SK17, VPH<sup>+</sup>12]. **Sprattus** [CCM<sup>+</sup>14, PBB<sup>+</sup>12a, PBB<sup>+</sup>12b, SRK15, SK17]. **spreading** [BF12, Kil76, LRNK99]. **Spring** [DHHP18, GCS91, MSMR93, NSE<sup>+</sup>24, ZGB<sup>+</sup>20, AW13, CMC<sup>+</sup>16, Car97a, DBC<sup>+</sup>18, DBM17, EKB06, FHP83, FB05, GMDD<sup>+</sup>22b, GHL15, GKS<sup>+</sup>13, GDM<sup>+</sup>15, HHY03, HPHL<sup>+</sup>05, HBH<sup>+</sup>17, JS90, JMZ23, KHBA<sup>+</sup>24, KFM15, KTW<sup>+</sup>22, LBC<sup>+</sup>23, LPHL<sup>+</sup>05b, LPHL<sup>+</sup>05a, LMA<sup>+</sup>15, MERB12, MPD<sup>+</sup>22, MCKS17, Mil93a, MA12, MMD<sup>+</sup>16, NEI<sup>+</sup>22, OTNI20, RHM<sup>+</sup>19, iSIS02, STB<sup>+</sup>92, STF<sup>+</sup>13, SMP<sup>+</sup>22a, SPH83, THP21, TRP<sup>+</sup>23, TDL<sup>+</sup>17, VHV<sup>+</sup>12, VEM<sup>+</sup>21, YMA<sup>+</sup>17, ZLG17a, ZLG17b, ZWM<sup>+</sup>15, dFKdLZTT17, RAP95]. **spring-neap** [Car97a]. **spring/early** [EKB06]. **Springtime**

[APC<sup>+21</sup>, HJLLN07, JTD<sup>+14</sup>, DMBB02, GRD<sup>+23</sup>]. **Spur**  
 [BHE<sup>+98</sup>, FLdST98, FMH02, LHEB98, OB98, TvW98, vWHdS<sup>+98</sup>]. **squat**  
 [ACK<sup>+13</sup>, GRB<sup>+08</sup>]. **squid**  
 [ATT<sup>+08</sup>, BGM<sup>+10</sup>, IIS<sup>+17</sup>, OMK<sup>+22</sup>, RS10, RASVB<sup>+22</sup>]. **Sr** [YAI<sup>+14</sup>].  
**SST** [MS02, SNS<sup>+22</sup>, WWZ19]. **St** [LBC<sup>+23</sup>, MPSD15, MPN09, TFM03].  
**St.** [HGD22, FHG03]. **Sta.** [LMPB<sup>+16</sup>]. **Stability**  
 [MDGC<sup>+12</sup>, WPB05, Cai95, CGS23, Fla02, Gir15, HGH<sup>+19</sup>, JJJ<sup>+19</sup>,  
 LAD<sup>+18</sup>, Law04, NGNV12, VMB<sup>+22a</sup>]. **Stable**  
 [BAOC<sup>+07</sup>, CGC<sup>+20</sup>, FMC<sup>+15</sup>, Kli10, SF02, Ang84, AYH<sup>+23</sup>, BGA<sup>+21</sup>,  
 CSK<sup>+12</sup>, CSC<sup>+12</sup>, CDP14, ESTM13, EiT<sup>+22</sup>, GDM<sup>+20</sup>, GWM<sup>+22</sup>, IBW<sup>+01</sup>,  
 Kno04, KSS<sup>+23</sup>, KSG<sup>+17</sup>, KAAK<sup>+16</sup>, LSV14, MRAP22, OPG<sup>+10</sup>, PPHM18,  
 PYKF15, QOS<sup>+22</sup>, SBC<sup>+16</sup>, SC65, SHC<sup>+06</sup>, SHC<sup>+07</sup>, SM16, VKGP<sup>+13</sup>].  
**Stage** [NMN08, HCGK11, IVR<sup>+13</sup>, MMG<sup>+13</sup>]. **Stage-V** [NMN08]. **stages**  
 [AHP19, CSMGS19, CGC<sup>+20</sup>, CCM<sup>+14</sup>, Eme65, Emi65, FVLC<sup>+23</sup>, FCN<sup>+19</sup>,  
 HPW10, KSK<sup>+15</sup>, LSY<sup>+14</sup>, MVBC<sup>+21</sup>, NHG19, OCH<sup>+18</sup>, PWZ<sup>+16</sup>,  
 PDAM<sup>+15</sup>, SLY<sup>+15</sup>, TCF<sup>+18</sup>, VMH<sup>+21</sup>, WFH<sup>+22</sup>]. **staging** [PMG15].  
**Stainforthia** [GA01]. **stalagmites** [SCS87]. **standard** [MDR22]. **standing**  
 [ADS<sup>+22</sup>, Fro93, GSPMAI99, IVR<sup>+13</sup>, JSHB90, MMKS<sup>+21</sup>, OBD<sup>+20</sup>,  
 RLP<sup>+18</sup>, TRLA<sup>+13</sup>, WSC<sup>+21</sup>]. **stars** [MJD<sup>+21</sup>]. **starvation** [HCGK11].  
**starvation-induced** [HCGK11]. **starved** [TCDPP<sup>+22</sup>]. **State**  
 [MPC12, SBB<sup>+14</sup>, AdAK<sup>+18</sup>, CAA<sup>+07</sup>, Fla02, GTNK21, HLK13, JCM<sup>+21</sup>,  
 MHA<sup>+11</sup>, MeD81a, MeD81b, RWD01, RGC<sup>+01</sup>, SRM<sup>+10</sup>, TAM<sup>+13</sup>]. **states**  
 [Kno04, Bum73, Eme65]. **Station**  
 [AEPW93, Fre07, AVK91, BC91, CB91, CJMI<sup>+91</sup>, HLM<sup>+13</sup>, MIW91, MA12,  
 NCH<sup>+07</sup>, PWMIM91, Ver91, WP91, CR20, KLB<sup>+21</sup>, KBC<sup>+22</sup>, MDGC<sup>+12</sup>].  
**stationary** [DCD<sup>+23</sup>, PCR<sup>+22</sup>, dSPF<sup>+23</sup>]. **stations**  
 [BHLU<sup>+07</sup>, DLJ<sup>+21</sup>, Lev88, SS69, SH09, YNMY23]. **Statistical**  
 [FPJ<sup>+15</sup>, SW92, WPH<sup>+10</sup>, BIL03, BPGD<sup>+14</sup>, GAM98a, HLSX22, MNT14,  
 Owe91, SBM91, SDO<sup>+14</sup>, SLY<sup>+15</sup>, dMM69]. **Statistics** [LaC08, BBB<sup>+21</sup>].  
**status** [CSBL<sup>+15</sup>, CAO<sup>+20</sup>, CBGC<sup>+08</sup>, FVA<sup>+19</sup>, Fai65, Joh04, JJS03,  
 KTN14, KSE<sup>+09</sup>, LCANAS<sup>+07</sup>, SGL<sup>+18</sup>, SF02, VJJ<sup>+22</sup>]. **Stay** [CMS<sup>+13</sup>].  
**STCC** [CMG15]. **steady** [RWD01, RGC<sup>+01</sup>]. **steelhead**  
 [SKGS20, WBF<sup>+21</sup>]. **steep** [JOB05, vHVAT22]. **Steering** [LMA<sup>+15</sup>].  
**Stephos** [SSTD<sup>+95</sup>]. **Stepwise** [TSL10]. **Steric**  
 [MZZ<sup>+23</sup>, RG09, SRFHDH22]. **Sternoptychidae** [CSM<sup>+15</sup>, EBM<sup>+20</sup>].  
**stimulate** [CRC<sup>+19</sup>]. **stirring** [Mar03]. **Stock**  
 [ZL01, ADS<sup>+22</sup>, BHMS09, Dol09, Fro93, IAFD02, JSdSS<sup>+21</sup>, JSHB90,  
 KMB01, MHTG10, SEG22a, TRLA<sup>+13</sup>, WBC<sup>+22</sup>]. **stocks**  
 [CGV13b, GSPMAI99, IVR<sup>+13</sup>, LNB13, MMKS<sup>+21</sup>, MHS<sup>+09</sup>, OBD<sup>+20</sup>,  
 SEG<sup>+22b</sup>, TGJT09, WSC<sup>+21</sup>]. **Stoichiometric** [ÁSÁB<sup>+14</sup>]. **stoichiometry**  
 [BPA<sup>+21</sup>, Fly10, FAH<sup>+13</sup>, HWL<sup>+20</sup>, PHK<sup>+17</sup>, SGS<sup>+23</sup>]. **stomach**  
 [KSG<sup>+17</sup>]. **stomachs** [EBD<sup>+20</sup>]. **stomatopod** [MKD90]. **Stomiiformes**  
 [CSM<sup>+15</sup>, EBM<sup>+20</sup>]. **Stomiiforms** [SLOP<sup>+22</sup>]. **Storage**  
 [PPKR14, HTdM<sup>+15</sup>, lLdZQ<sup>+22</sup>, WCN<sup>+05</sup>]. **storm** [CBB<sup>+19</sup>, CBB<sup>+22b</sup>,

LFBP<sup>+13</sup>, MFH86, PFHM16, PPSVC<sup>+13</sup>, SWP<sup>+13a</sup>, SZG06].

**storm-induced** [PPSVC<sup>+13</sup>, SZG06]. **Strait**

[JJR<sup>+08</sup>, KHC<sup>+99</sup>, SNR<sup>+10</sup>, AHGRAL23, AW13, AHC<sup>+13</sup>, BFB<sup>+20</sup>, BPGC<sup>+20</sup>, BCR<sup>+13</sup>, BCK94, BC88, CML<sup>+16</sup>, CGW<sup>+22</sup>, CGMP14, CZW<sup>+22</sup>, DWH<sup>+14</sup>, Dea85, DL17, ESTM13, FY88, FAAF88, FDM<sup>+13</sup>, GIC20, GXX<sup>+22</sup>, GLPC23, GWS<sup>+23</sup>, GSSWK20, GKS<sup>+13</sup>, GDM<sup>+15</sup>, HFPS<sup>+06</sup>, HMH<sup>+15</sup>, Ike88, IOGS13, ITO<sup>+14</sup>, JC88, KAG<sup>+19</sup>, LBNBM13, LF12, LAP10, LMH<sup>+13</sup>, LHC<sup>+19</sup>, LC10, MMGL<sup>+07</sup>, MGF<sup>+13</sup>, MGWZ20, MRO<sup>+08</sup>, MP13, MK86, MH14, NGLSSG14, PMC16, PM13, PST<sup>+02</sup>, PBN13, Ric94, RHBS13, Rud89, RKS<sup>+15</sup>, STF<sup>+13</sup>, SGMP15, SBPGP<sup>+23</sup>, SLH<sup>+19</sup>, SSV<sup>+11</sup>, TYO<sup>+14</sup>, TSBS18, VGLCS06, VKDS<sup>+18</sup>, WDC<sup>+11</sup>, Woo18, YYT<sup>+14</sup>, YLY<sup>+14</sup>, YYhT<sup>+17</sup>, YMK<sup>+04</sup>, ZLX<sup>+20</sup>, ZWP23, dIPHF<sup>+15</sup>]. **Straits** [KTB<sup>+99</sup>, ABC<sup>+99</sup>, ZMW<sup>+23</sup>, AC85, BTK<sup>+99</sup>, BMC05, GR85, GSPMAI99, KSPK99, MM90, MWO<sup>+12</sup>, NTU<sup>+14</sup>, RLGC10, SKP99, TBK<sup>+99</sup>, VOT<sup>+99</sup>].

**Strangomera** [CCM<sup>+14</sup>, SYB<sup>+15</sup>]. **strategies**

[BVJE19, BOMdP15, BHS<sup>+15</sup>, BCL<sup>+09</sup>, DPGC14, KPSB17, LDH90, LPA<sup>+11</sup>, MGS90, Nie07, RMB<sup>+01</sup>, SSW<sup>+09</sup>, THBA19, VBC<sup>+20</sup>]. **strategy**

[SSTD<sup>+95</sup>, SSB14, YAK<sup>+08</sup>]. **Stratification** [BBS21, SHL13, GCD<sup>+13</sup>,

LK13, LFC<sup>+15</sup>, MZK<sup>+23</sup>, PFW15, SHd13, SYN<sup>+21</sup>]. **stratified**

[BMG<sup>+21b</sup>, CTA16, FvBA<sup>+17</sup>, Her88, HAH<sup>+22</sup>, IAN13, KV13, KV18,

MBP<sup>+11</sup>, SMFM<sup>+21</sup>, SENS13, TSP<sup>+13</sup>, WPW<sup>+14</sup>]. **stratigraphic**

[CFM<sup>+18</sup>, Par65]. **stratigraphies** [Sel65]. **stratigraphy** [Med87, Sai65].

**streaked** [YSS14]. **Stream**

[TPTM23, AC85, BHP06, Fug63, Ham87, Hen85, Hog85, KAH<sup>+16</sup>, LS85].

**streamer** [ZAC<sup>+23</sup>]. **streams** [LGZL22]. **strength** [YFK21]. **strengthen**

[CKM<sup>+21</sup>]. **Strengths** [BBE<sup>+15</sup>, HS07]. **Stress** [FWH<sup>+17</sup>, AR18, BCOL<sup>+19</sup>,

HHK<sup>+02</sup>, IPG<sup>+16</sup>, MS02, QOS<sup>+22</sup>, VTGC19, WWZ19, XY21]. **stress-SST**

[WWZ19]. **stresses** [LEDR<sup>+22</sup>]. **Stressors** [SKCP23, dSSDS<sup>+20</sup>, TCS15].

**Striking** [XLX<sup>+20</sup>]. **striped** [JOGM<sup>+10</sup>]. **Strong** [KPM<sup>+23</sup>, KSG<sup>+17</sup>,

FELJ16, GTS<sup>+21</sup>, HSLG11, JMSB<sup>+23</sup>, NFMCS<sup>+22</sup>, SEG22a, WST<sup>+21</sup>].

**stronger** [KLC<sup>+15</sup>]. **Structural** [RLP<sup>+18</sup>, BHHR15]. **Structure**

[GIPC<sup>+15</sup>, HKGH<sup>+06</sup>, JG90, MRA<sup>+19</sup>, MDR22, PP85, SP08, TCS15, Was06,

AMFY20, AAM<sup>+14</sup>, AMG<sup>+16</sup>, AV23, Ang79b, ABT<sup>+04</sup>, ASR<sup>+20</sup>, BAM<sup>+09</sup>,

BIST01, BS90, BWB<sup>+09</sup>, BLP93, BLES16, CRGA17, CLSD18, CWB<sup>+22</sup>,

CSV<sup>+07</sup>, CDL<sup>+22</sup>, CC88, CS03, CBM<sup>+21</sup>, CFML22, CF12, CCB<sup>+20</sup>,

CTI<sup>+19</sup>, DBC<sup>+18</sup>, DW02, DRE<sup>+08</sup>, DSR21, Dol09, Dom84, DCRR<sup>+22</sup>,

DBR20, EBD<sup>+20</sup>, ESD<sup>+21</sup>, ES07, EHG<sup>+12</sup>, FMH02, FDE<sup>+22</sup>, FPS<sup>+09</sup>,

FAB<sup>+09</sup>, GSFP<sup>+09</sup>, GAF15, GCCY<sup>+14</sup>, GPP22, GDM<sup>+20</sup>, GWM<sup>+22</sup>,

GHVG19, GGA<sup>+16</sup>, GVKD<sup>+13</sup>, Ham87, Hey78, HGBG20, HSL96, HG04,

IBW<sup>+01</sup>, INT14, JSHB90, KP03, KOhL<sup>+10</sup>, Kos93, KBSB18, LCBN14,

LdCSB<sup>+20</sup>, Lon85, LS85, MLL<sup>+22</sup>, MT99, MERB12, MDAW<sup>+19</sup>, MTC14,

MLM09, Min00, MTK<sup>+22</sup>, Mol22, MK12, MTH<sup>+10</sup>, MMN<sup>+24</sup>, NYL<sup>+17</sup>,

PCM11, PJH<sup>+15</sup>, PHD<sup>+18</sup>, PBS22, PLK14, PCBA<sup>+20</sup>, QSC<sup>+15</sup>, RSW<sup>+23</sup>].

