A Complete Bibliography of Publications in *Limnology and Oceanography*: 2020–2029

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA

Tel: +1 801 581 5254
FAX: +1 801 581 4148

E-mail: beebe@math.utah.edu, beebe@acm.org, beebe@computer.org (Internet)
WWW URL: https://www.math.utah.edu/~beebe/

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Title word cross-reference

^{13} [HZC+24, LRRP20, WWGP21]. ^{15} [HZC+24, SWS+22, WWGP21]. ^{18} [DLL20]. ^{222} [ACW+22]. ^{223} [LvBS+22]. ^{224} [LvBS+22]. ^{34} [HZC+24]. th [BGM+22]. $_{2}$ [AAC+21, AFH+21, AFH+22, ACW+22, AKT+21, BLS20, CGR22, CT23, CTM+21, CCB+20, CSC+21, CMCC24, CHS+20, DRA+23, EDC24, EBW+20, EWGP22, GPB+20, HBS+22, HGA24, LLL+23, LSL+20, LTLH22, MGP+21, MDWT+22, MRT+24, NB20, QBJG21, RRHS+21, RGW+23, SCC+21, SDB+23, SPLJA+20, TZF+22, TMS+21, hTRH20, VLP+21, VKB+22, WRHR22, WDG+21, WMRL22, XWL+21, YMSH20, YSHS22, YSHS23, YG23]. $_{3}$ [LL23]. $_{4}$ [AFH+21, DRA+23]. : [KMV+20]. δ [HZC+24, LRRP20, SWS+22, WWGP21]. p [ACW+22, YG23].

10.1002 [Ano21a]. **10.1002/lno.10504** [Ano21a]. **12-yr** [BPG+22].

2011 [TNK+22]. **2016** [CMT+20].

30 [RCMA21]. **30**^{o} [BSGA21]. **36-month** [GWS^{+}21].

59^{o} [BSGA21].

62 [Ano21a]. **64** [Ano21b].

8-m [BGM^{+}22].

ability [KMM^{+}22]. **abiotic** [KPNJ23, LGF22, MTP^{+}23, TZF^{+}22, WRMP22]. **above** [BZK^{+}22, GPK^{+}21, NH23]. **Abrupt** [BGM^{+}22, GBO^{+}20]. **absorption** [AVJ^{+}24, SSB^{+}22]. **abundance** [BMR^{+}21b, BBGM20, GFW^{+}20, LBBM21, LPMBR23, MBD^{+}22, MCYR20, SSH^{+}22]. **abundances** [EPR^{+}24, SML^{+}21a]. **acantharian** [BBGM20]. **accelerate** [CCC^{+}21]. **Accelerated** [AJMG21]. **Acclimation** [GTKW^{+}20, SMD21]. **accounting** [KHCG^{+}22, LAB^{+}22]. **accounts** [SMW^{+}21]. **accretion** [CEE^{+}22, MEQBV20, MVBG20]. **accumulation** [BAG^{+}24, HMP^{+}21, LLK^{+}22, LAB^{+}22, MEQBV20, PBP^{+}23, SSWM20, hTRH20, WSLC22, ZWM22]. **accurate** [KHCG^{+}22]. **achieved** [KTA^{+}21]. **Achilles** [ZvBZ^{+}20]. **acid** [KLG^{+}23, SRM23, VCT^{+}23, WWGP21]. **acidic** [MNMJ^{+}21, SPLJA^{+}20]. **acidification** [ARPFGS23, HDS^{+}20, HSV22, JHS^{+}21, RVBP23, RBD22, RLP^{+}20, SMG^{+}22, SSEO21, ZLU^{+}20]. **acids** [DMS^{+}21, EST^{+}24, KHSP21, VST^{+}22, WDS^{+}23]. **acoustically** [GNO22]. **acquisition** [DK20, SdBW^{+}23]. **across** [ARB^{+}22, BMA^{+}20, BCTH20, BRHS20, CEW^{+}21, CZK^{+}23, CEE^{+}22, DHNH22, DRA^{+}23, DBFC24, ETMD23, FDF^{+}21, GSP^{+}23, GGLH^{+}22, GCW^{+}23, GLAHH^{+}23, GSD^{+}23, HDD^{+}22, HLPT20, HM20, JLS^{+}20, JHBB22, KAP^{+}20, KSF^{+}23, LTQS^{+}21, LHL^{+}21, LHD^{+}20, LCZ^{+}21, MTP^{+}23, MLP^{+}21a, MSB^{+}22, MCH^{+}21, MKP^{+}23, NH22, PYM^{+}20, PGEB22, RWMP^{+}23, RSLW23, RBAC^{+}20, RVS^{+}22, SWOR20, SML21b, SHZ^{+}21, SSR^{+}23, TKA21, VCBB20, VMT^{+}24, VCT^{+}23, VST^{+}22, VMP^{+}21, WRC^{+}21, WCC20, vHHP^{+}22]. **act** [OYM^{+}20]. **active** [BGG^{+}20, EBK^{+}20, PC21, RTK23, SSS^{+}24, XYL^{+}23]. **activities** [BSGA21, LZD^{+}23]. **activity** [CTP21, CLT^{+}22, GFW^{+}20, KGG^{+}23, PGN^{+}21, SCC^{+}21, SAD^{+}20, ZYZ^{+}21, vHLV^{+}20]. **acute** [EFP^{+}21]. **adaptation** [LBvE23, LCS^{+}20, MUGL20, RCS^{+}20, ZZCD23]. **adaptations** [FRRG^{+}21]. **adapted** [CBD^{+}23, KKP^{+}21, TKA21]. **Adaptive** [WSB^{+}20, CBT^{+}21, DKW^{+}21]. **addition** [BVM^{+}20]. **additionality** [HGA24]. **additions** [DCF^{+}22, PBC21, VWR^{+}23]. **Adélie** [NCC^{+}21]. **Adirondack** [WK21]. **adjacent** [DKPS23, KSF^{+}23, NCC^{+}21, SORGC^{+}21]. **Adriatic** [CDA^{+}20]. **advances** [SHS^{+}22]. **advancing** [MVBG20]. **advected** [SLZ^{+}21b]. **advection** [CJB^{+}21]. **advective** [LDG^{+}21]. **Aerobic** [AWB^{+}23, SSM^{+}22b]. **aerosol** [YAE^{+}23]. **aeruginosa** [MDP^{+}23]. **affect** [DGTW21, OJUN23, PSNS22, SVBT20, SOT^{+}20, XSZ^{+}21]. **affected** [IÁSNCR21, QMG21, TUR^{+}20]. **affects**

[ARPFGS23, LRNG24, LHS+20, RWL+24, RBL+20, WWB+20, vdPAV+20]. **affiliation** [HNS21]. **Africa** [GBB+21]. **African** [LL23]. **after** [BWB+22, GPB+20, HBR+22, RVS+22]. **aftermath** [KPS21]. **age** [FHMK20]. **aged** [KSH+23]. **aggregate** [HVMS+21, KL22, ZLIP20]. **aggregate-colonizing** [KL22]. **aggregates** [EWGP22, LCMG+20, ZLIP20]. **aggregation** [ALG+23]. **aggregations** [MBLA+21]. **aging** [SSS+24]. **Aglantha** [MMKWZ22]. **aids** [LBJS22]. **air** [ACW+22, CCB+20, MBA+21, SGM+21]. **al** [Ano21b, ZR23, Ano21a]. **al.** [CSH21, PPB+21]. **Alaska** [CCDM21, MDDL22, VJH+22]. **Alaskan** [MK21, SSR+23]. **alewife** [DFJ22, RPA+22]. **Alexandrium** [BH21, PHM21]. **alga** [BK20, GR24, WCH+21]. **algae** [FPBG+22, LLSQ24, THS21]. **algal** [BMGK22, GTKW+20, HPF+23, HM20, KAC+23, KRC23, KWB21, KNG+23, LZG21, SKB+22, ZXZ+23]. **algal-virus** [HPF+23]. **algorithms** [MT23]. **alicyclic** [LPO+20]. **aligns** [CGB+21]. **alkaline** [BWV+20]. **Alkalinity** [YXC+22, DSY20, IMB+22]. **alkenone** [THT+20]. **alkenone-producing** [THT+20]. **alleviates** [RS20]. **allocation** [ZLS+21]. **allochthonous** [CTP21, KBB+22]. **allochthony** [HHK+22]. **allometries** [LLMM+23]. **allow** [RTK23]. **allows** [HMBB21]. **along** [ADLW22, AKT+21, BGAD+22, BWV+20, BBL+21, CÖL+20, CFC+20, CCY+21, CCDM21, DWS+22, EJM+23, GEHD20, HHMH22, IMB+22, IYW+22, JSL+23, JWAvD+22, KPS21, LAFV23, LSC+21, MHP+23, NSK+21, PMF+21, RCMA21, SO23, TKW+23, TKS+20, ZZO+21, ZYZ+21]. **Alosa** [DFJ22]. **alpha** [GCEM+23]. **Alpine** [SPR22, BVL+23, PSE+20, PMD+23, SDS+23, XTL+20, DLC+22]. **Alps** [ESW+21]. **alter** [DKBG21, HEH+20, HZS21, MRT+24, ZZWL22]. **alterations** [BCFI+22, CMB+21]. **altered** [BMH+23, LVZ21, RSLW23]. **alternative** [BSIdG23, SH22, SHBA22]. **alters** [JHBB22, KTH+21, MMKWZ22, RLP+20, SMD21, ZZT+21, ZWM22]. **altitude** [DCF+22]. **Aluminum** [ZLL+21, MCS+23]. **Amazon** [CBF+23, LvBS+22, PBP+23, PCN22, dMKB+20]. **Amazonia** [KDZ+24]. **American** [ETG21, WSB+20, YWZ+21]. **Amino** [SRM23, WWGP21, DMS+21, GAS+23, KHSP21, VCT+23, WDS+23]. **ammonia** [FSS+23]. **ammonium** [ACA+22, AWGV20, CEW+21, HBR+22, MSB+22, PCC+23, RWS+22]. **among** [BRB+20, BFE+20, BRB+22, CGGC+21, CLW+21, EWF22, HEH+20, HDS+20, LTJ+20, LLBC20, RCH+20, RBR+23, SVMM+22, SRM23]. **amphipod** [BRB+22]. **amplified** [BTK+21]. **Anaerobic** [LPA+23, ACA+22, MWHR+22, SSM+22b, SZY+20]. **Analyses** [GWS+21, KLG+23, WWGP21, WDS+23]. **Analysis** [MMLPRHCG22, vHHP+21, CDH+21, DMS+21, FHMK20, HTLP23, LN21, MGWS23, SGM+22, WZCK20]. **anammox** [CEW+21, CHP+24, ZQB+21]. **anchialine** [HBY+22]. **Andean** [BLS+22, PBGGRB21]. **anhydrase** [SAD+20]. **animals** [LG21]. **Annual**

[CVF+20, vLWV+20, FR23, SDL22, vdPMF+21]. **Anomalous** [CJB+21]. **anoxia** [AJMG21, CCC+21]. **anoxic** [HBR+22, KdED+20, SSM+22b]. **Antarctic** [CFC+20, CMT+20, NGSS23, BTT23, BJK+21, BBL+21, CT23, CP22, DAB+21, JHvL+23, JWAvD+22, KTH+21, LDS+20, MSGW+20, MP23, MHP+23, SGSF20, WOMWR20, YAH+21, vLWV+20]. **Antarctica** [LWvdM+21, NCC+21, SSP+20, DAB+21]. **Antecedent** [TKM+22, RVS+22]. **Anthropocene** [BAG+24, KDW+23]. **Anthropogenic** [MLL+21, CLW+21, FBK+22, LDB+20, WM20, ZYZ+21]. **anticyclone** [WCC20]. **apex** [MWV22]. **aphotic** [LLL+23]. **appendicularian** [MLS+21]. **application** [LCMG+20, SHPW22]. **Applications** [DAN+22]. **Applying** [WRMP22]. **approach** [ALG+23, ASL+24, DNA+22, FMT+20, GCEM+23, GBW24, KBSA21, KHCG+22, VMP+21]. **approaches** [GWS+21, KSF+23, LAB+22, MLB+21, PMJ+21, ST22, WAPC20]. **approaching** [AR20]. **aquatic** [BBMD20, CBPNA22, GF21, GMMW20, HEH+20, HTSG21, HGMK22, MLB+21, MGWS23, QS21, SHS+22, SPHH22, YJB+20, ZN20]. **aquifer** [BKMY21, KPM+20]. **archaea** [SZY+20]. **archaeaplankton** [WPY+20]. **archetypes** [LWH+23]. **Archipelago** [vHLV+20, SBV+21]. **archives** [TJW+22]. **Arctic** [SBM+21, TMS+21, BCA+20, BOC+21, BPG+22, CLD+23, CM20b, CGB+21, GPK+21, HZM+21, HTSG21, HGH+21, IKN+21, JLMW21, KAP+20, KLG+23, KGG+23, LAFV23, LMM+21, LLC21, LWC+24, LXC+21b, LDB+21, MMKWZ22, MKBSK19, MN20, MKD22, MGGRR+21, NB23, PGN+21, PLB+21, RRHS+21, RGW+23, RCS+20, SJR21, SMCS23, SHE+21, SZA+21, SJJ+21, SSR+23, TVB+21, VCT+23, VMP+21, WCH+21, WRHR22, WM20, XKP+22, ZZO+21, ZXE+23, vdPAV+20, vdPMF+21]. **area** [CHS+20, CBS+21, IJSC20, PPB+21]. **areas** [DvOH+20]. **Argo** [WF22]. **argus** [BFCC+21]. **arid** [LRM21]. **arsenic** [PCJ+21]. **arthropod** [KPNJ23]. **artificial** [ARB+22, MTB+21, SJH20]. **artificially** [DMCW23]. **ascidians** [JSW+21]. **ASLO** [Ano20a]. **assemblage** [PATL+23, RLP+20]. **assemblages** [ASL+24, SKB+22, SSB+22]. **assembly** [IYW+22, SGS22]. **assessed** [CDH+21]. **Assessing** [AVJ+24, HTLP23, KSR20]. **assessment** [DAN+22, GAS+23, MLP+21a, SRL+20, TRS+20, WMTJW22]. **assessments** [CBC+22]. **Assimilation** [ORE20, SHE+21, AHCJ+20]. **associated** [AAC+21, BSGA21, BRB+20, BDMGH+23, CKH+21, CMB+21, Edm21b, FKN21, HMP+21, HZZ+20, HGF+21, KFHS24, LBBM21, MEQBV20, RVBP23, WPY+20, WRHR22]. **association** [Edm21a, WO21, XKP+22]. **Associations** [LEK+22, LVZ21, RCMA21]. **asynchronous** [WSZ22a, WSZ22b]. **asynchrony** [VCBB20]. **Atacama** [SML+21a, FUUG+21]. **Atchafalaya** [Roy20]. **Atlantic** [LL23, SBW+20, BMR+21a, BAD+21, BDL+21, BFE+20, BAHH+20, CGR22, CDH+21, CBN21, GLAHH+23, HBG+22, JLS+20, JSL+23, KBvdD+20, MSG+22, SORGC+21, SPKM22, SSM+22a, WF22, YAH+21, YAE+23]. **Atlantification** [MMKWZ22]. **atmosphere** [BCL+22]. **Atmospheric**

[JOC+20, SGM+21, SMNT22, VLP+21, ZZHZ23, ZLW21b]. **atoll** [FHR+21, GLB+22]. **atrazine** [BCTH20]. **attenuate** [LPA+23]. **Attenuation** [PC21, WDS+23, WAPC20, ZXE+23, ZXZ+23]. **attraction** [SHBA22]. **attributes** [PFB+22]. **atyid** [HBY+22]. **atypical** [EJM+23]. **Aufeis** [HGH+21]. **augments** [PFH21]. **Aurelia** [MBC+21]. **Australia** [MVBG20, LAB+22]. **autochthonous** [KBB+22]. **automated** [FHMK20, KAC+23]. **Autonomous** [LDG+21, BRCO21, WDG+21]. **autotrophic** [DWW+21]. **autumn** [SBM+21, SBV+21]. **availability** [FBJ+23, FNB+23, HZM+21, HPP+21, JHSG+24, JWAvD+22, KLP23, LTLH22, LBG+22, LHS+20, LSCL21, NCC+21, RBL+20, SMKS22, WWFS21]. **avoid** [GE22].

back [EDC24]. **background** [GLN+20, GLN+21]. **bacteria** [BMLV24, CCC+21, GAS+23, HPB+21, JHSG+24, LES+21, MLK+22, PDK+23, PATL+23, RHS+22, SJR21, VKGW22, ZLW+21a]. **Bacterial** [BLRM24, CCY+21, YPF+23, ZLL+24, BYS+23, CLD+23, CVF+20, KPG+23, MZW+21, PGN+21, PKV20, SPLJA+20, ZQB+21, ZZT+21]. **Bacterioplankton** [CGRGP+21, CTP21, WCC20, FWvA+21, IYW+22, LPO+20, WCZ+20, WPY+20, WZCK20, YML+21, dMKB+20]. **bacterivory** [AH20]. **Baikal** [CYZZ+20, ONH+20]. **balance** [BMR+21a, ESW+21, KBSA21, LVDM22]. **balances** [RST+21]. **Baltic** [TMKB+22, vHLV+20, BDMGH+23, CGRGP+21, CBB+22, HPNU20, KPL+20, LCHB22, RBR+23]. **bank** [RVS+22]. **bank-full** [RVS+22]. **barcoding** [CSM+23]. **Barents** [DGW+21]. **barite** [LN21]. **barium** [FSH+23]. **barnacle** [FJP+21]. **baroclinic** [ILPL20]. **barriers** [DCJB22, SORGC+21]. **Basal** [MHL+20, VCT+23]. **base** [SPR22]. **based** [BMA+20, BCWS23, GWS+21, HRK+22, LWH+23, LEB21, LLBC20, MLP+21a, MLB+21, MK20, RVS+22, SBD+21, VMP+21, WSZ22a, WSZ22b, vHHP+22, CBN21]. **Baseline** [CLW+21, GBW24, SOO+21]. **baselines** [DAN+22]. **Basin** [MGI+22, AJMG21, CWF+22, GGR24, KdED+20, KVKS22, LEK+22, MACC24, Roy20, SORGC+21, SSM+22b, DSY20, VCBB20]. **Basin-scale** [MGI+22]. **basin-wide** [SORGC+21]. **basins** [LLK+22, RBR+23, SHBA22, SHZ+21]. **bathypelagic** [CYZZ+20, SSS+24]. **Bay** [HSD+20, LZG21, MN20, AAB+22, LAMG+22, SSM+22a, WPY+20, XYL+23, CCB+20, FHMK20, MLK+22, SCB+20, SCT+21, TTC+22, TRS+20, WZCK20]. **bays** [JvKvT+20, MZW+21]. **be** [MCS+23]. **beach** [vEMF+20]. **bearing** [BO20, IMB+22]. **Beaufort** [CCDM21]. **bed** [ARBvS+21, MDBI20, PMD+23]. **bed-load** [MDBI20]. **bedrocks** [MHVC22]. **beds** [MRH+23, YvdHC+20]. **Beggiatoaceae** [MLK+22]. **behavior** [CLT+22, DKBG21, KCT23]. **behavioral** [GFG+22]. **behaviors** [CSB22]. **behind** [VSB+23]. **being** [MLL+21]. **below** [BZK+22, QBJG21]. **belowground** [CEE+22]. **bending** [SMF20]. **benefits** [JOC+20, OLR+23]. **Benner** [LD22]. **Benthic** [HZM+21, KPL+20, ABS+21, BSB+20, BMR+21b,

BWV+20, BZK+22, BOC+21, CEW+21, FKN21, HANW21, HPCH24, HCS+21, HBR+22, KVKS22, LHS+21, LBG+22, MV22a, MV22b, MBLA+21, MHdS+21, PSY+22, SLZ+21a, TKS+20, VCT+23, WHZ+21].
Benthic-pelagic [KPL+20, MBLA+21]. **bentho** [NvBE+21].
bentho-pelagic [NvBE+21]. **benthos** [CP22]. **Bering** [LNC+23]. **Bermuda** [CBN21]. **beta** [GCEM+23, LHL+21]. **betaine** [MAD+22]. **better** [SBD+21].
between [BHSG+20, BMA+20, BM22, BMLV24, BH21, CBS+21, DWW+21, DKPS23, FW21, GWS+21, GBB+21, HZM+21, HMB+20, LEK+22, LABM20, MCH+22, PPB+21, QS21, SDL22, SJJ+21, SWS+22, SDSGR21, SGSD+22, VVMJ23, WCZ+20, XKP+22, XTJW21, ZQB+21, ZLU+20, ZFQ+20].
Beyond [KHCG+22]. **bias** [MMLPRHCG22]. **biased** [KSI24].
Bidirectional [EST+24]. **Bight** [LMC+21]. **bio** [BHG+24, BC20].
bio-optical [BHG+24]. **bioactive** [BBA+23]. **bioavailability** [DVL+23, EJRRC+23, RBSB22]. **biochemical** [Ano21c, WRWPG19].
bioconvection [SBW21]. **bioconvection-induced** [SBW21].
biodegradability [SEK20]. **biodegradation** [BKC20, CWF+22].
biodiversity [GCMJ23, KPNJ23]. **bioerosion** [BFW+22]. **Biofilm** [CTF+21, ARBvS+21]. **biofilms** [MKP+23, RBAC+20]. **biofouled** [GLM+23]. **biofouling** [KWB21]. **biogenic** [BBCA+21, IKN+21, JHS+21, LWC+24, MZXY22, MY23, RNW+23, RWL+24, ZBNH+21].
Biogeochemical [BYB+23, DGTW21, RFB+22, SBM+21, TBH+22, VCBB20, WF22, WAPC20, BVM+20, CBD+23, EFC+23, FDF+21, GMMW20, KSF+23, LLMM+23, LGI+20, LZG21, LBG+22, MHD+22, MBD+23, MPW+23, SSP+20, TKH21, TCP+22, VMT+24, WOK+21, ZSD+20].
Biogeochemical-Argo [WF22]. **Biogeochemistry** [JLMW21, FBJ+23, JSB+20, KDZ+24, LWvdM+21]. **Biogeography** [MCH+21, MZW+21, BLRM24, MBD+22, PYM+20]. **Biogeomorphic** [QMG21, CZH+21]. **Biological** [CGD22, GMNG+24, MGL22, NTJ+20, ARBvS+21, BGM+22, DMS+21, DLL20, GBB+21, KTH+21, KBL+20, LTQS+21, MK21, ORRMD+21, PFH21, PVSP+22, PJRV23, QRWT+22, TKS+20]. **biomarkers** [PMF+21].
biomass [BRCO21, FBV23, HNS21, KTWGT20, LCS+20, LDB+20, LCZ+21, MTP+23, MSJ21, PBC21, QS21, SBB20, YAP+22]. **biomasses** [EG20].
biophysical [ASH+20]. **biospheric** [BJK+21]. **Biotic** [BC20, LGF22, MTP+23, MOW+22, TZF+22, WWB+20, WRMP22].
biotoxins [THS21]. **bioturbation** [BSB+20]. **bioturbators** [ZSF+23].
biovolume [MNM+21]. **bivalve** [GPB+20, MIR+22, WTvD+22]. **Biwa** [LDB+20, LDB+21]. **black** [BND+23, RCH+20, SO23, SGSD+22].
black-box [RCH+20]. **blackwater** [TUR+20]. **bleaching** [Ano21c, CBC+22, RFB+22, WRWPG19]. **bloom** [BMH+23, CGRGP+21, CMT+20, GMNG+24, GAS+21, HPP+21, KRC23, LZG21, MBB+20, MLS+21, PHM21, WOT+23, XMP+21]. **bloom-forming** [BMH+23]. **blooming** [MBC+21]. **blooms**

[BAHH+20, HM20, HMB+22, KAC+23, Roy20, SVC+22, SLJ+22, SKB+22, SRL+20, THT+20, THS21, ZXZ+23]. **Blue** [HMP+21, HGA24, FGP22, KBB+22, KHCG+22, LGQ+21, LAB+22, XWL+21, OGD20]. **bluefin** [OFM+21]. **Body** [GNO22, CHAA21, LDB+20, PMRG20, dJGCS23]. **Boeckella** [MSGW+20]. **bog** [SGL+23]. **boreal** [AVJ+24, AKT+21, CHS+20, FSM+21, KSH+23, MBA+21, MHSL22, MNMJ+21, RSLW23, RBSB22, VST+22]. **Borealization** [MN20]. **Both** [MTP+23]. **Bothnian** [RvHF+20]. **Bottom** [BD22, NH22, BMA+20, DHNH22, GÖA+23, LAFV23, LLBC20, PMD+23]. **Bottom-up** [BD22, BMA+20, GÖA+23, LLBC20]. **bound** [SdBW+23]. **boundaries** [KHCG+22, WSZ22a, WSZ22b]. **boundary** [DHNH22, NH22, NH23]. **box** [RCH+20, SO23]. **brackish** [GGS+21, HPB+21]. **branching** [RBD22]. **Brazil** [PLLM21]. **Brazilian** [BSB+20, HMP+21, LvBS+22, LHD+20]. **breakpoints** [PKKS20]. **breakup** [PW22]. **Bringing** [SHPW22]. **brown** [LLSQ24, SGGB21]. **Brownification** [SSM+22a]. **browning** [MHSL22, PC21, MSB+20]. **budget** [DdEM+23, GB23, VJH+22]. **budgets** [BBCA+21, CBC+22]. **buffering** [HSV22]. **builder** [GTKW+20]. **bulk** [BSGA21, CZS+22]. **buoy** [FIH+20]. **buoyant** [FGO+20, KWB21]. **burial** [AMO20, BJK+21, BSB+20, SGA+22, SSEO21, ZWM22]. **burrows** [XWL+21]. **business** [AAC+21]. **business-as-usual** [AAC+21].