**structure** [RD03, RLR<sup>+18</sup>, RCSHW22, RBE<sup>+12</sup>, SSQ19, SSS<sup>+11</sup>, SIR<sup>+07</sup>,

SNZ+20, Sie69, SSM90a, Sim84, ŠGM+18, SPMVP05, SNMW10, SPN98, SST+17, Tan99, TWMY08, TPM+16a, TKW06, THM+06, TSFA22, TSBS18, TPP+00, UB10, VKDS+18, VDGGD+22, WFH+22, WLL+23, WLM07, XYK+22, XHW+20, YYT+14, YNMY23, YJ88, ZHSMM14, ZLS+04, ZBRJ23, ZSBL00]. **structured** [HEF+12, MMG+13, MFS+07, MSF+07, Mau10, NGLL+22, RBNJ+12]. **structures** [AHSS22, DMBHG10, HCAFD+20, Ken88, MPM+18, OSH+96, SHC+06, SHC+07, YHZ+22, ZSH+24, AVS23]. **structuring** [CGD+18, JJA+13, KM10]. **studied** [PKA19, RWD01]. **Studies** [Ang79b, APSC11, HWS+07, KY15, LJ65, Ros65, BGM+99, BAOC+07, CAT+08, CSC+12, Cow05, DFC+21, Dri11, FACM+23, FRK+09, Has82, Hey78, ITM86, IPD14, JW01a, LOG+09, MGKW19, ML09, Mos69, Rud03, SSM+90b, SJ18, SGR+22, VPS09, WFD+07, WBA+22, WPA+24, WH89, ZNR+24, dLLdAWL+23]. **Study** [ALV+21, AYK+05, BOG20, KNI+05, ASFB+13, ABE+15, AHA+16, Ang80, AVK91, AUE+14, ALT10, BC91, BEI+20, BLHB07, BCLD+17, BHH+16, BDE03, BPTT19, BLT+08, BCL+09, CCM+13, CCRS20, CGMP14, CB91, CJMI+91, CCMS08, CKL+14, DGH+20, EALF08, ESTM13, FTSF21, Fro93, GHL15, GAPM16, HLPL05, HBV+10, HBL+13, HPNDC15, HPW10, JAC+12, JLB+08, JW01a, Ken88, KIS+05, KA85, KFC+13, KGdS+08, KH09, KS15, LJM+16, LMW+12, LSB+17, LB20, LGD+20, Mau10, MMG+11, MIW91, MRW+14, NHG19, ORW+01, PBB+20, PKP14, PWMIM91, PGC+96, PCH+08b, Pre86, RCÁS+15, RZW+23, RAE+05, SZG06, SKHD84, iUMY86, VMA+24, Ver91, VMN08, WP91, WDMMK89, XRC+15, YKWF21, YFY+22, ZDG+21, vWMH98]. **Sub** [ABD+17, ABÁS+09, BRR+12, NYH+22, BMG+21b, BCR+13, GvOSW11, HMPZ11, HDA+16, MPM+18, PM22, SBH+14, TŠT+17, VPM+19, WMB+21, WXH07]. **sub-** [HMPZ11, MPM+18]. **sub-Antarctic** [VPM+19]. **Sub-Arctic** [NYH+22, GvOSW11, WXH07, BMG+21b]. **sub-mesoscale** [BCR+13, PM22]. **sub-polar** [HDA+16, SBH+14, WMB+21]. **Sub-regional** [ABÁS+09]. **Sub-surface** [BRR+12]. **Sub-Tropical** [ABD+17, TŠT+17]. **Subarctic** [Mil93b]. **Subantarctic** [BRR+22, Ban96, GRdSS+22, IGG+19, NHG19, TSRF14]. **subarctic** [SPB93]. **Subarctic** [BLI+99, BMN+99, CNT+19, CM11, CCW+18, KNI+05, MN88, SPS+99, AT07, BE99, BLP93, Dag93, DRD+07, Fro93, FMT15, Gif93, HBV+99, KIS+05, KST03, KRL+22, LGK+93, LMS93, LCGH07, LBP15, MSMR93, MT99, MFB+84, Mil88, MC88, MTK+22, MHVS19, MST+23b, NMO+21, NKK+05, Peñ03a, PV07, RTF+05, Rog00, SSH+05, Sek99, SPMVP05, SHS+05, TFY02, TKSI08, TT05, Tan99, TWBC+13, TSNO05, TKK+05, WFH+22, WNNI21, WSG+93, Whe93, WFR07, YAK13, AYK+05, FK99, HBL+13, HMP+13]. **subbasin** [MTL05]. **subinertial** [BPSGP+23]. **Subject** [Ano63d, Ano64e, Ano65j, Ano65k, Ano69d, Ano73e, Ano85k, Ano87i, Ano89l, Ano90d, Ano90e, Ano92j, Ano93g, Ano86a, Ano92a]. **subjected** [ACL+18]. **sublittoral** [GA01]. **Submarine** [RVC+13, AHA+16, AHD18, BRC+18, BD19, CDL19, CHG+18, CJRÁ+13,

CQZ<sup>+18</sup>, CHC<sup>+12</sup>, CD65, CHSB<sup>+21</sup>, DP18, DSC<sup>+19</sup>, DAU22, DCRR<sup>+22</sup>,  
 DCL<sup>+13b</sup>, FBR<sup>+13</sup>, FBD18, GvOS<sup>+08</sup>, GCF<sup>+19</sup>, GBB<sup>+20</sup>, HSN<sup>+18</sup>,  
 IVR<sup>+13</sup>, IHR18, JFEC13, JOBT05, KCL<sup>+12</sup>, KFC<sup>+13</sup>, LFCSV<sup>+13</sup>,  
 MRH<sup>+18</sup>, Nay65, PGLG<sup>+05</sup>, PCD<sup>+18</sup>, PGT<sup>+13</sup>, PRC<sup>+20</sup>, PCC<sup>+19</sup>,  
 RCC<sup>+18</sup>, RCF<sup>+13</sup>, RCSVGP<sup>+16</sup>, SCB<sup>+09</sup>, She65, TCDPP<sup>+22</sup>, TCDPP<sup>+23</sup>,  
 TAF<sup>+22</sup>, TPPG10, TTF<sup>+22</sup>, TCL<sup>+15</sup>, ZFSV<sup>+09</sup>]. **Submersible** [SFAD<sup>+90</sup>].  
**Submesoscale** [BPGC<sup>+20</sup>, CLY22, HNR<sup>+17</sup>, LLH<sup>+20</sup>, MBS20, MZZ<sup>+23</sup>].  
**suboxic** [GGQ07]. **Subpolar**  
 [GIPC<sup>+15</sup>, VFS<sup>+15</sup>, BDTC15, DMT15, FKZ<sup>+15</sup>, FMP19, GTNK21, HPB<sup>+09</sup>,  
 HLM<sup>+16</sup>, KY15, KJH<sup>+22</sup>, LWT<sup>+20</sup>, Rea00, SF15, Yas07a, ZBLF23]. **Subsea**  
 [CLMR23]. **subseasonal** [RSK<sup>+23</sup>]. **subspecies** [PMG15]. **substrates**  
 [CDS90, GGT<sup>+15</sup>]. **Subsurface** [HMX<sup>+23</sup>, KY14, SN24, ZSH<sup>+24</sup>, ZSY<sup>+22</sup>,  
 CLY22, Don94, MVS08, PTZ<sup>+23</sup>, PVV23, RKK<sup>+21</sup>, SBM91, YYC<sup>+18</sup>].  
**Subtidal** [NH88a, BRR<sup>+22</sup>, RHBS13]. **Subtle** [DBR20]. **Subtropical**  
 [CMJPH<sup>+18</sup>, DLC<sup>+08</sup>, GRdSS<sup>+22</sup>, HPC<sup>+20</sup>, INI<sup>+17</sup>, Kat18, LSMG01,  
 AGL<sup>+15</sup>, BHS<sup>+15</sup>, BDBJ01, CRGA17, CMF15, DBRK17, FHG03,  
 FCMCÁS19, FMSBW13, HSK<sup>+19</sup>, HMX<sup>+23</sup>, HM08, KF11, LRAE23, LLH<sup>+21</sup>,  
 LMT<sup>+19</sup>, MZH<sup>+23</sup>, MS17, MSI17, MZZ<sup>+23</sup>, MTK<sup>+22</sup>, Mol04, NHH<sup>+23</sup>,  
 NCH<sup>+07</sup>, NMO<sup>+21</sup>, PHCA17, PAF<sup>+11</sup>, RASVB<sup>+22</sup>, SHL13, SASH08,  
 WLM<sup>+13</sup>, Yu23, YSN20, ZLG17a, ZLG17b, dPGSHL23, BSMC15, GSF<sup>+15</sup>].  
**success** [BWMGCB08, BEP02, IMHL07, MAFS<sup>+22</sup>, PHL05, YFY<sup>+22</sup>].  
**successful** [DWFP<sup>+19</sup>]. **succession** [LBP<sup>+21</sup>, PFHM16]. **Suez** [Ore69].  
**Sugars** [TPN<sup>+18</sup>]. **Suggested** [Ano94k]. **suggests** [PDAM<sup>+15</sup>, SLY<sup>+15</sup>].  
**suitability** [BHH<sup>+16</sup>, DFH<sup>+16</sup>, HLP<sup>+16</sup>, SAY<sup>+16</sup>, WWW<sup>+23</sup>]. **sulfide**  
 [ZPY<sup>+20</sup>]. **sulfur** [GLY23, NEI<sup>+22</sup>, OYKK<sup>+23</sup>]. **sulphide** [BCP09, TJ90].  
**sulphidic** [PLN<sup>+23</sup>]. **sulphur** [TNS<sup>+05</sup>]. **Sulu** [XDG<sup>+23</sup>]. **Summarising**  
 [BBE<sup>+03</sup>]. **Summary** [LFA<sup>+06</sup>, PAB<sup>+87b</sup>, Man69, TT05]. **Summer**  
 [DLC<sup>+08</sup>, MDR22, OMS<sup>+09</sup>, YLY<sup>+14</sup>, AMY<sup>+23</sup>, AAMB<sup>+24</sup>, BTNK13,  
 BvdLA<sup>+11</sup>, BSH<sup>+20</sup>, DSR21, DHDM22, DL17, EKB06, EHG<sup>+12</sup>, FB01,  
 GDL<sup>+15</sup>, HWPLvW20, HHY03, HEF<sup>+12</sup>, IMM<sup>+22</sup>, INT14, KMS<sup>+24</sup>,  
 KGB<sup>+23</sup>, LBC<sup>+23</sup>, LPBM17, LHC<sup>+19</sup>, LZG20, MST<sup>+23a</sup>, MSS<sup>+02</sup>,  
 MKOLA20, MKS<sup>+22</sup>, MJA<sup>+07</sup>, NST<sup>+23</sup>, PVG<sup>+20</sup>, PTP<sup>+22</sup>, PELAA18,  
 Par86, PVV23, RBHLA04, RVS<sup>+21</sup>, SM21, SGMP15, SSN23, SEW11, SYN<sup>+21</sup>,  
 TII<sup>+14</sup>, TTL<sup>+04</sup>, TVT<sup>+23</sup>, WFH<sup>+22</sup>, WMB<sup>+21</sup>, WST<sup>+21</sup>, WQ08, YKS<sup>+12</sup>,  
 YNMY23, YLL19, YJS86, YJ88, ZDG<sup>+21</sup>, dWDB<sup>+98</sup>, dFKdLZTT17].  
**summers** [AMFY20]. **Summertime** [Lie86, WMWR08]. **sun** [PNF<sup>+21</sup>].  
**sunken** [JZ19]. **sunscreens** [FWH<sup>+17</sup>]. **Super** [VBL<sup>+09</sup>, WSG<sup>+93</sup>].  
**Super-ensemble** [VBL<sup>+09</sup>]. **superba** [AMY<sup>+23</sup>]. **superficial**  
 [GGA<sup>+05</sup>, SGL<sup>+13</sup>]. **supplies** [ZCV<sup>+19</sup>]. **Supply**  
 [RNBP<sup>+19</sup>, CJMO87, DTOD00, LBK<sup>+01</sup>, QCdS<sup>+07</sup>, RCSHW22, SH09,  
 TAM<sup>+15</sup>, VGJ<sup>+19</sup>, VMN08, WP91, WW02]. **support**  
 [AHGRAL23, BMN19, BDE03, JPM<sup>+08</sup>, WFJ<sup>+15</sup>, VSPP14]. **supports**  
 [GTS<sup>+21</sup>]. **suppresses** [MZK<sup>+23</sup>]. **Suprabenthic** [ACL<sup>+18</sup>]. **Surface**  
 [ABM<sup>+05</sup>, CP07, Don94, GBC<sup>+00</sup>, KBHML17, KSD84, NBR<sup>+08</sup>, NMO<sup>+21</sup>,

RM97, RCD<sup>+94</sup>, RKFD07, San15, SBPGP<sup>+23</sup>, SAT<sup>+22</sup>, SCB<sup>+16</sup>, ATS01, AMEV07, AEPW93, APP21, Ban96, BCOL<sup>+19</sup>, BH07, BHC<sup>+18</sup>, BF01, BRR<sup>+12</sup>, Bre06, Bri83, Cai95, CLV<sup>+19</sup>, CPC<sup>+15</sup>, CVBG21, CMHM18, CSS<sup>+19</sup>, Cia22, CPSM20, CPNL07, CMF15, CRHM12, CBT07, CM14b, CEF<sup>+13</sup>, DHC<sup>+20</sup>, DWH<sup>+14</sup>, Dem09, DVB<sup>+18</sup>, DSC<sup>+21</sup>, DL17, DDJ<sup>+21</sup>, EALF08, EGPM<sup>+15</sup>, EBR<sup>+14</sup>, FFA09, FBT<sup>+22</sup>, FWH<sup>+17</sup>, FLDF22, FTG<sup>+18</sup>, GPA<sup>+11</sup>, GL06, GEPC15, HMTL05, HKN<sup>+14</sup>, HMRB<sup>+03</sup>, Har82, HHK<sup>+22</sup>, HZCZ16, HMX<sup>+23</sup>, HJLLN07, Her97, HT97, HMPZ11, His22, hHCK01, ICB<sup>+19</sup>, IHT<sup>+21</sup>, IU14, Iwa23, JW01a, KK20, KTN14, KGL22, KKNT23, KDL<sup>+01</sup>, KPSB17, LW85, LOO22, LCZ<sup>+24</sup>, LFBP<sup>+13</sup>, LBD11, McD88, Mit91, MFM85, MKS<sup>+22</sup>, MKSW<sup>+15</sup>, PO00, PFW15]. **surface** [PTG95, RCB<sup>+20</sup>, RDL<sup>+91</sup>, RI86, RGI05, Rud89, SPF<sup>+23</sup>, SCHBC<sup>+22</sup>, SLG<sup>+12</sup>, SN24, STG<sup>+18</sup>, SDGVE17, SCCJ<sup>+18</sup>, SSTL16, SC23, SMGL01, Soh03, SPV<sup>+15</sup>, SRG<sup>+19</sup>, SJ02c, SJ02b, SYN<sup>+21</sup>, TM13, Tho95, TSRF14, TBW00, VSA<sup>+21</sup>, VBL<sup>+09</sup>, WFH<sup>+22</sup>, WLD<sup>+15</sup>, WH20, WST<sup>+16</sup>, XLW<sup>+22</sup>, XCH<sup>+16</sup>, YIY<sup>+04</sup>, YSY<sup>+19</sup>, YPM<sup>+10</sup>, YSS14, YYK<sup>+12</sup>, ZLC<sup>+15</sup>, MOS<sup>+13</sup>]. **surface-sediment** [SSTL16]. **surficial** [Cow05, RSB<sup>+01</sup>, ZHBW01]. **Surge** [Cho86, MFH86]. **surplus** [TGJT09]. **surprising** [WSH15]. **surrogacy** [HSN<sup>+18</sup>]. **surrounding** [RK03a]. **Survey** [HBD<sup>+18</sup>, ASJ<sup>+23</sup>, BGMP03, CNBD21, DPH<sup>+18</sup>, DPR<sup>+18</sup>, Hop64, HFK03, KDB95, OIC<sup>+23</sup>, PHD<sup>+18</sup>, TIOM16, VR03, WH94, WPA<sup>+24</sup>]. **surveyed** [BBMR19]. **surveys** [CHB02, EGP<sup>+18</sup>, HKL<sup>+15</sup>, LPBM17, MSA<sup>+22</sup>, PV18]. **survival** [AHP19, AHC<sup>+13</sup>, CCS<sup>+21</sup>, DPGC14, HLP<sup>+16</sup>, HPNDC15, IMHL07, IOGS13, KBF<sup>+08</sup>, Kli10, MGKW19, MI21, PHFK14, SKGS20, SMPG<sup>+12</sup>, SLY<sup>+15</sup>, WBF<sup>+21</sup>]. **Suspended** [CLG<sup>+00</sup>, MFY<sup>+86</sup>, Par63, DCS<sup>+22</sup>, FRV<sup>+19</sup>, FDE<sup>+22</sup>, IU14, JGO<sup>+98</sup>, MBdM<sup>+18</sup>, MLL<sup>+15</sup>, NKK03, PPCWJ18, PLP99, PBP<sup>+99</sup>, SRF<sup>+19</sup>, SPB<sup>+02</sup>, USH15a, VFCC<sup>+22</sup>]. **Sussex** [JS87]. **sustainability** [GHF<sup>+21</sup>, LCNAS<sup>+07</sup>]. **sustainable** [McI10, Ric01]. **Sustained** [HBD<sup>+21</sup>]. **Svalbard** [SON<sup>+20</sup>, FGL<sup>+23</sup>, GIHJ23, JCM<sup>+21</sup>, KMSTK23, MIN<sup>+20</sup>, ON22, RBR<sup>+23</sup>, VNH<sup>+23</sup>]. **Sverdrup** [MCKS17]. **SW** [CÁM06, SVL<sup>+23</sup>, CMS<sup>+13</sup>, Gal17, KPSB22, LWBD<sup>+17</sup>, MGC<sup>+18</sup>, PYKF15, TCDPP<sup>+22</sup>, YHM<sup>+18</sup>, YPVP<sup>+22</sup>]. **swallow** [RLC85, Ano85a]. **Swansea** [Ang80]. **swell** [CBB<sup>+22a</sup>, VTGC19, ZKT88]. **swift** [Cra09]. **swim** [GGT<sup>+15</sup>]. **Swimming** [ASC07, FGS<sup>+23</sup>, BLP<sup>+20</sup>, SS17, SK17]. **Swirling** [CBB<sup>+22c</sup>]. **swish** [SL13]. **switching** [VWDF14]. **Swoddies** [TMPM<sup>+16b</sup>]. **swordfish** [SYB<sup>+15</sup>, YGL<sup>+10</sup>]. **symbiosis** [AB90]. **sympagic** [SHC<sup>+06</sup>, SHC<sup>+07</sup>]. **sympatric** [NHE<sup>+13</sup>, SBC<sup>+16</sup>]. **symposia** [CSH<sup>+23</sup>]. **Symposium** [LM10, HMWM00, BK08, SRM<sup>+10</sup>]. **synchronicity** [PVA24]. **Synchronies** [LSS<sup>+09</sup>, KQP<sup>+17</sup>]. **Synchronization** [Yu23]. **Synchronized** [QNK<sup>+22</sup>]. **synchronous** [KOhL<sup>+10</sup>, PCR<sup>+22</sup>, TOKLC08]. **synchrony** [BMO12, MDAW<sup>+19</sup>, SBL<sup>+23</sup>]. **Synechococcus** [SDS<sup>+22b</sup>]. **synergistic** [Sie88]. **synergistic-consortia** [Sie88]. **Synoptic** [GRLS14, LPBM17, OPL<sup>+21</sup>, CP83, LZL<sup>+22</sup>, SMR<sup>+20</sup>, SGMP15, ŠVL<sup>+15</sup>, iUMY86]. **Synoptic-scale** [GRLS14, OPL<sup>+21</sup>]. **Synthesis**



[BK08, CAT<sup>+</sup>08, CKT<sup>+</sup>13, GTS<sup>+</sup>21, HMO<sup>+</sup>13, LGZ<sup>+</sup>20, MOS<sup>+</sup>13, MS15, ARH<sup>+</sup>00, ABD<sup>+</sup>17, AIA<sup>+</sup>18, Dri11, DP13, EAL<sup>+</sup>07, FTG<sup>+</sup>11, HHH<sup>+</sup>12, HMKF08, MRMD<sup>+</sup>97, MB05, MGK<sup>+</sup>86, MST<sup>+</sup>23b, TBK<sup>+</sup>99]. **synthetic** [Ric94, VOT<sup>+</sup>99]. **System** [AAM<sup>+</sup>14, GBC<sup>+</sup>16, MAB<sup>+</sup>11c, MAB<sup>+</sup>11a, MAB<sup>+</sup>11b, PAVB<sup>+</sup>21, ABE<sup>+</sup>15, AASJ23, AVK91, BC91, BTK<sup>+</sup>99, BIST01, BFB<sup>+</sup>20, BDT<sup>+</sup>08, BF01, BMG<sup>+</sup>21b, BHHS83, BLT<sup>+</sup>08, BLMR<sup>+</sup>20, CFM<sup>+</sup>18, CQZ<sup>+</sup>18, CB91, CGZ<sup>+</sup>16, CP83, CJMI<sup>+</sup>91, CTP<sup>+</sup>18, CKL<sup>+</sup>14, DLM<sup>+</sup>12, EALF08, ESTM<sup>+</sup>12, ES07, EB08, EBvdL<sup>+</sup>09, EHG<sup>+</sup>12, FFA09, FVLC<sup>+</sup>23, FDH20, FWBC02, GSFP<sup>+</sup>09, GMAMB04, HHK<sup>+</sup>22, HGD22, HSH<sup>+</sup>19, HKGH<sup>+</sup>06, HFPS<sup>+</sup>06, HNR<sup>+</sup>17, IVR<sup>+</sup>13, JE92, JW01a, KAH<sup>+</sup>16, KAK<sup>+</sup>22b, KMSTK23, LSV14, LFG10, LBP15, LSW02, MERB12, MCG<sup>+</sup>02, McD81a, MMES16, MIW91, MR03, MJC<sup>+</sup>17, PM13, PBS22, PWMIM91, QNK<sup>+</sup>22, RBL<sup>+</sup>19, RAP95, RDC<sup>+</sup>21, RÁSG<sup>+</sup>13, RBS<sup>+</sup>09, SNV<sup>+</sup>18, SHD<sup>+</sup>21, SAM<sup>+</sup>04, SGO<sup>+</sup>08, SCLS10, SKRM<sup>+</sup>95, SHT<sup>+</sup>01, TMH<sup>+</sup>16, TLH<sup>+</sup>15, USH15b, VSGC21, VSA<sup>+</sup>21, VAEP24, Ven12, Ver91, WP91, Whi95, WFS<sup>+</sup>15, YKWF21, YGC<sup>+</sup>21, ZHF<sup>+</sup>24, AH10, ÁSDB<sup>+</sup>01]. **System** [ARG11, CCW<sup>+</sup>02, CBGC<sup>+</sup>08, CB09, CRT<sup>+</sup>22, CRHM12, CLdPHL23, DFM<sup>+</sup>21, DPF<sup>+</sup>20, GDI<sup>+</sup>09, GCED22, Hau84, HLGA07, Hic79, HW02, Huy83, JIT<sup>+</sup>01, JBB<sup>+</sup>14, KSD84, LO07, LQU07, LO21, LPF<sup>+</sup>18, LABD<sup>+</sup>24, LB02, ML09, MAB<sup>+</sup>11a, MAB<sup>+</sup>11b, PO15, REG<sup>+</sup>15, RMK<sup>+</sup>21, RD03, RZTD17, SFMA20, SE16, SDK84, Sim84, SKHD84, SAd<sup>+</sup>17, SBG<sup>+</sup>08, TMÁGC<sup>+</sup>21, TSJ<sup>+</sup>12]. **Systematic** [GJ00]. **Systematics** [BHB<sup>+</sup>19]. **systems** [BCL<sup>+</sup>09, CLV<sup>+</sup>19, CPO<sup>+</sup>19, CED09, CTI<sup>+</sup>19, Dem09, EBvdL<sup>+</sup>09, GHVG19, GCF<sup>+</sup>19, HDM19, HVEF09, IPF23, JPM<sup>+</sup>08, KMB01, KSC10, KHJ<sup>+</sup>10, LZL<sup>+</sup>22, LSB<sup>+</sup>17, LSD<sup>+</sup>18, LHF<sup>+</sup>16, MS02, MC15, MAB<sup>+</sup>11c, MAB<sup>+</sup>11a, MAB<sup>+</sup>11b, MZGA<sup>+</sup>20, MCGS<sup>+</sup>16, PBO10, PP10, PFHM10, RFSCF19, SWP<sup>+</sup>13b, Sma10a, Sma10b, ST10, TPRS10, MFM15, TBW09].

**T** [Ang80, BDB<sup>+</sup>22, PCK<sup>+</sup>06]. **T.** [GBG05, MRAP22]. **Tōhoku** [CLB<sup>+</sup>14]. **Tagging** [PMM<sup>+</sup>23]. **tags** [BMC<sup>+</sup>10, FFT<sup>+</sup>18]. **Tagus** [JGO<sup>+</sup>98]. **Taiwan** [DL17, JC88, LHC<sup>+</sup>19, MH14, STJ<sup>+</sup>14, WLP<sup>+</sup>21, Yin88, ZLX<sup>+</sup>20]. **take** [ROBRB<sup>+</sup>22]. **takes** [WJPHB15]. **tale** [BKC15, SWT<sup>+</sup>17, Wai21]. **tall** [TDK<sup>+</sup>16]. **Tanaidacea** [JPB20]. **Tanaidacean** [SPB19, BJMP19, BJMP20, JPBB20]. **tank** [FHL<sup>+</sup>24]. **Tanner** [RKCH15]. **Tantulocarida** [PKA19]. **tantulus** [PKA19]. **target** [CBB<sup>+</sup>22c]. **Tasmania** [OLH<sup>+</sup>18, RL23]. **taxa** [ALM<sup>+</sup>23, GSV<sup>+</sup>01, WPA<sup>+</sup>24]. **taxon** [LB20]. **Taxonomic** [CSR90, CCW<sup>+</sup>18, Kam19, PVM<sup>+</sup>20, YMA<sup>+</sup>17]. **taxonomy** [JZ19]. **Tchernia** [Hof81]. **technical** [BCF<sup>+</sup>03, SPK<sup>+</sup>19, TDH<sup>+</sup>95]. **technification** [PPSV<sup>+</sup>18]. **technique** [Jer65]. **techniques** [BPGD<sup>+</sup>14, BGR<sup>+</sup>15, SNV<sup>+</sup>18, Tom81b, VBL<sup>+</sup>09]. **Tectonic** [JFG<sup>+</sup>90, Kit03]. **teleconnection** [Has06]. **teleconnections** [OÁT<sup>+</sup>05, ZLC<sup>+</sup>15]. **telemetry** [Dah69]. **telemetry** [MHR<sup>+</sup>10]. **tell** [RMB<sup>+</sup>01]. **telling** [VLUC<sup>+</sup>07]. **temperate** [CDB<sup>+</sup>22, DBW<sup>+</sup>22, FB05, GMDD<sup>+</sup>22a, HAH<sup>+</sup>22, LM18, LBP<sup>+</sup>21, MPD<sup>+</sup>22,

MFDH22, MAFS<sup>+22</sup>, PDD<sup>+22</sup>, RCSHW22, RHM<sup>+19</sup>, SSB20a, SMP<sup>+22b</sup>].

**Temperature**

[GSM<sup>+17</sup>, Yao88, Zen08, Ång65, ATS01, BCOL<sup>+19</sup>, BHHR15, Bre06, CGB07, Dem09, DDJ<sup>+21</sup>, ED82, FVLC<sup>+23</sup>, GAPM16, GEPC15, HKN<sup>+14</sup>, HJLLN07, Her97, HT97, HHH<sup>+12</sup>, hHCK01, KGL22, KC15, LSXT01, LHW<sup>+20</sup>, LLX<sup>+21</sup>, MEMP15, MMF<sup>+17</sup>, MPSS91, Mid69, MKM86, MFM85, Mol22, MSB<sup>+23</sup>, NGNV12, NKK<sup>+05</sup>, PO00, RG09, Rou65, SCHBC<sup>+22</sup>, SDP<sup>+22</sup>, SMGL01, ŠGM<sup>+18</sup>, Spr08, SLY<sup>+15</sup>, SPV<sup>+15</sup>, STGR<sup>+23</sup>, TMN<sup>+12</sup>, TOKLC08, Tom81b, VYGMM<sup>+17</sup>, WHT86, Whi95, YYK88, YPM<sup>+10</sup>, Yin88, YYK<sup>+12</sup>, ZLC<sup>+15</sup>, dLLdAWL<sup>+23</sup>, dPCS23, vHMDL14, Rou65].

**temperature-depth** [ED82]. **temperature-salinity** [ED82].

**temperature/salinity** [Tom81b]. **temperatures**

[DW02, NPO<sup>+19</sup>, YKNO23]. **template** [DAKV99]. **Temporal**

[BTS<sup>+15b</sup>, BMNW01, BLP93, CCHV<sup>+21</sup>, FTSF21, FELJ16, GMBU12, GSV<sup>+01</sup>, HSMLDC<sup>+22</sup>, HLM<sup>+13</sup>, HYM<sup>+12</sup>, HHZ<sup>+22</sup>, ILA21, ISM<sup>+02</sup>, KBC<sup>+22</sup>, KMWF11, LSMG01, MLD<sup>+03</sup>, MCD<sup>+07</sup>, MPC<sup>+17</sup>, MCT03, MSL<sup>+07</sup>, PS23, SBL<sup>+23</sup>, STB<sup>+92</sup>, SKP99, SK21, VK90, VSC01, VDB<sup>+20</sup>, WLM<sup>+13</sup>, BDB<sup>+04</sup>, BMO12, BBE<sup>+03</sup>, BBB<sup>+21</sup>, BSC<sup>+07</sup>, BFV<sup>+17</sup>, Car98, CGG08, CSC<sup>+12</sup>, DAvD<sup>+20</sup>, DAvD<sup>+21</sup>, DDCE<sup>+23</sup>, ERT<sup>+22</sup>, ESGP17, EM12, FHP83, FFT<sup>+18</sup>, GBT<sup>+19</sup>, GMAB07, GRD<sup>+23</sup>, GFB<sup>+15b</sup>, GFB<sup>+15a</sup>, GGA<sup>+05</sup>, GIPG17, GHG<sup>+24</sup>, GVKD<sup>+13</sup>, HvDL<sup>+17</sup>, HLD<sup>+21</sup>, HVEF09, Igu04, IVR<sup>+13</sup>, JFUR20, JW01a, JHW<sup>+14</sup>, KBE<sup>+22</sup>, LFC<sup>+15</sup>, LSB<sup>+17</sup>, LSD<sup>+18</sup>, LCGH07, LLX<sup>+21</sup>, LdCSB<sup>+20</sup>, MRM<sup>+14</sup>, MSC<sup>+15</sup>, MHS<sup>+20a</sup>, MHS<sup>+20b</sup>, MDB<sup>+20</sup>, MFDH22, MPSD15, MHS<sup>+09</sup>, MZ14, Min00, NTU<sup>+14</sup>, OAM00, PSP<sup>+21</sup>, PS98, RCF<sup>+13</sup>, iSIS02, SPB<sup>+12</sup>, SEG<sup>+22b</sup>, SEG22a, SK18, ŠGM<sup>+18</sup>, SMPC<sup>+12</sup>, SLH<sup>+19</sup>]. **temporal**

[SKH00, SJLW23, TvW98, TS10, TKK<sup>+05</sup>, WM13, WGM<sup>+24</sup>, WTT14, WHK23, YPVP<sup>+22</sup>, YMK<sup>+04</sup>, dLLdAWL<sup>+23</sup>]. **temporary** [MOSN<sup>+13</sup>].

**tenuimana** [ACK<sup>+13</sup>]. **TEOS** [AdAK<sup>+18</sup>]. **TEOS-10** [AdAK<sup>+18</sup>]. **TEP**

[ORMR<sup>+19</sup>, Pas22]. **term**

[APC13, ABE<sup>+15</sup>, AVK91, BC91, BGM<sup>+01</sup>, BBR<sup>+01</sup>, BLCL14, BD18, BF01, BBL<sup>+09</sup>, CMF<sup>+09</sup>, CSMGS19, CB91, CSK<sup>+12</sup>, CB17, CJMI<sup>+91</sup>, DLM<sup>+12</sup>, DLM<sup>+96</sup>, FRV<sup>+19</sup>, FB01, FMP19, FAH<sup>+13</sup>, FMSBW13, GML<sup>+23</sup>, GMD<sup>+22</sup>, GHL15, HFS<sup>+20</sup>, hHRW<sup>+05</sup>, HHZ<sup>+22</sup>, JSA<sup>+08</sup>, JLS<sup>+22</sup>, KON14, KNS<sup>+03</sup>, KRHS14, LO07, LHE<sup>+13</sup>, LSIC12, LSXT01, MLL<sup>+22</sup>, MDAW<sup>+19</sup>, MDGC<sup>+12</sup>, MIW91, Nag01, PGY<sup>+22</sup>, PG10, PWMIM91, Reb02, RÁSG<sup>+13</sup>, STJ<sup>+14</sup>, ŠGM<sup>+18</sup>, Spr08, TFY02, TMN<sup>+12</sup>, TKW06, UPPS<sup>+21</sup>, VMB<sup>+22a</sup>, Ver91, WP91, WFD<sup>+07</sup>, WHBW03]. **terminal** [MBCB88]. **terminating** [GHVG19]. **termination** [Luk86]. **terms** [Due77]. **terns** [Cra09]. **Terrace** [MGS90, VK90]. **terrain** [DBR20]. **terrestrial** [CKP<sup>+20</sup>, DWC06, KiL14, RBL<sup>+19</sup>, SVHM<sup>+13</sup>, SMN<sup>+14</sup>, SGO<sup>+08</sup>, SCS87, ZHF<sup>+24</sup>].

**terrestrial-marine** [RBL<sup>+19</sup>]. **terrigenous** [PGT<sup>+13</sup>]. **test**

[BTNK13, BF11]. **Testing** [DTC<sup>+06</sup>, LM97, MPB<sup>+23</sup>]. **tests** [PTF10].