C [LRNG24, HZC+24, LRRP20, WWGP21]. **C-storage** [LRNG24]. **C.** [PPB+21]. **cable** [HPB+21, MLK+22]. **CaCO** [LL23]. **caerulea** [LMP+20]. **calanoid** [TCS21]. **Calanus** [CSH21, CBS+21, PPB+21]. **calcification** [CGR22, CBC+22, GR24, KNG+23, MCH+22, RVBP23, dOKC+21]. **calcifiers** [MCH+22]. **calcifying** [JHS+21]. **Calcite** [DSY20]. **Calcium** [GAS+21, HXL+21, SSCE20, SKA+24, SCT+21]. **calculation** [KTWGT20]. **Calibrating** [LHGJ21]. **California** [LMC+21, PMRG20, ACE+22, CMB+21, CM20a, KBL+20, NTJ+20, SWB+20]. **californianus** [NTJ+20]. **Can** [DMCW23, ETG21, SYMF21, VMT+20, AR20, BVGQN22, KSN+21, MCS+23, MKM+23, THS21, ZLG+23]. **Canada** [KSH+23]. **Canadian** [BAG+24, GB21, GB23, PGEB22, RCMA21]. **Candidatus** [MLK+22]. **cannot** [ZLG+23]. **canopies** [TCP+22]. **canopy** [CCFF21]. **Canyon** [CFC+20]. **canyons** [LNR+20]. **capabilities** [BHSG+20]. **Cape** [SCC+21]. **capture** [JSW+21, ZPK+22]. **Capturing** [LDGB+23]. **Carbon** [BMCS23, CM20a, FXD+22, GBMKJ22, JHvL+23, KRM+20, MNM+21, SHS+22, ZSK+21, ACW+22, BND+23, BMR+21a, BCWS23, BRB+20, BSF+21, BJK+21, BCL+22, BSB+20, BDL+21, BPL22, CGC+21, CKCB+23, CEE+22, DGTW21, DWS+22, DCF+22, DdEM+23, DBM+23, DK20, DLL20, EJRRC+23, ESW+21, FGP22, FUUG+21, GBB+21, GLM+23, GAS+23, HCB+22, HMP+21, HANW21, HSBC20, HZM+21, HNS21, HGA24, HLS+22, IFU+20, JHSG+24, KHK+22, KBB+22, KHCG+22, LVDM22, LDGB+23, LDGB+24, LZD+23, LCHB22, LAB+22, MRH+23, MGWS23, MMG+21,

MRT+24, MCYR20, MKM+23, MNMJ+21, NKH+23, OBL21, PBP+23, PYY+20, PFH21, PC21, PNT+21, PVSP+22, PJRV23, QRWT+22, RVBP23, RMW+21, RHA+23, RSLW23, RVvB+23, RCH+20, SBD+21, SVMM+22, SSS+24, SZA+21, SML21b, SSEO21, SBL+21, SSS+20, SWK+23, SOT+20, SRM23, SKA+24, SGS22, TEK+21, TKS+20, VCT+23, VST+22, WF22]. **carbon** [WSZ22a, WSZ22b, WM20, XWL+21, XDQ+22, YAP+22, YXC+22, YSHS23, ZPK+22, ZLU+20, ZJW+22, ZLL+21, ZBNH+21, ZWM22, vGDH+21, OGD20]. **carbon-uptake** [RCH+20]. **Carbonate** [EWGP22, GBB+21, BBCA+21, CSD+24, CBC+22, LLK+22, SSCE20, SKA+24, SCT+21]. **carbonic** [SAD+20]. **carboxyl** [LPO+20]. **carboxyl-rich** [LPO+20]. **carcasses** [HCB+22]. **Caribbean** [ABC+21, GBB+21, MSL21, MHMML+22]. **Carpathian** [BRB+22]. **cascade** [CCY+21]. **cascades** [CAV+22]. **cascading** [EG20]. **Case** [JLMW21, LTJ+20, SWOR20, TMKB+22]. **catchment** [BCWS23, CZK+23, KSF+23, RNW+23, RS21]. **catchments** [TKW+23]. **catenella** [PHM21]. **causal** [MGWS23]. **cause** [LDGB+24, MWV22, NKH+23]. **caused** [GBO+20, RSLW23, SLZ+21b, SKB+22]. **causes** [AFH+22, Wei24]. **Cd** [LSL+20, BYB+23, LSL+20]. **Ce** [BYB+23]. **cell** [HDD+22, KTWGT20, LSL+20, OBL21]. **cellular** [LSL+20]. **center** [CTH+20]. **central** [AJMG21, PGN+21, HABL+21, SBM+21, TMKB+22, TMS+21]. **century** [BGM+22, NEB+22, TMKB+22]. **Ceriodaphnia** [HXL+21, ZLG+23]. **Cetacean** [WKRL+23]. **Cetacean-mediated** [WKRL+23]. **CH** [AFH+21, DRA+23]. **Chaetoceros** [KMM+22]. **chain** [MFGF+22, SGM+22]. **Challenges** [MBD+23, BDE+22, SHS+22]. **chance** [RS20]. **change** [AAC+21, ABC+21, BSGA21, BMB22, BDE+22, BPG+22, BFW+22, ETG21, FM21, FMT+20, GGLH+22, KDV+23, LAD+22, LZM+21, LMSN23, MHD+22, MDDL22, MPW+23, NEB+22, SRV+20, SEK20, WHAR+20, WBB+21, WCH+21, ZXE+23, dSNIB22]. **changepoint** [PW22]. **Changes** [DNB+20, HZS21, MSB+20, BHG+24, BGM+22, DMC+22, DAD+21, EG20, EPR+24, FLH+23, GLAHH+23, KLO23, KHHZ20, LSC+21, LGQ+21, LXC+21b, MY23, MFM+21, MSD23, RSLW23, RGW+23, SSS+20, SSM+22a, SLZ+21b, SGM+21, XYL+23, ZLS+21, vEMF+20]. **Changing** [YAH+21, CBPNA22, DKBG21, DK20, GTKW+20, HANW21, HTSG21, JLR+22, KBSA21, LGQ+21, MLL+21, MRT+24, PC21, WOMWR20]. **channel** [LGF22]. **Character** [PSNG+21]. **characteristics** [CZS+22, DGTW21, GPB+20, HHMH22, LGF22, MSB+20, VMT+24]. **Characterization** [HRK+22, CBN21, EJRRC+23, TMM+20]. **characterize** [OAM+22]. **Characterizing** [AHF+22, KdED+20, KDV+23, NGSS23]. **charophytes** [SKA+24]. **chemical** [BC20, MRD+21, WOMWR20]. **chemistry** [BLS20, CGR22, CSD+24, DAB+21, EWGP22, FKN21, HSP+20, MHVC22, NTJ+20, YJB+20, YMSH20, ZPK+22]. **chemodiversity** [SGSD+22]. **chemostasis** [AFH+21]. **chemosynthetic** [AGC+21].

chemotone [AGC+21]. **Chesapeake** [CCB+20, LZG21, MLK+22, SCB+20, SCT+21, TTC+22, WZCK20]. **China** [MLL+21, LCZ+21, PYY+20, SLHL+22, WPY+20, XDQ+22, XMP+21, XYL+23, ZZWL22, ZZB+20]. **chironomid** [MDDL22]. **chloride** [RD23]. **chlorophyll** [DNB+20, DMM+21, GF21, QFM+21, SWOR20, SPLJA+20, TMSL22, YJ20, vdPMF+21]. **chlorophyll-a** [DMM+21, TMSL22, vdPMF+21]. **chlorophytes** [AWGV20]. **Chloropicophyceae** [EHC+22]. **choice** [VKGW22]. **choline** [MAD+22]. **Choquet** [PPB+21]. **chromophoric** [AVJ+24, ZZT+21]. **chronic** [EFP+21]. **Chronically** [SIP21]. **chronometers** [LvBS+22]. **Chukchi** [RSH+20]. **Chydorus** [WNHY21]. **ciliates** [TION23, Wei24]. **Circumpolar** [DAB+21, YAH+21, YAP+22]. **cladoceran** [WNHY21]. **clam** [WOMWR20]. **clarity** [DAN+22]. **classification** [LWH+23]. **clear** [MLC+21]. **clear-water** [MLC+21]. **cliff** [CZH+21]. **Climate** [LCS+20, MLC+21, AAC+21, BPG+22, CMB+21, DMM+21, DK20, DMCW23, Edm21b, ETG21, FM21, FMT+20, HEH+20, HFL+20, HZM+21, KHB22, LLSQ24, LZM+21, LMSN23, MHD+22, MPW+23, NEB+22, OSR20, SBH23, SRV+20, WHAR+20, dSNIB22]. **climate-driven** [ETG21, HFL+20]. **climate-sensitive** [HZM+21]. **climatic** [CEE+22, CVF+20, KdED+20, MLP+21a, MDDL22, MCH+21, PMRG20]. **climatology** [PBGGRB21]. **clines** [LCS+20]. **Clockwise** [MAP+22]. **clonal** [CZH+21]. **close** [MKP+23]. **Cloudy** [RS20]. **Clytia** [CUS21]. **CO** [ACW+22, LSL+20, YG23, MHSL22, SdBW+23, MZW+21, MCYR20, VGvdB+21, YSHS22, ZZT+21, AFH+21, ACW+22, AKT+21, BLS20, CT23, CTM+21, CCB+20, CSC+21, CMCC24, CHS+20, DRA+23, HGA24, MGP+21, MRT+24, NB20, RRHS+21, SDB+23, SPLJA+20, VLP+21, XWL+21, YMSH20, YSHS22, YSHS23, KMV+20, KMM+22]. **Co-acquisition** [SdBW+23]. **co-existence** [MCYR20]. **co-limitation** [YSHS22]. **Co-occurrence** [MHSL22, MZW+21, ZZT+21]. **co-occurring** [VGvdB+21]. **coal** [BWV+20]. **coast** [CCDM21, NSK+21, PBP+23, SPKM22]. **Coastal** [GÖA+23, LHS+21, LMS+21, MIR+22, NEB+22, SSS+20, ZLW21b, AMO20, BND+23, BPIBN20, BMR+21b, BGAD+22, BJS+23b, BWSW24, BKMY21, CSM+23, CTP21, CGD22, CPBJR+21, CCG+22, DCJB22, EJRRC+23, FBR+23, FBJ+23, FWDY20, HRK+22, HPB+21, HSV22, IÁSNCR21, JLW+23, KLO23, KHK+22, KdED+20, KSF+23, KRM+20, LRNG24, LTH21, LCHB22, LRM21, MHG+23, MBC+21, MAD+22, MCS+23, MKD22, NSK+21, NGSS23, PYY+20, PLLM21, QS21, SOSN23, SMG+22, SCC+21, SRV+20, SLZ+21b, SOT+20, SSR+23, SSB+22, TNK+22, TJW+22, THVJ23, TMKB+22, WHAR+20, WWB+20, WHZ+21, YML+21, YGD+21, ZSD+20, ZJW+22, ZSZ+22, ZWM22, vHLV+20, vHHP+21, vLWV+20]. **coastline** [BGAD+22]. **cobalt** [KMV+20, WXK+22]. **coccolithophore** [GBB+21, JLR+22, ZLS+21]. **coccolithophores** [GDB20]. **coefficient** [ZXE+23]. **coerulea** [MBC+21]. **coexistence** [LTJ+20]. **coherent** [FHR+21]. **Cold** [BFW+22, GR24, KKP+21, MACC24, RCS+20].

cold-adapted [KKP+21]. **Cold-water** [BFW+22, GR24, MACC24]. **colimitation** [LSL+20]. **colonial** [DTPV21]. **colonies** [EBW+20, SdBW+23]. **colonization** [MKBSK19]. **colonizing** [KL22, dOKC+21]. **colony** [KOR+20, ZSZ+21]. **colony-forming** [KOR+20]. **color** [GBHF21]. **Colorado** [DSY20]. **colored** [CM21]. **column** [BRB+20, HMB+22, KRM+20, LHS+21, LDS+20, PSY+22, SGSD+22, SGK+21, TZF+22, TRS+20]. **combinations** [GRJ20]. **Combined** [IFU+20, WHAR+20, SVC+22, SN22]. **Combining** [APB+23]. **Comment** [LD22, PPB+21, CSH21, SB22, ZR23]. **commercial** [HSP+20]. **common** [BMH+23, BWSW24, MLB+21]. **commonality** [LTQS+21]. **communities** [BBH+20, BAD+21, CGRGP+21, CCY+21, DVL+23, EDC24, EJRRC+23, FBP20, FR23, GCW+23, GMS21, HBS+22, HBY+22, HPCH24, IMB+22, KPNJ23, KPS21, LRNG24, LNR+20, LBG+22, MXL+21, MDP+23, MHdS+21, MOW+22, PKKS20, SORGC+21, SPHH22, TMS+21, VJH+22, WPY+20, XKP+22, XYL+23, YML+21, ZQB+21, dMKB+20, dOKC+21, vEMF+20]. **community** [AR20, AFK+22, BHSG+20, BMA+20, BMLV24, BVGQN22, CB21b, CVF+20, DBFC24, FWvA+21, FAB+20, FKN21, GSP+23, GGHBS+20, HZS21, HLS+22, KHHZ20, MDDL22, MVBG20, OYM+20, PKV20, RvHF+20, RPKC22, SH22, SGL+23, SSM+22a, SBV+21, SGSD+22, TPTS23, WBB+21, WCZ+20, WMRL22, YAE+23]. **community-environment** [GGHBS+20]. **Comparative** [MK20, MVBG20, HTLP23]. **Comparing** [LHD+20, SHZ+21, XTJW21, WTvD+22]. **Comparison** [EWF22]. **compensation** [BWB+22, dJGCS23]. **competition** [DWW+21, MKL+24, PCC+23]. **competitive** [SDSGR21]. **Complex** [WSB+20, ASL+24, BRB+22, FBRG23, LSC+21, WNHY21]. **complexation** [WOK+21]. **complexes** [KLP23, dCLO+23]. **Complexities** [LCM+22]. **complexity** [CLC+22]. **complicate** [MSJ21]. **complicated** [WPO+22]. **component** [DMS+21]. **components** [AMC21, ZZB+20]. **composition** [Ano21c, BHSG+20, BPIBN20, BYS+23, BCFI+22, CPB+21, CSM+23, DVL+23, DvOH+20, DBM+23, EHC+22, FBRG23, GAS+23, HANW21, HZS21, HCS+21, JLS+20, KHB22, KAP+20, KSR20, LBBM21, LSC+21, LXC+21b, MO23, PGEB22, PATL+23, PGN+21, RvHF+20, RLP+20, RRAO+21, SSM+22a, SEK20, SBV+21, SSB+22, SGSD+22, TPTS23, TUR+20, WRWPG19, WCZ+20, XTJW21, ZLIP20, ZZT+21, ZYZ+21, dMKB+20, vdPAV+20, vdPMF+21]. **compositional** [BSF+21]. **compositions** [SVMM+22]. **compound** [DMS+21]. **compound-specific** [DMS+21]. **compounds** [EBK+20, GDB20, LPO+20, MZXY22, MY23, MRD+21]. **comprehend** [MMLPRHCG22]. **computed** [IKN+21, MMLPRHCG22]. **concealed** [DKW+21]. **Concentration** [TUR+20, AFH+21, ARPFGS23, CHS+20, CZS+22, DNB+20, HXL+21, LD22, SOSN23, SB22, SZA+21, VCBB20]. **concentration-discharge** [AFH+21]. **concentration-driven** [LD22, SB22]. **Concentrations** [DWS+22, BTT23, BCTH20, BAG+24, DRA+23, DKBG21,

EBK+20, RCMA21, TKW+23, TMSL22]. **concepts** [GM22]. **Conceptual** [RST+21]. **Concurrent** [HSB+20]. **conditions** [AH20, CM21, CVF+20, LSW+20b, MLS+21, PHM21, SN22, SBL+21, TKM+22, WOMWR20, ZLS+21, ZXZ+23]. **congruence** [GWS+21]. **conjugated** [SJH20]. **conjunction** [PMRG20]. **connecting** [MBD+23]. **Connectivity** [BGAD+22, CPBJR+21, DCJB22, DPB+23, DFJ22, GLB+22, JSB+20, MACC24, VVMJ23]. **Consequences** [KTWGT20, MBA+21, RGP+22, MLP21b, Wei24]. **conserved** [LABM20, SSH+22]. **consideration** [WSZ22a, WSZ22b]. **consistent** [EFP+21]. **consortia** [CYPRG+23]. **constituents** [KSF+23]. **constitutes** [PPB+21]. **constrain** [KVKS22, ORRMD+21]. **Constraining** [MBD+22]. **constrains** [MMG+21]. **constraints** [FDHS20, FXD+22, GFW+20, LSDA21, TSX+23, WLK+21, ZPK+22]. **consumer** [HHK+22]. **consumers** [MV22a, MV22b, VGSB23]. **consumes** [LES+21]. **consuming** [SCB+20]. **consumption** [CGC+21, HP20, KHSP21, MP23, TZF+22]. **contact** [XLN21]. **containing** [ZLW+21a]. **contamination** [LMS+21]. **content** [BMCS23, HLKD23, HNS21, HGA24, LLMM+23, MNM+21, OBL21]. **contents** [XSZ+21]. **conterminous** [FBK+22, GGR24, LWH+23]. **contextually** [HMB+20]. **contiguous** [BCTH20]. **continent** [LL23]. **continental** [BMA+20, CHP+24, DMM+21, HTLP23, HM20, KTH+21, KPS21, LvBS+22, MZXY22, MY23, PGEB22, QRWT+22, THT+20, WRC+21, ZLU+20]. **contingency** [GGLH+22]. **continuous** [LWH+23, SEG21]. **continuum** [BMLV24, EJM+23, ZYZ+21]. **contrasted** [IJSC20]. **Contrasting** [CGB+21, DFJ22, DKPS23, GFG+22, GBC+20, MLK+22, RBR+23, WTvD+22, WRHR22, BCL+22, CGL+21, LZM+21, VMP+21]. **contrasts** [BHSG+20, RHP+23]. **Contrib** [Ano20n, Ano20o, Ano20p, Ano20q, Ano20r, Ano20s, Ano20t, Ano20u, Ano20v, Ano20w, Ano20x, Ano20y]. **contribute** [CKCB+23, HCB+22, HVMS+21]. **Contribution** [LLL+23, VGSB23, LLSQ24, LAMG+22, PJRV23, PMJ+21, SBD+21]. **Contributions** [XMP+21, HLH+23, LLTT+24, OGD20, WF22]. **contributor** [GKW+20, GKW+21]. **Control** [CLD+23, HPP+21, AFH+21, GÖA+23, JvKvT+20, LD22, LGF22, LLBC20, PCJ+21, RS20, SB20, VLP+21, YOXC23, vdPMF+21]. **controlled** [BKMY21, KPM+20, KRM+20, SCT+21, ZZL+21]. **controlling** [KNG+23, PCC+23]. **Controls** [HSV22, LD22, TKW+23, ARBvS+21, ASH+20, CFC+20, ESW+21, FBK+22, HBY+22, HPF+23, LHS+21, LCZ+21, MLK+22, MT23, PMD+23, YMSH20, SB22]. **conundrum** [BC20]. **convection** [AHF+22]. **conversion** [SGSF20]. **cope** [VMT+20, WTvD+22]. **Copepod** [EWF22, KSI24, CHAA21, LDB+21, MSGW+20, SYMF21, TION23, TVB+21, VMP+21, XSZ+21]. **copepods** [BJS23a, CHA+24, HMBB21, KL22, LAFV23, LTJ+20, PJRV23, RTK23, SMF20, TCS21, dJGCS23]. **Coping** [CBT+21]. **copper** [KP20, WOK+21].

copy [ZR23]. **Copyright** [Ano20b, Ano20c, Ano20d, Ano20e, Ano20f, Ano20g, Ano20h, Ano20i, Ano20j, Ano20k, Ano20l, Ano20m, Ano21e, Ano21f, Ano21g, Ano21h, Ano21i, Ano21j, Ano21k, Ano21l, Ano21m, Ano21n, Ano21o, Ano21-53, Ano21p, Ano22e, Ano22f, Ano22g, Ano22h, Ano22i, Ano22j, Ano22k, Ano22l, Ano22m, Ano22n, Ano22o, Ano22p, Ano22a, Ano22q, Ano23a, Ano23b, Ano23c, Ano23d, Ano23e, Ano23f, Ano23g, Ano23h, Ano23i, Ano23j, Ano23k, Ano23l, Ano24a, Ano24b, Ano24c]. **Coral** [FKN21, KDW+23, MHMML+22, SSL22, BST+22, BCFI+22, BBCA+21, BFW+22, CÖL+20, CDW+24, CBC+22, Edm21a, EFP+21, FHR+21, GCMJ23, GLB+22, HPCH24, LMS23, LBG+22, LRRP20, MCH+22, MGP+21, MSD23, MACC24, MMLPRHCG22, MDIY23, OLFH21, RMH+22, RBD22, RCH+20, SHBA22, SWZ+23, SSCE20, VVMJ23, dOKC+21]. **coralline** [GR24, KNG+23, WCH+21]. **corallite** [MMLPRHCG22]. **corals** [ABC+21, Ano21c, CTM+21, Edm21b, FPBG+22, LRdGFP23, PMJ+21, RFB+22, WRWPG19]. **core** [LTQS+21]. **cornuta** [HXL+21, ZLG+23]. **correlate** [MSD23]. **corridors** [DCJB22]. **Corrigendum** [Ano21a, Ano21b, Ano21c, CLC+21, GSG+21, GKW+21, LEK+22, MV22a, Phi21, WSZ22a]. **cosmopolitan** [MRT+24]. **count** [MBD+23]. **counter** [YAH+21]. **counteracts** [GGLH+22]. **Countergradient** [DKW+21]. **Coupled** [EG20, HPB+21, RHP+23, ACW+22, BRCO21, BVM+20, LZG21, MBLA+21, MK20, SBB20]. **coupling** [HJWP24, KPL+20]. **covariance** [BBMD20, VLP+21]. **cover** [BGM+21, MGI+22]. **covered** [CVF+20, LDS+20, LXC+21b, PMD+23, SSM+21a, SMCS23]. **crab** [XWL+21]. **crabs** [CJB+21]. **Crassostrea** [MDWT+22, WSB+20]. **creek** [RWMP+23]. **creeks** [WPO+22]. **criteria** [MGWS23, MSJ21]. **Crocosphaera** [DFW+20, ZFQ+20]. **crop** [JHSG+24]. **Cross** [FGO+20, DAN+22, GLN+20, GLN+21, GPDA+20]. **cross-scale** [DAN+22]. **cross-shelf** [GPDA+20]. **Cross-shore** [FGO+20, GLN+20, GLN+21]. **crossflow** [JYA21]. **crowding** [ZLG+23]. **cruise** [ZZO+21]. **crustacean** [RVBP23, SO23]. **crustaceans** [BZSF23, WNHY21]. **crustose** [GR24, WCH+21]. **Cruz** [TZF+22]. **cryosphere** [HGH+21]. **cryptophyte** [CT23]. **ctenophores** [CCG+22]. **cues** [BK20, BMGK22, ZSZ+21]. **cultured** [LHGJ21]. **Current** [ACE+22, CMB+21, Lem20, SN22, SSL22, SYMF21, VMT+20, BFCC+21, DAB+21, KBL+20, SWB+20]. **currents** [FBRG23, SLJ+22]. **cyanobacteria** [AWGV20, DCK+22, JSPS24, LBvE23, LEK+22, MTP+23, PSNG+21, WOT+23, WWFS21, ZJ22a, ZJ22b, ZFQ+20]. **cyanobacteria-derived** [PSNG+21]. **cyanobacterial** [EWGP22, FBP20, HMB+22, KRC23, MBB+20, Roy20, SRL+20, XMP+21]. **cyanobacterium** [BMH+23, DTPV21, GFW+20, SDS+23, YG23]. **Cyanothece** [hTRH20]. **cycle** [BPL22, CVF+20, GBO+20, LAMG+22, SSS+20, XYZ+21, ZSD+20]. **cycles** [GMMW20, LLMM+23, NH22, TKH21, vdPMF+21]. **Cyclical** [LMSN23]. **cycling** [ABS+21, BYB+23, BCA+20, CCK+21, CBF+23, CLD+23, DNA+22, FMT+20, HSBC20, HTSG21, HDK+21, JHvL+23, KWS+21, KHCG+22,

LBG+22, MPW+23, ORRMD+21, PCJ+21, RLL+21, RGP+22, SLZ+21a, SBW+20, THL+21, WCC20, WRS+22, WOK+21, XMP+21, ZLL+24]. **Cyclone** [BJS+23b, BPL22, WCC20]. **cyclone-anticyclone** [WCC20]. **Cyclonic** [ZBNH+21, ACE+22]. **cylindrus** [MLG+20]. **Cymodocea** [JREVB21]. **cytometry** [FHMK20].

Daily [CGGC+21, LSS+24]. **Dakota** [THT+20]. **damage** [vHHP+21]. **dampen** [dJGCS23]. **damping** [SN22, ZLN21]. **Danish** [GBMKJ22]. **Daphnia** [DKW+21, DMCW23, LBvE23, MTB+21, MKL+24, RVBP23, RBL+20, VGvdB+21, YWZ+21, ZSZ+21]. **Dardanelles** [CÖL+20]. **dark** [KGG+23, vdPAV+20]. **darkening** [GÖA+23]. **darkness** [CBT+21, CGB+21, MLG+20, QBJG21]. **data** [ASH+20, BMB22, CZK+23, DAD+21, MVP+20, OAM+22, PSY+22, WF22]. **data-limited** [ASH+20]. **dataset** [PPB+21]. **day** [EWGP22, GK22]. **de-eutrophication** [DNB+20]. **dead** [BK20, HCB+22, MHMML+22, dOKC+21]. **death** [DFW+20]. **decadal** [BBMD20, LDB+20, LDB+21, SMP21]. **decades** [BMB22, GGLH+22]. **decay** [HKM+20]. **Deciphering** [BND+23]. **decline** [FBK+22, YLT+20]. **declines** [BWB+22, HDD+22]. **declining** [PGN+21]. **decomposition** [BZK+22, ZLL+21]. **Deconvolving** [WDS+23]. **decoupled** [DMC+22]. **decouples** [SCT+21]. **decoupling** [NKH+23, ZBNH+21]. **Decrease** [KLO23, FBV23]. **Decreased** [HXL+21]. **decreases** [LLTT+24, RVBP23, ZLL+21]. **Decreasing** [MGP+21]. **Deep** [CKCB+23, HMM+22, SWOR20, AGC+21, AHF+22, BMR+21a, BZSF23, CYZZ+20, CLW+21, CPBJR+21, FWDY20, GLAHH+23, HJWP24, Lem20, MBLA+21, MKBSK19, MOW+22, OBB+20, PFH21, PCN22, REF+21, SJH20, SSM+21a, SSP+20, SPLJA+20, SSWM20, SDS+23, SHPW22]. **deep-pelagic** [BZSF23]. **Deep-sea** [HMM+22, AGC+21, BMR+21a, CLW+21, MBLA+21, MKBSK19, OBB+20, PCN22]. **deep-silled** [HJWP24]. **deeper** [Ano21a, GSG+17]. **deeply** [CYPRG+23]. **defense** [HXL+21]. **defensive** [ZSZ+21]. **deficient** [AHCJ+20, BYB+23, CBB+22, CKCB+23, DNA+22, EBK+20, LVHK20, MLL+21, SMW+21]. **define** [CSB22]. **Defining** [PPB+21]. **definition** [BO20]. **Deforestation** [GBO+20]. **deformation** [GLN+20]. **degradation** [BMG+23, CPB+21, FXD+22, GAS+23, LLC21, PWS+20, RLP+20, YAH+21]. **degree** [KSN+21]. **delays** [RVBP23]. **delineated** [BSF+21]. **delineation** [BGAD+22]. **delivery** [GPDA+20]. **Delta** [PYY+20, CMCC24, CM21, YLT+20, LTH21]. **delta-front** [YLT+20]. **deltaic** [LTH21]. **Delving** [GSG+17, Ano21a]. **demand** [BMA+20, MHG+23]. **demands** [BMR+21a]. **demersal** [TGE+21]. **demography** [MMLPRHCG22]. **demonstration** [SVBT20]. **Denitrification** [CEW+21, CHP+24, ACA+22, RWS+22]. **denitrifier** [LPMBR23]. **denitrifying** [ZQB+21]. **Density** [CHAA21, HZC+24, YJB+20]. **Density-dependent** [CHAA21].

Dependency [KLG+23, GZX+22]. **dependent** [BMLV24, CHAA21, GNO22, HGH+21, KP20, LMP+20, MWHR+22, OBL21, SZY+20, WHZ+21, ZLS+21]. **depleted** [SBW+20]. **depletion** [SMCS23, SSWM20]. **deposition** [BFE+20, GRJ+22, SKA+24, YAE+23, ZLW21b, vEMF+20]. **depositional** [HMB+20]. **deposits** [KRM+20]. **deprivation** [CBT+21]. **Depth** [DWS+22, KVKS22, LMP+20, BSGA21, BMS+22, CÖL+20, CEE+22, DLC+22, FGO+20, GGR24, GLN+21, LAFV23, MTB+21, PMF+21, SO23, SMKS22]. **Depth-dependent** [LMP+20]. **depth-keeping** [FGO+20]. **depth-related** [BSGA21]. **depths** [LMS23, SSH+22]. **derived** [CDW+24, DVL+23, DLDF21, PSNG+21, SWZ+23, SHE+21, TNK+22, TKS+20, vGDH+21]. **desert** [BHR+23, GRJ+22, RGP+22]. **design** [KFHS24, RWT+21]. **despite** [KTA+21, LMM+21, MKP+23]. **detect** [SYMF21]. **deteriorating** [QMG21]. **deterioration** [HSB+20]. **determinations** [ADLW22]. **determine** [BHG+24, CSM+23, CUS21, GF21, LPMBR23, PGB24, PHM21, WOT+23, dSNIB22]. **determines** [JSB+20]. **determining** [CZH+21]. **Deterministic** [PATL+23]. **Detritus** [BVL+23, LMP+20, SPKM22]. **Detritus-hosted** [BVL+23]. **development** [MOW+22, MNMJ+21, OYM+20]. **Diatom** [CMB+21, XSZ+21, AR20, BVGQN22, CGRGP+21, CMT+20, FR23, GBC+20, HDS+20, KSN+21, KMM+22, KKP+21, KP20, LAMG+22, MGC+20, MRT+24, MLG+20, OBL21, QBJG21, STB22, SKB+22, WRS+22, YSHS22, YSHS23, ZLIP20]. **diatom-dominated** [GBC+20]. **diatom-rich** [LAMG+22]. **Diatoms** [DKBG21, ACE+22, AWGV20, BRCO21, CLGH23, CGB+21, FLH+23, HVMS+21, KMV+20, KOR+20, KLP23, LSL+20, LHGJ21, MAP+22, MLT+21, RWL+24, WRHR22, ZLL+21, vdPAV+20]. **diazotroph** [ALG+23, LTLH22, MBD+22, SCC+21, SWZ+23]. **diazotroph-derived** [SWZ+23]. **diazotrophic** [DCK+22, HBS+22, JSPS24]. **Diazotrophs** [WWFS21, FBP20, GFW+20, RHS+22]. **Diazotrophy** [WOT+23]. **Dichtyochophyceae** [LES+21]. **die-off** [SVBT20]. **dieback** [HFL+20, YOXC23]. **Diego** [GNO22]. **Diel** [KTWGT20, BHG+24, BJS23a, GNO22, LGI+20, MK21]. **diet** [DvOH+20, TION23, VST+22]. **differ** [BSIdG23, BMLV24, SWS+22]. **differences** [HMBB21, VGvdB+21, XSZ+21]. **Different** [HEH+20, LPO+20, SML21b, BRCO21, BRB+22, CGGC+21, KSN+21, MTB+21, MHMML+22, RBR+23, SSL22, XSZ+21, ZLS+21, ZZB+20]. **Differential** [KBB+22, RWL+24, VKB+22]. **differently** [BWSW24, WWFS21]. **differs** [BRB+20, JLS+20]. **diffuse** [ZXE+23]. **diffusion** [ZLIP20]. **digitale** [MMKWZ22]. **dimensional** [CLT+22]. **dimensions** [LHL+21]. **dimethyl** [MT23, XYZ+21]. **dimethylated** [MZXY22, MY23]. **dimethylsulfide** [GMNG+24]. **dimethylsulfoniopropionate** [ORRMD+21]. **dimethysulfoxide** [HDK+21]. **dimictic** [ACA+22, PW22]. **dinitrogen** [SBL+21]. **dinoflagellate** [CGRGP+21, FHMK20, PHM21]. **dinoflagellates** [CLGH23, FHMK20]. **dioica** [MLS+21]. **dioxide** [BCL+22, CM20a, DGTW21, HNS21, RVBP23, RHA+23, SBL+21, SWK+23, XDQ+22]. **dipole** [LXC+21a, WCC20]. **direct**

[MEQBV20]. **direction** [WWB+20]. **directly** [FWvA+21]. **discharge** [AFH+21, FKN21, IÁSNCR21, KRB+21, KRM+20, MGI+22, PCN22, RTM+21, SZA+21, WLK+21, vdPMF+21]. **discharging** [BKMY21]. **disconnected** [BGAD+22]. **discovery** [DNA+22]. **Disease** [ARB+22]. **disentangled** [GMNG+24]. **Disko** [MN20]. **disparate** [SMW+21]. **Dispersal** [PHM21, DCJB22, GCW+23, MLS+21, ZZL+21, ZSZ+22]. **dispersion** [CTH+20, RPA+22]. **disproportionately** [BKC20]. **disruption** [RS20]. **dissimilatory** [CEW+21, RWS+22]. **dissipation** [PLLM21]. **dissipative** [EWF22]. **dissolution** [BFW+22, EBW+20, LLK+22, LN21, MSG+22, RWL+24, SSCE20, SCT+21]. **dissolvable** [MCS+23]. **Dissolved** [BMR+21a, BCWS23, BSF+21, MRD+21, PNT+21, RMW+21, SGS22, AVJ+24, AKT+21, AMC21, BND+23, BMCS23, BPIBN20, BAD+21, BGG+20, BYS+23, BGM+21, CGGC+21, CPB+21, CTP21, CLC+22, CM21, CCDM21, DVL+23, DPB+23, EJRRC+23, FAB+20, GB23, HYPG+22, HOB+22, HP20, JSL+23, JSB+20, KAP+20, KMV+20, KDZ+24, KHSP21, KDV+23, LBBM21, LRdGFP23, LMM+21, LD22, LPMBR23, LSC+21, LXC+21b, LPO+20, LHMR23, LMS+21, LSS+24, MGL22, MCS+23, MHP+23, PBC21, PCJ+21, PSNG+21, PWS+20, PC21, QRWT+22, RVBP23, RHA+23, RWMP+23, RSLW23, RCMA21, SJH20, SB20, SB22, SZA+21, SOT+20, SEK20, SCT+21, SGSD+22, TSX+23, VST+22, WMRL22, YWLY20, ZZT+21, ZYZ+21, ZZB+20, dMKB+20]. **Distinct** [AFH+21, CBD+23, LHMR23, WCZ+20, XYL+23, LPO+20, LNC+23, SJJ+21, SKB+22, WWGP21]. **distinguish** [WRMP22, ZLG+23]. **Distinguishing** [DMS+21, DAB+21]. **distributed** [HGF+21]. **Distribution** [BCA+20, BRB+22, dCLO+23, BFCC+21, BBGM20, CBHB21, DCJB22, EBK+20, FBRG23, GGR24, KBL+20, LBBM21, LL23, MLK+22, OFM+21, RBR+23, SMKS22, SCM22, TRS+20, VSB+23, ZZO+21]. **distributional** [GBC+20]. **Distributions** [WOK+21, EPR+24, HBG+22, JSL+23, LAFV23, LWC+24, LLBC20, MT23, PYY+20, YAH+21]. **Disturbance** [WPO+22, BPG+22, LCM+22, SYMF21, ZSD+20, ZTT23]. **disturbances** [LDB+20, RPKC22]. **disturbed** [BCWS23]. **diurnal** [BWSW24]. **Divergent** [QRWT+22, BRB+22]. **Diverse** [FM21, GSP+23, BMCS23, DBFC24, KSN+21, LABM20, MCH+22]. **Diversification** [Gil22]. **diversity** [BOC+21, BBL+21, CML23, CLC+22, CKH+21, FBV23, GCEM+23, GZX+22, HMM+22, LHL+21, LWS+22, MHdS+21, MKP+23, PYM+20, PGEB22, RPKC22, SLHL+22, VSB+23, WNHY21, XTJW21]. **division** [KTWGT20]. **DNA** [CSM+23, CBN21, GWS+21, OGD20, SLHL+22]. **DNA-based** [CBN21, GWS+21]. **DNRA** [CHP+24]. **Do** [WRA+23, KGG+23, RMH+22, SEK20, ZXZ+23]. **DOC** [BMR+21a, HLKD23, MBH+23, MFGF+22]. **does** [CHS+20, LPA+23, RBD22, ZZCD23]. **doi** [Ano21a]. **Dolioletta** [FLW+21]. **doliolid** [FLW+21]. **DOM** [BHSG+20, BKC20]. **Dominance** [NH22, FHMK20, HEH+20, PHM21, SDS+23]. **dominant**

[BSIdG23, BMR+21a, KSN+21, KRB+21, ONH+20, SYT+21]. **dominate** [FBP20, MSG+22]. **dominated** [CMCC24, DKPS23, GBC+20, HBS+22, JvKvT+20, KVKS22, KDV+23, NDP+24, OMM21, QS21, RMW+21, SH22, WCZ+20]. **dominates** [VVMJ23]. **Dongshan** [XYL+23]. **DOP** [BPIBN20]. **dormant** [ZJ22b]. **Dosidicus** [PMRG20]. **double** [SBH23]. **down** [BMA+20, BD22, GÖA+23, LLBC20, RS20]. **downslope** [NH22]. **downstream** [RD23]. **drainage** [AFH+22, BWV+20]. **drift** [FGO+20, LLC21, SBM+21]. **drifters** [CTH+20]. **drive** [AWGV20, AR20, DPB+23, DCF+22, DLC+22, HMB+20, LCS+20, MV22a, MV22b, PBC21, PATL+23, PSK21, SLJ+22, SORGC+21, SSS+24, SGM+21, XDQ+22]. **driven** [AHF+22, BVGQN22, CGRGP+21, CSC+21, ETG21, EPR+24, FBRG23, FHR+21, GBC+20, GKW+20, GKW+21, HFL+20, HPP+21, LD22, LMSN23, MCH+22, MKL+24, SB22, SLZ+21b, TEK+21, ZCZ+23, vdPMF+21]. **driver** [NvBE+21, SGS22, ZZWL22]. **Drivers** [ACW+22, CCA+21, FHMK20, IOS24, MFM+21, MAG+22, VSB+23, BAG+24, BMS+22, CGGC+21, CBPNA22, DAN+22, DRA+23, GCMJ23, GSD+23, GLB+22, HTLP23, HHK+22, JHBB22, KAP+20, KdED+20, KOR+20, KAC+23, KBvdD+20, KDV+23, LDGB+24, LHL+21, LHMR23, MBB+20, PGEB22, RWMP+23, RKBT+23, SLHL+22, TMKB+22, VCBB20, WRC+21, WRMP22, ZSF+23, vLWV+20, CHS+20]. **drives** [DBB+21, DBM+23, KDZ+24, KBL+20, MHdS+21, RTM+20, RTM+21]. **driving** [CZH+21]. **dry** [YAE+23]. **drying** [CTF+21]. **Dual** [TMM+20, LLC+23]. **due** [AFH+21, BHSL21, BGM+22, MLP21b, XSZ+21]. **duration** [ABC+21, CTF+21, PW22]. **during** [ACA+22, AJMG21, Ano21c, BGM+22, BPL22, CCC+21, CM20b, GB23, GK22, HRK+22, HKM+20, KRC23, KTH+21, KGG+23, MLS+21, MDDL22, MAP+22, PFH21, SBM+21, SGA+22, VJH+22, WRWPG19, WSB+20, WMRL22, XTL+20, YWLY20, ZLW21b, vHHP+22, vdPAV+20]. **dust** [BFE+20, GRJ+22, LCHB22]. **dye** [CTH+20]. **Dynamic** [LXC+21b, RRAO+21, KDV+23, WRMP22]. **Dynamics** [CMT+20, ZLU+20, AFH+21, ACW+22, ACA+22, AWB+23, AR20, AFM23, AVS+22, ASL+24, BJG+22, CGRGP+21, CZH+21, CÖL+20, CAV+22, CBHB21, CGL+21, CMB+21, CKCB+23, CLD+23, DCF+22, DGW+21, DFW+20, FWvA+21, FKN21, FSH+23, GGLH+22, HJWP24, HPB+21, HPF+23, HMB+20, HS21, HLS+22, JvKvT+20, JHBB22, KRB+21, KdED+20, KDW+23, KWB21, LVDM22, LMC+21, Lem20, LHS+21, LN21, LZM+21, LNC+23, MCH+22, MSD23, MAD+22, MRD+21, MIR+22, MPW+23, MAP+22, NB20, PNT+21, QRWT+22, RvHF+20, RTM+20, RTM+21, RRHS+21, RHM+21, SPHH22, SBB20, SO23, SLZ+21b, STAK22, VJH+22, WOMWR20, XMP+21, ZSF+23, vHHP+22].

Earlier [PW22]. **early**

[KPG+23, MDWT+22, OFM+21, SBM+21, VCT+23, vdPAV+20]. **east** [LHS+20, MLL+21]. **Eastern** [HABL+21, AHCJ+20, CDH+21, CJB+21, DNA+22, ESW+21, EBK+20, RCMA21, SORGC+21, WRS+22, BYB+23, EBK+20, ETMD23, FSS+23, LMM+21, MDWT+22, SMW+21]. **eastward** [DAB+21]. **eastward-flowing** [DAB+21]. **Eavesdropping** [THS21]. **Ebullition** [LSW+20b, LHD+20, PSK21, RWT+21]. **ebullitive** [KSH+23]. **echosounder** [PSY+22]. **Ecklonia** [BRHS20, BS20]. **eco** [RNW+23]. **eco-surroundings** [RNW+23]. **Ecological** [BLS+22, DTPV21, MKBSK19, ACE+22, ADLW22, ASL+24, FDF+21, HLH+23, KAC+23, LZM+21, MWV22, SBM+21, SOO+21, TJW+22, VMT+24, VMP+21]. **ecologically** [LTJ+20]. **ecologists** [MLB+21]. **ecology** [CDH+21, GM22, GMMW20, HDK+21, HMB+20, LLMM+23, LGQ+21, MSL21, MBC+21, PMRG20, SHPW22, ZR23]. **Ecophysiological** [GK22]. **ecophysiology** [LES+21]. **Ecosystem** [MA21, SWB+20, VCBB20, BD22, BJS+23b, BLS20, BRM+23, DLDF21, DMC+22, DFJ22, GGS+21, GMS21, HFL+20, HBY+22, HHK+22, KVKS22, KDV+23, LBBM21, LDG+21, LGQ+21, LSDA21, MHD+22, MHL+20, MGWS23, MSG+22, MIR+22, NTJ+20, OBB+20, PHB+22, PFB+22, PSNS22, PHM21, RVvB+23, RGP+22, SML21b, TKM+22, TJW+22, VJH+22, WWB+20, WRC+21, WMTJW22]. **ecosystem-metabolism** [PHB+22]. **ecosystems** [BSB+20, BR22, BGM+21, BFW+22, CBPNA22, CML23, CLW+21, CCDM21, FMT+20, GF21, GSD+23, HGMK22, HGH+21, JLMW21, KHK+22, SHS+22, SPHH22, SOT+20]. **ecotone** [AGC+21]. **ecotypes** [TRS+20]. **ectotherm** [MLP21b]. **eddies** [ACE+22, EWF22, LXC+21a, SSA+23, ZBNH+21]. **Eddy** [GPDA+20, BBMD20, VLP+21, WCC20]. **edge** [BST+22]. **edges** [CZH+21]. **edible** [FJP+21]. **Editorial** [Ham22, Kir20]. **Edward** [SBV+21]. **Eelgrass** [MIR+22, ARB+22, GGS+21, LDGB+23, MDBI20, SIP21]. **Effect** [EJRRC+23, HLKD23, SYT+21, YSHS22, GMS21, LSL+20, MXL+21, MVBG20]. **effective** [KAP+20]. **Effects** [CGR22, DWR+23, EDC24, HANW21, HSBC20, HSP+20, LLC+23, LLC21, MCH+21, MOW+22, OSR20, PBGGRB21, SSL22, SSWM20, ZLIP20, AFK+22, BYS+23, BS20, BLS20, BPG+22, CGC+21, FMT+20, FPB+23, GGLH+22, GLN+21, GFG+22, JHSG+24, JHBB22, KSR20, LRdGFP23, LTLH22, MVP+20, MLC+21, MO23, MDWT+22, MSB+20, MGC+20, QRWT+22, STB22, SSEO21, SCM22, VKB+22, VWR+23, WRS+22, YG23, ZTT23, dJGCS23, BZK+22]. **efficiency** [ALH+21, BHR+23, FDHS20, GZX+22, HPCH24, SGSF20]. **Efficient** [KMV+20, SWZ+23]. **effort** [DFJ22]. **egg** [KSI24]. **eggs** [OLR+23, ZLG+23]. **eight** [vHHP+22]. **ejection** [WSB+20]. **Electrona** [DAB+21]. **electrothrix** [MLK+22]. **Element** [HTSG21]. **Elemental** [EHC+22, LLMM+23, HMBB21, MV22a, MV22b, STB22, ZLS+21]. **Elements** [GGHBS+20]. **Elevated** [DCK+22, QBJG21, RVBP23, BMH+23, BLS20, CGR22, DWR+23, EDC24, GPB+20, MDWT+22, SIP21, VKB+22, WRHR22, YG23]. **elevation** [CM20a, DGTW21, SLHL+22, VMT+24, ZQB+21]. **Elucidating** [SCC+21].

embayment [FWDY20, NSK+21]. **emerge** [QMG21]. **emergence** [SDS+23]. **emergent** [HZZ+20, VJS+20]. **Emerging** [SKB+22, LTH21]. **Emiliania** [KTWGT20, MLS+21, ZLS+21]. **emission** [BSIdG23, GKW+20, GKW+21, ZSK+21]. **emissions** [AKT+21, CMCC24, HABL+21, KSH+23, LWC+24, LPA+23, MGI+22, PLB+21, SPBK21, YOXC23]. **empirical** [GMI+21, WRMP22]. **enclosed** [XYL+23]. **encode** [RCS+20]. **encroaching** [SLJ+22]. **encrustations** [SKA+24]. **end** [CHS+20]. **endemic** [HBY+22]. **Endogenous** [CCC+21]. **endorheic** [BGM+22, YJB+20]. **endosymbionts** [RCH+20]. **energetic** [CGGC+21]. **Energy** [BMA+20, ALH+21, CBT+21, EST+24, MHL+20, SGSF20, SDB+23, VKGW22]. **Energy-based** [BMA+20]. **engineer** [NTJ+20]. **engineered** [YJB+20]. **engineers** [MIR+22]. **England** [HHMH22]. **enhance** [BOC+21]. **Enhanced** [HBR+22, AMO20, KFHS24, LWC+24, MDIY23, ZPK+22]. **enhances** [FWT+20, QBJG21]. **enriched** [KWS+21, ZLW+21a]. **enrichment** [BAG+24, BS20, BGM+21, BRM+23, CAV+22, DKPS23, GGS+21, HHMH22, LZM+21, LLTT+24, RLL+21, YvdHC+20]. **entrained** [SYMF21]. **entropy** [CGGC+21]. **environment** [AWB+23, CPB+21, GGHBS+20, KWS+21, LVZ21, OYM+20, RBD22, TRS+20]. **Environmental** [KOR+20, KAC+23, LTJ+20, OGD20, PGEB22, SORGC+21, CVF+20, GGLH+22, GCW+23, HZC+24, IYW+22, JHBB22, MY23, MDDL22, PSNG+21, PCC+23, SSL22, SLHL+22, WBB+21, WRC+21, WCH+21, ZLS+21, vLWV+20]. **environments** [AMC21, MP23, RCS+20, WLSD21]. **enzymatic** [BHSG+20, BSGA21]. **enzymes** [BSGA21]. **Eodiaptomus** [LDB+21]. **epibiont** [RBL+20]. **epibionts** [JHS+21]. **epifaunal** [CCFF21]. **epilimnetic** [HSB+20]. **episodic** [CJB+21, PFH21, RPKC22, YAE+23]. **equatorial** [BCA+20]. **Erie** [AJMG21, CWF+22, LEK+22, MDP+23]. **erodibility** [HLPT20]. **eroding** [WPO+22]. **erosion** [BBCA+21, MHMML+22, SYT+21, WTvD+22, YLT+20]. **Erratum** [Ano21d]. **essential** [BMR+21a, VCT+23, VST+22]. **established** [PSNS22]. **establishment** [SH22, ZZL+21, vHHP+22]. **estimate** [LvBS+22]. **estimated** [GLN+21, RST+21]. **Estimates** [Wei24, DHNH22, KSI24, MGI+22, WLSD21]. **estimating** [LAB+22, PMJ+21]. **estimation** [VGSB23]. **estuaries** [ACW+22, DKPS23, EFC+23, HTLP23, IOS24, MLP+21a, MHdS+21, RTM+20, RS21, SDL22, YMSH20]. **Estuarine** [GFG+22, AVS+22, CEW+21, HTLP23, LSC+21, PKKS20, SMNT22, SSEO21, SLZ+21a]. **Estuary** [LVHK20, BPIBN20, BPL22, BKMY21, FR23, HBS+22, HSV22, KBSA21, KDZ+24, MURK20, MK21, PGB24, RTM+21, RVvB+23, TBH+22, WAPC20, WLK+21, YOXC23, BM22, BMB22, YGD+21]. **ethylene** [SBW+20]. **eukaryote** [XKP+22]. **eukaryotes** [BMLV24, MK20]. **Eukaryotic** [DLL20, PATL+23, SRM23]. **Euphotic** [SWB+20]. **European** [DMM+21, ESW+21, MMKWZ22, ZSK+21]. **eutrophic** [AWGV20, BBH+20, BHSL21, CGC+21, DHNH22, HMB+22, JLW+23, KRC23, KHHZ20,