**Teuri** [DWNN04]. **TEX** [SBH<sup>+14</sup>]. **text** [Ang79a]. **Th**

[AYK<sup>+</sup>05, DTKvH15, HPZC21, ST65, TAF<sup>+</sup>22]. **Th**/ [AYK<sup>+</sup>05]. **Thalasseus** [Cra09]. **Their** [VJJ<sup>+</sup>22, AH15, Ang79b, Ang80, Ang89, AOMZ<sup>+</sup>23, BLP<sup>+</sup>20, BPSGP<sup>+</sup>23, BF12, BAP<sup>+</sup>22, Car98, CVBG21, CRT<sup>+</sup>22, DSAB20, EHG<sup>+</sup>12, Fla02, Gam14, GLY23, GGT<sup>+</sup>15, GA10, GMAB07, HPS<sup>+</sup>01, HKK12, HHSR07, HPW10, KTN14, KiL14, KM22, LSXT01, MPV12, MGS90, MB20, MNS<sup>+</sup>24, MDAW<sup>+</sup>19, Mau10, McD81b, MS17, MR03, MST<sup>+</sup>23b, NMLBCM<sup>+</sup>01, NMN08, OOTA15, PTM<sup>+</sup>22, Pra97, Ric22, RGI05, RCSVGP<sup>+</sup>16, ŠVL<sup>+</sup>15, SIS<sup>+</sup>14, TCN20, TvG02, VCM04, WGZZ19, WR03, WL16, YSS14, YN03a, ZLKO00, ZGZ19, ZLX<sup>+</sup>20, ZHBW01]. **thematic** [MRH<sup>+</sup>18]. **theme** [BHMS09]. **Themisto** [AE09]. **theorem** [BBF<sup>+</sup>22]. **theoretic** [DYO<sup>+</sup>10]. **theoretical** [BH07, GD91, Szu12]. **theories** [MS00]. **Theory** [Har05a, CGB<sup>+</sup>23, CRS04, Dea85, GCCY<sup>+</sup>14, Kun03, NP00, RK03b, Ste04, vRGW10, vdS94b]. **Theragra** [MLPN06, YNM<sup>+</sup>02]. **there** [BBLD<sup>+</sup>11, BT07, MKB00, SHF01, PPPdS20]. **Thermal** [FKH<sup>+</sup>13, TNC<sup>+</sup>09, Wun24, CP83, HGD22, KAK<sup>+</sup>22a, MK12, PLK14, SBM91, SI97, WLM07]. **Thermobaric** [Har05a]. **thermocline** [FMSBW13, HTdM<sup>+</sup>15, HLTB<sup>+</sup>17, LS85, TSP<sup>+</sup>13]. **thermodynamic** [FH95, Fei03, Fei04]. **thermodynamical** [HKL<sup>+</sup>15]. **Thermodynamics** [War06, Ano94c, Fei93, FM07, MKM93]. **Thermohaline** [KBSB18, ASR<sup>+</sup>20, Cai95, NTU<sup>+</sup>14, RK03b, RR03, SCPN15, Sme93, ZSH<sup>+</sup>24]. **Thermostads** [Tsu86]. **Thick** [PdMS<sup>+</sup>13]. **thickness** [WZFW16]. **Thin** [BLMR<sup>+</sup>20]. **think** [Bak01]. **thompsoni** [GBH<sup>+</sup>20, LS12]. **those** [KFC<sup>+</sup>13]. **thoughts** [Car97a]. **threatened** [CLB<sup>+</sup>13, YZX<sup>+</sup>23]. **threatens** [IG19]. **Three** [BBPHG<sup>+</sup>11, BASS<sup>+</sup>20, Dav85, HBD<sup>+</sup>21, LHC<sup>+</sup>19, McK15, RL23, SGMVF14, VBL<sup>+</sup>21, YHZ<sup>+</sup>22, CES<sup>+</sup>19, CP19, CBPS<sup>+</sup>22, DJ92, FYYC05, GWB14, GDM<sup>+</sup>20, GGA<sup>+</sup>05, HG04, KDF97, LSM<sup>+</sup>22, LLX<sup>+</sup>21, LGG18, Mar20, MRW<sup>+</sup>14, MR03, MJC<sup>+</sup>17, PMG15, RFSCF19, RK03a, SN24, SEG22a, SBM<sup>+</sup>23, SPMVP05, WBB<sup>+</sup>01, XD95, YWUK15]. **three-component** [LLX<sup>+</sup>21]. **Three-dimensional** [BBPHG<sup>+</sup>11, BASS<sup>+</sup>20, LHC<sup>+</sup>19, SGMVF14, YHZ<sup>+</sup>22, GWB14, KDF97, MR03, YWUK15]. **threshold** [XYWY23]. **through-flow** [vAB96]. **throughflow** [DWH<sup>+</sup>14, MH14, Tal08, MMF<sup>+</sup>07]. **throughout** [BHS<sup>+</sup>15]. **throughput** [HHAR23]. **Thunnus** [BMC<sup>+</sup>10, FFT<sup>+</sup>18, GA10, HHP10, KKKY10, KTIT22, LOBG<sup>+</sup>10, MRAP22, NXT<sup>+</sup>17, XNT<sup>+</sup>17]. **thynnus** [GA10]. **Thysanoessa** [CNT<sup>+</sup>19, FMC<sup>+</sup>20, MPSD15, SIR<sup>+</sup>07]. **Tidal** [Car97b, Egb97, FBS<sup>+</sup>18, MHCS<sup>+</sup>23, Pra97, RI86, RGPB<sup>+</sup>23, TDK<sup>+</sup>16, ZZWL06, BLR<sup>+</sup>23b, BMM97, Car97a, CR97, DOP87, DEW<sup>+</sup>97, ESA<sup>+</sup>13, FY88, GWS<sup>+</sup>23, Hen73, Kag97, Mun97, RW97, RCSA01, SVL<sup>+</sup>23, SCPN15, SPN98, TDL<sup>+</sup>17, WSL20, XD95, YMI88]. **tidally** [NNM<sup>+</sup>21, XD96]. **tide** [AK97, HHWW20, LM97, NTU<sup>+</sup>14, SA97, XD96, Yux88, vHMDL14]. **tide-induced** [NTU<sup>+</sup>14, Yux88]. **tides** [Arb22, AHD18, Bak83, CGW<sup>+</sup>22, CZW<sup>+</sup>22, DJ92, FGSA97, GF97, GCD97, JFUR20, KT97, Kiv97, KDF97, LL97, MMGL<sup>+</sup>07, Mun69, NGLSSG14, Pra04, RM97, RPSVLS14, SNMW10, TYO<sup>+</sup>14, WWL<sup>+</sup>22, WGM<sup>+</sup>24, WHIH97, ZCA21, ZQWP23, ZZPL18].

**tidewater** [VNH<sup>+</sup>23]. **tied** [TDGY22]. **Time** [KV18, LMS93, NIF<sup>+</sup>15, PB07, Whe06, AIA<sup>+</sup>15, AT07, BSFM<sup>+</sup>12, BBL<sup>+</sup>18, BAOM<sup>+</sup>12, CIL<sup>+</sup>23, CP83, Coo69, CNBD21, EHFD12, FTSF21, GW89, HFS<sup>+</sup>20, HLM<sup>+</sup>13, HFO<sup>+</sup>22, LQU07, LCJ<sup>+</sup>17, MGE<sup>+</sup>12, MGF<sup>+</sup>13, MNT14, MAH<sup>+</sup>15, MFDH22, MVC<sup>+</sup>11, MPSS91, MMG<sup>+</sup>11, MA12, NCH<sup>+</sup>07, ORVES17, OÁT<sup>+</sup>05, OAWAN18, Ric01, RPRCAG<sup>+</sup>21, RSD<sup>+</sup>90, Sie69, VLUC<sup>+</sup>07, VBL<sup>+</sup>21, VDDGD<sup>+</sup>22, WST<sup>+</sup>21, WSO<sup>+</sup>13, Wun24, XCH<sup>+</sup>16, dPAJ07]. **time-average** [Wun24]. **Time-dependency** [LMS93]. **Time-series** [Whe06, AT07, BAOM<sup>+</sup>12, Coo69, HLM<sup>+</sup>13, MMG<sup>+</sup>11, NCH<sup>+</sup>07, WSO<sup>+</sup>13, dPAJ07]. **times** [Men21, WJE<sup>+</sup>92]. **timeseries** [LPS<sup>+</sup>19]. **Timing** [LSH<sup>+</sup>11, AW13, BSF<sup>+</sup>21, CCH<sup>+</sup>12, HBD<sup>+</sup>18, IOGS13, LBC<sup>+</sup>23]. **tip** [WCC<sup>+</sup>20]. **tissues** [AB90]. **TIW** [NIC<sup>+</sup>19]. **Tiwi** [RZW<sup>+</sup>23]. **Todarodes** [KSK<sup>+</sup>15]. **together** [RK20]. **Tokara** [CZW<sup>+</sup>22]. **Tomczak** [MC08, YRKC08]. **tomography** [GW89]. **Tongue** [Fuk91, HDB13]. **tonsa** [BD20]. **Tony** [Bil01]. **too** [WSO<sup>+</sup>13]. **tool** [BFPS06, BMN19, CAO<sup>+</sup>20, FAAV<sup>+</sup>15, FC05]. **toolbox** [KHJ<sup>+</sup>10, MLL<sup>+</sup>15]. **toolkit** [WCB<sup>+</sup>20b]. **tools** [JPM<sup>+</sup>08]. **toothfish** [PWZ<sup>+</sup>16]. **TOP** [LM10, AH10, AF10, FZY<sup>+</sup>23, FFA06, PPD<sup>+</sup>12, RGMPR23, BVJE19, DY0<sup>+</sup>10, DSAB20, GPEV20, HS22, HM06, Jac10, KM10, LAD<sup>+</sup>18, MLPN06, OWR<sup>+</sup>07, SFS<sup>+</sup>12, SIB<sup>+</sup>06, XYK<sup>+</sup>22, ZK06]. **Top-down** [AH10, AF10, FZY<sup>+</sup>23, FFA06, PPD<sup>+</sup>12, RGMPR23, BVJE19, HS22, HM06, MLPN06, SIB<sup>+</sup>06, ZK06]. **top-heavy** [XYK<sup>+</sup>22]. **TOPEX** [DEW<sup>+</sup>97]. **TOPEX/POSEIDON** [DEW<sup>+</sup>97]. **Topographic** [Ham09, VKDS<sup>+</sup>18]. **topographies** [Bak06]. **topography** [GSA<sup>+</sup>20, OAWAN18, RD03, SBG16]. **Tortugas** [KAK<sup>+</sup>22b]. **TOSCA** [BBM<sup>+</sup>14]. **total** [BTS<sup>+</sup>15b, KBC<sup>+</sup>22, Rei86, Rei89, Rei94, Rei97, Rei03, BBF<sup>+</sup>22]. **totally** [GGA<sup>+</sup>05]. **Toxic** [PMMN<sup>+</sup>22, CGD<sup>+</sup>18, PTPY<sup>+</sup>23, VMV<sup>+</sup>23]. **toxins** [CAH<sup>+</sup>22]. **TPXO.2** [DEW<sup>+</sup>97]. **Trace** [CGD<sup>+</sup>18, ORB<sup>+</sup>18, BJ17, CE84, CFC<sup>+</sup>18, HF65, KIS<sup>+</sup>05, LTJ<sup>+</sup>15, LJ65, MDL<sup>+</sup>12, TCDPP<sup>+</sup>23, ZNR<sup>+</sup>24]. **traced** [PRL<sup>+</sup>18, ZSY<sup>+</sup>22]. **Tracer** [APSC11, BS95, HHP06, MWJ<sup>+</sup>08, TNS<sup>+</sup>05, VKT15, WNNI21]. **tracers** [AJV<sup>+</sup>02, GSPP<sup>+</sup>20, LvBS<sup>+</sup>24, Rei86, Rei89, Rei94, Rei97, Rei03, WRS<sup>+</sup>92]. **Trachurus** [BHH<sup>+</sup>16, ZL01]. **Tracing** [Sme93, ZGZ19]. **track** [KST<sup>+</sup>10, LKDL14, LMH<sup>+</sup>13, MHR<sup>+</sup>10]. **tracked** [LC16, RBZ00, ZBLF23]. **Tracking** [GPE<sup>+</sup>17, PM22, AGD<sup>+</sup>18, JIT<sup>+</sup>01, Ric94, RLC85]. **trade** [KSY<sup>+</sup>19]. **trade-offs** [KSY<sup>+</sup>19]. **traditional** [KSY<sup>+</sup>19, WPA<sup>+</sup>24]. **Trafalgar** [SVL<sup>+</sup>23, BPGC<sup>+</sup>20]. **Trails** [WKS<sup>+</sup>15]. **training** [DHB<sup>+</sup>21]. **trait** [ECFT20, GNH19, NGLL<sup>+</sup>22, SPSV<sup>+</sup>20]. **trait-based** [NGLL<sup>+</sup>22, SPSV<sup>+</sup>20]. **traits** [DLL<sup>+</sup>23, KBE<sup>+</sup>22, MRH<sup>+</sup>14, RNBP<sup>+</sup>19, SHD<sup>+</sup>21, THBA19, TMR<sup>+</sup>21]. **Trajectories** [MK86, AKAL20, Kir06, LKDL14, LC16, MJ88, PKV18]. **Trans** [GPC<sup>+</sup>03, FFT<sup>+</sup>18, LAGM<sup>+</sup>23, GWGR<sup>+</sup>19]. **Trans-Atlantic** [GPC<sup>+</sup>03, LAGM<sup>+</sup>23]. **trans-Drake** [GWGR<sup>+</sup>19]. **trans-Pacific** [FFT<sup>+</sup>18]. **Transatlantic** [GBB<sup>+</sup>19]. **Transect**

[AB00, BJ17, KBHML17, PHCA17, SWT<sup>+17</sup>, BHC<sup>+18</sup>, BTV<sup>+17</sup>, CGM<sup>+02</sup>, KRL<sup>+22</sup>, LM00, LGR<sup>+02</sup>, LHEB98, ARH<sup>+00</sup>, Ano17a, RNP<sup>+17</sup>, ZSBL00].

**transects** [Mol22]. **Transfer** [SGL<sup>+17</sup>, VHK03, MRA<sup>+19</sup>, MGS90, SSS<sup>+11</sup>, SHD<sup>+21</sup>, Tho95, VHK04].

**Transfer-function** [VHK03, VHK04]. **transfers** [BMG<sup>+21b</sup>, NBG<sup>+05</sup>, QYF<sup>+24</sup>]. **transform** [OP18]. **transformation** [ASC92, CCRS20, KHBA<sup>+24</sup>, MY23, RKS<sup>+15</sup>, SGMP15]. **transformations** [BS02, GIPC<sup>+15</sup>]. **transforming** [OCH<sup>+18</sup>]. **transgressions** [Med87].

**Transient** [Hol00, RKM<sup>+07</sup>]. **transiently** [BGL<sup>+17</sup>]. **Transit** [LCJ<sup>+17</sup>, Men21]. **Transition** [BMN<sup>+99</sup>, INI<sup>+17</sup>, PHKS17, RMHL09, BAM<sup>+09</sup>, BAT<sup>+98</sup>, BA04, BBPHG<sup>+11</sup>, BB14, EM12, GMAMB04, GASV<sup>+09</sup>, HLGA07, IMM<sup>+22</sup>, JPIP22, MTK<sup>+22</sup>, MGH<sup>+07</sup>, MTH<sup>+10</sup>, PHKS01, SAM<sup>+04</sup>, SJM<sup>+19</sup>].

**transitional** [VKT15]. **transitions** [JS90, ORMB08]. **translated** [Ang79a]. **transmissions** [DEW<sup>+97</sup>]. **transmissometer** [GRMB18]. **transparency** [GZCL23]. **Transparent** [MPM<sup>+17</sup>, ORMR<sup>+19</sup>, Pas22, RTF<sup>+05</sup>].

**Transport** [GPA<sup>+11</sup>, MNFY21, SCLG<sup>+11</sup>, Soh03, TCDPP<sup>+23</sup>, TAH<sup>+11</sup>, AdAK<sup>+18</sup>, AC85, AFH<sup>+11</sup>, ASC92, BBB<sup>+14</sup>, BMC05, BBM<sup>+14</sup>, BDBJ01, BMG<sup>+19</sup>, CB17, CHSB<sup>+21</sup>, CCD<sup>+13</sup>, CS06, CBD<sup>+24</sup>, DWH<sup>+14</sup>, FLdST98, FK86, GMAMB04, JC04, Jón07, KHD22, KSK<sup>+15</sup>, KSB18, LDAM<sup>+07</sup>, LGD<sup>+20</sup>, MGKW19, MLHE23, MWJ<sup>+08</sup>, MWO<sup>+12</sup>, NBR<sup>+08</sup>, NNO<sup>+14</sup>, OOTA15, OAWAN18, ÖÜT93, PpDM<sup>+12</sup>, PCSMC12, PDAM<sup>+15</sup>, PGG<sup>+22</sup>, RBL90, SVHM<sup>+13</sup>, SFMA20, SGMP15, Sei63, SMN<sup>+14</sup>, Sek88, SCC14, STJ<sup>+14</sup>, SMM<sup>+90</sup>, SMP<sup>+12</sup>, Tal08, VK92, VAGMDRS22, VMH<sup>+21</sup>, VB14, YSY<sup>+19</sup>, YCP<sup>+12</sup>, YAI<sup>+14</sup>, ZSH<sup>+24</sup>, ZZWL06, vWdSBdH02].

**Transportation** [AHSS22]. **transported** [PGT<sup>+13</sup>]. **Transports** [MRO<sup>+08</sup>, APN<sup>+15</sup>, GIPC<sup>+15</sup>, HGPFN<sup>+14</sup>, HGT16, RBS<sup>+20</sup>, RBS<sup>+22</sup>, Rei86, Rei89, Rei94, Rei97, Rei03]. **trap** [BPTT19, HMKF08, MXC<sup>+21</sup>, NIF<sup>+15</sup>, RF17]. **trapped** [CSLJ03, KWI20, vHMDL14]. **traps** [BEI<sup>+20</sup>, VK90]. **Travel** [GW89]. **trawl** [ATC<sup>+19</sup>, CHB02, DJW<sup>+18</sup>]. **trawling** [DJW<sup>+18</sup>, PPSV<sup>+18</sup>, PRA<sup>+18</sup>].

**trawls** [RKK<sup>+21</sup>]. **Trench** [AM19, AP20, AB90, BBFS19, BC19, BBRM20, CES<sup>+19</sup>, CP19, CBL<sup>+19</sup>, FTHK19, GKR20, GM19, GHSC19, JPB20, JGB20, Kam19, KKKS14, KCBS20, KKS<sup>+19</sup>, MA20, MB20, MDG<sup>+19</sup>, SSKA19, SKF20, SPB19, UKK<sup>+19</sup>, YTL<sup>+19</sup>]. **trenches** [BHB<sup>+19</sup>, DSAB20, KKKS14, SJ18]. **trend** [KC15, LGZW22]. **Trends** [Dem09, GSF<sup>+15</sup>, LW13, OLH<sup>+18</sup>, RJO<sup>+19</sup>, AH10, BAOC<sup>+09</sup>, CSR90, CMF<sup>+09</sup>, CSG<sup>+15</sup>, CLdPHL23, CM14b, CR20, FTC<sup>+16</sup>, FAH<sup>+13</sup>, GPAB<sup>+16</sup>, GSSWK20, HSG<sup>+15</sup>, HHH<sup>+12</sup>, hHRW<sup>+05</sup>, JSdSS<sup>+21</sup>, KGL22, LSS<sup>+10</sup>, LSS<sup>+09</sup>, MDAW<sup>+19</sup>, MS02, MMPG07, Reb02, SGL<sup>+18</sup>, SGA<sup>+19</sup>, SON<sup>+20</sup>, SAd<sup>+17</sup>, Spr08, VYGMM<sup>+17</sup>, VDB<sup>+20</sup>, Woo18]. **tribute** [Ano20u, SMB88, WR03]. **Trichodesmium** [LMT<sup>+19</sup>, McK15]. **tridens** [AHRT90]. **Trieste** [Her88]. **trigger** [RFKC16]. **triggers** [HS22].