MLC+21, TBH+22, THVJ23, WHAR+20, WLK+21, vGDH+21].
Eutrophication [LWS+22, XDQ+22, ZZT+21, BAG+24, DNB+20, GÖA+23, LHS+21, MAP+22, SVC+22, SGA+22, WHAR+20, ZLU+20]. **eutrophied** [QRWT+22]. **Evaluating** [CFC+20, GWS+21, SHBA22]. **evaluation** [ASH+20, IKN+21]. **evaporation** [FBK+22, VLP+21].
evaporation-to-inflow [FBK+22]. **evasion** [SDB+23]. **Evasive** [JSW+21].
event [AFH+22, CBC+22]. **events**
[GRJ+22, KdED+20, MAG+22, TUR+20, WSB+20, WTvD+22, dCLO+23].
Evidence [DKPS23, HGF+21, KPG+23, MSGW+20, ZLL+21, BVM+20, CSH21, CBS+21, DP22, PPB+21]. **evolution**
[BST+22, LBJS22, OBL21, ZJ22a]. **evolutionary**
[HLH+23, MTB+21, VGvdB+21, ZJ22b]. **Evolving** [GM22, ZZCD23].
exacerbates [GÖA+23, RLL+21]. **examination** [WZCK20]. **examined** [FHMK20]. **Examining** [ACE+22, AFM23, SPKM22, SMKS22]. **exceeds** [SDB+23]. **exceptionally** [JLW+23]. **excess** [TMM+20]. **exchange** [CSC+21, MBA+21, NvBE+21, SMNT22, TEK+21]. **exchange-driven** [TEK+21]. **exchangeable** [WXK+22]. **exchanges** [TBH+22]. **exhibit** [TBH+22]. **exhibits** [AFH+21]. **existence** [MCYR20]. **exotic** [WHZ+21].
expansion [CZH+21, GAS+21, KSH+23, NB23, QMG21]. **expansions** [CJB+21]. **experiment**
[BPG+22, GMNG+24, KRM+20, MKBSK19, OJUN23, SGL+23, SSM+22a].
Experimental
[BRM+23, DP22, CBPNA22, HKM+20, KTA+21, KFHS24, SVC+22, ZJ22a].
experiments [BDE+22, BBA+23]. **explain**
[BVGQN22, DMM+21, MTP+23]. **explained** [vLWV+20]. **explaining** [LPMBR23]. **Exploring** [HM20]. **export** [BCWS23, BRCO21, DBM+23, GLM+23, KBvdD+20, MMG+21, RMW+21, SDL22, SPKM22, TEK+21, WSZ22a, WSZ22b, YAP+22, YXC+22, ZBNH+21, ZYZ+21]. **exports** [SOT+20]. **exposed** [BOC+21, DGTW21]. **Exposure**
[ABC+21, KDV+23, BMH+23, CTM+21, DWR+23, EDC24, GEHD20, GPB+20, GK22, MDWT+22, MIR+22, SSL22, ZFQ+20, dSNIB22].
exposures [EFP+21]. **Expression** [LOW+20, BMH+23, LTLH22].
extension [GR24]. **extent** [BKMY21, DAD+21, SMW+21, ZZCD23].
external [XMP+21]. **extinction** [GRJ20]. **extracted** [BAD+21].
extrapallial [CGR22]. **Extratropical** [BJS+23b]. **Extreme**
[BTK+21, SRN+21, TKM+22, TUR+20]. **extremes** [KDV+23, MK21].
extremities [TPTS23]. **exudates** [BMG+23]. **exudation** [RRAO+21].

facilitate [GPDA+20]. **facilitated** [MBLA+21]. **facilitates**
[CJB+21, MCYR20]. **facilitating** [MBB+20]. **facility** [CLGH23]. **Factors**
[JREVB21, SOSN23, SBB+21, BHG+24, CESS21, JSPS24, KBL+20, KPNJ23, LGF22, PCC+23]. **failed** [SRV+20]. **far** [BTK+21]. **fast** [KBB+22].
fat [MN20]. **fate** [CDW+24, PGB24, QBJG21, SPKM22, SGK+21, ZCZ+23].
fatty [EST+24, KLG+23, VST+22]. **fauna** [BDMGH+23]. **favorable**

[SSA+23]. **Fe** [RvHF+20]. **Fear** [PVSP+22]. **features** [ZZL+21]. **featuring** [THL+21]. **February** [CMT+20]. **Fecal** [SSM21b, DMS+21, LG21, MLS+21]. **feedback** [MBLA+21]. **feedbacks** [MHD+22]. **feeding** [CP22, CCG+22, CUS21, FRRG+21, FLW+21, KGG+23, RTK23, SYMF21, WSB+20, WSZ22a, WSZ22b]. **feeding-current** [SYMF21]. **female** [KSI24]. **fermentation** [NKH+23]. **ferruginous** [TZF+22]. **fertilization** [BPG+22, HSBC20]. **few** [OMM21]. **field** [APB+23, BDE+22, GLN+20, SVBT20, WO21]. **fields** [HGH+21]. **filamentous** [FWT+20]. **filter** [AMO20, THVJ23]. **final** [BFCC+21]. **Fine** [DFW+20, ASL+24, GBC+20, GSD+23, GLB+22, HCS+21, WO21]. **fine-scale** [ASL+24, GBC+20, GSD+23, GLB+22, WO21]. **fingerprints** [SRM23]. **finmarchicus** [CBS+21, PPB+21]. **Fiona** [BJS+23b]. **first** [SRL+20]. **fish** [APB+23, BMA+20, BMS+22, CESS21, CLT+22, CPBJR+21, DWR+23, EST+24, GCMJ23, GPDA+20, HXL+21, KCT23, LDB+20, OLR+23, SBD+21, SSA+23]. **fish-based** [SBD+21]. **fisher** [RMH+22]. **fisheries** [FGP22]. **fishes** [BZSF23, LDG+21, NDP+24, WRMP22, WSZ22a, WSZ22b]. **fishing** [DFJ22]. **fitness** [TVB+21]. **five** [BMB22]. **fixation** [BMCS23, HBS+22, LLL+23, LTH21, LTLH22, SCC+21, SMW+21, SBL+21, hTRH20, YSHS23, ZLL+21]. **fixed** [FRRG+21]. **fixers** [AAC+21]. **fixing** [FBP20, HMB+22, YG23, ZFQ+20]. **fjord** [BHSG+20, BJK+21, BOC+21, HJWP24, KHB22, vdPMF+21]. **fjords** [HZM+21, JLMW21]. **flagellate** [AH20]. **flagellates** [ELS23, LOW+20, OMM21, vdPAV+20]. **flat** [BD22, SYT+21]. **flats** [ZvBZ+20]. **Flexible** [VKGW22, ZLN21]. **floating** [RHM+21, SYMF21, VJS+20]. **floating-leaved** [VJS+20]. **floe** [SBM+21]. **flood** [RVS+22]. **flooding** [TNK+22, TUR+20]. **floodplain** [LTH21, MGWS23, dMKB+20]. **floodplains** [MKP+23]. **Florenciella** [LES+21]. **Florida** [CLGH23, HSD+20, OLFH21]. **Flow** [ZLIP20, ZN20, BMR+21b, FHR+21, FHMK20, GLN+21, GBHF21, LDG+21, MDBI20, RBAC+20, SVBT20, VKGW22, WSB+20]. **Flow-induced** [ZN20]. **flowing** [DAB+21]. **flowpaths** [GEHD20]. **flows** [NH22]. **Fluctuating** [WBB+21, GK22, SPBK21, ZXZ+23]. **fluctuation** [BWSW24]. **fluctuations** [JHS+21, WRMP22]. **Fluid** [CUS21, CGR22, STAK22]. **flume** [WTvD+22]. **fluorescence** [GF21, LLBC20, RKBT+23]. **fluorescence-based** [LLBC20]. **Fluorescent** [BMG+23]. **flushing** [XWL+21]. **fluvial** [PSE+20, PGB24, RBAC+20, YLT+20]. **flux** [CCB+20, CHS+20, CBN21, DHNH22, DGTW21, FUUG+21, HCB+22, HZM+21, IKN+21, MGWS23, NB20, SBD+21, SMNT22, VLP+21, WF22, WDS+23, WSZ22a, WSZ22b, YMSH20]. **fluxes** [ACW+22, GBB+21, LXC+21a, MCYR20, NSK+21, RST+21, SWK+23]. **focusing** [SGA+22]. **following** [CLGH23, CGD22, CBC+22, HFL+20, KHHZ20, RWS+22, SSS+20, TKM+22]. **Food** [BHR+23, BOC+21, Gil22, MV22a, MV22b, PSNS22, RBL+20,

TSX+23, WRC+21, APB+23, BR22, CDH+21, CESS21, CGL+21, EG20, FSM+21, FWT+20, FLW+21, GGS+21, IFU+20, JSPS24, KPL+20, KLG+23, LTQS+21, LCM+22, LCHB22, LEB21, MMF+21, MLC+21, MSB+20, SWC+23, TCS21, VCT+23, WHZ+21, YAP+22]. **foraging** [CFC+20, CSB22, NCC+21, STAK22]. **foraminiferal** [XLN21]. **forcing** [CMB+21, MK21, SRN+21, ZZHZ23]. **forcings** [YJB+20]. **fore** [EDC24]. **forecast** [SJH20]. **forecasting** [MO23, THS21]. **forest** [BRM+23, PBP+23, TCP+22, WLSD21]. **forested** [AFH+22]. **forests** [CESS21, FW21, SOO+21, SMKS22]. **form** [VWR+23]. **formation** [BC20, CZH+21, GAS+21, GBC+20, HVMS+21, PLLM21, YGD+21, ZSZ+21]. **forming** [BMH+23, KOR+20]. **forms** [KRC23, SML21b, ZvBZ+20]. **Forward** [ZJ22a]. **foundations** [BV21]. **four** [BMR+21a, SVMM+22]. **fraction** [BCL+22]. **fractionated** [KSF+23, KSR20, LXC+21b]. **fractionation** [HRK+22, WOK+21, WMRL22]. **fractionations** [ORRMD+21]. **fractions** [LHMR23, LMS+21]. **Fragilariopsis** [MLG+20, MGC+20]. **framework** [BBCA+21, BFW+22, MLB+21, MO23, SHPW22]. **Francisco** [BM22, BMB22]. **free** [AHF+22, KHSP21, SYMF21, WPY+20]. **free-floating** [SYMF21]. **free-living** [WPY+20]. **frequency** [CZK+23, DAD+21, FR23, LGI+20, MK21, MKD22, SWK+23, SSM+22a, VVMJ23, WDG+21]. **frequent** [BRB+22]. **Fresh** [IÁSNCR21]. **Freshening** [WM20]. **Freshwater** [MLP+21a, AMC21, BHSG+20, BWV+20, BR22, BGM+21, BOC+21, BLS20, CML23, CKCB+23, DWR+23, HSBC20, HP20, KWS+21, LTQS+21, LABM20, MSGW+20, MWHR+22, PGEB22, RVBP23, SBH23, VJS+20, WNHY21, XTJW21, vdPMF+21]. **freshwaters** [BYS+23, CPB+21]. **fringed** [KDZ+24]. **Front** [TKA21, SCC+21, YLT+20]. **Frontal** [SSA+23]. **frustules** [XSZ+21]. **fucans** [HVMS+21]. **fuels** [CBF+23]. **Fukushima** [TNK+22]. **Fukushima-derived** [TNK+22]. **Full** [SO23, OLR+23, RVS+22]. **Full-year** [SO23]. **function** [BJG+22, HTSG21, LBBM21, MMF+21, MKM+23, OYM+20, THVJ23, VWR+23]. **Functional** [KL22, MLB+21, MACC24, BWB+22, CSB22, DTPV21, FAB+20, HLH+23, HPCH24, MKP+23, MVBG20, OAM+22, PGEB22, RvHF+20, RLL+21, SPR22, WOT+23, WCZ+20]. **functionally** [MCH+22]. **functioning** [GMS21, PSNS22]. **functions** [XYL+23]. **Fundamental** [KAP+20]. **fungal** [FWT+20, XYL+23]. **fungi** [KSN+21]. **fungicides** [BZK+22]. **Future** [RGW+23, BFW+22, EWGP22, FM21, GM22, LLSQ24, NB23, RBD22, VMT+20, WHAR+20]. **Fuxian** [XTL+20].

G [MK20]. **gamma** [GCEM+23]. **gas** [BSIdG23, GPK+21, HABL+21, KSH+23, MBA+21, MGI+22, PLB+21, SMNT22]. **gegenbauri** [FLW+21]. **gelatinous** [CDH+21]. **gene** [BMH+23, DLL20, MBD+22, MBD+23, WCZ+20, WNHY21, ZR23]. **generalists** [MZW+21]. **genes** [BCA+20, FAB+20, LOW+20, MVBG20]. **Geneva** [Lem20, SLZ+21b]. **genomes** [RCS+20]. **Genomic** [MUGL20].

gentoo [NCC+21]. **Geochemical** [SGA+22, TJW+22]. **Geographic** [MRH+23, LWH+23, LCS+20]. **geologic** [CEE+22]. **geomorphic** [LGF22]. **geomorphology** [BMR+21b]. **George** [THT+20]. **germination** [ZZL+21]. **germination-features** [ZZL+21]. **giant** [SBB+21, XKP+22]. **gigas** [PMRG20]. **Giling** [Ano21a]. **Glacial** [MCS+23, NB23]. **glacialis** [CBS+21, PPB+21]. **Glacier** [FBJ+23, BJK+21]. **glacierized** [BSF+21]. **Glaciers** [DBFC24, VMT+24]. **Global** [GGHBS+20, LG21, ABC+21, BDE+22, CLC+20, CLC+21, CBC+22, DCJB22, JHS+21, KDV+23, OYM+20, OJUN23, PJRV23, RTM+20]. **globally** [GSD+23, HGF+21]. **Glomalin** [PYY+20, ZJW+22]. **Glomalin-related** [PYY+20]. **glycerol** [ZLL+24]. **glycine** [MAD+22]. **Going** [FNB+23]. **gold** [LCHB22]. **Gone** [MACC24]. **govern** [BD22, GLAHH+23]. **gradient** [ADLW22, AKT+21, BWV+20, BRHS20, CÖL+20, CBHB21, HHMH22, IMB+22, IYW+22, KAP+20, LSC+21, MLP+21a, PMF+21, RCMA21, SWOR20, SO23, SGSD+22, TKW+23, VST+22]. **gradients** [BSGA21, GLAHH+23, LAFV23, MTB+21, SORGC+21, TKA21, TKS+20]. **gravel** [ARBvS+21]. **gravel-bed** [ARBvS+21]. **grazer** [GSD+23]. **grazers** [BWB+22, SDSGR21, ZJ22b]. **Grazing** [HBY+22, DvOH+20, GBMKJ22, JHBB22, LES+21, MMG+21, SDSGR21, ST22, XSZ+21, ZSZ+21]. **Great** [GSP+23, MFM+21, SWOR20, ETG21, GBO+20, MBB+20, VCBB20, YJB+20]. **green** [JHBB22]. **greenhouse** [BSIdG23, HABL+21, KSH+23, MGI+22, PLB+21]. **Greening** [FSM+21]. **Greenland** [BHSG+20, MN20, XTJW21]. **gregaria** [CUS21]. **gross** [SSM+22a]. **Groundwater** [KPM+20, BKMY21, FKN21, HGH+21, IÁSNCR21, KRM+20, NSK+21, RTM+21, RST+21, WLK+21]. **Groundwater-controlled** [KPM+20]. **groundwater-dependent** [HGH+21]. **group** [BBL+21, EHC+22, SSB+22]. **groups** [BDL+21, LTQS+21, LLBC20, SRM23]. **Growth** [JHS+21, ZLS+21, BS20, BK20, CFC+20, DWR+23, FBJ+23, FPB+23, HSP+20, JHBB22, KPG+23, KFHS24, LSL+20, LDB+21, LSDA21, MVP+20, MDWT+22, MMLPRHCG22, PKV20, QBJG21, RGW+23, SMD21, YSHS22, ZWM22]. **Growth-dependent** [ZLS+21]. **guidelines** [LCMG+20]. **guilds** [RBAC+20, WSZ22b, WSZ22a]. **Gulf** [DLDF21, DP22, KPS21, MLP+21a, PMRG20, SMP21, WSZ22a, WSZ22b, YMSH20]. **guttatus** [BFCC+21]. **Gyre** [HYPG+22, RPKC22, ZBNH+21].

H [LTLH22, hTRH20]. **Habitat** [BBCA+21, WHZ+21, CYZZ+20, CBD+23, DFJ22, GRJ20, KHCG+22, MO23, PSY+22, SSA+23, VKGW22, YAH+21]. **Habitat-dependent** [WHZ+21]. **Habitat-specific** [BBCA+21]. **habitats** [CLW+21, CEW+21, GPDA+20, HLPT20, MHL+20, RD23, VCT+23, WHAR+20]. **hadal** [FUUG+21]. **hadopelagic** [LZD+23]. **Halisarca** [LMP+20]. **halocline** [CLD+23]. **handling** [RTK23]. **haplotypes** [LGI+20]. **haptophytes** [THT+20]. **hard** [MKBSK19]. **hard-substrate** [MKBSK19].

Harmful [BK20, DTPV21, HM20, HMB+22, KAC+23, KRC23, LZG21, PHM21, SKB+22, THS21]. **Harvey** [KPS21]. **Hatteras** [SCC+21]. **HAUSGARTEN** [MKBSK19]. **Hawaiian** [SWS+22, BST+22, HBY+22, PMJ+21]. **Headward** [WPO+22]. **Headward-eroding** [WPO+22]. **headwater** [BCL+22, RWT+21, RBSB22]. **Headwaters** [GBHF21]. **healthy** [YvdHC+20]. **heat** [EJRRC+23, LRdGFP23, SSL22, SRV+20, VGvdB+21]. **heated** [DKW+21, DMCW23]. **heatwave** [DMM+21, JHSG+24, ZZHZ23]. **heatwaves** [GBW24, ZSF+23]. **heel** [ZvBZ+20]. **hemisphere** [CZK+23]. **herbicides** [YML+21]. **herbivory** [FWT+20, JREVB21, LCZ+21]. **heterogeneity** [CLW+21, GCW+23, HMB+20, RWT+21, SCC+21]. **Heterogeneous** [BSGA21, MOW+22]. **Heterotrophic** [LTH21, RHS+22, AH20, BMG+23, DWW+21, ELS23, GAS+23, LOW+20, LABM20, OMM21, PGN+21, PMJ+21, SWC+23, STAK22, ZLW+21a]. **Hg** [CBB+22]. **High** [CML23, KRB+21, KSH+23, LZD+23, MDIY23, MKD22, PSE+20, PHB+22, SWK+23, VVMJ23, WDG+21, ZZO+21, AAC+21, BCWS23, BOC+21, BBGM20, CGGC+21, CM20a, CZK+23, CGB+21, DGTW21, DCF+22, DAD+21, EFP+21, JLW+23, JSB+20, JLMW21, KCT23, KMV+20, KTA+21, LDG+21, MCYR20, MHVC22, RRAO+21, SIP21, SSM+22a, SEG21, SLHL+22, VMT+24, WZCK20, ZQB+21, vdPMF+21, PLB+21, RCS+20]. **high-altitude** [DCF+22]. **high-Arctic** [BOC+21]. **high-elevation** [CM20a, DGTW21, SLHL+22, VMT+24, ZQB+21]. **High-frequency** [MKD22, SWK+23, VVMJ23, WDG+21, CZK+23, DAD+21, SSM+22a]. **high-latitude** [JSB+20, KCT23, LDG+21, SLHL+22]. **high-mountain** [CGGC+21, MHVC22]. **High-resolution** [PHB+22, ZZO+21, BCWS23]. **high-throughput** [BBGM20, WZCK20]. **Higher** [GCEM+23, MRT+24, TION23, CLC+22]. **Highest** [KTA+21]. **Highly** [ZLW+21a, EFC+23, LDG+21, RBD22]. **historic** [MDDL22]. **Historical** [GGLH+22, BAG+24]. **history** [HXL+21, SSL22]. **holobionts** [MSD23]. **Holocene** [MPW+23]. **holomictic** [XTL+20]. **Homeostasis** [DBB+21]. **Homeostatic** [HP20]. **host** [FPBG+22, KSN+21, LEB21, TVB+21]. **host-algae** [FPBG+22]. **hosted** [BVL+23]. **hosts** [CML23]. **Hot** [ONH+20]. **hotspot** [KPNJ23, SCC+21]. **hotspots** [CFC+20, EFC+23]. **Hudson** [SMNT22]. **Human** [ZZWL22, JLW+23, LVZ21, NDP+24, ZSD+20, vHLV+20]. **human-altered** [LVZ21]. **human-dominated** [NDP+24]. **Humboldt** [PMRG20]. **humic** [EFC+23]. **Hurricane** [KPS21]. **huxleyi** [KTWGT20, MLS+21, ZLS+21]. **hybridization** [CSH21, CBS+21, PPB+21]. **Hydraulic** [ARBvS+21]. **hydroclimate** [BJG+22]. **Hydrodynamic** [GLB+22, GCMJ23, RPA+22, SMF20, SYMF21]. **hydrodynamics** [SCM22, TCP+22]. **hydrogen** [SGK+21]. **hydrogenase** [LTLH22]. **Hydrologic** [JSB+20, PCJ+21, YMSH20, BMR+21b, DPB+23, YJB+20]. **hydrologically** [BCL+22, DBFC24, FBRG23]. **Hydrology**

[DBM+23, ESW+21, BCTH20, RSLW23, RVS+22, ZYZ+21]. **hydromedusa** [CUS21]. **hydroperiod** [DGTW21]. **hydrostatic** [SEG21]. **hydrothermal** [ASL+24, LBG+22, dCLO+23]. **hyper** [AWGV20]. **hyper-eutrophic** [AWGV20]. **hyperborea** [SOO+21]. **hypereutrophic** [KTA+21]. **hypersaline** [MVBG20, SSM+21a]. **Hypolimnetic** [SSWM20, SDS+23]. **hypolimnia** [LM24]. **hypolimnion** [Lem20, SPLJA+20]. **hyporheic** [BZK+22]. **hypothesis** [LD22, SB22, WRA+23, ZLL+21, CFC+20]. **Hypoxia** [CBHB21, AAB+22, LHS+21, MKL+24, PMD+23, SLZ+21a, YGD+21, ZLU+20, vHLV+20]. **hypoxia-driven** [MKL+24]. **hypoxic** [LM24, MLK+22, QRWT+22, RWS+22, SCB+20]. **hysteresis** [MAP+22].

ice [AHF+22, CCA+21, CVF+20, HS21, JHvL+23, KPG+23, KFHS24, LAFV23, LDS+20, LXC+21b, MLG+20, OBL20, PMD+23, PW22, PGN+21, PFB+22, SSM+21a, SBM+21, SMCS23, SGL+23, SJJ+21, TMS+21, VCT+23, VMP+21, WOMWR20, WRHR22, YWLY20, ZXE+23]. **ice-associated** [KFHS24, WRHR22]. **ice-covered** [CVF+20, LDS+20, LXC+21b, PMD+23, SSM+21a, SMCS23]. **ice-floe** [SBM+21]. **ice-free** [AHF+22]. **ice-retreat** [SJJ+21]. **Identification** [AMC21]. **identifies** [OGD20, SLHL+22]. **Identifying** [vHHP+22]. **III** [KLP23]. **illuminate** [BBGM20]. **illuminates** [BBM21]. **illuminations** [GTKW+20]. **image** [OAM+22]. **imagery** [SGM+22]. **images** [VMP+21]. **imaging** [BO20, BBGM20, FHMK20, GSD+23]. **imbalances** [KTA+21, MSJ21]. **immediate** [SPKM22]. **Impact** [LBG+22, SMG+22, SBL+21, YG23, ZSD+20, JLW+23, KWS+21, LG21, MIR+22, RLL+21, RWT+21, YOXC23, ZN20]. **impacted** [LSCL21]. **impactful** [CCG+22]. **Impacts** [BJS+23b, OBB+20, BSB+20, BKC20, CLW+21, HM20, LZM+21, PCN22, PVSP+22, WHAR+20, WWB+20, WBB+21, WSB+20, WHZ+21, WCC20, YML+21, ZZWL22, ONH+20, SRN+21]. **impair** [BDMGH+23]. **impairs** [MGP+21]. **Implication** [JYA21]. **Implications** [BH21, FBJ+23, FUUG+21, GBB+21, GAS+23, MSJ21, PYY+20, THT+20, XMP+21, YWLY20, YAP+22, BPL22, EAF+22, FNB+23, Gil22, GM22, KDW+23, QBJG21, ZXE+23]. **Importance** [BBH+20, MGI+22, BCTH20, BBM21, FBR+23, GCW+23, HS21, LLBC20, MHG+23, TION23, TKH21, TRS+20, ZZT+21]. **important** [GKW+20, GKW+21, MCS+23, MKM+23, RLL+21]. **improve** [THS21]. **improvement** [HSB+20]. **In-lake** [SEK20]. **including** [ZN20]. **incorporation** [FSH+23, GE22]. **increase** [DKW+21, KLO23, ZZCD23]. **Increased** [BJK+21, CLC+22, BAG+24, KFHS24, MRT+24, YSHS22]. **increases** [LMS23, VKGW22, ZLL+21, ZZT+21]. **Increasing** [ALH+21, CT23, FBV23, OJUN23, SBL+21]. **incubation** [BBA+23]. **incubations** [TION23]. **independent** [JSW+21]. **Indian** [BGAD+22, BLRM24, GRJ+22, LGI+20]. **indicate** [CTF+21, HFL+20, LDG+21]. **indicates** [OJUN23]. **indicator** [MDP+23]. **indicators** [WHAR+20]. **indices** [LEK+22]. **indirect** [MEQBV20, MSB+20].