**trispinosus** [AHRT90]. **tritium** [MBB<sup>+96</sup>, SBK<sup>+95</sup>]. **Trophic**

[BWB<sup>+09</sup>, CARBML<sup>+22</sup>, CDP14, DKRL22, Dol09, FMM<sup>+20</sup>, GCP08, HLTB<sup>+17</sup>, KSS<sup>+23</sup>, MGS90, PPHM18, SBC<sup>+16</sup>, SPG<sup>+06</sup>, TTB<sup>+08a</sup>, TTB<sup>+08b</sup>, THM<sup>+06</sup>, WDC<sup>+11</sup>, YLL19, YGMR<sup>+23</sup>, ALM<sup>+23</sup>, AHW<sup>+15</sup>, BAM<sup>+09</sup>, BCGN<sup>+18</sup>, Car98, CMF<sup>+09</sup>, CAT<sup>+08</sup>, CSG<sup>+15</sup>, CCB<sup>+20</sup>, DDDT99, EBM<sup>+20</sup>, EBM<sup>+21</sup>, EBD<sup>+20</sup>, ESD<sup>+21</sup>, FAB<sup>+09</sup>, FDB<sup>+21</sup>, FK99, GSFP<sup>+09</sup>, GSVB23, GWM<sup>+22</sup>, GCD<sup>+13</sup>, GAPM16, HBG<sup>+21</sup>, HSL96, IPG<sup>+16</sup>, KSB<sup>+22</sup>, KLC<sup>+15</sup>, LLL<sup>+11</sup>, LCBN14, LMS10, LPHL<sup>+05a</sup>, LSMG01, LLAPG<sup>+22</sup>, LvIKB07, MPC<sup>+17</sup>, NYL<sup>+17</sup>, NRA<sup>+21</sup>, PCH<sup>+08b</sup>, RSW<sup>+23</sup>, RPRCAG<sup>+21</sup>, SSS<sup>+11</sup>, SF02, SHD<sup>+21</sup>, STM10, Sie88, SPH<sup>+15a</sup>, SPMVP05, SNMW10, SIB<sup>+06</sup>, SSW<sup>+09</sup>, Tan99, TWMY08, TSS<sup>+12</sup>, TMKJ<sup>+09</sup>, TAM<sup>+13</sup>, TS10, YZX<sup>+23</sup>, YWUK15]. **trophic-level** [SIB<sup>+06</sup>]. **trophodynamic** [PL09]. **trophodynamics** [CFML22, EB08]. **Tropical** [ABD<sup>+17</sup>, EBM<sup>+21</sup>, MPSS91, SKH00, VVV21, WFBN<sup>+13</sup>, WLL06, AALM06, ASR<sup>+20</sup>, BPF06, BHS<sup>+15</sup>, Bri79, CPC<sup>+15</sup>, DN07, DNNNN16, Don87, Don94, FÁFL06, FT06, FL06, FLUC08, GLY23, GdRGC<sup>+14</sup>, GAM98a, GAM98b, GA00, Gri22, HKK12, HMPZ11, HNSP<sup>+19</sup>, JLP<sup>+20a</sup>, JLP<sup>+20b</sup>, JSKM02, KSV08, Kes06, LRAE23, LFA<sup>+06</sup>, LYM12, Leh01, LOO22, LSW<sup>+21</sup>, MZH<sup>+23</sup>, MRA<sup>+19</sup>, MMR<sup>+12</sup>, MNM06, MFM85, OHC<sup>+17</sup>, OCH<sup>+18</sup>, PTP<sup>+22</sup>, PMK<sup>+06</sup>, PGS<sup>+22</sup>, PHCA17, PFE10, RDL<sup>+91</sup>, RHB23, RASVB<sup>+22</sup>, SBC<sup>+16</sup>, SBM91, SCY<sup>+23</sup>, THBA19, Thu90, TŠT<sup>+17</sup>, VMN08, WF06, WF07, Yu23, dPGSHL23, AKAL20, EBM<sup>+20</sup>, PTZ<sup>+23</sup>]. **tropical-subtropical** [RASVB<sup>+22</sup>]. **tropicalize** [FSAO22]. **tropics** [MBH<sup>+01</sup>]. **Trough** [GD85, DDCE<sup>+23</sup>, Rot65, ZLC<sup>+15</sup>]. **Trougho** [DYL<sup>+15</sup>]. **troughs** [MIN<sup>+20</sup>]. **trout** [SKGS20, WBF<sup>+21</sup>]. **tsunami** [CLB<sup>+14</sup>, DLM91, RV17]. **Tsushima** [BC88, IMW<sup>+14</sup>, KMOM88, KL86, MK86, MKM86, MWO<sup>+12</sup>, Sek86, TOiF<sup>+12</sup>, TKW06, TKWI08, YKWF21]. **Tsushima/Korea** [MWO<sup>+12</sup>]. **tuna** [AQVB<sup>+10</sup>, BMC<sup>+10</sup>, DFH<sup>+16</sup>, FFT<sup>+18</sup>, HLTB<sup>+17</sup>, HHP10, JTGM10, KKKY10, KAK<sup>+22a</sup>, KTIT22, LSM08, LSS<sup>+10</sup>, LOBG<sup>+10</sup>, MMIB10, Mau10, McI10, NXT<sup>+17</sup>, OPG<sup>+10</sup>, PMM<sup>+23</sup>, PYKF15, PGS<sup>+22</sup>, RDP<sup>+21</sup>, SBC<sup>+16</sup>, SSL08, XNT<sup>+17</sup>]. **tuna-like** [LSM08]. **tunas** [DAIS10, GA10]. **tunicate** [MM90]. **tunicates** [LSH<sup>+22</sup>]. **Tunisia** [FTG<sup>+18</sup>]. **turbid** [LHE<sup>+13</sup>, SLM<sup>+16</sup>]. **turbiditic** [CBD<sup>+24</sup>]. **Turbidity** [MH02, PGRP<sup>+18</sup>]. **turbulence** [BCG<sup>+08</sup>, FG16, HHK<sup>+02</sup>, XD95, vHCY<sup>+20</sup>]. **turbulence-** [FG16]. **Turbulent** [Gar06, BIST01, GD91, PTF10, PTF12, PCBA<sup>+20</sup>, TYO<sup>+14</sup>, YYT<sup>+14</sup>]. **Turks** [Ché14]. **turnover** [CC23, CRC<sup>+19</sup>, CJ92, KKKS14, RSD<sup>+90</sup>, STHM02]. **turtle** [CdTH<sup>+16</sup>]. **turtles** [CBB<sup>+22c</sup>, MHR<sup>+10</sup>]. **Twelve** [GAM98a, GAM98b]. **twentieth** [LSW02, RD11, WBH15]. **twentieth-century** [RD11]. **Twilight** [VLCCP14, HSLG11, MLHE23]. **Two** [BAARB05, JIT<sup>+01</sup>, LOO22, MMK19, WJPHB15, ABD<sup>+17</sup>, ATC<sup>+19</sup>, AKH<sup>+23</sup>, BFP<sup>+18</sup>, BKC15, CBM<sup>+21</sup>, DM13, DLL<sup>+23</sup>, DSC<sup>+19</sup>, DAU22, EMU<sup>+23</sup>, FB01, GvOS<sup>+08</sup>, HGH<sup>+19</sup>, HBH<sup>+17</sup>, JG90, Kaw86, KOT<sup>+21</sup>, LO07, LNB13, McD81a, MSA<sup>+22</sup>, MMG<sup>+11</sup>,

MHCS<sup>+23</sup>, MSFZ19, MCGS<sup>+16</sup>, OMS<sup>+15</sup>, RAG<sup>+19</sup>, SWT<sup>+17</sup>, SBLA10, SHC<sup>+06</sup>, SHC<sup>+07</sup>, SJD10, WSH15, YYK<sup>+12</sup>, vFB82, vPRT90].  
**two-dimensional** [Kaw86]. **two-layer** [McD81a]. **two-mode** [vFB82].  
**two-source** [SHC<sup>+06</sup>, SHC<sup>+07</sup>]. **Two-way** [BAARB05]. **Tyler** [Ang80].  
**Type** [NP00, BPA<sup>+21</sup>, JSdSS<sup>+21</sup>, TSL10]. **types**  
[FLdST98, HLK13, IVR<sup>+13</sup>, KCL<sup>+12</sup>, LBP<sup>+21</sup>, Nie07, SN24, YYK<sup>+12</sup>].  
**typhoon** [DL17, GLY23, HLS<sup>+14b</sup>, PLK14, vHCY<sup>+20</sup>, WZC20]. **typhoons**  
[MK12, DFC<sup>+21</sup>]. **Typical** [Kra69]. **typicus**  
[BLHB07, BHLU<sup>+07</sup>, CCG07, CH07b, CBHL07, DK07, IMHL07, MCD<sup>+07</sup>].  
**Tyrrhenian** [ALG<sup>+21</sup>, CFM<sup>+18</sup>, GCLD19, NIC<sup>+19</sup>, PRA<sup>+18</sup>].

**U** [ST65, AYK<sup>+05</sup>, TAF<sup>+22</sup>]. **U.S** [Ang79a, CTKF<sup>+23</sup>]. **U.S.**  
[ CZG<sup>+21</sup>, KFM<sup>+17</sup>, RSK<sup>+23</sup>, WLM<sup>+22</sup>, WH89, dPCS23]. **U.S.\$69.00**  
[SW81]. **U.S.A** [Ban65]. **U.S.A.** [Let87]. **U/Th** [TAF<sup>+22</sup>]. **UAVs** [Ric15].  
**ubiquitous** [BD20, EGPM<sup>+15</sup>]. **UK** [CWB<sup>+22</sup>, SV97]. **Ulleung** [LXC<sup>+22</sup>].  
**Última** [MPTMK22]. **ultraabyssalis** [AM19]. **ultrahigh** [ZBY<sup>+22</sup>].  
**ultraphytoplankton** [CGD<sup>+18</sup>]. **ultrastructure** [JG90]. **unaccounted**  
[CMF15]. **Uncertainties** [FRV<sup>+19</sup>, ZD17, JVJ<sup>+17</sup>]. **Uncertainty** [LS20,  
TLP<sup>+16</sup>, BMN19, CSBL<sup>+15</sup>, LIH<sup>+12</sup>, MLHE23, MCB<sup>+10</sup>, MCH<sup>+12</sup>, Oll15].  
**uncertainty-based** [BMN19]. **uncommon** [MS02]. **Uncorrelated**  
[WPB<sup>+08</sup>]. **under-ice** [KSB<sup>+22</sup>]. **Undercurrent**  
[Luk86, JC04, Kos02, TJ73, Yos80, MZH<sup>+23</sup>, TLF<sup>+89</sup>]. **Underground**  
[NF87]. **underlying** [BLR<sup>+23a</sup>]. **underpin** [HBD<sup>+18</sup>]. **underrated** [AM10].  
**understand** [BMG13, CWS<sup>+21</sup>, CRiI<sup>+15a</sup>]. **Understanding**  
[BT07, GWS<sup>+23</sup>, HLS<sup>+14a</sup>, KSK<sup>+15</sup>, PCK<sup>+06</sup>, RKC<sup>+10</sup>, VAEP24, YYK<sup>+12</sup>,  
ABC<sup>+99</sup>, CDL19, FGS<sup>+23</sup>, MSI17, RAB<sup>+11</sup>, Smi05]. **underwater**  
[Ban96, Jer65, Kaw86, KHM<sup>+88</sup>, RZTD17]. **undescribed** [HCV<sup>+20</sup>].  
**undesirable** [McK08]. **undulating** [RCM<sup>+03</sup>]. **uneven** [YHRT22].  
**unexpected** [LZF<sup>+24</sup>]. **unexploited** [hHRW<sup>+05</sup>]. **unicellular** [AV23].  
**unicorns** [Mar20]. **unified** [CEF<sup>+13</sup>]. **Uniform** [VMB<sup>+22b</sup>, FWL<sup>+15</sup>].  
**Unifying** [CW06, BRG<sup>+15</sup>, CWW15, WCB<sup>+20b</sup>]. **Unimak** [STGR<sup>+23</sup>].  
**unique** [BJMP19, BJMP20, vRGW10]. **United** [Bum73, Eme65]. **Uniting**  
[RK20]. **units** [FCEZ10]. **univariate** [SBM91]. **unknowns** [OHH<sup>+22</sup>].  
**unprecedented** [VMB<sup>+22a</sup>]. **unpredicted** [dSSDS<sup>+20</sup>]. **Unraveling**  
[Oll15, SBMB18, ZCV<sup>+19</sup>]. **Unravelling** [DLL<sup>+23</sup>, HPNDC15].  
**unsaturated** [WPB<sup>+08</sup>]. **unselective** [DAF<sup>+22a</sup>, DAF<sup>+22b</sup>]. **unstable**  
[dSPF<sup>+23</sup>]. **Unstructured** [CTA16]. **unsupervised** [MMF<sup>+17</sup>]. **Unusual**  
[AB90, CB06, KO19, RPSC22]. **unusually** [ZWM<sup>+15</sup>]. **Unveiling**  
[PTPY<sup>+23</sup>, TTF<sup>+22</sup>]. **Updated** [GGT<sup>+15</sup>, CR20, PHKS17]. **Updating**  
[VYGMM<sup>+17</sup>]. **Upper** [GCED22, MMR<sup>+12</sup>, PS91, PP85, WLM07, BHHR15,  
CWZ<sup>+20</sup>, Dur09, GR17, GBC<sup>+16</sup>, GGG<sup>+18</sup>, HWPLvW20, HKL<sup>+15</sup>,  
HGTP<sup>+19</sup>, HTdM<sup>+15</sup>, HLSX22, HDB13, JSKM02, KMS<sup>+24</sup>, KVNT20,  
LZL<sup>+22</sup>, LGZW22, LH89, MR06, MWS<sup>+10</sup>, MK12, NDEG22, NH88b,  
RGPB<sup>+23</sup>, SIB<sup>+06</sup>, Tsu86, WGZZ19, Whi95, ZHBW01, SW21]. **Upper-level**

[PS91]. **Upper-ocean**  
[WLM07, GR17, HKL<sup>+15</sup>, HTdM<sup>+15</sup>, LGZW22, MK12]. **Upstream**  
[LS85, ESTM<sup>+12</sup>]. **Uptake** [FCG88, CKM<sup>+21</sup>, HMPZ11, WCC<sup>+20</sup>].  
**upwelled** [HHB<sup>+01</sup>, HW02]. **Upwelling**  
[AH80, Ano09h, CM09, FBA09, FAB<sup>+09</sup>, JIT<sup>+01</sup>, PSM<sup>+22</sup>, SCD<sup>+07</sup>, SE16,  
VNMS91, AJA<sup>+22</sup>, ÁSDB<sup>+01</sup>, AMEV07, AAM<sup>+14</sup>, AMG<sup>+16</sup>, AJHC19,  
ABT<sup>+04</sup>, ABÁS<sup>+09</sup>, AVK91, AE09, BC91, BGM<sup>+01</sup>, BAT<sup>+98</sup>, BIST01,  
BA04, BFR13, BLT<sup>+15</sup>, BFB<sup>+20</sup>, BEP02, BFH01, BCM<sup>+02</sup>, BWB<sup>+09</sup>,  
BAOC<sup>+09</sup>, BF01, BM07, Bri83, BHHS83, BCL<sup>+09</sup>, BLMR<sup>+20</sup>, CTF07,  
CED09, CB91, CJMI<sup>+91</sup>, CCD<sup>+13</sup>, CNBD21, CS04, DLM<sup>+12</sup>, Dem09,  
DRVMC<sup>+22</sup>, EALF08, ES07, EHG<sup>+07</sup>, EM12, EHFD12, EBvdL<sup>+09</sup>, FC07,  
FTSF21, FFA09, FEGA<sup>+14</sup>, FAAV<sup>+15</sup>, FLDF22, FELJ16, FPS<sup>+09</sup>, FWBC02,  
GMBU12, GRLS14, GSVB23, GDL<sup>+15</sup>, GCB<sup>+22</sup>, GEO09, GGPG<sup>+19</sup>,  
GMAB07, GCP08, HPS<sup>+01</sup>, HYM<sup>+12</sup>, HE07, HEF<sup>+12</sup>, HHMB<sup>+09</sup>, HNR<sup>+17</sup>,  
HVEF09, Huy83, IVT<sup>+12</sup>, JJA<sup>+17</sup>, JW01a, JRW01, KCPM09, KSC10,  
KHJ<sup>+10</sup>, LOG<sup>+09</sup>, LDB<sup>+02</sup>, LPF<sup>+21</sup>, LWBD<sup>+17</sup>, MRA<sup>+19</sup>, MERB12].  
**upwelling** [MCG<sup>+02</sup>, MMES16, MLK<sup>+09</sup>, MC15, MIW91, Mit83, MMF<sup>+12</sup>,  
MDC<sup>+07</sup>, MHCR<sup>+12</sup>, MA12, MDL<sup>+12</sup>, NMC<sup>+09</sup>, NH83, NIF<sup>+15</sup>, O'B83,  
OAWAN18, OÁSG<sup>+16</sup>, PAM<sup>+88</sup>, PD15, PBS22, PWMIM91, PP10, PFHM10,  
QCdS<sup>+07</sup>, RCGC<sup>+16</sup>, RBNJ<sup>+12</sup>, RF17, RÁSG<sup>+13</sup>, RAG<sup>+19</sup>, RR01,  
RBS<sup>+09</sup>, SLG<sup>+12</sup>, SFMA20, SNV<sup>+18</sup>, SMR<sup>+20</sup>, SDGVE17, Sch83, SHD<sup>+21</sup>,  
SAM<sup>+04</sup>, SGO<sup>+08</sup>, SC23, SW01, Sma10a, Sma10b, ST10, SM05, SBD<sup>+07</sup>,  
SAd<sup>+17</sup>, SDS<sup>+22b</sup>, SKRM<sup>+95</sup>, SÖÜ94b, TNC<sup>+09</sup>, TSAM<sup>+22</sup>, TSS<sup>+12</sup>,  
TFM03, TPRS10, VSGC21, VDS<sup>+18</sup>, VAEP24, Ver91, WP91, WFS<sup>+15</sup>,  
YHLA<sup>+04</sup>, Yos80, ZHBW01, vFB82]. **upwelling-induced** [TSAM<sup>+22</sup>].  
**upwellings** [Ver92]. **Upwind** [Ric15, Sac16]. **Uranium** [KG65].  
**Uranium-234** [KG65]. **Uranium-234/uranium-238** [KG65].  
**uranium-238** [KG65]. **urban** [XYK<sup>+22</sup>]. **Urup** [ITO<sup>+14</sup>]. **US\$50.00**  
[Ang88]. **US\$90** [Bak83]. **USA** [FMC<sup>+20</sup>, PD15]. **Use**  
[BDE03, CSC<sup>+12</sup>, CQO<sup>+15</sup>, CL03, FGS<sup>+23</sup>, LVGH<sup>+15</sup>, LSV14, LIH<sup>+12</sup>,  
LMP22, PMM<sup>+23</sup>, ROBRB<sup>+22</sup>, SvN04, SSB14, SAB<sup>+22</sup>]. **used**  
[CQO<sup>+15</sup>, QSC<sup>+15</sup>]. **users** [Ang79a]. **uses** [Ste12]. **Using**  
[HLP<sup>+16</sup>, KHJ<sup>+10</sup>, LSD<sup>+15</sup>, MSMH19, PYKF15, RRS03, RWJ<sup>+06</sup>, RKK<sup>+21</sup>,  
Szu12, TSS<sup>+12</sup>, ARD<sup>+03</sup>, ASJ<sup>+23</sup>, AKAL20, AHC<sup>+13</sup>, BBE<sup>+15</sup>, BPA<sup>+21</sup>,  
BECA22, BGA<sup>+21</sup>, CLMR23, DPH<sup>+18</sup>, DLJ<sup>+21</sup>, EiIT<sup>+22</sup>, FVA<sup>+19</sup>,  
FDHT05, FRV<sup>+19</sup>, FACM<sup>+23</sup>, GKC<sup>+14</sup>, GL06, GDN<sup>+18</sup>, GTNK21,  
GiIKX22, HMRB<sup>+03</sup>, HSC09, HOY<sup>+21a</sup>, JZ19, JJA<sup>+08</sup>, KHL12, KSK<sup>+15</sup>,  
KM22, KPSB17, LHE<sup>+13</sup>, LvBS<sup>+24</sup>, LLX<sup>+21</sup>, MMG<sup>+13</sup>, MNT14, NDEG22,  
NGLL<sup>+22</sup>, NBLI20, OP18, OIC<sup>+23</sup>, ON22, Owe91, PM22, PHC<sup>+19</sup>, RK20,  
RFC<sup>+15</sup>, SGL<sup>+18</sup>, iSIS02, SNV<sup>+18</sup>, SPC<sup>+23</sup>, SBFP21, SZG06, Sme93,  
SNS<sup>+22</sup>, TCL20, TMR<sup>+21</sup>, TS10, VMH<sup>+21</sup>, VBM21, WM13, WSL20, WSS15,  
WZC20, XRC<sup>+15</sup>, YSS14, YGL<sup>+10</sup>, YYhT<sup>+17</sup>, ZCD08, ZCH<sup>+17</sup>, dIGFM<sup>+23</sup>].  
**utilization** [BGM<sup>+10</sup>, CCH<sup>+12</sup>, CJ92, NKK<sup>+05</sup>, XYGJ23]. **utilizing**  
[UGY<sup>+22</sup>]. **UV** [FWH<sup>+17</sup>].



**V** [AYH<sup>+</sup>23, NMN08, WR03, Ano92i, SKF20]. **Validation** [TLH<sup>+</sup>15, TSJ<sup>+</sup>12, DHB<sup>+</sup>21, HM00b]. **valley** [CSR90, JFEC13]. **valleys** [She65]. **value** [BBB<sup>+</sup>21, HWB<sup>+</sup>18]. **values** [SSVP00, VYGMM<sup>+</sup>17]. **Vancouver** [SL13, VSGD21]. **vaquita** [RPRCAG<sup>+</sup>21]. **Var** [KCL<sup>+</sup>12, WSO01, MZGA<sup>+</sup>20]. **variabilities** [QNK<sup>+</sup>22, XWW<sup>+</sup>21]. **Variability** [ABT<sup>+</sup>04, APHGC<sup>+</sup>22, BRR<sup>+</sup>22, BATNP04, CWB<sup>+</sup>22, Col69, CF07, DDK<sup>+</sup>18, FP03, FBS22, Fra69, FDH20, HSH<sup>+</sup>19, JJJ<sup>+</sup>19, Kaz17, LLGS21, MRSS02, MEMP15, MLS<sup>+</sup>15, MIH06, Mid69, MA12, NM17, OOTA15, RFSCF19, SKSK06, SON<sup>+</sup>20, SKRM<sup>+</sup>95, TKC<sup>+</sup>22, WLD<sup>+</sup>15, dPAJ07, ASFB<sup>+</sup>13, APC<sup>+</sup>12, ÁSFP<sup>+</sup>03, ABÁS<sup>+</sup>09, AVK91, BSC<sup>+</sup>19, BC91, Bak01, BDB<sup>+</sup>04, BAM<sup>+</sup>09, BN03, BGM<sup>+</sup>01, BTS<sup>+</sup>15b, BRB<sup>+</sup>01, BGMP03, BCOL<sup>+</sup>19, BMC17, BMC05, BSC<sup>+</sup>07, BMNW01, BLCL14, BDG<sup>+</sup>17, BHPC06, BPSGP<sup>+</sup>23, BL02, BM86, BPM<sup>+</sup>14, CNT<sup>+</sup>19, CBC<sup>+</sup>06, CDB<sup>+</sup>22, CM14a, CCW<sup>+</sup>02, CLB<sup>+</sup>13, CB91, CSS<sup>+</sup>19, CLY22, CHC<sup>+</sup>12, CS03, CB17, CPSM20, CJMI<sup>+</sup>91, CD07, CCD<sup>+</sup>13, CM18a, CF12, CRHM12, CKL<sup>+</sup>14, CM14b, CM18b, CDB<sup>+</sup>24, DLM<sup>+</sup>12, DBC<sup>+</sup>23, DBC<sup>+</sup>18, DFM<sup>+</sup>21, DRE<sup>+</sup>08, DIM09, Dri11, DBM17, Dur09, ESTM<sup>+</sup>12, ESTM13, ESA<sup>+</sup>13, EM12, FTSF21]. **variability** [FJA<sup>+</sup>21, FDHT05, FKZ<sup>+</sup>15, FP15, FBM<sup>+</sup>08, FFT<sup>+</sup>18, GMBU12, GSM<sup>+</sup>17, GR17, GCB<sup>+</sup>22, GBC<sup>+</sup>00, GA10, GDSCU09, GGAA<sup>+</sup>23, GMAB07, GSPMAI99, GJ00, GIPG17, GTS<sup>+</sup>21, GVKD<sup>+</sup>13, GLLB22, HSMLDC<sup>+</sup>22, Has82, HDZY15, HMB<sup>+</sup>86, HLM<sup>+</sup>13, HYM<sup>+</sup>12, HE07, Hol00, HHW01, HHW22, HHH<sup>+</sup>12, HHP10, hHRW<sup>+</sup>05, HHZ<sup>+</sup>22, HDB13, HBD<sup>+</sup>18, ILA21, ISM<sup>+</sup>02, IAFD02, Iwa23, JSA<sup>+</sup>08, JX18, JFUR20, JCIG18, JCM<sup>+</sup>21, JFEC13, JOBT05, KK20, KKB00, KRL08, KST<sup>+</sup>10, KLB<sup>+</sup>21, KTH<sup>+</sup>21, KY15, KKK<sup>+</sup>04b, KC15, KSK<sup>+</sup>15, KKKY10, KMSTK23, Kra82, KYS<sup>+</sup>17, KRL<sup>+</sup>22, LT06, LAA12, LBC<sup>+</sup>23, LBSP01, LSC12, LSD<sup>+</sup>18, LNB13, LO21, LMC<sup>+</sup>20, LCGH07, LHW<sup>+</sup>20, LW12, LS15, LBD11, MZH<sup>+</sup>23, MT99, MPV12, MMR<sup>+</sup>12, Man69, MDB<sup>+</sup>20, MBdM<sup>+</sup>18, MZF<sup>+</sup>08, MRAP22, MCD<sup>+</sup>07, MBH<sup>+</sup>01, MNM06, MM99, Min00, MIW91, Mol04, Mol22, MHCR<sup>+</sup>12, Mos69, MBD<sup>+</sup>09]. **variability** [MKSW<sup>+</sup>15, MSL<sup>+</sup>07, MW96, MJWK07, MDR22, NNM<sup>+</sup>21, NGPH10, NRA17, OACA20, OLN<sup>+</sup>18, OMS<sup>+</sup>15, OPH<sup>+</sup>24, OACB<sup>+</sup>15, Owe91, PTP<sup>+</sup>22, PSP<sup>+</sup>21, PS23, PCSMC12, PMA<sup>+</sup>14, PELAA18, PL01, PV07, PFW15, PAM<sup>+</sup>88, PDAM<sup>+</sup>15, PS98, PZA<sup>+</sup>15, PCH08a, PHC<sup>+</sup>19, PLJR22, PWMIM91, PVA24, PVV23, PTI00, QLW10, RWD01, RM93, RvBD<sup>+</sup>22, Ric01, RL23, RBPGJ<sup>+</sup>20, RB20, RPRCAG<sup>+</sup>21, Rog00, RCF<sup>+</sup>13, RÁSG<sup>+</sup>13, RGM01, RBE<sup>+</sup>12, RDP<sup>+</sup>21, iSIS02, SLM<sup>+</sup>16, SSQ19, SGWF<sup>+</sup>19, STB<sup>+</sup>92, SF15, Sha82, SAM<sup>+</sup>10, SSSL16, STJ<sup>+</sup>14, SNZ<sup>+</sup>20, SAB<sup>+</sup>21, SEG<sup>+</sup>22b, ST10, SAT<sup>+</sup>22, SKP99, Spr08, SPB93, SJ02c, SJM<sup>+</sup>19, STR01, SOA<sup>+</sup>23, SP08, SNS<sup>+</sup>22, TBW09, TvW98, TCL20, TAO05, TS10, TSBS18, iUMY86, VSGC21, VSC01, VGLCS06, VAEP24, Ver91, VEM<sup>+</sup>21, WM13, WP91, WF06, WF07, WSL20, WCS<sup>+</sup>23, Whi95, WHI<sup>+</sup>02, XDG<sup>+</sup>23]. **variability** [YIY<sup>+</sup>04, YBS<sup>+</sup>01, YS15, YPVP<sup>+</sup>22, YPM<sup>+</sup>10, YMK<sup>+</sup>04, Zav99, ZSI<sup>+</sup>05, dMM69]. **Variable** [LTG85, AAM<sup>+</sup>14, Fla02, Fly10, KAG<sup>+</sup>19,

MRM<sup>+14</sup>, MAH<sup>+15</sup>, PVA24, SBD01]. **variables**  
 [BFP<sup>+18</sup>, BPSN<sup>+21</sup>, CSV<sup>+07</sup>, FACM<sup>+23</sup>, LLAPG<sup>+22</sup>, MNT14, NM17,  
 PCC<sup>+19</sup>, TIOM16, WLKM10]. **Variation**  
 [CS03, EHFD12, FSVL10, HBH<sup>+17</sup>, OCH<sup>+18</sup>, VKJ<sup>+23</sup>, YKWF21, AC85,  
 BMM01, BLP93, BPSN<sup>+21</sup>, CMHM18, CCHV<sup>+21</sup>, CSK<sup>+12</sup>, DMBB02,  
 DIQJ21, DBR20, EHG<sup>+07</sup>, FELJ16, FG16, GDM<sup>+20</sup>, GWM<sup>+22</sup>, HM98,  
 HRSM08, HVEF09, IIS<sup>+17</sup>, iIRM<sup>+15</sup>, IU14, JZZY24, Joh04, KSVT00,  
 KFKO03, KON14, Kli10, LC12, LYS<sup>+22</sup>, LdCSB<sup>+20</sup>, MLB<sup>+20</sup>, MLD<sup>+03</sup>,  
 MST<sup>+23a</sup>, MZ14, MPC<sup>+17</sup>, MCT03, NTU<sup>+14</sup>, NO14, RBNJ<sup>+12</sup>, Rou65,  
 SIR<sup>+07</sup>, SCS<sup>+18</sup>, Sek88, SH09, SiSi<sup>+02</sup>, SLBH<sup>+19</sup>, SEG<sup>+22b</sup>, SGR<sup>+22</sup>,  
 TM13, TOiF<sup>+12</sup>, THP21, VHK03, VHK04, WHT86, WLM<sup>+13</sup>, WHK23,  
 XRC<sup>+15</sup>, YYC<sup>+18</sup>, Yin88, YBPS08, YYhT<sup>+17</sup>, ZLC<sup>+15</sup>, ZK06, ZSY<sup>+22</sup>].  
**Variational**  
 [SO91, GAM98a, GAM98b, GA00, MAB<sup>+11c</sup>, MAB<sup>+11a</sup>, MAB<sup>+11b</sup>, Suk88].  
**Variations** [NF06, SNR<sup>+10</sup>, SCC14, WHS17, WXH07, ZLS<sup>+04</sup>, BFB<sup>+20</sup>,  
 BF01, BHMS09, Car98, CGC<sup>+20</sup>, CR97, CSC<sup>+12</sup>, Con87, CLL<sup>+18</sup>, CRF<sup>+10</sup>,  
 CW02, DWH<sup>+14</sup>, DVL<sup>+99</sup>, DWNN04, Don87, ESD<sup>+21</sup>, FCN<sup>+19</sup>, GML<sup>+23</sup>,  
 GdRGL<sup>+01</sup>, GHG<sup>+24</sup>, Her88, Hut87, Igu04, IHT<sup>+21</sup>, JG07, KP03, KKNT23,  
 KOhL<sup>+10</sup>, KMWF11, KSP<sup>+23</sup>, LMPB<sup>+16</sup>, LSY<sup>+14</sup>, LO07, LYM12,  
 lLdZQ<sup>+22</sup>, LZL<sup>+22</sup>, LXC<sup>+22</sup>, LSMG01, LSXT01, LLX<sup>+21</sup>, LS12, MLL<sup>+22</sup>,  
 MHS<sup>+20a</sup>, MHS<sup>+20b</sup>, MTC12, MPSD15, MWO<sup>+12</sup>, Nag01, ORB<sup>+18</sup>, PO00,  
 PD15, RSB<sup>+01</sup>, RBL<sup>+19</sup>, SKH<sup>+23</sup>, Sek99, SGS<sup>+23</sup>, SNZ<sup>+20</sup>, SPB<sup>+02</sup>, Sie69,  
 SLPA<sup>+20</sup>, SEG22a, SQJ<sup>+17</sup>, TMN<sup>+12</sup>, VK90, VCM04, WGZZ19, WGM<sup>+24</sup>,  
 YKS<sup>+12</sup>, YMA<sup>+17</sup>, YN20]. **varies** [UKM<sup>+14</sup>]. **various**  
 [Cai95, JYK<sup>+14</sup>, OSH<sup>+96</sup>]. **vary** [BBL<sup>+18</sup>, CBL<sup>+19</sup>]. **Vector**  
 [VSP14, DDJ<sup>+21</sup>]. **vectors** [HKK12]. **vehicle** [KHM<sup>+88</sup>]. **velocities**  
 [DW02]. **velocity** [CSS<sup>+19</sup>, LGZW22, NH88a, Nee85, PSP<sup>+21</sup>, Szu12].  
**Vema** [Zen08]. **Venice** [Pir87, DFD23, FBB<sup>+21</sup>]. **vent**  
 [JP90, JG90, TJ90, VMB<sup>+22a</sup>, WLP<sup>+21</sup>]. **ventilated** [LPW<sup>+23</sup>].  
**Ventilation** [SASH08, NJCD01, PGC<sup>+96</sup>, UKM<sup>+14</sup>]. **vents**  
 [MSV<sup>+14</sup>, WLP<sup>+21</sup>]. **Verde** [VFCC<sup>+22</sup>, CCRS20]. **vernal** [LMA<sup>+15</sup>].  
**versus** [CMF15, JPBB20, JJA<sup>+08</sup>, NYL<sup>+17</sup>, Peñ24, PSM<sup>+22</sup>, VBAC<sup>+21</sup>,  
 CSG<sup>+15</sup>, MPN09]. **vertebrate** [HSG<sup>+15</sup>]. **Vertical**  
 [Ang89, BIST01, DRE<sup>+08</sup>, DAU22, EiIT<sup>+22</sup>, GBB<sup>+20</sup>, HGD22, HSLG11,  
 HKY<sup>+11</sup>, HCGK11, JC04, MSMR93, ORW<sup>+01</sup>, PLHLF05, RBF<sup>+09</sup>,  
 TMPM<sup>+16a</sup>, VK92, WYT00, WGG<sup>+08</sup>, YNMY23, YKNO23, ASC07,  
 Ang79b, ABT<sup>+04</sup>, AHRT90, Ban64, BEP02, BGM<sup>+10</sup>, BRG<sup>+23</sup>, CDL<sup>+22</sup>,  
 CTF07, CFG07, CF12, EBM<sup>+20</sup>, EBM<sup>+21</sup>, GNH19, GSPMAI99, HLM<sup>+13</sup>,  
 KNSN<sup>+09</sup>, KGB<sup>+23</sup>, KVNT20, KSKN21, KHP<sup>+18</sup>, LGZW22, LFI<sup>+13</sup>,  
 MGWZ20, NTU<sup>+14</sup>, NNM<sup>+21</sup>, NMN08, OACA20, OHC<sup>+17</sup>, OCH<sup>+18</sup>, Oll15,  
 OAWAN18, PTM<sup>+22</sup>, PG13, PNF<sup>+21</sup>, RS10, RG94, SK17, SBB<sup>+22</sup>,  
 SDS<sup>+22b</sup>, UCB<sup>+18</sup>, UPPS<sup>+21</sup>, VLCCP14, WCX<sup>+21</sup>, WSH<sup>+22</sup>, YYT<sup>+14</sup>,  
 ZGB<sup>+20</sup>, ZSH<sup>+24</sup>, dPGSHL23, BM76, Roe84a, RB84]. **vertical-habitat**  
 [BGM<sup>+10</sup>]. **very** [Nof00]. **vessel** [BOG20]. **vessels** [Wüs64]. **via** [HPB<sup>+09</sup>].