Indo [HOB+22, YAH+21]. **Indo-Pacific** [HOB+22]. **induce** [AH20, MRT+24]. **induced** [DAD+21, GMNG+24, IYW+22, LLC+23, LXC+21a, SYMF21, SYT+21, SCM22, SBW21, TNK+22, TSX+23, WTvD+22, ZN20, ZSZ+21]. **induces** [PW22]. **infaunal** [LNR+20]. **Infection** [FWT+20]. **infer** [RBD22]. **inferred** [BFCC+21, CZK+23, MNMJ+21]. **inflow** [BM22, CHS+20, FBK+22, LWC+24, MLP+21a]. **inflows** [PBGGRB21]. **Influence** [ABS+21, LL23, TCP+22, dCLO+23, AVJ+24, BJS23a, CZS+22, DLL20, HMM+22, HZC+24, HNS21, JSPS24, KHK+22, KLP23, KPNJ23, MGGRR+21, RMH+22, SML21b, SMKS22, VMT+24, YSHS23, ZYZ+21]. **influenced** [CESS21, FXD+22, HZM+21, LSC+21, REF+21]. **influences** [BBCA+21, CGD22, DBFC24, FBJ+23, OYM+20]. **influencing** [EBK+20, SBB+21]. **influx** [BHSL21]. **inform** [ASH+20]. **Information** [Ano20b, Ano20c, Ano20d, Ano20e, Ano20f, Ano20g, Ano20h, Ano20i, Ano20j, Ano20k, Ano20l, Ano20m, Ano20n, Ano20o, Ano20p, Ano20q, Ano20r, Ano20s, Ano20t, Ano20u, Ano20v, Ano20w, Ano20x, Ano20y, Ano20-38, Ano20z, Ano20-39, Ano20-27, Ano20-40, Ano20-28, Ano20-41, Ano20-29, Ano20-42, Ano20-30, Ano20-43, Ano20-31, Ano20-44, Ano20-32, Ano20-45, Ano20-33, Ano20-34, Ano20-46, Ano20-35, Ano20-47, Ano20-36, Ano20-48, Ano20-37, Ano20-49, Ano20-50, Ano20-51, Ano20-52, Ano20-53, Ano20-54, Ano20-55, Ano20-56, Ano20-57, Ano20-58, Ano20-59, Ano20-60, Ano20-61, Ano21e, Ano21f, Ano21g, Ano21h, Ano21i, Ano21j, Ano21k, Ano21l, Ano21m, Ano21n, Ano21o, Ano21-53, Ano21p, Ano21q, Ano21-29, Ano21r, Ano21-30, Ano21s, Ano21-31, Ano21t, Ano21-32, Ano21u, Ano21-33, Ano21v]. **Information** [Ano21-34, Ano21w, Ano21-35, Ano21x, Ano21-36, Ano21y, Ano21-37, Ano21z, Ano21-38, Ano21-27, Ano21-39, Ano21-54, Ano21-55, Ano21-28, Ano21-40, Ano21-41, Ano21-42, Ano21-43, Ano21-44, Ano21-45, Ano21-46, Ano21-47, Ano21-48, Ano21-49, Ano21-50, Ano21-51, Ano21-56, Ano21-52, Ano22e, Ano22f, Ano22g, Ano22h, Ano22i, Ano22j, Ano22k, Ano22l, Ano22m, Ano22n, Ano22o, Ano22p, Ano22a, Ano22q, Ano22r, Ano22-31, Ano22-30, Ano22-43, Ano22s, Ano22-32, Ano22t, Ano22-33, Ano22u, Ano22-34, Ano22v, Ano22-35, Ano22w, Ano22-36, Ano22x, Ano22-37, Ano22y, Ano22-38, Ano22z, Ano22-39, Ano22-27, Ano22-40, Ano22-28, Ano22-41, Ano22-29, Ano22-42, Ano22b, Ano22c, Ano22-44, Ano22-45, Ano22-46, Ano22-47, Ano22-48, Ano22-49, Ano22-50, Ano22-51, Ano22-52, Ano22-53, Ano22-54, Ano22-55, Ano22d, Ano22-56]. **Information** [Ano23a, Ano23b, Ano23c, Ano23d, Ano23e, Ano23f, Ano23g, Ano23h, Ano23i, Ano23j, Ano23k, Ano23l, Ano23m, Ano23y, Ano23n, Ano23z, Ano23o, Ano23-27, Ano23p, Ano23-28, Ano23q, Ano23-29, Ano23r, Ano23-30, Ano23s, Ano23-31, Ano23t, Ano23-32, Ano23u, Ano23-33, Ano23v, Ano23-34, Ano23w, Ano23-35, Ano23x, Ano23-36, Ano23-37, Ano23-38, Ano23-39, Ano23-40, Ano23-41, Ano23-42, Ano23-43, Ano23-44, Ano23-45, Ano23-46, Ano23-47, Ano23-48, Ano24a, Ano24b, Ano24c, Ano24d, Ano24g, Ano24e, Ano24h, Ano24f, Ano24i, Ano24j, Ano24k, Ano24l]. **informs** [KSF+23].

Ingestion [BWSW24, ELS23, BZSF23, TION23]. **inhabiting** [AHCJ+20]. **inhibited** [GBMKJ22]. **initiates** [BFE+20]. **initiation** [PHM21]. **inland** [GMI+21]. **inlet** [IÁSNCR21]. **Inorganic** [BDL+21, ACW+22, FAB+20, HSD+20, KHHZ20, MHP+23, MKM+23, QRWT+22, RSLW23, RVvB+23, RCH+20, SKA+24, TEK+21, VWR+23, ZLU+20]. **input** [YML+21]. **inputs** [BOC+21, CZK+23, LPMBR23, TSX+23]. **insect** [BWB+22]. **Insight** [LLC+23]. **Insights** [ACW+22, BCWS23, BDE+22, LLMM+23, LVDM22, Lem20, LN21, PYM+20, SEG21, WAPC20, APB+23, HGA24, KLG+23, WOK+21, ZZB+20]. **Instr** [Ano20n, Ano20o, Ano20p, Ano20q, Ano20r, Ano20s, Ano20t, Ano20u, Ano20v, Ano20w, Ano20x, Ano20y]. **instrumented** [KTH+21]. **Integrating** [CSM+23, HHK+22, PSY+22, KSF+23]. **integrative** [ST22]. **intelligence** [ARB+22]. **intense** [AFH+22, CBF+23, CMT+20, DBB+21, LRM21]. **intensifies** [SVC+22]. **intensify** [ZXZ+23]. **intensity** [MTB+21, RGW+23]. **inter** [KMV+20, vdPMF+21]. **inter-annual** [vdPMF+21]. **inter-replacement** [KMV+20]. **Interaction** [ZLU+20, EWF22, GAS+21, KBL+20, LMSN23]. **Interactions** [BBA+23, HMB+20, ZFQ+20, CHA+24, GGS+21, MIR+22, PGB24, SDSGR21, TKH21]. **Interactive** [FPB+23, MGC+20, STB22, AFK+22, WWB+20]. **interactome** [CLC+20, CLC+21]. **interannual** [CGRGP+21, CP22, DLDF21, JLW+23, PFB+22]. **interface** [BKMY21, RWMP+23]. **interferes** [HXL+21]. **Interleaving** [HPNU20]. **intermediate** [RS20]. **intermittency** [PSE+20]. **intermittent** [SPR22]. **Internal** [BMS+22, FWDY20, GLN+20, FGO+20, GLN+21, HMB+22, MXL+21, NH22, PRS+20, XMP+21]. **Interplay** [SGSD+22, CYPRG+23, HZM+21]. **Interrelated** [YSHS23]. **Interspecific** [VGvdB+21, BHG+24, MKL+24]. **intertidal** [DvOH+20, EJM+23, FNB+23, ORE20, PYM+20, RS21, SYT+21, TEK+21]. **intertidal-flat** [SYT+21]. **intraguild** [PSNS22]. **intraspecific** [LLSQ24]. **introduced** [LCS+20, WTvD+22]. **introgression** [PPB+21, WNHY21]. **intrusion** [KTH+21]. **intrusions** [HPNU20, NH23]. **invader** [LBJS22]. **invasion** [YWZ+21]. **invasions** [SBH23, WHZ+21]. **invasive** [BDMGH+23, MWV22]. **inversions** [AAB+22]. **invertebrate** [DBFC24]. **invertebrates** [HANW21, MKBSK19, SRV+20]. **inverted** [LSW+20a]. **Investigating** [FHR+21]. **involved** [LOW+20, ZSZ+21]. **iodine** [SOSN23]. **Ireland** [SOO+21]. **iron** [BTT23, EBW+20, HYPG+22, HZM+21, HPB+21, JWAvD+22, KLP23, LG21, LHS+21, LHMR23, LMS+21, MGC+20, MWHR+22, SGA+22, SdBW+23, WRS+22, YSHS22, YSHS23, ZJW+22, ZLL+21]. **iron-dependent** [MWHR+22]. **iron-light-CO** [YSHS22]. **iron-supported** [SZY+20]. **Irradiance** [KKP+21, CT23, KNG+23, MSD23]. **irradiated** [AFM23]. **irradiation** [KRB+21]. **Island** [LVHK20, MSGW+20, MVBG20, FMT+20]. **Islands** [MSGW+20, SBV+21, SWS+22]. **isolation** [BRB+22]. **isoscapes** [YAH+21].

isotope [CDH+21, DMS+21, HRK+22, KLG+23, LHGJ21, ORRMD+21, SRM23, TMM+20, WDS+23, WAPC20]. **isotopes** [CDW+24, DWS+22, EST+24, HFL+20, HZC+24, IFU+20, LVDM22, LLC+23, MLP+21a, SWS+22, VCT+23, WRS+22, ZSD+20]. **Isotopic** [PMJ+21, TZF+22, Ano21c, BSF+21, FXD+22, GAS+23, HLKD23, TUR+20, WRWPG19, WMRL22]. **isotopomeric** [WLK+21]. **Issue** [Ano20b, Ano20c, Ano20d, Ano20e, Ano20f, Ano20g, Ano20h, Ano20i, Ano20j, Ano20k, Ano20l, Ano20m, Ano20n, Ano20o, Ano20p, Ano20q, Ano20r, Ano20s, Ano20t, Ano20u, Ano20v, Ano20w, Ano20x, Ano20y, Ano20-38, Ano20z, Ano20-39, Ano20-27, Ano20-40, Ano20-28, Ano20-41, Ano20-29, Ano20-42, Ano20-30, Ano20-43, Ano20-31, Ano20-44, Ano20-32, Ano20-45, Ano20-33, Ano20-34, Ano20-46, Ano20-35, Ano20-47, Ano20-36, Ano20-48, Ano20-37, Ano20-49, Ano20-50, Ano20-51, Ano20-52, Ano20-53, Ano20-54, Ano20-55, Ano20-56, Ano20-57, Ano20-58, Ano20-59, Ano20-60, Ano20-61, Ano21e, Ano21f, Ano21g, Ano21h, Ano21i, Ano21j, Ano21k, Ano21l, Ano21m, Ano21n, Ano21o, Ano21-53, Ano21p, Ano21q, Ano21-29, Ano21r, Ano21-30, Ano21s, Ano21-31, Ano21t, Ano21-32, Ano21u, Ano21-33, Ano21v]. **Issue** [Ano21-34, Ano21w, Ano21-35, Ano21x, Ano21-36, Ano21y, Ano21-37, Ano21z, Ano21-38, Ano21-27, Ano21-39, Ano21-54, Ano21-55, Ano21-28, Ano21-40, Ano21-41, Ano21-42, Ano21-43, Ano21-44, Ano21-45, Ano21-46, Ano21-47, Ano21-48, Ano21-49, Ano21-50, Ano21-51, Ano21-56, Ano21-52, Ano22e, Ano22f, Ano22g, Ano22h, Ano22i, Ano22j, Ano22k, Ano22l, Ano22m, Ano22n, Ano22o, Ano22p, Ano22a, Ano22q, Ano22r, Ano22-31, Ano22-30, Ano22-43, Ano22s, Ano22-32, Ano22t, Ano22-33, Ano22u, Ano22-34, Ano22v, Ano22-35, Ano22w, Ano22-36, Ano22x, Ano22-37, Ano22y, Ano22-38, Ano22z, Ano22-39, Ano22-27, Ano22-40, Ano22-28, Ano22-41, Ano22-29, Ano22-42, Ano22b, Ano22c, Ano22-44, Ano22-45, Ano22-46, Ano22-47, Ano22-48, Ano22-49, Ano22-50, Ano22-51, Ano22-52, Ano22-53, Ano22-54, Ano22-55, Ano22d, Ano22-56]. **Issue** [Ano23a, Ano23b, Ano23c, Ano23d, Ano23e, Ano23f, Ano23g, Ano23h, Ano23i, Ano23j, Ano23k, Ano23l, Ano23m, Ano23y, Ano23n, Ano23z, Ano23o, Ano23-27, Ano23p, Ano23-28, Ano23q, Ano23-29, Ano23r, Ano23-30, Ano23s, Ano23-31, Ano23t, Ano23-32, Ano23u, Ano23-33, Ano23v, Ano23-34, Ano23w, Ano23-35, Ano23x, Ano23-36, Ano23-37, Ano23-38, Ano23-39, Ano23-40, Ano23-41, Ano23-42, Ano23-43, Ano23-44, Ano23-45, Ano23-46, Ano23-47, Ano23-48, Ano24a, Ano24b, Ano24c, Ano24d, Ano24g, Ano24e, Ano24h, Ano24f, Ano24i, Ano24j, Ano24k, Ano24l]. **Issues** [BR22].

Japan [LDB+20, LDB+21, NSK+21]. **japonicus** [LDB+21]. **jelly** [CDH+21]. **jellyfish** [HGF+21, MMKWZ22, MBC+21, OFM+21, TKH21]. **juvenile** [FBJ+23, LDG+21].

kairomone [HXL+21]. **Kaiser** [Ano21b]. **karst** [BPL22]. **keep** [ETG21]. **keeping** [FGO+20]. **Kelp** [vEMF+20, BRHS20, BS20, NB23, SPKM22,

SBB+21, SMKS22, TCP+22, WLSD21]. **Kenya** [MGI+22]. **Kerguelen** [DAB+21, IJSC20]. **kerguelensis** [MGC+20]. **Kermadec** [SML+21a]. **key** [BTT23, BBL+21, LHS+21, VST+22, ZSF+23]. **Keys** [OLFH21]. **killer** [CCC+21]. **Kinetics** [FSS+23, ELS23, GF21, MSB+22]. **km** [TKW+23]. **known** [LSS+24]. **Kongsfjorden** [vdPMF+21]. **Krill** [NCC+21, YAH+21]. **Kuroshio** [LHS+20].

lab [BDE+22, SHZ+21]. **labile** [BKC20, HP20, MFGF+22, NKH+23, WCC20]. **lability** [BMG+23, PSNG+21]. **Lack** [KMM+22, BWB+22]. **lagoon** [BJS+23b, CCDM21, HHMH22, KX22, MBC+21, RWS+22, ZWM22]. **lagoonal** [YMSH20]. **lagoons** [BMR+21b]. **Lagrangian** [BGAD+22, FHR+21, RPA+22]. **lake** [ACA+22, ASH+20, AHF+22, BVL+23, BAG+24, BTK+21, BGG+20, BGM+22, BMLV24, BR22, CYPRG+23, CESS21, CHS+20, CTH+20, CKCB+23, CZK+23, DHNH22, DAN+22, DCF+22, DdEM+23, EST+24, ESW+21, EPR+24, FBK+22, FWDY20, FBV23, FPB+23, GGHBS+20, GWS+21, GB21, GB23, GKW+20, GKW+21, HZC+24, HNS21, HSB+20, HMB+22, HHK+22, HP20, HZZ+20, JOC+20, JSPS24, KKA22, KPM+20, KRC23, KPG+23, KHSP21, LVDM22, LDS+20, LZM+21, LLBC20, MBA+21, MAG+22, MOW+22, MWHR+22, MNMJ+21, OYM+20, PBC21, PCJ+21, PATL+23, Phi20, Phi21, PFB+22, PSK21, RNW+23, RLL+21, REF+21, RCS+20, SVC+22, SSM+21a, SPBK21, SGA+22, SO23, SGL+23, SCM22, SEK20, SBW21, SGM+21, SZY+20, SDS+23, SGS22, TKM+22, TKS+20, TMM+20, VMT+20, VWR+23, WCZ+20, XTL+20, YWLY20, YJB+20, vGDH+21, AJMG21, CYZZ+20, CWF+22, CTP21, DSY20, GZX+22]. **Lake** [LEK+22, Lem20, LDB+20, LDB+21, MWV22, MDP+23, MSB+20, NB20, ONH+20, PUH+23, RPA+22, SSP+20, SLZ+21b, SRL+20, THT+20, TZF+22, VMT+20, XDQ+22, XTL+20, XMP+21]. **lake-ice** [YWLY20]. **lake-level** [BGM+22]. **lake-water** [MNMJ+21]. **lakebed** [NH23]. **Lakes** [RD23, VCBB20, AVJ+24, AKT+21, Ano21a, BSIdG23, BMA+20, BLS+22, BGM+22, BMS+22, BV21, BPG+22, CCA+21, CM20a, CM20b, DAD+21, DKW+21, DMCW23, EAF+22, GGR24, GSG+17, HM20, HABL+21, IMB+22, JSPS24, JSB+20, KVKS22, KSH+23, LM24, LAD+22, LWH+23, LPA+23, MBH+23, MTP+23, MLC+21, MSGW+20, MVBG20, MSJ21, MHVC22, MNMJ+21, PGEB22, PMD+23, PC21, PW22, PFB+22, PLB+21, QFM+21, RHA+23, RCMA21, SJH20, SPBK21, SGGB21, SMCS23, SPLJA+20, SSWM20, SLHL+22, TKW+23, VMT+24, VKK+21, VST+22, XTJW21, YJ20, ZSK+21, ZZWL22, ZZB+20, DLC+22, GSP+23, GBO+20, MFM+21, MBB+20, SWOR20]. **lakeside** [MOW+22]. **Laminaria** [SOO+21]. **Land** [BSB+20, BGM+21, RTM+20, BCTH20, MGI+22, SML21b]. **landfast** [JHvL+23]. **Landscape** [ASH+20, CZH+21, DBFC24, LHL+21, LRM21, PFB+22, PLB+21, SZA+21]. **landscapes** [LVZ21, NDP+24]. **Large**

[XWL+21, ACW+22, BCL+22, BGAD+22, CCY+21, CMCC24, CHS+20, CTH+20, DHNH22, DMC+22, EST+24, EPR+24, FWDY20, FBV23, GEHD20, HZC+24, HLPT20, HMB+22, IÁSNCR21, JOC+20, KRC23, LM24, LAFV23, LHL+21, MGL22, MVP+20, MLS+21, MOW+22, PGB24, RHP+23, SH22, SO23, SGM+21, SDSGR21, TION23, TBH+22, VMT+20, WCZ+20, XDQ+22, YWLY20, ZLU+20, ZYZ+21]. **large-scale** [BGAD+22, SH22]. **Larger** [FLH+23, SGGB21, TION23]. **largest** [HTLP23]. **larvae** [CPBJR+21, GFG+22, GPDA+20, OLR+23]. **Larval** [GLN+21, APB+23, GLN+20, MLP21b, MURK20, MDWT+22, RPA+22, SSA+23]. **last** [TMKB+22]. **lasting** [SH22]. **Late** [SSR+23, BAHH+20, SBM+21]. **Late-season** [SSR+23]. **Lateral** [CTH+20, NH23]. **latitude** [JSB+20, KCT23, LDG+21, SLHL+22]. **latitudes** [ARB+22, RHM+21]. **Latitudinal** [GFW+20, BSGA21, JLS+20, JSL+23, LCS+20, RCMA21, ZZB+20]. **Laurentian** [GSP+23, MFM+21, SWOR20]. **layer** [DHNH22, GBC+20, NH22, NH23]. **layers** [PLLM21, SBW21]. **leads** [BMH+23]. **leaf** [FRRG+21, ZN20]. **leaf-litter** [FRRG+21]. **learning** [MT23, OAM+22, RWMP+23, SCC+21]. **leaved** [VJS+20]. **leidyi** [CCG+22]. **Length** [SGM+22]. **less** [MN20]. **leucine** [GE22]. **level** [BGM+22, BPG+22, FBK+22, FNB+23, LVHK20, LRM21, QMG21, YLT+20, ZvBZ+20]. **levels** [EWGP22, KTA+21, RBAC+20, SPBK21, YWLY20]. **Leveraging** [HMBB21]. **Liaohe** [PYY+20]. **lidar** [CZS+22]. **Life** [BST+22, DFW+20, HXL+21, LZG21, OFM+21]. **ligand** [KLP23, WXK+22]. **Light** [DPB+23, GEHD20, HPCH24, MCH+22, PCC+23, SSB+22, AVJ+24, BS20, CFC+20, CBT+21, CGB+21, DMM+21, FNB+23, GR24, GK22, HZS21, HPP+21, HS21, JWAvD+22, KKP+21, KSR20, KLP23, MTB+21, MGC+20, MLG+20, Phi20, Phi21, QBJG21, RGW+23, SMKS22, TKA21, TPTS23, WWFS21, WRHR22, YSHS22, YSHS23, ZXZ+23]. **Light-driven** [MCH+22]. **Light-use** [HPCH24]. **limitation** [AFH+21, APB+23, AWGV20, BYS+23, BVGQN22, DCK+22, GCW+23, KHK+22, MDP+23, MGC+20, TPTS23, hTRH20, VWR+23, WK21, WRS+22, YSHS22, ZFQ+20]. **Limited** [BAD+21, TMS+21, TCP+22, ASH+20, EJM+23, GVF+23]. **limiting** [NB23]. **limits** [AR20, GAS+21]. **Limnol** [Ano21b]. **Limnology** [Ano21a, Kir20]. **Lineage** [WNHY21, MNM+21]. **lineages** [BRB+22, FM21]. **Linear** [GR24, FGO+20, TBH+22]. **link** [TVB+21, VGSB23]. **Linkages** [ZQB+21, FLW+21, HCS+21]. **linked** [BCFI+22, LNR+20, PWS+20, PFB+22, RvHF+20]. **Linking** [FAB+20, GMMW20, dMKB+20, FJP+21]. **links** [ARB+22, KHB22, RNW+23, SJJ+21]. **Lipid** [PMF+21, HNS21]. **lipidome** [BCFI+22]. **lithium** [FSH+23]. **litter** [BRB+20, FRRG+21]. **litter-associated** [BRB+20]. **littoral** [VMT+20, VKK+21]. **Live** [BFW+22]. **livestock** [GBMKJ22]. **living** [WPY+20]. **lno.10504** [Ano21a]. **load** [FBV23, MDBI20, RS21, TBH+22, WHAR+20]. **loading** [DSY20, HMB+22, JOC+20, LTH21, SDL22, VMT+20, XMP+21]. **loads**

[Roy20]. **loathing** [PVSP+22]. **lobate** [CCG+22]. **lobsters** [BFCC+21]. **Local** [FRRG+21, KPNJ23, SLJ+22, OYM+20, SMG+22]. **Local-scale** [KPNJ23]. **location** [PHM21]. **locomotion** [JYA21]. **Long** [BBMD20, BMH+23, CB21a, CHA+24, FBV23, GBHF21, LAD+22, LGQ+21, MVP+20, MNMJ+21, RSLW23, SJH20, BCWS23, DAD+21, EDC24, FHMK20, HBR+22, LVHK20, Lem20, LZM+21, MKBSK19, SH22, SGM+21, YAH+21, MKBSK19]. **long-lasting** [SH22]. **Long-term** [BBMD20, BMH+23, CB21a, CHA+24, FBV23, GBHF21, LAD+22, LGQ+21, MVP+20, MNMJ+21, RSLW23, SJH20, BCWS23, DAD+21, FHMK20, HBR+22, LVHK20, Lem20, LZM+21, MKBSK19, SGM+21, YAH+21, MKBSK19]. **Longitudinal** [HCS+21]. **loop** [RNW+23, VGSB23, VKGW22]. **loops** [GM22]. **loss** [BH21, CM21, GMS21, SSS+20, ZQB+21]. **Low** [BBL+21, PBP+23, BTT23, BS20, BGM+21, BPG+22, CTM+21, CBHB21, CBD+23, EBK+20, FRRG+21, KRB+21, KKP+21, LDGB+24, MCYR20, OBL20, PUH+23, SDB+23, TKA21]. **low-energy** [SDB+23]. **low-level** [BPG+22]. **low-light** [KKP+21, TKA21]. **low-molecular** [BGM+21]. **low-oxygen-adapted** [CBD+23]. **low-quality** [FRRG+21]. **low-salinity** [OBL20]. **low-sulfate** [PUH+23]. **lower** [EJM+23, FPBG+22, TMSL22, DSY20]. **lowland** [MHL+20, PHB+22, RWT+21]. **lysates** [WCC20, ZLW+21a].

m [BGM+22]. **MA** [LVHK20]. **Machine** [OAM+22, MT23, RWMP+23, SCC+21]. **macro** [PBP+23, WLSD21]. **macro-tidal** [PBP+23, WLSD21]. **macroalgae** [BDMGH+23, DK20, LRRP20, RS21, SH22, SHBA22, SWS+22]. **macroalgae-dominated** [SH22]. **macroalgal** [BMR+21b, CCFF21, RMH+22, TPTS23, WBB+21]. **macrobenthic** [SYT+21]. **Macrocystis** [SBB+21]. **Macrofauna** [NvBE+21, HLPT20]. **macrofaunal** [DvOH+20]. **macroinvertebrate** [LLC21, LHL+21, MHdS+21]. **macroinvertebrates** [VKK+21, VST+22]. **macromolecular** [EHC+22, RRAO+21, ZLS+21]. **macronutrients** [HKM+20, MHP+23]. **macrophyte** [GGHBS+20, LRNG24, MCH+21, OGD20, SLHL+22, WCZ+20]. **macrophyte-** [WCZ+20]. **macrophytes** [HGMK22, HZZ+20]. **macrotidal** [YXC+22]. **magellanicus** [CGR22]. **magna** [LBvE23, RVBP23]. **magnitude** [SMW+21, WOT+23]. **main** [BAG+24, SWS+22]. **Maine** [DP22, SMP21]. **mainly** [OYM+20]. **major** [BCFI+22, EHC+22, HSD+20, KDZ+24, MBB+20, NvBE+21, YXC+22]. **Malawi** [NB20]. **management** [DFJ22, FGP22, XMP+21]. **Manganese** [LWvdM+21, SZY+20, BTT23, CLD+23, HPB+21, LHS+21, MCS+23, SGA+22]. **Manganese/iron** [SZY+20]. **Manganese/iron-supported** [SZY+20]. **mangrove** [BSB+20, CSC+21, CMCC24, CEE+22, EJM+23, HFL+20, KHK+22, KDZ+24, LAB+22, PBP+23, RMW+21, SSS+20, YOXC23, vHHP+21, vHHP+22].

mangrove-dominated [CMCC24, RMW+21]. **mangrove-fringed** [KDZ+24]. **mangrove-seagrass** [KHK+22]. **mangroves** [HMP+21]. **mapping** [PSY+22]. **Mara** [MGI+22]. **marginal** [FXD+22, LLK+22, LCZ+21, WXK+22, YWZZ20]. **mariculture** [XYL+23]. **marina** [GGS+21, SIP21]. **Marine** [EFC+23, MHD+22, SRV+20, ARPFGS23, AMC21, BMG+23, BHSG+20, BMCS23, BPIBN20, BFE+20, CML23, CBT+21, CHA+24, DCJB22, DBB+21, DWW+21, DCK+22, EHC+22, EJRRC+23, EWF22, GBW24, GM22, GFW+20, GAS+23, HLKD23, HVMS+21, JHSG+24, JHS+21, JLMW21, KOR+20, LCMG+20, LG21, LD22, LCM+22, LSL+20, LN21, LMSN23, MLK+22, MNM+21, MUGL20, MLP21b, MZW+21, MK20, OBL21, OGD20, PPB+21, PDK+23, SJR21, SB22, SEG21, SGK+21, ST22, TCS21, VKB+22, WWGP21, YAP+22, YSHS22, ZR23, ZZHZ23, ZLL+24, ZLL+21, ZFQ+20]. **Marked** [IJSC20]. **marker** [DAB+21]. **marsh** [BVM+20, CZH+21, DKPS23, EJM+23, HSBC20, KBB+22, LVHK20, LSC+21, MEQBV20, OJUN23, PNT+21, RWMP+23, SVBT20, SRN+21, SWK+23, XWL+21, ZLN21]. **marsh-influenced** [LSC+21]. **marshes** [GBMKJ22, LGF22, MKM+23, QMG21, TEK+21, YLT+20]. **masks** [BYS+23, LDB+20]. **mass** [BAG+24, ESW+21, JYA21, KBSA21, LVDM22, LLC+23, RFB+22, RST+21, SH22, YWZ+21]. **masses** [EBK+20, FBRG23]. **Massive** [MBLA+21, YAP+22]. **Masthead** [Ano20z, Ano20-27, Ano20-28, Ano20-29, Ano20-30, Ano20-31, Ano20-32, Ano20-33, Ano20-34, Ano20-35, Ano20-36, Ano20-37, Ano21q, Ano21r, Ano21s, Ano21t, Ano21u, Ano21v, Ano21w, Ano21x, Ano21y, Ano21z, Ano21-27, Ano21-54, Ano21-28, Ano22r, Ano22-30, Ano22s, Ano22t, Ano22u, Ano22v, Ano22w, Ano22x, Ano22y, Ano22z, Ano22-27, Ano22-28, Ano22-29, Ano22b, Ano23m, Ano23n, Ano23o, Ano23p, Ano23q, Ano23r, Ano23s, Ano23t, Ano23u, Ano23v, Ano23w, Ano23x, Ano24d, Ano24e, Ano24f]. **mat** [MVBG20]. **matching** [LEB21]. **material** [HPF+23]. **matrix** [GRJ20]. **mats** [MVBG20]. **matter** [AVJ+24, ABS+21, AKT+21, AMC21, BAG+24, BSF+21, BBH+20, BAD+21, BGG+20, BYS+23, BJG+22, BZK+22, BGM+21, CPB+21, CTP21, CLC+22, CM21, CCDM21, DVL+23, DLC+22, FAB+20, FXD+22, GMI+21, GAS+23, HOB+22, HHK+22, HCS+21, JSB+20, KAP+20, KDZ+24, KBB+22, KHCG+22, LBBM21, LRdGFP23, LMM+21, LNR+20, LD22, LSC+21, LTH21, LXC+21b, LPO+20, LLTT+24, MGL22, MEQBV20, PBC21, PSNG+21, PWS+20, PGN+21, RvHF+20, RLP+20, RCMA21, SB20, SB22, SEK20, SSWM20, SCB+20, SGSD+22, TSX+23, WCC20, YGD+21, ZCZ+23, ZZT+21, ZYZ+21, ZZB+20, dMKB+20]. **matters** [FGP22, TPTS23]. **maturation** [RVBP23]. **Maud** [DLDF21]. **maxima** [SWOR20]. **maximum** [SMNT22, SPLJA+20]. **may** [HVMS+21, MHD+22, OJUN23, SSEO21]. **Meadow** [THVJ23, CB21b, SVMM+22, VLP+21]. **meadows** [AHCF22, CCFF21, JREVB21, SN22, dSNIB22]. **measurable** [CSD+24]. **measured** [DAD+21, WO21]. **Measurement** [EAF+22, MHMML+22].

measurements
[BVM+20, CZS+22, DLDF21, KSR20, Lem20, SSM+22a, SEG21].
mechanical [XSZ+21]. **mechanics** [CCG+22, CUS21, SMF20]. **mechanism**
[GLN+20, YXC+22]. **Mechanisms**
[BWB+22, PLLM21, STAK22, BPL22, WDS+23]. **Mechanistic** [ALG+23].
mechanoreceptional [SYMF21]. **mediate** [LWS+22]. **mediated**
[GLM+23, SRN+21, VJS+20, WKRL+23]. **mediates** [PCJ+21]. **mediating**
[HLPT20]. **mediation** [CBN21, WMTJW22, ZTT23]. **Mediterranean**
[GCEM+23, GLM+23, MGP+21, MBC+21, RHS+22, SORGC+21]. **meet**
[HMBB21]. **Meiler** [ZR23]. **meiobenthic** [LBG+22, RLP+20]. **meiofauna**
[MHG+23, PCN22]. **melt** [KPG+23, VMP+21]. **meltwater** [MCS+23].
Members [Ano20-38, Ano20-39, Ano20-40, Ano20-41, Ano20-42, Ano20-43,
Ano20-44, Ano20-45, Ano20-46, Ano20-47, Ano20-48, Ano20-49, Ano21-29,
Ano21-30, Ano21-31, Ano21-32, Ano21-33, Ano21-34, Ano21-35, Ano21-36,
Ano21-37, Ano21-38, Ano21-39, Ano21-55, Ano21-40, Ano22-31, Ano22-43,
Ano22-32, Ano22-33, Ano22-34, Ano22-35, Ano22-36, Ano22-37, Ano22-38,
Ano22-39, Ano22-40, Ano22-41, Ano22-42, Ano22c, Ano23y, Ano23z,
Ano23-27, Ano23-28, Ano23-29, Ano23-30, Ano23-31, Ano23-32, Ano23-33,
Ano23-34, Ano23-35, Ano23-36, Ano24g, Ano24h, Ano24i]. **Mercenaria**
[MURK20]. **Mercury**
[CESS21, RCMA21, BAG+24, BCA+20, SGGB21, TUR+20].
mercury-cycling [BCA+20]. **mercy** [RHM+21]. **Meretrix** [SYT+21].
meromictic [CYPRG+23, TZF+22]. **mesocosm** [SSM+22a]. **mesocosms**
[HS21, RLL+21, TVB+21]. **mesopelagic**
[BBM21, CLT+22, LPO+20, OLR+23, SWC+23, WSZ22a, WSZ22b].
mesophotic [FPBG+22, LMS23, MSL21, RFB+22, SWS+22].
mesopredator [RS20]. **mesoscale** [ACE+22]. **mesotrophic** [TMM+20].
Mesozooplankton [CDA+20, GNO22, SSM21b]. **meta**
[BR22, CSM+23, PHM21]. **meta-barcoding** [CSM+23]. **meta-ecosystem**
[PHM21]. **meta-ecosystems** [BR22]. **Metabolic**
[Ano21a, DMC+22, GSG+17, BMR+21a, CYPRG+23, MSG+22, MGGRR+21].
Metabolism
[RRHS+21, BBMD20, BYS+23, BCL+22, BHA+22, CB21b, CZK+23, EDC24,
EJRRC+23, HHK+22, KVKS22, LAD+22, LRdGFP23, MA21, MGWS23,
MRT+24, PHB+22, Phi20, Phi21, RVS+22, SBB20, TCP+22, WCC20].
Metabolite [JLS+20, JSL+23]. **metabolites** [LSS+24]. **metabolome**
[BMGK22]. **metacommunity** [GGHBS+20, GGLH+22]. **Metagenomics**
[BVM+20, Kir20, BWV+20, GMMW20, MVBG20]. **metal** [DBB+21].
metalimnion [Ano21a, GSG+17]. **metals**
[BBA+23, HKM+20, KDZ+24, WOMWR20]. **Metamorphosis** [BFCC+21].
metapopulation [GRJ20]. **metatranscriptomes** [LABM20].
Meteorological [AH20]. **meter** [BKMY21]. **Methane**
[LVDM22, LDS+20, YWZZ20, AHCF22, AWB+23, AGC+21, BVL+23,
BBH+20, DHNH22, GMI+21, GPK+21, GKW+20, GKW+21, HGMK22,

HNS21, KWS+21, LHD+20, LPA+23, MWHR+22, PSK21, RHA+23, RWT+21, RSH+20, SPBK21, SBW+20, SSM+22b, SZY+20, TKS+20, TMM+20, VJS+20, VJH+22, YOXC23, ZLL+24, vGDH+21]. **methane-derived** [TKS+20, vGDH+21]. **methanogen** [BBH+20]. **methanogenesis** [BVL+23, SSM+21a]. **Methanogens** [EJM+23]. **methanotroph** [vGDH+21]. **method** [LAB+22]. **methylating** [CBB+22]. **methylmercury** [BC20, TKW+23, YJB+20]. **Methylobacter** [vGDH+21]. **Methylotenera** [vGDH+21]. **methylotroph** [vGDH+21]. **metric** [KKA22]. **metropolitan** [RTM+21]. **Mexico** [KPS21, MLP+21a, PMRG20, WSZ22a, WSZ22b, YMSH20]. **Meyer** [Ano21b]. **Meyer-Kaiser** [Ano21b]. **Michigan** [CTP21, RPA+22]. **micro** [MMLPRHCG22]. **micro-computed** [MMLPRHCG22]. **microalga** [GAS+21, RGW+23]. **microalgae** [BLS20, WRHR22]. **microalgal** [SRM23]. **microbe** [TKH21]. **microbes** [BRB+20, BFE+20, LABM20, ST22, TSX+23]. **Microbial** [BRB+20, MAD+22, RvHF+20, RCS+20, BHSG+20, BSGA21, BGG+20, BWV+20, BMLV24, BZK+22, CYPRG+23, CLC+22, CGL+21, DBB+21, DCF+22, FAB+20, FLW+21, GM22, GMMW20, GPK+21, HBY+22, HMB+20, HLS+22, IMB+22, KHSP21, LD22, LZD+23, MVBG20, MCYR20, OBB+20, OYM+20, PWS+20, RLL+21, RBAC+20, SBB20, SB20, SGSD+22, TMS+21, VGSB23, VKGW22, VJH+22, XKP+22, XTJW21, ZR23, ZTT23, vEMF+20]. **microbialite** [IMB+22, MVBG20]. **microbialite-bearing** [IMB+22]. **Microbially** [ZCZ+23]. **microbiology** [JLMW21]. **Microbiome** [CYZZ+20, HMM+22, SSS+24]. **microbiomes** [HZZ+20, XTL+20]. **microcrystals** [LN21]. **microcystin** [CWF+22]. **Microcystis** [CLC+20, CLC+21, MDP+23]. **microenvironment** [EWGP22]. **microenvironments** [EBW+20]. **microevolutionary** [ZZCD23]. **microfocus** [IKN+21]. **microheterogeneity** [KHSP21]. **microorganisms** [CBB+22, CKH+21, EPR+24]. **microphytobenthos** [DvOH+20, ORE20]. **microplankton** [KHHZ20]. **Microplastic** [BZSF23, DWR+23, EAF+22]. **microplastics** [GLM+23, KWB21]. **Microscopy** [CBN21, KAC+23]. **microsporidian** [CML23]. **Microzooplankton** [MMG+21, LCZ+21, LNC+23]. **Mid** [KCT23, RHM+21]. **mid-latitudes** [RHM+21]. **Mid-summer** [KCT23]. **midlatitude** [BAHH+20]. **midwater** [VSB+23]. **Midwest** [BJG+22]. **migrating** [PJRV23]. **migration** [BJS23a, BBM21, GNO22, TGE+21, WSZ22a, WSZ22b]. **millennial** [KSH+23, vHLV+20]. **millennial-aged** [KSH+23]. **mimics** [GLN+20]. **mine** [BWV+20]. **Mineral** [EBW+20, PYY+20, SdBW+23, VJS+20]. **mineral-bound** [SdBW+23]. **mineral-soil** [VJS+20]. **mineralization** [LMM+21, vEMF+20]. **Minerogenic** [MKM+23, KBB+22]. **minima** [SCT+21]. **minimum** [CCK+21, THL+21, WRA+23, LZG21]. **mining** [CLGH23, LMS+21, OBB+20]. **minute** [GK22]. **missing** [VGSB23]. **Mississippi** [GBHF21, LTH21, Roy20, TMSL22]. **mitigate** [SSEO21]. **mitigates** [MDWT+22]. **mixed** [SBW21, SSB+22]. **Mixing**

[CM20b, EPR+24, YWLY20, AVS+22, GK22, HPP+21, IFU+20, LLC+23, LXC+21a, NH22, PFH21, PW22, ZSF+23]. **Mixing-driven** [EPR+24]. **mixoplankton** [GM22]. **Mixotrophic** [GDB20, AH20, ELS23, LES+21]. **Mixotrophy** [TCS21, BH21]. **mixtures** [FDHS20]. **Mn** [BYB+23, CLD+23, dCLO+23]. **Mn-oxidizing** [CLD+23]. **Mnemiopsis** [CCG+22]. **Model** [OLR+23, BST+22, CYPRG+23, DFJ22, DK20, GMNG+24, GMI+21, HPF+23, HDS+20, IFU+20, LZG21, LTLH22, PSNS22, WRA+23, WSZ22a, WSZ22b, ZLN21]. **Modeled** [LAB+22, MURK20]. **Modeling** [CLGH23, GLM+23, LVHK20, PC21, SBB20, YGD+21, APB+23, BSF+21, BR22, KBSA21, MAG+22, PHB+22, WRMP22]. **models** [KSF+23, LCMG+20, MBD+23, RPA+22, WMTJW22]. **moderate** [MHD+22]. **modern** [SLHL+22, vHLV+20]. **modification** [GÖA+23, NTJ+20, TCP+22]. **modified** [KFHS24, RCMA21]. **modify** [MK21]. **modular** [MMLPRHCG22]. **modulate** [SMF20, WWFS21, ZBNH+21]. **modulated** [GR24]. **modulates** [ABC+21, KKP+21, WOT+23]. **modulating** [JREVB21, TGE+21]. **modulation** [CHAA21]. **Molecular** [LD22, SB20, BGM+21, CLC+22, HDS+20, MGC+20, ZYZ+21]. **molecules** [LPO+20, ZLW+21a]. **molybdenum** [FSH+23]. **Monitoring** [ASL+24, BCWS23, FJP+21, THS21]. **monocultures** [FDHS20]. **monomictic** [GWS+21, SGS22, XTL+20]. **montane** [LHL+21]. **Monterey** [FHMK20, TRS+20]. **month** [GWS+21]. **monthly** [IOS24]. **moon** [OLR+23]. **Morocco** [NEB+22]. **morphological** [GWS+21]. **morphologically** [BRCO21]. **Morphology** [BRHS20, MDWT+22, OBL21, SRN+21, SGM+22]. **mortality** [CCC+21, KSI24, SH22, Wei24]. **mosaic** [CEW+21]. **mostly** [MBH+23]. **motion** [JvKvT+20]. **Mountain** [VMT+24, CCA+21, CGGC+21, CESS21, ESW+21, JSPS24, MHVC22, PFB+22, WK21]. **Mountains** [VMT+24]. **mouths** [EST+24]. **Moving** [FDF+21]. **Mu** [CLGH23]. **mucus** [BH21]. **Mud** [MEQBV20]. **Mud-associated** [MEQBV20]. **muddy** [CGD22, MHG+23]. **Multi** [FR23, ZSZ+21, GCEM+23, vHLV+20]. **multi-millennial** [vHLV+20]. **Multi-omics** [ZSZ+21]. **multi-taxon** [GCEM+23]. **Multi-year** [FR23]. **multiarm** [ILPL20]. **multibasin** [ILPL20]. **multibeam** [PSY+22]. **Multiclonal** [LBvE23]. **Multidecadal** [KLO23, BJG+22]. **multifactorial** [WBB+21]. **Multigenerational** [dJGCS23]. **multilake** [DMM+21]. **Multiple** [KBvdD+20, CBPNA22, CESS21, GBW24, HHMH22, HMBB21, KDV+23, LHL+21, MVP+20, WPO+22, ZJ22b]. **Multiscale** [SCM22]. **multistressor** [DK20]. **multitasking** [GM22]. **multitrophic** [BPG+22]. **multivariate** [ZJ22a]. **multiyear** [SGS22]. **mussel** [NTJ+20]. **mussels** [LGQ+21]. **mutualistic** [FPBG+22]. **mysid** [BWSW24]. **Mytilus** [NTJ+20].

N [ZLW+21a, AAC+21, AFH+22, BSGA21, DRA+23, HBS+22, HZC+24, HMB+22, LLL+23, LTLH22, MLL+21, SCC+21, SWS+22, TZF+22, hTRH20,

WWGP21]. **N-containing** [ZLW+21a]. **nano** [KKP+21]. **nano-diatom** [KKP+21]. **nanoflagellate** [LES+21]. **nanoflagellates** [STAK22]. **nanoparticle** [YPF+23]. **nanoplankton** [KPS21]. **nanoscale** [XSZ+21]. **narcomedusa** [VSB+23]. **narrow** [SLJ+22]. **national** [PATL+23]. **national-scale** [PATL+23]. **native** [BDMGH+23, HSP+20, LCS+20, MWV22, WTvD+22]. **Natural** [FBK+22, AFM23, CTM+21, DVL+23, HBR+22, LMSN23, NDP+24, RBL+20, SdBW+23, vHLV+20]. **naturally** [MNMJ+21, SSB+22]. **Nature** [LSW+20a]. **Near** [PMD+23, RBAC+20, KPS21, NCC+21, SBV+21]. **Near-bed** [PMD+23]. **nearly** [YG23]. **nearshore** [MOW+22, MK21, SO23, SOT+20]. **negates** [WM20]. **negative** [MDWT+22, SSEO21]. **neglected** [ZZL+21]. **negligible** [AHCF22]. **neighboring** [ZvBZ+20]. **Neogoniolithon** [GTKW+20]. **neogracile** [KMM+22]. **Neotropical** [BWB+22]. **neritic** [CPBJR+21]. **nerka** [ASH+20]. **Net** [CB21b, MSG+22, BBCA+21, CBC+22, LSDA21, ZLL+21]. **network** [AFH+22, GRJ20, LWS+22, MHSL22, PSE+20, RVS+22, WMTJW22]. **networks** [BGAD+22, DPB+23, LGF22, SJH20, ZZT+21]. **neural** [SJH20]. **neutrally** [FGO+20]. **Nevada** [CM20a]. **Ni** [LTLH22, hTRH20]. **Niche** [TKA21, BO20, CYPRG+23, CHA+24, CUS21, CGB+21, EJM+23, KKP+21, LTJ+20, MCYR20, SSS+24]. **niches** [Gil22, RFB+22, SHZ+21]. **nifH** [MBD+22]. **night** [KGG+23, MLG+20, vdPAV+20]. **Niño** [WRS+22]. **Nitrate** [AWGV20, LXC+21a, vGDH+21, BVM+20, CEW+21, CDW+24, LTH21, RWS+22, SZA+21, WRS+22, WAPC20, XLN21]. **Nitrification** [LMC+21, HRK+22, HGF+21, PCC+23, SWB+20]. **nitrifiers** [BMCS23]. **nitrite** [ETMD23]. **Nitrogen** [AHCJ+20, JHSG+24, LLTT+24, SWS+22, WLK+21, ABS+21, ARBvS+21, AMO20, AVS+22, BRB+20, BDL+21, BKMY21, BRM+23, CBF+23, CDW+24, DWW+21, DWS+22, FBP20, FPB+23, GBO+20, HRK+22, HHMH22, HANW21, HSBC20, HSD+20, HMB+22, KTA+21, KRC23, KHHZ20, LDGB+23, LTH21, MNM+21, MLL+21, MCYR20, ORE20, RGP+22, RS21, Roy20, STB22, SMW+21, SWZ+23, SHE+21, SML21b, SLZ+21a, SSR+23, THVJ23, VWR+23, WWFS21, WRS+22, WDS+23, WKRL+23, YG23, ZQB+21, ZBNH+21, ZFQ+20, ZXZ+23]. **nitrogen-enrichment** [HHMH22]. **nitrogen-fixing** [FBP20, YG23, ZFQ+20]. **nitrogenase** [LTLH22]. **Nitrous** [TTC+22, AHCF22, FSS+23, HBR+22, LMC+21, LPMBR23, RTM+20, RTM+21, WLK+21, ZZO+21]. **No** [CSH21, CBS+21, PPB+21]. **nocturnal** [MDIY23]. **nodosa** [JREVB21]. **Non** [FBP20, HMB+22, ZXZ+23]. **non-algal** [ZXZ+23]. **Non-cyanobacterial** [FBP20]. **non-N-fixing** [HMB+22]. **Nonlinear** [BJG+22, SPHH22, HHK+22, PRS+20]. **nonphotochemical** [CGB+21]. **Nonrandom** [GMS21]. **nonvisual** [BBM21]. **North** [BYB+23, EBK+20, ETMD23, FSS+23, THT+20, LAD+22, MLC+21, SML21b, AHCJ+20, ADLW22, BMR+21a, BAD+21, BAHH+20, CKH+21, CJB+21, DNB+20, DWS+22, DNA+22, ETG21, FDF+21, FIH+20,

GFW+20, HBG+22, HYPG+22, KBvdD+20, LTJ+20, LNC+23, MWV22, MMG+21, NvBE+21, PDK+23, RPKC22, SBW+20, SSM+22a, SAD+20, TKA21, WF22, WRS+22, YWZZ20, YWZ+21, YAE+23, ZBNH+21]. **North-Atlantic** [BMR+21a]. **north-temperate** [MLC+21]. **Northeast** [PYY+20, KMV+20, SWC+23, ZZB+20, MMF+21, SPKM22, SSM21b]. **Northern** [MURK20, BTK+21, CDA+20, CZK+23, FSM+21, JSB+20, KHB22, KPL+20, KBL+20, MHP+23, NEB+22, RSH+20, VMT+24, CMT+20]. **northwest** [LSCL21]. **northwestern** [BDL+21, KPS21, LSS+24, MZXY22, MY23, MLP+21a, YMSH20, SWS+22]. **novel** [APB+23, ASL+24, GLN+20, HGH+21]. **novo** [DNA+22]. **novo-discovery** [DNA+22]. **nuisance** [GAS+21, RS21]. **null** [LD22, SB22]. **numbers** [ZR23]. **numerical** [GMNG+24]. **nursery** [GPDA+20]. **Nutrient** [BYS+23, BS20, BAHH+20, BVGQN22, LSDA21, NSK+21, PKKS20, VMT+20, VWR+23, AWGV20, ALH+21, BGM+21, BRM+23, CAV+22, CFC+20, CLGH23, CM21, CMB+21, DCF+22, DKBG21, DKPS23, EFC+23, FMT+20, FBV23, GGS+21, HSBC20, HCS+21, JOC+20, JLW+23, JHvL+23, KRB+21, KHK+22, LLC+23, LBG+22, LZM+21, LSCL21, MAP+22, MSJ21, MRT+24, OBL21, PBC21, PHM21, RLL+21, RBL+20, RBSB22, SDL22, TBH+22, VST+22, WHAR+20, XMP+21, YvdHC+20]. **Nutrients** [MGGRR+21, AFK+22, FAB+20, KFHS24, LNC+23]. **Nutritional** [JLR+22, VKK+21]. **NW** [GBB+21].