**viability** [SJJ+03]. **Vicariance** [Whi94]. **vicinity** [Ang89, LPF+20, Nay65, VOT+99]. **video** [BTNK13]. **Vietnamese** [LWBD+17]. **view** [CBGC+08, PAB+21, Pra91, SBM+23, SBB+14, SJ02a, YSD15]. **views** [RBD+07, SW12]. **Vigo** [BLT+15]. **Vilhjálmsson** [Ano13g]. **Villefranche** [LSIC12]. **villosus** [BSF+21, CGV13a, CGV13b, MMD+16, RMB+01]. **viral** [CRC+19, HLSX22]. **virtual** [WPB05]. **viruses** [RCC+18]. **viscosity** [BBS21, BBS23]. **visible** [VNMS91]. **vision** [EB08]. **Visual** [CAO+20]. **vital** [FCEZ10, LRJ+15]. **vitro** [GTR01, TGR05, PMMN+22]. **vitulina** [LAP10, RNL+13]. **Vivaldi** [PGC+96]. **Vladimir** [Ano20u]. **vocalizing** [MSC+15]. **void** [SEW11, Soh03]. **Vol** [Ang79a]. **volcanics** [Nay65]. **volcanoes** [ZMCD11]. **Volume** [Jón07, Ano64a, Ano85a, RBS+20, RBS+22, Sek88, VAGMDRS22, ZSH+24]. **volumes** [Ano65c, Ano65d, Ano69b, Ano73b, Ano85c, Ano86a, Ano87a, Ano89a, Ano92a]. **volumetric** [BBMR19]. **vortex** [FHL+24]. **vortices** [MBS20]. **vorticity** [CSS+19, KWI20, McD88, Sak86]. **Vries** [NP00]. **Vries-Type** [NP00]. **vs** [CMM+04, CCD+13, ERT+22, HBD+18, LPF+18]. **vs.** [CPNL07]. **vulcanism** [AB65]. **vulgaris** [OÁSG+16]. **vulnerability** [ECFT20, LHC+21, MDR20, ORPRGIS22, RLR+18]. **vulnerable** [BECA22, LML+23].

**W** [BM76, CMJPH+18, FMSBW13, Hen85, HBH+17, JG07, STPHM+23]. **waist** [FAB+09, GAF15, HM06, Bak06]. **Waitz** [Dea85]. **Wakasa** [iUMY86]. **wake** [HLS+14b]. **Wakefield** [Ang80]. **walled** [ZHBW01]. **Walleye** [PDAM+15, BCB+05, GTS+21, MLPN06, YNM+02]. **Warm** [IMW+14, Par86, TCN20, YKWF21, BMG+21a, ELW06, FMM+20, LBNBM13, MM01, NC80, TKW06, TKWI08, Ber65b]. **warm-core** [NC80]. **warmer** [MBT07]. **Warming** [DAvD+21, FSAO22, TPTM23, ABP+23, BDTC15, BHK+16, Bel09, BD18, BGL+17, Cia22, CWS+21, ESGP17, GPEV20, GFGGD+23, IHY+01, IG19, JBH20, KV13, KKKY10, KFM+17, LHC+21, MVN+15, MMKS+21, MKS+22, NSE+24, Peñ03a, RL23, SCHBC+22, SEG+22b, SEG22a, SAd+17, SJD10, VDGGD+22, WWW+23, YZX+23, YAK13, dLLdAWL+23]. **warning** [RAB+11, vdS94c]. **Warped** [YYK88]. **Washington** [CCS+21, FB05, HL05, HPHL+05, PHLL05, PLHLF05]. **Wasp** [GAF15, FAB+09, HM06, Bak06]. **wasp-waist** [FAB+09, HM06, Bak06].

### **Water**

[CDDF11, GR85, HOY+21a, Kat18, KY15, KKK+04b, KTB+99, KMU+12, LH08, MWJ+08, MTK+22, NIC+19, OJB99, PPVG12, Par86, PL18, PGC+96, SDGVE17, Sud86, THM+06, YMK+04, ZSI+05, ZSY+22, ZPC+16, AdAK+18, ÁSÁB+14, ÁBMÁS14, ÁBMÁS15, ALG+21, BW65, Ban96, BNCC15, BvdLA+11, BBB+14, BMC05, BS95, BGV+23, BPM+14, BC88, CDS90, CWZ+20, CSV+07, CPHR98, CVHM+18, CLG+22, CMF15, CR20, DFD23, DOP87, Due77, FVA+19, FZY+23, FC07, FTSF21, FAAF88, dCFK17,

FBT<sup>+22</sup>, FWO15, Fla02, FLDF22, FK86, Gam14, GIPC<sup>+15</sup>, GLAHH<sup>+22</sup>,  
 GBB96, GJ00, GTNK21, Gri22, GCS91, GSF<sup>+15</sup>, GAPM16, HØH<sup>+03</sup>, Her88,  
 HMS<sup>+22</sup>, HGH<sup>+19</sup>, HM08, HG04, Hut95, ISH<sup>+04</sup>, JJJ<sup>+19</sup>, JSKM02, JG07,  
 JAJS08, Jón07, KON14, KF11, KGdS<sup>+08</sup>, KG65, KVLAA06, KTW<sup>+22</sup>,  
 LVGH<sup>+15</sup>, LTG85, LPA92, LRNK99, LCJ<sup>+17</sup>, LAGM<sup>+23</sup>, LPW<sup>+23</sup>]. **water**  
 [LPBM17, LZG20, LRGV<sup>+18</sup>, LBF<sup>+22</sup>, LSW02, LDMH09, MGF<sup>+13</sup>,  
 MGG22, MRMD<sup>+97</sup>, MRO<sup>+08</sup>, MEMP15, MAAS<sup>+00</sup>, MIN<sup>+20</sup>, MAFS<sup>+22</sup>,  
 MRW<sup>+14</sup>, MHCS<sup>+23</sup>, MH14, MKS<sup>+22</sup>, NMK<sup>+03</sup>, NKK03, NMO<sup>+21</sup>,  
 NAH<sup>+21</sup>, ONR<sup>+14</sup>, OPL<sup>+21</sup>, ÖÜT93, PTM<sup>+22</sup>, PMG15, PPKR14, Par63,  
 PTF10, PPCWJ18, PLB<sup>+23</sup>, PZA<sup>+15</sup>, PPdS21, PAF<sup>+11</sup>, PRL<sup>+18</sup>, PB94,  
 PdMS<sup>+13</sup>, RCC<sup>+18</sup>, Rea00, RKM<sup>+07</sup>, RKK<sup>+21</sup>, RGPB<sup>+23</sup>, RLC85, Rud89,  
 Rud15, RKS<sup>+15</sup>, SGL<sup>+17</sup>, SCHBC<sup>+22</sup>, SHP<sup>+23</sup>, San73, SCB<sup>+09</sup>,  
 SvWRvB02, SGMP15, SSSL16, SMP<sup>+22b</sup>, SFAD<sup>+90</sup>, SBD<sup>+07</sup>, SWZS<sup>+21</sup>,  
 SPH<sup>+15b</sup>, SASH08, SYN<sup>+21</sup>, SBG<sup>+08</sup>, TMN<sup>+12</sup>, TRY<sup>+04</sup>, TAF<sup>+22</sup>, Tit20,  
 TSRF14, TVD<sup>+99</sup>, TDL<sup>+17</sup>, UNN<sup>+14</sup>, VGJ<sup>+19</sup>, VPW01, VKT15, WH20,  
 WCC<sup>+20</sup>, WWW<sup>+23</sup>, WHT86, Wen88, WPA<sup>+24</sup>, WLP<sup>+21</sup>, YYT<sup>+14</sup>,  
 YTB<sup>+21</sup>, YYC<sup>+18</sup>, Yin88, YRKC08, Yu23, ZAC<sup>+23</sup>, ZD17, dZTG05,  
 vHMDL14, BRG<sup>+23</sup>, BF12, Cia14, Men21, NBR<sup>+08</sup>, OYKK<sup>+23</sup>, RBR<sup>+23</sup>].  
**Water** [SPW22, SKH00, Tom81a, TPTM23, YS15, Zen08, ZJZ<sup>+21</sup>, ZLZ<sup>+17</sup>].  
**Water-column** [SDGVE17, SSSL16]. **Water-level** [CDDF11, DOP87].  
**water-mass** [YRKC08]. **water/sediment** [CDS90, SFAD<sup>+90</sup>]. **Waters**  
 [EMU21, HMP<sup>+13</sup>, ATT<sup>+08</sup>, BSF95, BCLD<sup>+17</sup>, BCGN<sup>+18</sup>, BRH<sup>+05</sup>, BF01,  
 BT07, BLC23, CWB<sup>+22</sup>, CB06, CC88, CPC<sup>+02</sup>, CCA<sup>+02</sup>, CRC<sup>+19</sup>, CFG07,  
 CdMS<sup>+18</sup>, CTI<sup>+19</sup>, CM14b, DNNNN16, Dri11, EBS<sup>+18</sup>, FMM<sup>+20</sup>, FFA09,  
 FTG<sup>+18</sup>, FAH<sup>+13</sup>, GVBV<sup>+21</sup>, GPA<sup>+11</sup>, GIHJ23, GEO09, GRdSS<sup>+22</sup>,  
 HSS<sup>+12</sup>, HBG<sup>+21</sup>, HW02, HMPZ11, ILI<sup>+12</sup>, IHT<sup>+21</sup>, IU14, KTN14, KV13,  
 KV18, KSS<sup>+23</sup>, KAG<sup>+19</sup>, LF12, LC10, LMP22, MOS<sup>+13</sup>, MH02, MGC<sup>+18</sup>,  
 MPB<sup>+23</sup>, MTK<sup>+22</sup>, MTH<sup>+10</sup>, ON22, PLN<sup>+23</sup>, QPR03, RL23, RKM<sup>+07</sup>,  
 RLSF06, RLSF07, Rot65, SGL<sup>+18</sup>, SGL<sup>+17</sup>, SCLG<sup>+11</sup>, SCHBC<sup>+22</sup>, STG<sup>+18</sup>,  
 SCCJ<sup>+18</sup>, SSSL16, SYN<sup>+21</sup>, TRP<sup>+23</sup>, TPTM23, TBW00, TLF<sup>+89</sup>, TIOM16,  
 VBL<sup>+21</sup>, VKT15, VMV<sup>+23</sup>, VEM<sup>+21</sup>, VSPP14, WFH<sup>+22</sup>, WWL<sup>+22</sup>,  
 WFR07, XY21, YT06, YNMY23, Yao88, ZLKO00, ZL01, ZLR<sup>+07</sup>, dIPHF<sup>+15</sup>].  
**watershed** [HVR15]. **Wave** [CAA<sup>+07</sup>, CAB<sup>+18</sup>, His22, BBC<sup>+22</sup>, BBB<sup>+14</sup>,  
 BDT<sup>+08</sup>, BSA06, CSH<sup>+23</sup>, CB17, FG16, GC14, HLFL23, HWF<sup>+21</sup>, Iwa23,  
 Kra69, LCZ<sup>+24</sup>, RFFL21, RHB23, SSB14, UGY<sup>+22</sup>, VB14, XY21, vHVAT22].  
**wave-generated** [FG16]. **wave-induced** [BBB<sup>+14</sup>]. **wave-meandering**  
 [SSB14]. **wavelet** [YYhT<sup>+17</sup>]. **Waves** [Hut81, WLL06, ABS<sup>+20</sup>, Arb22,  
 BBB<sup>+21</sup>, CSLJ03, DWH<sup>+14</sup>, ESA<sup>+13</sup>, GXX<sup>+22</sup>, GLPC23, GCG<sup>+14</sup>, Ham09,  
 HNRP<sup>+19</sup>, HHZ<sup>+22</sup>, Hut87, ITO<sup>+14</sup>, KWI20, Li14, LOO22, LH08, MZZ<sup>+23</sup>,  
 NP00, PTM<sup>+22</sup>, PM85, Ric94, SMFM<sup>+21</sup>, TCN20, Tho77, VOT<sup>+99</sup>, VMN08,  
 WLCG23, XDG<sup>+23</sup>, XY20, XHC<sup>+20</sup>, YHZ<sup>+22</sup>]. **way**  
 [Bak01, BAARB05, PPPdS20]. **Weak** [Kiv97, ZBRJ23, BH07]. **weaknesses**  
 [HS07]. **weather** [BDTC15]. **Weathering** [AEPW93]. **web**  
 [AHW<sup>+15</sup>, BHA<sup>+14</sup>, BAOC<sup>+07</sup>, CP10, CPPPEAG22, CSBL<sup>+15</sup>, CFML22,