O [AFH+22, DRA+23, EBW+20, TZF+22, WMRL22]. **obliquus** [ZSZ+21]. **Observations** [KTH+21, ZYZ+21, APB+23, CSM+23, FIH+20, MBD+23, WDG+21]. **observatory** [MKBSK19]. **Observed** [KdED+20, HDD+22, NH23, SLZ+21b]. **occupancy** [CGB+21]. **occupation** [CYPRG+23]. **Occurrence** [XYZ+21, MZW+21, MHSL22, ZZT+21]. **occurring** [MWHR+22, VGvdB+21]. **occurs** [MBH+23]. **Ocean** [ARPFGS23, RLP+20, SSEO21, YAP+22, ARB+22, BFW+22, CSD+24, CSM+23, DKPS23, GM22, GLAHH+23, HDS+20, JHS+21, KLO23, KTH+21, LD22, LXC+21a, MO23, MLP21b, MBD+23, MCS+23, MFGF+22, NSK+21, OSR20, ORRMD+21, PKV20, RBD22, SBD+21, SSH+22, SB20, SHZ+21, TNK+22, TKH21, WWB+20, YXC+22, ZLU+20, dCLO+23, ADLW22, BSGA21, BDL+21, BRCO21, BDE+22, BLRM24, BBA+23, CGL+21, CKH+21, CLD+23, CBC+22, DFW+20, EBK+20, ETMD23, HCB+22, IKN+21, IJSC20, JSL+23, LGI+20, LWvdM+21, LL23, MT23, MSB+22, MPW+23, MLT+21, MGC+20, PDK+23, PGN+21, RKBT+23, SBM+21, SORGC+21, SWC+23, SHE+21, SJJ+21, SBW+20, SSM21b, SAD+20, TMS+21, WRS+22, XKP+22, XYZ+21, YSHS23, ZZO+21, ZXE+23]. **ocean-** [DKPS23]. **Oceanic** [CCG+22, FIM+22, OMM21, CCK+21, CDH+21, CBD+23, DLL20, EHC+22, KTH+21, KP20, MCH+21, WKRL+23, ZZHZ23]. **oceanica** [AAC+21, CB21b]. **Oceanogr** [Ano21b]. **Oceanographic**

[MT23, CZS+22, FJP+21, GSD+23, SSA+23, TKA21]. **Oceanography** [Ano21a, Kir20]. **oceans** [SSB+22, WSLC22, ZCZ+23, BCA+20, GRJ+22]. **octocorals** [PMF+21]. **off** [BK20, SVBT20, YGD+21]. **offs** [BH21]. **offsets** [BS20, JOC+20]. **offshore** [CTP21, KLO23, KPS21]. **Ohrid** [VMT+20]. **Oikopleura** [MLS+21]. **Okhotsk** [ZZO+21]. **old** [MHVC22]. **oligomesotrophic** [KHSP21]. **oligotrophic** [CHP+24, CM20a, DdEM+23, EPR+24, HSB+20, LLL+23, LXC+21a, MHD+22, MOW+22, RCS+20, SGGB21, SBL+21, SDB+23, SRL+20, SGM+21, WSLC22]. **oligotrophication** [MHSL22, SDS+23]. **omics** [ZSZ+21]. **omnivorous** [KGG+23, NDP+24]. **omnivory** [BOC+21]. **Oncorhynchus** [ASH+20]. **one** [ZZCD23]. **onset** [ZZL+21]. **Ontogenic** [PWS+20]. **open** [HJWP24, PKV20, SPKM22]. **open-coast** [SPKM22]. **Opening** [SO23]. **operationally** [LHMR23]. **opportunities** [BR22, MBD+23]. **opportunity** [OJUN23]. **Optical** [ADLW22, BHG+24, EJRRC+23, LSW+20a]. **optically** [BGG+20]. **optimization** [TVB+21]. **Optimizing** [FGP22]. **Organic** [BAG+24, HLS+22, KHCG+22, PUH+23, PGN+21, VWR+23, AVJ+24, ABS+21, AKT+21, AMC21, BMR+21a, BCWS23, BMCS23, BSF+21, BPIBN20, BBH+20, BAD+21, BJK+21, BGG+20, BYS+23, BDL+21, BJG+22, BZK+22, BGM+21, CPB+21, CTP21, CGC+21, CLC+22, CM21, CCDM21, DVL+23, DdEM+23, DLC+22, EJRRC+23, FAB+20, FUUG+21, FXD+22, GDB20, GMI+21, GAS+23, HCB+22, HZM+21, HOB+22, HHK+22, HCS+21, HP20, JSB+20, KAP+20, KDZ+24, KBB+22, LBBM21, LRdGFP23, LMM+21, LNR+20, LDGB+23, LDGB+24, LD22, LSC+21, LTH21, LZD+23, LXC+21b, LPO+20, LLTT+24, MGL22, MEQBV20, MRH+23, MRD+21, MNMJ+21, PBC21, PSNG+21, PWS+20, PC21, PNT+21, RvHF+20, RLP+20, RCMA21, RBR+23, SVMM+22, SSS+24, SB20, SB22, SZA+21, SOT+20, SEK20, SSWM20, SCB+20, SGS22, SGSD+22, TSX+23, VST+22, WCC20, WOK+21, WXK+22, YGD+21, ZCZ+23, ZJW+22, ZLW+21a]. **organic** [ZZT+21, ZYZ+21, ZZB+20, dMKB+20]. **organisms** [FGO+20]. **organization** [KPNJ23]. **origin** [MRD+21]. **origins** [LNR+20]. **Orkney** [MSGW+20]. **orthophosphate** [RHS+22]. **oscillating** [JYA21]. **Oscillation** [LDB+21]. **oscillations** [SGS22]. **oscillatory** [MDBI20]. **other** [GFW+20, LES+21, WWFS21]. **Otolith** [DAB+21]. **our** [MVBG20]. **outcompete** [RHS+22]. **Outwelling** [KDZ+24]. **Overestimation** [GE22]. **overgrowth** [RMH+22]. **overlying** [XLN21]. **overrides** [RRHS+21, YG23]. **overview** [SPHH22]. **oxic** [CYZZ+20, GKW+20, GKW+21, HGMK22, TMM+20, XLN21, YWZZ20]. **oxidation** [ACA+22, FSS+23, GPK+21, LVDM22, LPO+20, LPA+23, MSB+22, MWHR+22, RRHS+21, RSH+20, SHE+21, SSM+22b, SZY+20, THL+21]. **oxidative** [MRT+24]. **oxide** [AHCF22, FSS+23, HBR+22, LMC+21, LPMBR23, RTM+20, RTM+21, TTC+22, WLK+21, ZZO+21]. **oxidizing** [CLD+23]. **Oxygen** [BKMY21, CBB+22, HJWP24, SMCS23, AHCJ+20, BYB+23, CCK+21,

CGGC+21, CKCB+23, CBD+23, DPB+23, DNA+22, EBK+20, FIH+20, GB23, KDV+23, Lem20, LHGJ21, LSW+20b, MHG+23, MP23, MDIY23, PCJ+21, QRWT+22, RWMP+23, SJH20, SMW+21, SSM+22a, SSWM20, SEG21, SCB+20, SCT+21, THL+21, WLK+21, WRA+23, YWLY20].
oxygen-consuming [SCB+20]. **Oxygen-controlled** [BKMY21].
Oxygen-deficient [CBB+22, AHCJ+20, BYB+23, CKCB+23, DNA+22].
oxygenated [LDS+20]. **Oxygenation** [BPL22, HBR+22]. **oxygenized** [HPNU20]. **oyster** [CCC+21, HLS+22, WSB+20]. **oysters** [HSP+20, MDWT+22].

P [LPMBR23, MLL+21]. **Pacific** [ADLW22, CKH+21, ETMD23, HYPG+22, PDK+23, RPKC22, SSM21b, SAD+20, WRS+22, ZBNH+21, AHCJ+20, BSGA21, BYB+23, BCA+20, CJB+21, CBC+22, DWS+22, DNA+22, DFW+20, EBK+20, FDF+21, FSS+23, FIH+20, GFW+20, HDK+21, HOB+22, KMV+20, LLK+22, LWC+24, LSCL21, LNC+23, MZXY22, MY23, MMG+21, SMW+21, SWC+23, SOT+20, TKA21, WOK+21, XYZ+21, YAH+21, YWZZ20]. **Page** [Ano20a, Ano20b, Ano20c, Ano20d, Ano20e, Ano20f, Ano20g, Ano20h, Ano20i, Ano20j, Ano20k, Ano20l, Ano20m, Ano21e, Ano21f, Ano21g, Ano21h, Ano21i, Ano21j, Ano21k, Ano21l, Ano21m, Ano21n, Ano21o, Ano21p, Ano22a]. **Paired** [BBGM20]. **paleoceanographic** [RWL+24]. **paleoclimate** [THT+20]. **paleolimnological** [BLS+22]. **Palmer** [NCC+21]. **Panulirus** [BFCC+21]. **paradigm** [GM22]. **Paradox** [GVF+23, BVL+23]. **parameters** [HZC+24, KTWGT20]. **parametrization** [PC21]. **parasite** [DMCW23, LEB21, ONH+20]. **parasites** [CML23, DMCW23, FWT+20]. **parasitic** [KSN+21]. **parasitism** [BDMGH+23]. **Parent** [CSH21]. **Parental** [MDWT+22]. **particle** [AVS+22, BSGA21, CZS+22, CBN21, GEHD20, JSW+21, KSR20, KBvdD+20, RPA+22, WPY+20, WDS+23]. **particle-associated** [BSGA21, WPY+20]. **particles** [CKH+21, CBN21, DBB+21, DLL20, JLS+20, LG21, SWC+23, SAD+20, WF22]. **particular** [GMI+21]. **Particulate** [JSL+23, CLD+23, FUUG+21, HCB+22, HCS+21, RMW+21, SOSN23, SOT+20, ZCZ+23, ZBNH+21]. **Partitioning** [BHA+22, HLKD23, SSS+24, SCB+20, TKA21]. **passing** [KX22]. **past** [MFM+21, SSL22, SLHL+22]. **pathway** [KP20, SWZ+23]. **pathways** [BSIdG23, BMGK22, MMG+21, ZSZ+21, vEMF+20]. **pattern** [ZZO+21]. **Patterns** [BMB22, KRC23, WPY+20, BJS23a, BMR+21b, BMLV24, BFE+20, BRB+22, CGB+21, GCW+23, GBC+20, HEH+20, HCS+21, HABL+21, JREVB21, LABM20, LSS+24, MHdS+21, MZW+21, MGGRR+21, NGSS23, PATL+23, PLB+21, QMG21, Roy20, RBSB22, SVBT20, SPBK21, VMP+21, WWGP21, vLWV+20]. **pCO** [CGR22, CCB+20, EDC24, EWGP22, GPB+20, MDWT+22, NB20, QBJG21, RGW+23, TMS+21, VKB+22, WRHR22, WDG+21]. **Peak** [TMSL22]. **peaks** [SSH+22]. **Pearl** [YGD+21]. **peat** [BCWS23, KRM+20]. **peatland** [DdEM+23, FSM+21, KSH+23, TKW+23]. **peatland-rich** [TKW+23].

peatlands [FSM+21]. **Pelagic** [HBS+22, RSH+20, ST22, WRHR22, BZSF23, CJB+21, CHA+24, FWT+20, HGF+21, KPL+20, KLG+23, MBLA+21, MLT+21, NvBE+21, PVSP+22, VCT+23, VKK+21, VGSB23, VKGW22]. **pellet** [SSM21b]. **pellets** [DMS+21, MLS+21]. **penguin** [CFC+20, NCC+21]. **Peninsula** [BBL+21, CFC+20, CMT+20, JWAvD+22, MHP+23, NGSS23, SGSF20]. **peptidomic** [DNA+22]. **perennially** [LDS+20, SSM+21a]. **performance** [BDMGH+23, BFW+22, DWR+23, MSB+20]. **peri** [SDS+23]. **peri-alpine** [SDS+23]. **period** [ACA+22, XTL+20]. **Periodic** [NH23]. **periodically** [RWS+22]. **periodicities** [LDB+21]. **Periphyton** [FSM+21, VST+22, BHSL21, WK21]. **permafrost** [BMLV24, FBP20, LLC21, RRHS+21, TKW+23]. **permanently** [CKCB+23]. **permeable** [NKH+23]. **peroxide** [SGK+21]. **Persistence** [SBW21]. **perspective** [BLS+22, FIM+22]. **perturbations** [TMS+21]. **Peruvian** [THL+21]. **petrogenic** [BJK+21]. **pH** [CTM+21, EBW+20, GAS+21, HTLP23, JvKvT+20, JHS+21, JLR+22, KDV+23, MGP+21, MK21, MKD22, MNMJ+21, PCC+23, SCT+21, WDG+21, ZLU+20]. **Phaeodaria** [MNM+21]. **Phaeophyceae** [SBB+21]. **phagocytosis** [LOW+20]. **phagotrophy** [BH21]. **phase** [HLKD23, MLC+21]. **phases** [CB21a]. **phenology** [CCA+21, CHA+24, DNB+20, LAD+22, MLP21b, vLWV+20]. **phosphate** [MUGL20, SBW+20]. **phosphate-depleted** [SBW+20]. **Phospholipid** [PKV20]. **phospholipids** [GVF+23]. **Phosphonate** [SBW+20]. **Phosphorus** [DGW+21, AWGV20, AJMG21, AVS+22, BPIBN20, BRM+23, DCK+22, FPB+23, GVF+23, HSBC20, HPB+21, KPM+20, KTA+21, MDP+23, QFM+21, Roy20, RBR+23, SGA+22, SdBW+23, SML21b, YJ20, ZFQ+20, ZXZ+23]. **photic** [LLL+23, QBJG21, WCC20]. **photo** [RRHS+21]. **photo-oxidation** [RRHS+21]. **Photoacclimation** [MSD23, PFH21]. **photoautotrophic** [CKCB+23, KFHS24]. **photochemical** [MGL22]. **Photodegradation** [BKC20]. **photogrammetry** [ASL+24]. **photomineralization** [AKT+21]. **photon** [MSD23]. **photophysiology** [ADLW22]. **photoprotection** [ARPFGS23]. **photoreactive** [KLP23]. **photostable** [KLP23]. **Photosynthesis** [GKW+20, GKW+21, GF21, RGW+23]. **Photosynthesis-driven** [GKW+20, GKW+21]. **Photosynthetic** [SGSF20, BRHS20, EHC+22, FIH+20]. **photosynthetically** [PC21]. **phototrophic** [LABM20]. **phycobiliproteins** [WWFS21]. **phycosphere** [JHSG+24]. **phyllosomata** [BFCC+21]. **Physical** [MBB+20, BGM+22, HMB+20, KTH+21, KBL+20, LZG21, QRWT+22, SORGC+21]. **physico** [BC20]. **physicochemical** [FWvA+21]. **physicochemistry** [BCTH20]. **Physiological** [BHG+24, CT23, HDS+20, Wei24, BTT23, HDK+21, KTWGT20, WRHR22, dJGCS23]. **physiology** [MGC+20]. **phytodetritus** [LMS23]. **Phytoplankton** [HBG+22, PBC21, YAE+23, AVJ+24, ARPFGS23, AFK+22, BMG+23, BHG+24, BTT23, BMA+20, BHSL21, BDE+22, BK20, BBL+21, BAHH+20, CAV+22, CFC+20, CSM+23, CBD+23, FBR+23,

FBRG23, FDHS20, FWT+20, FBV23, FPB+23, GVF+23, GCW+23, GMS21, GK22, GZX+22, GAS+23, HLH+23, HANW21, HDK+21, HDD+22, HNS21, HZS21, HKM+20, HPP+21, HS21, IJSC20, IYW+22, JWAvD+22, KRB+21, KBL+20, LHS+20, LNC+23, LVZ21, LLBC20, LSDA21, MXL+21, MUGL20, MHD+22, MAG+22, MSJ21, NGSS23, PKKS20, PCC+23, QS21, QBJG21, SVC+22, SSH+22, SJJ+21, SGM+22, SSM+22a, SMD21, SGS22, SSB+22, TJW+22, VKB+22, VWR+23, WCZ+20, WCC20, WRA+23, YML+21, ZZHZ23, ZLW21b, vLWV+20, vdPAV+20, vdPMF+21].
phytoplankton-dominated [WCZ+20]. **phytoplankton-related** [TJW+22]. **Phytoplanktonic** [GRJ+22]. **Pico** [KPS21]. **Pico-** [KPS21]. **picocyanobacteria** [AHCJ+20, CBT+21]. **picoeukaryote** [RPKC22]. **picoeukaryotes** [EHC+22]. **picophytoplankton** [FM21, GSP+23]. **picoplankton** [BDL+21, DWW+21]. **pigment** [ARPFGS23, CSM+23]. **pigments** [CTF+21]. **Pine** [LCHB22]. **pinnacle** [GCMJ23]. **Placopecten** [CGR22]. **plain** [LTH21]. **Plains** [ETG21]. **Planktivorous** [LDB+20]. **Plankton** [FUUG+21, SBV+21, EG20, FGO+20, JSW+21, KKA22, OAM+22, PSNS22, SGL+23, SCM22, THS21, YWLY20]. **Planktonic** [IMB+22, ALH+21, CML23, EPR+24, FIM+22, Gil22, GSD+23, LLMM+23, LEB21, MMF+21, MDP+23, Wei24]. **Planktothrix** [SDS+23]. **planning** [YAP+22]. **Plant** [CZH+21, VJS+20, KHK+22, LCS+20, WHZ+21]. **Plant-mediated** [VJS+20]. **plants** [ZN20, ZLN21]. **plastic** [VGvdB+21]. **Plasticity** [LES+21, BCFI+22, BOC+21, NDP+24, PMF+21, RFB+22, WWGP21]. **plate** [JYA21]. **Plateau** [DLC+22, DAB+21, XTJW21]. **Plum** [LVHK20]. **plume** [CGC+21, SLZ+21b]. **plumes** [dCLO+23]. **point** [CBN21]. **points** [CBPNA22]. **polar** [KMM+22, KGG+23, LMSN23, MLG+20, STB22, vdPAV+20]. **polarized** [CZS+22]. **poleward** [CJB+21]. **pollen** [LCHB22]. **Pollicipes** [FJP+21]. **polygonal** [PLB+21]. **polymictic** [TKS+20]. **Pond** [VJH+22, DGTW21, QMG21]. **ponds** [FBP20, FW21, GCEM+23, LMM+21, PWS+20, PLB+21, RHA+23]. **pool** [CLC+22, KPNJ23]. **pools** [BHSG+20, LLTT+24]. **poppei** [MSGW+20]. **populated** [HPB+21]. **Population** [CÖL+20, CHA+24, DAB+21, FRRG+21, HPF+23, KOR+20, LNC+23, MVP+20, MSGW+20, WRMP22, ZLG+23]. **populations** [ASH+20, DMCW23, MUGL20, RBL+20, ZJ22a]. **Pore** [TEK+21, CSC+21]. **pore-water** [CSC+21]. **porewater** [KDZ+24, RST+21]. **porewaters** [DKPS23]. **Posidonia** [AAC+21, CB21b]. **position** [GLN+21, TRS+20, VGSB23]. **possess** [CCG+22]. **Potential** [DCJB22, DWW+21, HDK+21, HGMK22, XLN21, BSB+20, CYPRG+23, DAB+21, MMLPRHCG22, PWS+20, RvHF+20, SSEO21, TGE+21, VVMJ23, WM20, XWL+21, ZPK+22, ZLL+24]. **potentials** [RLL+21]. **Powell** [DSY20]. **powered** [MXL+21]. **Prairie** [RVS+22]. **precariousness** [SHBA22]. **precipitation** [AFH+22, DSY20, HM20, KAP+20, LN21, SSCE20]. **predation**

[BBM21, LAFV23, LWS+22, LDB+20, OFM+21, OLR+23, PSNS22, ZLG+23]. **Predator** [BMGK22, DCJB22, DFW+20, LEB21, LMSN23, MVP+20, MWV22, MPW+23]. **predators** [RS20]. **predatory** [DWR+23]. **predict** [FMT+20, GMI+21]. **predictability** [KKA22]. **Predicting** [BCTH20, BMR+21b, LM24, RPA+22, AVJ+24, TRS+20]. **prediction** [MSJ21]. **predictors** [MTP+23]. **Preferential** [CM21]. **Presence** [LBJS22, LM24, MK20]. **present** [EWGP22]. **present-day** [EWGP22]. **Preservation** [ZJW+22]. **pressure** [BBM21, DvOH+20, MSD23, SEG21, WBB+21]. **Prevalence** [KGG+23, DMCW23, RBL+20]. **previous** [CTM+21]. **previously** [KKP+21]. **prey** [DFW+20, HMBB21, LEB21, LMSN23, RTK23, SYMF21, WO21]. **primacy** [HS21]. **primary** [FNB+23, FSH+23, HEH+20, KTA+21, KBSA21, KPG+23, KVKS22, LD22, LSDA21, OLFH21, RHP+23, SB20, SSM+22a]. **Prince** [SBV+21]. **priority** [GGLH+22]. **pristine** [BPG+22, DBM+23, EJM+23, YvdHC+20]. **process** [ZZL+21]. **processes** [Ano21a, BD22, CM20b, GSG+17, HP20, MZXY22, NH22, PATL+23, QRWT+22, SSP+20, TJW+22, WPY+20]. **processing** [AVS+22, BND+23, DBB+21, HHK+22, LMM+21, ORE20]. **Prochlorococcus** [LGI+20, LES+21, LSCL21, RRAO+21, SHZ+21, TKA21]. **produce** [WPO+22]. **producers** [HEH+20, KVKS22]. **producing** [THT+20]. **Production** [CKH+21, LMS23, BMA+20, BBH+20, BGG+20, BD22, BH21, BV21, BBCA+21, CWF+22, CCFF21, CDA+20, DBFC24, FSM+21, FNB+23, FSS+23, FSH+23, FIH+20, GE22, GMI+21, GKW+20, GKW+21, HGMK22, HNS21, HBR+22, KTA+21, KBSA21, KSI24, KPG+23, KBvdD+20, KTWGT20, LLL+23, LEK+22, LMP+20, LDS+20, LTLH22, LDB+21, LSDA21, MCH+22, MLT+21, OLFH21, PDK+23, RHP+23, SPKM22, SJJ+21, SPLJA+20, SSM+22a, SSM21b, SMD21, TTC+22, TZF+22, WOT+23, YWZZ20]. **productive** [FBRG23, SGGB21]. **productivity** [ASH+20, CGL+21, GLAHH+23, MCH+21, MGGRR+21, SBV+21, WLSD21]. **products** [LSW+20a]. **profiles** [DWS+22, SJH20]. **profiling** [FIH+20]. **proglacial** [MKP+23]. **progressive** [SVBT20]. **projections** [CCA+21]. **prokaryotes** [BMG+23, CKCB+23, DWW+21, GLAHH+23, LBBM21]. **prokaryotic** [BAD+21, CDA+20, DVL+23, GE22, SML+21a, SORGC+21, SSS+24]. **Prolific** [ETMD23]. **prolonged** [LLC21, ZZHZ23]. **prominent** [YG23]. **promote** [CBB+22, DFJ22, EFC+23, KRB+21]. **promoted** [ZJW+22]. **promotes** [LTJ+20, vGDH+21]. **promoting** [GGS+21]. **prone** [FLH+23]. **pronounced** [MKD22]. **properties** [BMG+23, BHG+24, CBD+23, LD22, MRD+21, PSK21, SJR21, SB20, XSZ+21]. **Prorocentrum** [LZG21]. **protect** [RD23]. **Protein** [DNA+22, MK20, PYY+20]. **protein-coupled** [MK20]. **protist** [MNM+21, PYM+20]. **protistan** [SDSGR21]. **protists** [BO20, SWC+23]. **provide** [BVM+20, SSA+23]. **provinces**

[BGAD+22, SSH+22]. **proxies** [FSH+23, RWL+24]. **proximity** [MKP+23]. **proxy** [LPO+20]. **pseudofecal** [WSB+20]. **pseudogonyaulax** [BH21]. **pseudoharengus** [DFJ22]. **Psychrophilic** [SJR21]. **pueruli** [BFCC+21]. **pulex** [YWZ+21]. **pulsatile** [WSB+20]. **pulse** [KHHZ20]. **Pulsed** [WBB+21]. **Pulses** [NKH+23, BRCO21]. **pump** [CSC+21, DMS+21, DLL20, FWDY20, GBB+21, LG21, PFH21, PVSP+22, PJRV23]. **pumps** [GM22]. **purely** [LD22, SB22]. **putative** [CLD+23]. **pyrifera** [SBB+21].

quahog [MURK20]. **qualitative** [WMTJW22]. **quality** [ABS+21, DLC+22, DKPS23, FRRG+21, HSB+20, HZS21, LZM+21, MFM+21, MHL+20, PHB+22, PWS+20, RvHF+20, SSS+24, TSX+23, TPTS23, TCS21, VKK+21]. **Quantification** [CWF+22, ZR23]. **Quantifying** [CCFF21, LVZ21]. **Quantitative** [LN21]. **quantity** [ABS+21, BBH+20, DLC+22]. **quantum** [RKBT+23]. **Quasi** [LDB+21]. **Quasi-decadal** [LDB+21]. **Queen** [DLDF21]. **quenching** [CGB+21].

r} [CLGH23]. **Ra** [LvBS+22]. **radiata** [BRHS20, BS20]. **radiation** [PC21, YG23, ZFQ+20, vdPMF+21]. **radiatively** [AHF+22]. **radiocarbon** [HGA24, IFU+20]. **radiocesium** [TNK+22]. **Radiolaria** [MNM+21]. **radiolarians** [IKN+21]. **radium** [RST+21]. **radon** [ACW+22, RST+21]. **rain** [DBFC24]. **rainforest** [FBJ+23, SOT+20]. **range** [CJB+21, CEE+22, PYM+20]. **ranges** [LCS+20]. **Rapid** [CBC+22, PFH21, SLZ+21b, THL+21, BVGQN22, YWZ+21, ZLW+21a]. **Rapidly** [ZZCD23, DKBG21, LGQ+21]. **rate** [CGR22, HZM+21, LSL+20, LCZ+21, QBJG21]. **rates** [BAG+24, BWSW24, BVM+20, CWF+22, DGTW21, Edm21b, GR24, HMP+21, LLMM+23, LDGB+24, MSG+22, OLFH21, PKV20, RLP+20, RRAO+21, SBL+21, SSWM20, SMD21, TION23, TBH+22, ZQB+21, ZWM22]. **ratio** [FBK+22]. **ratios** [BV21, DWS+22, HMBB21, KMV+20, MDP+23, MRT+24]. **ray** [IKN+21]. **re** [SDS+23, WZCK20]. **re-examination** [WZCK20]. **re-oligotrophication** [SDS+23]. **reaches** [PGB24]. **reactivity** [GMI+21, MGL22]. **reactor** [CBF+23]. **really** [FPBG+22]. **realm** [FUUG+21, WKRL+23]. **receptor** [MK20]. **receptor-based** [MK20]. **Reciprocal** [FW21]. **recirculating** [BKMY21]. **Reconciling** [MHG+23]. **reconfiguration** [ZN20]. **Reconstructing** [KBSA21]. **reconstructions** [THT+20]. **record** [WRS+22, WOMWR20]. **recovering** [RFB+22]. **Recovery** [RWS+22, vHLV+20, BPG+22, DFJ22, GRJ20, GPB+20, KDW+23, MAP+22, RVS+22, SHBA22, WRWPG19, WPO+22, ZvBZ+20, Ano21c]. **Recruitment** [MKBSK19, Edm21a, FJP+21, OSR20]. **recurrence** [FR23]. **Recurrent** [SH22]. **Recycling** [HYPG+22, SKA+24]. **red** [CJB+21, EFP+21]. **redox** [CKCB+23, EBK+20, SGSD+22, SGK+21]. **redox-stratified** [CKCB+23]. **redoxcline** [HPNU20]. **reduce** [XWL+21]. **Reduced** [KFHS24, FNB+23, JOC+20, KDZ+24, ZXZ+23, DMCW23].