DKRL22, FMC<sup>+15</sup>, FTG<sup>+11</sup>, GAF15, GSVB23, GvOSW11, Hea12, IBW<sup>+01</sup>, iYO<sup>+10</sup>, JE92, LLL<sup>+11</sup>, LCBN14, MRA<sup>+19</sup>, MGC<sup>+18</sup>, NMC<sup>+09</sup>, OPG<sup>+10</sup>, PVG<sup>+20</sup>, Peñ03a, Pow06, RMC<sup>+15</sup>, RBE<sup>+12</sup>, SBMB18, SSM90a, ŠGM<sup>+18</sup>, SHC<sup>+06</sup>, SHC<sup>+07</sup>, SDJ14, TNGP22, TR99, TSS<sup>+12</sup>, TFM03, ZHSMM14, ZBRJ23, dJSL<sup>+20</sup>. **webs** [CLSP17, CBC<sup>+06</sup>, CW06, Car98, CMF<sup>+09</sup>, CSC<sup>+12</sup>, DYO<sup>+10</sup>, DWC06, HKGH<sup>+06</sup>, HNL14, LK13, LZF<sup>+24</sup>, MCH<sup>+12</sup>, NYL<sup>+17</sup>, PG10, SBMB18, SRT<sup>+18</sup>, WRH<sup>+06</sup>, Was06]. **Weddell** [CS16, FZY<sup>+23</sup>, MBB<sup>+96</sup>, NRS<sup>+19</sup>, RBS<sup>+20</sup>, RBS<sup>+22</sup>, VKDS<sup>+18</sup>]. **weddellii** [NRS<sup>+19</sup>]. **weekly** [VDGGD<sup>+22</sup>]. **well** [SBMB18, SMK21]. **well-documented** [SBMB18]. **West** [HJLLN07, LvBS<sup>+24</sup>, WLM07, BFH01, BBSN04, CWB<sup>+22</sup>, CBB<sup>+02</sup>, CCHM02, DHDM22, FMC<sup>+15</sup>, FDH20, HMB<sup>+86</sup>, HSH<sup>+19</sup>, Man69, MWS<sup>+10</sup>, MFA<sup>+15</sup>, MM90, RWOA01, SPW22, STR01, VSGD21, WBH15, CKL<sup>+14</sup>, GKR20, KGJ<sup>+10</sup>, LW12, Med87, MFM15, MDR22, Tom81a, WWL<sup>+22</sup>]. **westerlies** [SE08, SE09]. **Western** [BBM<sup>+14</sup>, CMJPH<sup>+18</sup>, Con87, DHD<sup>+23</sup>, EBR<sup>+14</sup>, HLTB<sup>+17</sup>, SCD<sup>+07</sup>, AMFY20, AQVB<sup>+10</sup>, AAMB<sup>+24</sup>, ALG<sup>+21</sup>, ATC<sup>+19</sup>, BSC<sup>+19</sup>, BHA<sup>+14</sup>, BE99, BTS<sup>+15a</sup>, BOMdP15, BPC<sup>+05</sup>, CMF<sup>+09</sup>, CMF11, CF20, CAT<sup>+08</sup>, CLG<sup>+22</sup>, DDDT99, DSC<sup>+21</sup>, DWC06, DK07, EBM<sup>+20</sup>, ELW06, EHSI12, FTC<sup>+16</sup>, FKZ<sup>+15</sup>, FK99, FMT15, GLY23, GDM<sup>+20</sup>, GdRGC<sup>+14</sup>, Gri22, HHB<sup>+00</sup>, IHT<sup>+21</sup>, INT14, JWD<sup>+02</sup>, KHD22, KAK<sup>+22a</sup>, KST03, KFH<sup>+15</sup>, KYS<sup>+17</sup>, LYM12, LG22, LG23, LSIC12, LPW<sup>+23</sup>, LSD<sup>+15</sup>, LBC<sup>+15</sup>, LWT<sup>+20</sup>, MT99, MRRC73, MTC12, MAAS<sup>+00</sup>, MSA<sup>+22</sup>, Mol04, MMPG07, MNFY21, NEI<sup>+22</sup>, NMO<sup>+21</sup>, NHN<sup>+21</sup>, Nof96, NKK<sup>+05</sup>, NRA<sup>+21</sup>, OTNI20, OOTA15, PPdM<sup>+12</sup>, PELAA18, PJH<sup>+15</sup>, PHFK14, PHC<sup>+19</sup>, PdMS<sup>+13</sup>, PLK14, QcS<sup>+07</sup>, RKS01, RTF<sup>+05</sup>, RBD<sup>+07</sup>, RCB<sup>+20</sup>, RDC<sup>+21</sup>, Rog00, SGL<sup>+18</sup>, SSH<sup>+05</sup>, SSQ19, SAM<sup>+04</sup>, SFK<sup>+99</sup>, SAB<sup>+21</sup>, Sme93, SIS<sup>+14</sup>, SST<sup>+17</sup>, SKT01, TKS108, TT05, Tan99]. **western** [TTMM<sup>+17</sup>, TSNO05, TKK<sup>+05</sup>, UPPS<sup>+21</sup>, VBVYT05, WFH<sup>+22</sup>, WOW<sup>+14</sup>, WWN<sup>+99</sup>, Wu13, YMA<sup>+17</sup>, YHM<sup>+18</sup>, YYK<sup>+12</sup>, YFY05, ZGB<sup>+20</sup>, ZSI<sup>+05</sup>, ZJZ<sup>+21</sup>, BTS<sup>+15b</sup>, BZD<sup>+21</sup>, BLCL14, CPG08, Eri65, FGR<sup>+06</sup>, GR85, GGA<sup>+16</sup>, GGG<sup>+18</sup>, GGSM<sup>+20</sup>, HWPLvW20, HGH<sup>+19</sup>, LTG85, LLX<sup>+21</sup>, McI10, MSd<sup>+16</sup>, NCC<sup>+15</sup>, PCD<sup>+18</sup>, PRA<sup>+18</sup>, PMS<sup>+15</sup>, PFE10, RMC<sup>+15</sup>, SGLF<sup>+13</sup>, SBC<sup>+16</sup>, SBPGP<sup>+23</sup>, SAW<sup>+15</sup>, STW<sup>+15</sup>, TAW<sup>+15</sup>, TB15, VYGMM<sup>+17</sup>, VBAC<sup>+21</sup>, WOW<sup>+14</sup>, WSC<sup>+21</sup>, YWUK15, dPAJ07]. **western-boundary** [WWN<sup>+99</sup>]. **western-Mediterranean** [DDDT99]. **westward** [MTL05, TCN20]. **wet** [OAD22]. **whale** [BMG<sup>+19</sup>, BMG<sup>+21a</sup>, BPSN<sup>+21</sup>, DHD<sup>+23</sup>, FGL<sup>+23</sup>, GDL<sup>+15</sup>, GC09, LBC<sup>+23</sup>, MHVS19]. **Whales** [RSB<sup>+13</sup>, AHGRAL23, CPO<sup>+19</sup>, CQO<sup>+15</sup>, CBB<sup>+15</sup>, GVBV<sup>+21</sup>, HPB<sup>+09</sup>]. **Where** [CPC88, MZK<sup>+23</sup>]. **white** [TGJT09]. **Whiteaves** [Mar20]. **whiting** [HPB<sup>+09</sup>, MAFS<sup>+22</sup>]. **Whitsand** [USH15b]. **Whittard** [AHA<sup>+16</sup>, CHG<sup>+18</sup>, DJW<sup>+18</sup>]. **Who** [THBA19]. **whole** [MRA<sup>+19</sup>]. **WHP** [KMWF11, STPHM<sup>+23</sup>]. **wicked** [KN10, KN11]. **wide** [BMO12, CMPNC<sup>+22</sup>, MPCNC<sup>+19</sup>, PKV18, SSM<sup>+18</sup>]. **widely** [THM<sup>+14</sup>]. **wider** [MEST13]. **Widespread** [YTB<sup>+21</sup>]. **wild** [WBF<sup>+21</sup>]. **Wilkes**

[AYH<sup>+</sup>23]. **Will** [DSAB20]. **William** [BDB<sup>+</sup>22, SSB<sup>+</sup>20b]. **Wind** [CKL<sup>+</sup>14, DLM<sup>+</sup>12, OÁSG<sup>+</sup>16, OC06, Sek86, AR18, AC85, BBS21, BBS23, BCOL<sup>+</sup>19, CPC<sup>+</sup>15, CTA16, CS06, DWH<sup>+</sup>14, Dav85, Dem09, DDJ<sup>+</sup>21, FvBA<sup>+</sup>17, HMRA<sup>+</sup>03, HGH<sup>+</sup>19, Iwa23, KM22, LPF<sup>+</sup>21, MZH<sup>+</sup>23, MS02, MH14, NNM<sup>+</sup>21, OACA20, OMS<sup>+</sup>09, OPL<sup>+</sup>21, SC23, SBD01, VTGC19, WWZ19, Wun24, XY20, XY21, ZHF<sup>+</sup>24]. **Wind-driven** [OÁSG<sup>+</sup>16, Sek86, BBS21, BBS23, NNM<sup>+</sup>21, SC23]. **wind-forced** [DWH<sup>+</sup>14, LPF<sup>+</sup>21]. **Wind-induced** [CKL<sup>+</sup>14, OC06]. **wind-modulated** [MH14]. **wind-sea** [VTGC19]. **windier** [JTQ<sup>+</sup>18]. **window** [HWB<sup>+</sup>18, XYWY23]. **winds** [BBB<sup>+</sup>21, DL17, FAAV<sup>+</sup>15, GW91, GMR<sup>+</sup>23, KAG<sup>+</sup>19, LO85, SFMT14, SNMW10]. **wing** [SSB14]. **wing-sailing** [SSB14]. **wings** [Ric22]. **winner** [VWDF14]. **Winter** [ATS01, DSR21, HPHL<sup>+</sup>05, LVGH<sup>+</sup>15, MOSN<sup>+</sup>13, VOJD02a, VOJD02b, YNTS22, AJA<sup>+</sup>22, ABS<sup>+</sup>20, AUE<sup>+</sup>14, BPC<sup>+</sup>05, BF11, EMU<sup>+</sup>23, FPJ<sup>+</sup>15, GHL15, HBH<sup>+</sup>17, Iwa23, KMS<sup>+</sup>24, LPW<sup>+</sup>23, MSd<sup>+</sup>16, MCKS17, MAFS<sup>+</sup>22, MEMC05, Rou65, TDGY22, VNH<sup>+</sup>23]. **Winter-spring** [HPHL<sup>+</sup>05]. **Winter-to-winter** [ATS01]. **winters** [WDMC02]. **wintertime** [JC88, Suk88]. **wishes** [Val99a]. **Withdrawn** [ZLG17b]. **Within** [MPV12, Ang84, Arb22, BLC23, Car98, CdD<sup>+</sup>15, Dom84, DDCE<sup>+</sup>23, FMM<sup>+</sup>20, FRK<sup>+</sup>09, GDI<sup>+</sup>09, KFC<sup>+</sup>13, MCG<sup>+</sup>02, PTPY<sup>+</sup>23, Pug84, QYF<sup>+</sup>24, RCS<sup>+</sup>11, RAB<sup>+</sup>84, Roe84a, Roe84b, RB84, RJT84, STS<sup>+</sup>12, WMC<sup>+</sup>89, WDC<sup>+</sup>11, WWL<sup>+</sup>22, ZBRJ23]. **Within-** [MPV12]. **without** [Ric22, SPN98]. **WOCE** [GWB14, GJ00, GA00, MMR<sup>+</sup>09, STPHM<sup>+</sup>23]. **WOCE-era** [MMR<sup>+</sup>09]. **WOCE-WHP** [STPHM<sup>+</sup>23]. **Wollast** [JW01b, vWM02b]. **Women** [CSH<sup>+</sup>23]. **wood** [FBR<sup>+</sup>13, GGT<sup>+</sup>15, JZ19, RVC<sup>+</sup>13]. **wood-boring** [RVC<sup>+</sup>13]. **work** [CNT03]. **Working** [Ano94k, Ano03j, WHG<sup>+</sup>16]. **workshop** [SWP<sup>+</sup>13b]. **world** [BMO12, CBB<sup>+</sup>15, FC05, LCR<sup>+</sup>93, Ric22, Val99a, VBC<sup>+</sup>20, BC16, GMD<sup>+</sup>22, ISH<sup>+</sup>04, Lev88, McK15, SAA<sup>+</sup>15, dZTG05, Ang79a]. **world-wide** [BMO12]. **WRF** [LC22]. **WRF-FVCOM** [LC22].

**X** [Hof81, Ang88]. **XBT** [LS20]. **xiii** [Ano92i]. **Xiphias** [SYB<sup>+</sup>15, YGL<sup>+</sup>10]. **xv** [Ano86j]. **Xylophaga** [RVC<sup>+</sup>13].

**Yangtze** [ZLR<sup>+</sup>07, Wen88]. **Year** [MHA<sup>+</sup>11, Rud15, AT07, AUE<sup>+</sup>14, BDB<sup>+</sup>04, BMG<sup>+</sup>21a, BPTT19, CMG15, CBB<sup>+</sup>15, CLdPHL23, DHC<sup>+</sup>20, DBC<sup>+</sup>18, DHD<sup>+</sup>23, FTSF21, HGBG20, HFO<sup>+</sup>22, LGZ<sup>+</sup>20, LPF<sup>+</sup>20, LFCSV<sup>+</sup>13, MGF<sup>+</sup>13, MAH<sup>+</sup>15, RF17, SGO<sup>+</sup>08, TSFA22, WHT86, Woo18, YFK21, EBD<sup>+</sup>20]. **year-long** [BPTT19, LPF<sup>+</sup>20]. **year-round** [DHD<sup>+</sup>23, MGF<sup>+</sup>13, Woo18]. **year-to-year** [DBC<sup>+</sup>18, WHT86]. **years** [AKH<sup>+</sup>23, CPB<sup>+</sup>15, CFC<sup>+</sup>18, GRMB18, HDZY15, HPHW21, KRL08, KRHS14, LXC<sup>+</sup>22, RCD<sup>+</sup>94, SLG<sup>+</sup>12, SF02, SKRM<sup>+</sup>95, VOG<sup>+</sup>08, VSGC21, WR03, WHG<sup>+</sup>16, XNT<sup>+</sup>17, dJSL<sup>+</sup>20]. **Yellow** [LW13, ITM86, JZZY24, LC16, LCJ<sup>+</sup>07, LGH<sup>+</sup>21, MLL<sup>+</sup>22,

MFY<sup>+86</sup>, Par86, SW12, SNZ<sup>+20</sup>, TCN20, YKS<sup>+12</sup>]. **yellowfin** [HLTB<sup>+17</sup>, OPG<sup>+10</sup>]. **Yermak** [GIHJ23]. **yields** [Hea12]. **yolk** [SMPC<sup>+12</sup>]. **young** [CSMGS19, GMR<sup>+23</sup>, RN06]. **Yutu** [GLY23].

**Zdenka** [SW81]. **Zealand** [BSMC15, BWB<sup>+09</sup>, FBS22, RLR<sup>+18</sup>]. **Zenkevitch** [GS19]. **Zhe** [XLL<sup>+20</sup>]. **Zhe-Min** [XLL<sup>+20</sup>]. **Zoarcidae** [SM21]. **Zonal** [KP03, RFPG15, STPHM<sup>+23</sup>]. **zonally** [KKNT23]. **zonation** [BAB<sup>+19</sup>, GNH19, HM90, LdCSB<sup>+20</sup>, VMB<sup>+22b</sup>, WGG<sup>+08</sup>, ZGB<sup>+20</sup>]. **Zone** [Ant09, BHM<sup>+15</sup>, INI<sup>+17</sup>, JSLA<sup>+21</sup>, PHKS17, RMHL09, SLBH<sup>+19</sup>, SLPA<sup>+20</sup>, VFCC<sup>+22</sup>, AMG<sup>+16</sup>, BAM<sup>+09</sup>, BAT<sup>+98</sup>, BA04, BMC17, BBPHG<sup>+11</sup>, BB14, BC01, DLM<sup>+12</sup>, EHG<sup>+07</sup>, EHFD12, FELJ16, GMAMB04, GASV<sup>+09</sup>, GEO09, GDI<sup>+09</sup>, GBB<sup>+20</sup>, GLV12, HLGA07, HLCdP19, HFW<sup>+98</sup>, HSLG11, ILA21, JCF<sup>+23</sup>, LGR<sup>+02</sup>, LQU07, LLGS21, MLHE23, MGH<sup>+07</sup>, MTH<sup>+10</sup>, NMO<sup>+21</sup>, NMN08, PAM<sup>+88</sup>, PD15, PBS22, PHKS01, RS10, SAM<sup>+04</sup>, SM65, SMPC<sup>+12</sup>, SGR<sup>+22</sup>, TR99, Tom81a, VSGC21, VJJ<sup>+22</sup>, WMB<sup>+21</sup>, WP91, WR00, WGG<sup>+08</sup>, WPH<sup>+10</sup>, YLL19, BSMC15, Nay65, RMG90, STC10]. **Zones** [BMN<sup>+99</sup>, CSMGS19, EM12, FCN<sup>+19</sup>, FPY<sup>+16</sup>, GDM<sup>+20</sup>, HHMB<sup>+09</sup>, HBH<sup>+17</sup>, JS21, JPIP22, KSV08, Kaz17, MYH<sup>+22</sup>, PRP09, YW22]. **ZooCAM** [CTP<sup>+18</sup>]. **zoogeography** [AS96]. **Zooplankton** [ASB<sup>+08</sup>, ACHSH08, Ban64, ESTM13, EHFD12, FÁFL06, HFNG00, LMH<sup>+13</sup>, MRM<sup>+14</sup>, MG02, MGF<sup>+13</sup>, SHD<sup>+21</sup>, SSV<sup>+11</sup>, Tur15, VSGD21, WHG<sup>+16</sup>, YHM<sup>+18</sup>, dPAJ07, AMFY20, ACE<sup>+07</sup>, ADS<sup>+22</sup>, AGL<sup>+15</sup>, APC<sup>+21</sup>, BBLD<sup>+11</sup>, BTNK13, BFB<sup>+20</sup>, BMO12, BMG13, BMC17, BSFM<sup>+12</sup>, BASS<sup>+20</sup>, BPSN<sup>+21</sup>, CP10, CS16, CP02, DA<sub>v</sub>D<sup>+20</sup>, EBW<sup>+23</sup>, EBS<sup>+18</sup>, EHG<sup>+12</sup>, FUOG<sup>+16</sup>, FKH<sup>+13</sup>, GRLS14, GWM<sup>+22</sup>, GSPMAI99, GBB<sup>+20</sup>, GRD<sup>+23</sup>, HPC<sup>+20</sup>, HLCdP19, HGBG20, HWL<sup>+20</sup>, Igu04, iYO<sup>+10</sup>, KP03, KH09, KDB95, KAAK<sup>+16</sup>, KGJ<sup>+10</sup>, LO07, Lav09, LEDR<sup>+22</sup>, LdCSB<sup>+20</sup>, MBT07, MGE<sup>+12</sup>, MPV12, MGWZ20, MERB12, MCG<sup>+02</sup>, MMMWZ23, MFDH22, MMES16, MCG<sup>+14</sup>, MPC12, Nie07, OWR<sup>+07</sup>, PG13, PSL87, PGY<sup>+22</sup>, PCM11, PJH<sup>+15</sup>, PKF02, PPY87, PO15, Reb02, RWOA01, SCAA07, SCS<sup>+18</sup>, SPB<sup>+12</sup>, SPC<sup>+23</sup>, SNZ<sup>+20</sup>, SWP<sup>+13b</sup>, SEG22a, SE92, SDO<sup>+14</sup>, SOA<sup>+23</sup>, TSAM<sup>+22</sup>]. **zooplankton** [UCB<sup>+18</sup>, VLUC<sup>+07</sup>, VLCCP14, VMA<sup>+24</sup>, WCS<sup>+23</sup>, WHK23, WHS<sup>+23</sup>, YNMY23, YPVP<sup>+22</sup>]. **ZooScan** [YNMY23]. **Zostera** [AR18].

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