reduces [ALH+21, BRM+23, DSY20, OFM+21, QBJG21, SSM+22a]. **reducing** [SJR21]. **reduction** [CEW+21, DFJ22, KP20, RWS+22, SSM+21a, THL+21, dJGCS23]. **reduction-dependent** [KP20]. **reductions** [FBV23, TBH+22]. **reef** [BCFI+22, BBCA+21, CDW+24, CBC+22, Edm21b, EDC24, FKN21, GCMJ23, GTKW+20, GLB+22, HPCH24, HLS+22, KDW+23, LMS23, LBG+22, MCH+22, MSG+22, MHMML+22, MDIY23, SWZ+23, SSCE20]. **reefs** [FPBG+22, GCMJ23, OLFH21, RMH+22, SPKM22, VVMJ23, dOKC+21]. **reestablishes** [AMO20]. **Reference** [TMKB+22]. **Refining** [FSH+23]. **reflect** [HHMH22]. **reflectance** [LSW+20a]. **reflects** [CVF+20]. **refractory** [LLTT+24]. **refuges** [YAH+21]. **regardless** [CTM+21]. **Regeneration** [HKM+20]. **regime** [BTK+21, DMC+22, MWV22, RNW+23, SPHH22, TMKB+22]. **regimes** [BHA+22, CGGC+21, CGL+21, LGI+20, MCH+21, SSL22, VCBB20, WCZ+20]. **Region** [LDGB+24, FUUG+21, KLO23, MFM+21]. **Region-specific** [LDGB+24]. **Regional** [LRRP20, GRJ20, HDK+21, KSF+23, RTM+20, SMKS22]. **regional-scale** [SMKS22]. **regionally** [SJJ+21]. **regions** [ASH+20, NCC+21, SML+21a]. **regularity** [SGM+22]. **regulates** [BGM+21, JHSG+24, MUGL20, THVJ23, YPF+23]. **regulating** [SOSN23]. **regulation** [BAHH+20, DK20, GLN+21, HP20]. **regulatory** [TMKB+22]. **related** [BSGA21, LDB+21, PYY+20, TJW+22]. **relation** [DNB+20, WRC+21]. **relationship** [BCA+20, FPBG+22, KMV+20]. **Relationships** [QFM+21, BMA+20, BM22, GGHBS+20, KPL+20, LEB21, MNM+21, QS21, SDL22, SZA+21, TRS+20, YJ20, ZZWL22]. **Relative** [LLBC20, SSH+22, GCW+23, QMG21]. **relatively** [GVF+23]. **relaxation** [REF+21]. **release** [AJMG21, BMCS23, CLGH23, HP20, KPM+20, KRM+20, LHS+21, RS20, XWL+21]. **Relevance** [SPBK21, CPB+21]. **reliable** [PPB+21]. **relieves** [DCK+22]. **Remarkably** [EFP+21]. **remote** [LSW+20a, VVMJ23]. **Removal** [MLS+21, SGL+23]. **reoxidation** [ETMD23]. **reoxygenation** [RWS+22]. **repeated** [CBT+21]. **replacement** [KMV+20]. **replete** [CM21]. **Reply** [CSH21, MBD+23, SB22]. **represent** [HSD+20]. **Reproducing** [TVB+21]. **reproduction** [MMKWZ22, MGP+21]. **reproductive** [BRB+22]. **require** [WRA+23]. **requires** [KHCG+22]. **Research** [MKBSK19]. **reservoir** [AWGV20, BBH+20, CB21a, ILPL20, LHD+20, PBGGRB21]. **reservoirs** [BJG+22, CCY+21, CM20a, LPMBR23]. **residence** [EAF+22, LvBS+22, RCMA21, SDL22]. **resident** [LBJS22]. **Resilience** [CAV+22, BLS+22, BBMD20, DP22, GGS+21, MHD+22, RMH+22, RBD22, RPKC22, SPHH22, TKM+22, ZvBZ+20, dSNIB22]. **resilient** [WCH+21]. **resistance** [TKM+22, YvdHC+20, vHHP+21]. **resolution** [BCWS23, PHB+22, ZZO+21]. **resolve** [GSD+23]. **resolved** [GNO22]. **Resolving** [BPIBN20, SMW+21]. **Resource**

[LHS+20, FBJ+23, FDHS20, GZX+22, MHL+20, VCT+23]. **respect** [LBvE23]. **Respiration** [BHA+22, SEG21, BWSW24, BV21, BVM+20, CGR22, FUUG+21, HCS+21, MHG+23, MSG+22, NKH+23, PBC21, RHP+23, SMCS23, SDB+23, SSM+22a, WMRL22]. **respired** [HGA24]. **respond** [BWSW24, CTP21]. **responding** [MSD23]. **Response** [AAC+21, CZK+23, FBR+23, LWC+24, MLG+20, PRS+20, SLZ+21a, TSX+23, YJB+20, ABC+21, BTT23, BJK+21, BRHS20, BK20, BPG+22, CT23, CMB+21, CBT+21, DCF+22, DKBG21, GRJ+22, GK22, HXL+21, HLS+22, ILPL20, JHS+21, JLR+22, KX22, LVHK20, LCM+22, LTH21, MAP+22, PC21, SGL+23, SDS+23, TNK+22, WWFS21, XYL+23, YAE+23, ZZWL22, ZSZ+21, dSNIB22]. **Responses** [MXL+21, MY23, CHAA21, DKW+21, FM21, GFG+22, HDS+20, JWAvD+22, KL22, LLSQ24, MLP+21a, MHD+22, MAG+22, NEB+22, Phi20, Phi21, PW22, RMH+22, TBH+22, TMS+21, VGvdB+21, WPO+22, ZZHZ23, ZJ22a, ZJ22b, ZLW21b]. **Resting** [ZLG+23]. **restoration** [AMO20, HLS+22, LAB+22]. **restructuring** [HFL+20]. **result** [CLC+22]. **Results** [MKBSK19]. **Resurrection** [ZJ22b]. **resuspension** [CGD22, MDBI20, MCS+23]. **retain** [LDG+21]. **retention** [GFG+22, GPDA+20, SDL22, VMT+20]. **Rethinking** [YJ20]. **retreat** [BJK+21, NB23, SJJ+21]. **retrieval** [SSB+22]. **retrieved** [RCS+20]. **Return** [FHMK20, MLG+20]. **reveal** [BRB+22, CLW+21, DHNH22, HS21, LABM20, MVP+20, MSB+20, PMF+21, RPKC22, WWGP21, ZSZ+21]. **revealed** [BO20, DLL20, EST+24, GLN+20, KAC+23, LVDM22, LGI+20, Lem20, MT23, MCYR20, RWMP+23, SIP21, ST22, TION23, VLP+21, ZSD+20]. **reveals** [ASL+24, BRCO21, BKMY21, CGGC+21, FR23, HPF+23, HHK+22, MKD22, Roy20, TRS+20, VMP+21, ZJ22b]. **reversals** [LDG+21]. **reverse** [ZJ22a]. **review** [BR22, CBPNA22, MA21, SHPW22]. **Rhizaria** [BO20, IKN+21, LLMM+23, MNM+21, MLT+21]. **rhizosphere** [EJM+23, HZZ+20]. **ria** [NSK+21]. **rich** [LPO+20, LAMG+22, TKW+23]. **richness** [RBL+20]. **Riemann** [MBD+23]. **riparian** [FW21]. **Rise** [MWV22, FNB+23, LVHK20, LRM21, QMG21, YLT+20, ZvBZ+20]. **rising** [IOS24, NB23]. **risk** [LAFV23, Roy20, ZLG+23]. **River** [DSY20, LTH21, MGI+22, YGD+21, ZPK+22, AWB+23, BMLV24, CBHB21, CCY+21, CGC+21, CHS+20, CVF+20, DMC+22, DBM+23, DKPS23, EST+24, FXD+22, IOS24, KHHZ20, LHMR23, MGL22, MHL+20, QS21, RHP+23, SML21b, SLZ+21b, TUR+20, WPY+20, ZYZ+21, CM21, GBHF21, LXC+21b, PCN22, Roy20, SMNT22, TMSL22]. **river-bay** [WPY+20]. **river-dominated** [DKPS23, QS21]. **river-influenced** [FXD+22]. **Riverine** [IYW+22, HLKD23, KRB+21, PBGGRB21, RMW+21, RD23, YGD+21]. **rivers** [AFH+21, BHA+22, GEHD20, MBH+23, MA21, NSK+21, PHB+22, RHP+23, SMG+22, ZQB+21]. **rK}y** [CLGH23]. **Rn** [ACW+22]. **robotic** [GLN+20]. **rock** [KPNJ23, ZPK+22]. **rockweeds** [DP22]. **rocky** [DP22, GTKW+20, VMT+24]. **Role** [AVS+22, GGS+21, GRJ20, LNC+23, MDBI20, MLT+21, YLT+20, AKT+21, DCJB22, EBW+20, EBK+20, HLPT20, HGMK22, HMB+22, KRB+21,

KdED+20, KNG+23, LLMM+23, LZG21, MEQBV20, SPLJA+20, TGE+21, WLK+21, YGD+21, ZSZ+22, ZXZ+23, dOKC+21]. **roles** [CSB22, HDK+21]. **rolling** [ALG+23]. **Roseg** [PSE+20]. **rotating** [SEG21]. **rotationally** [REF+21]. **rotifers** [Gil22]. **Rottnest** [MVBG20]. **roughness** [YPF+23]. **rRNA** [DLL20]. **RS19** [KMM+22]. **rubble** [KDW+23]. **rubescens** [SDS+23]. **runoff** [FBJ+23, HSP+20, LLC+23].

S [DLL20, BSGA21, HZC+24, RvHF+20]. **Sahara** [NEB+22]. **Saharan** [BFE+20]. **saline** [IÁSNCR21, SSP+20]. **salinity** [ETG21, GR24, IMB+22, LSC+21, OBL20]. **salinity-alkalinity** [IMB+22]. **salinizing** [ZZCD23]. **salmon** [ASH+20, FBJ+23, KHB22]. **salps** [SDSGR21]. **Salt** [YJB+20, BVM+20, DSY20, EJM+23, GBMKJ22, KBB+22, LVHK20, LGF22, MKM+23, OJUN23, SWK+23, TEK+21, WLK+21, XWL+21, YLT+20, ZZCD23]. **salt-wedge** [WLK+21]. **saltmarsh** [HGA24, LDGB+24, LCS+20, WPO+22, YXC+22, ZZL+21, ZvBZ+20]. **sampled** [IMB+22, PYM+20]. **samples** [GWS+21, KSR20]. **sampling** [BRCO21, RWT+21]. **San** [BM22, BMB22, GNO22]. **sandy** [KPM+20, WAPC20, vEMF+20]. **Sanriku** [NSK+21]. **Sargasso** [LPO+20, LSS+24]. **save** [DMCW23]. **scale** [ASL+24, BMA+20, BGAD+22, DAN+22, DMM+21, DFW+20, EWF22, GBC+20, GSD+23, GLB+22, KPNJ23, MACC24, MSGW+20, MHdS+21, MGI+22, OYM+20, PATL+23, SH22, SMKS22, WO21]. **scales** [AH20, AHF+22, BRB+22, CESS21, FBR+23, LM24, MCH+21, PYM+20, RTM+20]. **Scaling** [CGC+21]. **Scallop** [TJW+22, CGR22, FSH+23]. **Scandinavia** [LDGB+23, LDGB+24]. **scattering** [KSR20]. **scavenging** [YPF+23]. **scenario** [AAC+21]. **scenarios** [HEH+20, JHS+21]. **sclerochronology** [MMLPRHCG22]. **Scotia** [DLL20]. **Sea** [TMS+21, AGC+21, BSGA21, BMR+21a, BMLV24, CLW+21, CHAA21, DNB+20, FNB+23, FXD+22, GVF+23, HMM+22, JHvL+23, LLL+23, LAFV23, LVHK20, LRM21, MZXY22, MY23, MBLA+21, MKBSK19, MLG+20, OSR20, OBB+20, PCN22, PGN+21, QMG21, SH22, SIP21, TMKB+22, VCT+23, WHAR+20, WOMWR20, WXK+22, WDG+21, YLT+20, ZSD+20, ZXE+23, ZvBZ+20, CGRGP+21, CGR22, CBB+22, CDA+20, CCDM21, DNB+20, DGW+21, DLL20, EFP+21, GLM+23, HDD+22, HPNU20, KPL+20, LCHB22, LTJ+20, LPO+20, LNC+23, LSS+24, NvBE+21, RHS+22, RvHF+20, RSH+20, RBR+23, SORGC+21, SGSD+22, TMKB+22, ZZO+21, vHLV+20]. **Sea-ice** [TMS+21, MLG+20, VCT+23]. **sea-level** [FNB+23, YLT+20]. **seabed** [CBF+23, SHPW22, TPTS23]. **seabird** [CDW+24]. **seabird-derived** [CDW+24]. **seafloor** [GPDA+20]. **Seagrass** [AMO20, AAC+21, AHCF22, BBMD20, HHMH22, JvKvT+20, JHBB22, KHK+22, LLTT+24, MRH+23, RLP+20, RS21, SVMM+22, SN22, VLP+21, YvdHC+20, ZWM22, dSNIB22]. **seagrass-dominated** [JvKvT+20]. **seagrasses** [LSW+20b, THVJ23]. **seals** [KTH+21]. **seas** [BND+23, LCZ+21, YWZZ20, MLL+21]. **seascape** [PVSP+22, SHPW22]. **Season** [WWB+20, GNO22, SZA+21, SSR+23].

season-dependent [GNO22]. **Seasonal** [AAB+22, ACA+22, CCB+20, CMCC24, CGL+21, CP22, DLDF21, GPK+21, HABL+21, LZG21, LSS+24, MMF+21, PLB+21, RWMP+23, RBSB22, SPR22, SSCE20, ZWM22, AWGV20, AJMG21, HBG+22, HSP+20, IÁSNCR21, JLW+23, KWS+21, LVZ21, MLK+22, MGGRR+21, NGSS23, RHM+21, SKB+22, SCT+21, SGS22, TKS+20, VCBB20, XYL+23, vdPMF+21]. **Seasonality** [CCFF21, CCDM21, LRNG24, MK21, RPKC22, MKD22]. **Seasonally** [BM22, CVF+20, LXC+21b, MLK+22, PJRV23, SSM+22b, THVJ23]. **Seasons** [HCNO+20, GCW+23, JHBB22, SML21b]. **seawater** [Edm21a, KSR20, MAD+22, NTJ+20, SOSN23, YPF+23, YWZZ20]. **seaweed** [WWB+20]. **seaweeds** [RHM+21]. **secondary** [BD22, CCFF21, DBFC24, FSM+21, LEK+22, ZZL+21]. **Secretion** [HVMS+21]. **sector** [YAH+21]. **Sediment** [CEE+22, HZZ+20, MP23, PGB24, SVMM+22, AJMG21, BBH+20, BBCA+21, CGD22, DLDF21, GWS+21, GMI+21, HBS+22, HMM+22, HLKD23, HHMH22, HLPT20, HNS21, HMB+20, JLMW21, LVHK20, LNR+20, LTH21, MDBI20, MIR+22, MCS+23, MWHR+22, OYM+20, PATL+23, PSK21, RWL+24, SMCS23, YLT+20, ZTT23, ZSF+23, ZWM22, dSNIB22, vHHP+22]. **sediment-deficient** [LVHK20]. **Sedimentary** [SLHL+22, HLPT20, LLK+22, LL23, RBR+23, SGA+22, SGGB21, TKS+20]. **sedimentation** [HZM+21, LLC21, RNW+23, SVBT20]. **sediments** [AGC+21, BAG+24, BJK+21, BVM+20, CBB+22, CHP+24, CBF+23, DGTW21, DLC+22, FXD+22, HPB+21, HBR+22, KBB+22, LDGB+23, MHG+23, NKH+23, ORE20, OGD20, PYM+20, RvHF+20, RLP+20, RWS+22, RCS+20, SSM+21a, SJR21, SSEO21, SSCE20, SZY+20, THL+21, XLN21]. **seed** [ZZL+21, ZSZ+22]. **seedling** [vHHP+22]. **seedlings** [OJUN23, SRN+21]. **seepage** [BKMY21, LBG+22]. **seeps** [AGC+21, GPK+21]. **seiche** [NH22]. **seiches** [BMS+22]. **select** [LPO+20]. **selection** [MTB+21, RTK23]. **Selective** [FLW+21, HMBB21, KHSP21]. **semi** [BKC20, WCC20, XYL+23]. **semi-enclosed** [XYL+23]. **semi-labile** [BKC20, WCC20]. **semianalytically** [LSW+20a]. **senescence** [ZWM22]. **sense** [ZLG+23]. **sensing** [LSW+20a, SMF20]. **sensitive** [BJS+23b, FLH+23, HZM+21]. **sensitivities** [LSCL21]. **sensitivity** [CLW+21, CCFF21]. **sensor** [BCWS23, SSM+22a]. **sensor-based** [BCWS23]. **sensory** [RS20]. **separation** [LTJ+20, MCYR20, NH23]. **September** [TNK+22]. **sequencing** [BBGM20, DLL20, WZCK20]. **sequestration** [FXD+22, GBMKJ22, JHSG+24, LDGB+24, PYY+20, SHS+22, XWL+21, YXC+22]. **series** [BHA+22, CBN21, FHMK20, FR23, FIH+20, GWS+21, HRK+22, LABM20, MKD22, SGM+22, TRS+20, WDG+21]. **services** [OBB+20]. **setae** [SMF20, SYMF21]. **settings** [BDE+22, CEE+22]. **settlement** [MURK20, OSR20]. **settling** [ABS+21, EAF+22]. **setup** [REF+21]. **severity** [CTF+21]. **sexual** [MGP+21]. **Shallow** [BSIdG23, BMR+21b, BOC+21, CB21a, FBV23, HBS+22, HZZ+20, JOC+20,

LMS23, LBG+22, LZM+21, LAMG+22, PSK21, RFB+22, RHA+23, RLL+21, RS21, SPBK21, SSCE20, SWS+22, TBH+22, TKM+22, WCZ+20]. **shallow-lake** [LZM+21]. **shallow-water** [LBG+22, SWS+22]. **shape** [CEE+22, FWvA+21, FBRG23, GGR24, KVKS22, SGM+22, TKM+22, ZLIP20]. **shapes** [RBAC+20]. **shaping** [EBK+20, LNC+23, ZSZ+22]. **share** [MRD+21]. **sharks** [PRS+20]. **Sharp** [BHSG+20]. **shelf** [CHP+24, CBF+23, CHAA21, FBRG23, GPDA+20, GPK+21, HJWP24, KTH+21, KPS21, LvBS+22, QRWT+22, SLJ+22, WRC+21, ZLU+20, MMF+21]. **shell** [GPB+20, MDWT+22]. **shells** [FSH+23, TJW+22, WOMWR20]. **sheltering** [ZN20]. **Shen** [LD22]. **Shield** [GB21, GB23]. **Shift** [MLP21b, AFH+22, BTK+21, BHSL21, GBO+20, RGP+22]. **shifted** [MPW+23]. **Shifting** [DAN+22, ZZHZ23]. **shifts** [AH20, CHA+24, DMC+22, GPK+21, HLH+23, MWV22, MKL+24, RNW+23, RVvB+23, RS21, SPHH22, TMKB+22, WCZ+20, BWV+20]. **shipboard** [BBA+23]. **shipwrecks** [HMM+22]. **shore** [FGO+20, GLN+20, GLN+21, GTKW+20]. **shores** [DP22]. **Shoreward** [KTH+21]. **Shoring** [BV21]. **Short** [RTK23, LRNG24, ORE20, TMS+21]. **short-term** [LRNG24, ORE20, TMS+21]. **shortages** [LMSN23]. **show** [KFHS24]. **shows** [JLW+23, OLR+23]. **shredders** [FRRG+21]. **shrimp** [HBY+22]. **shunts** [GM22]. **Siberia** [HABL+21, SLHL+22]. **sick** [ONH+20]. **side** [MWHR+22]. **side-by-side** [MWHR+22]. **Siderophore** [PDK+23]. **Sierra** [CM20a]. **signaling** [BMGK22, MK20]. **signals** [ZLG+23]. **signature** [LHGJ21]. **signatures** [TZF+22]. **Significant** [RVvB+23, GSD+23, MTP+23, RNW+23, WF22, YML+21, ZXE+23]. **significantly** [RWL+24]. **Signy** [MSGW+20]. **silica** [IKN+21, MLT+21, RWL+24, Roy20, XSZ+21, ZBNH+21]. **silicon** [LLMM+23, LAMG+22, MBLA+21, WSLC22, ZSD+20]. **silled** [HJWP24]. **similar** [CTP21, CCG+22, HMB+20, LTJ+20, SVMM+22, VWR+23]. **Simple** [SDL22, ZLN21]. **simple-wave** [ZLN21]. **Simulated** [JHBB22, GRJ+22, JHSG+24, MLG+20, SBL+21]. **simulations** [BGAD+22]. **simultaneous** [THL+21]. **Single** [KSN+21]. **sink** [AFH+22, PUH+23, RTM+21]. **sinking** [ALG+23, CKH+21, CBN21, DKBG21, DLL20, JLS+20, LCMG+20, LG21, SAD+20, HCB+22]. **sinks** [GMNG+24, SGGB21]. **site** [OFM+21, TCP+22]. **site-specific** [TCP+22]. **sites** [MSG+22]. **situ** [BO20, BBGM20, DHNH22, GPB+20, GSD+23, MHMML+22, MCYR20, SSM+22a, VMP+21, WLSD21]. **Size** [BJS23a, BMLV24, JSW+21, KSF+23, SDSGR21, AMC21, ALH+21, CHAA21, CHA+24, FGP22, GNO22, HBG+22, KSR20, LSL+20, LHS+20, LXC+21b, LDB+20, LHMR23, MGI+22, PMRG20, WOK+21, dJGCS23]. **size-** [GNO22]. **Size-dependent** [BMLV24]. **size-fractionated** [KSR20, LXC+21b]. **Size-independent** [JSW+21]. **Size-specific** [SDSGR21]. **skeleton** [CDW+24]. **Slope** [SMP21]. **sloping** [NH23]. **Slow** [KBB+22]. **Small** [SWC+23, AH20, BCWS23, CM20b, Edm21b, EWF22, GB21, GB23, IJSC20, KSF+23, MBA+21, MSGW+20, MLT+21, OYM+20,

PCJ+21, PRS+20, PSK21, WF22]. **small-scale** [EWF22, MSGW+20, OYM+20]. **smaller** [MN20, RHP+23]. **snow** [DBFC24, KFHS24, SGL+23, SEG21]. **snowpack** [PFB+22]. **sockeye** [ASH+20]. **soft** [FPBG+22]. **soil** [PYY+20, VJS+20, ZJW+22]. **soils** [HGA24, LDGB+24, PNT+21]. **Solar** [vdPMF+21]. **soluble** [LMS+21]. **sorption** [PNT+21]. **soundscapes** [CLW+21]. **Source** [SCB+20, AFH+21, AFH+22, BBH+20, BHA+22, BOC+21, DBFC24, DKPS23, HSD+20, IFU+20, LCHB22, PUH+23, RTM+21, STB22, VST+22]. **source-specific** [BHA+22]. **source/sink** [RTM+21]. **sources** [AHCF22, BND+23, BSF+21, BCL+22, CSD+24, GMNG+24, KRC23, KLG+23, LZD+23, MV22a, MV22b, MTB+21, MHL+20, MCS+23, PMJ+21, SSS+24, WLK+21]. **South** [MSGW+20, SMW+21, AHCJ+20, GRJ+22, JLS+20, WPY+20]. **Southeast** [LL23]. **Southern** [XYL+23, YAP+22, DAB+21, LDGB+23, LDGB+24, NvBE+21, BRCO21, BDE+22, BBA+23, CGL+21, GRJ+22, HCB+22, IJSC20, LMC+21, LWvdM+21, MT23, MSB+22, MPW+23, MLT+21, MGC+20, RKBT+23, YSHS23]. **Southwest** [ZZWL22]. **sp** [DFW+20, GTKW+20, vGDH+21]. **space** [FWvA+21, FMT+20, LHD+20, MO23]. **space-for-time** [FMT+20, MO23]. **Spain** [TZF+22]. **spanwise** [JYA21]. **Spatial** [BBH+20, DvOH+20, KHSP21, LBBM21, MHdS+21, NB20, RHA+23, RWT+21, RKBT+23, SML+21a, SMNT22, WRWPG19, WZCK20, AHF+22, BR22, BRB+22, CGRGP+21, CBHB21, CCB+20, CMCC24, FBR+23, GCW+23, HMP+21, HZC+24, KBL+20, LM24, LAFV23, LGI+20, MLK+22, MKP+23, PYM+20, Roy20, SORGC+21, SCC+21, YAP+22, ZBNH+21, Ano21c]. **spatially** [MOW+22]. **Spatio** [LSC+21, AH20]. **Spatio-temporal** [LSC+21, AH20]. **Spatiotemporal** [Edm21a, GZX+22, MHP+23, CHS+20, FKN21, GCEM+23, IJSC20, MCH+21, OSR20, PSK21, SPBK21]. **Spawning** [OFM+21, OLR+23, SRV+20]. **specialists** [MZW+21]. **speciation** [BCA+20, RBR+23]. **Species** [CSB22, BTT23, BRB+20, BRB+22, CCG+22, EWF22, FRRG+21, GMS21, GBB+21, HANW21, HDD+22, IKN+21, LBJS22, LTJ+20, MVP+20, MN20, NB23, SVMM+22, SRN+21, SYT+21, VGvdB+21, VJS+20, WWGP21, WNHY21, vHHP+21, vHHP+22]. **Species-specific** [CSB22, IKN+21, WWGP21]. **specific** [BHA+22, BBCA+21, CSB22, DMS+21, IKN+21, LDGB+24, OLFH21, SDSGR21, TCP+22, WWGP21, vdPAV+20]. **specificity** [KSN+21]. **spectra** [ALH+21, SSB+22]. **Spectral** [TPTS23, HZS21, LLBC20]. **sphaericus** [WNHY21]. **spiny** [BFCC+21]. **Spitsbergen** [vdPMF+21]. **Sponge** [LAMG+22, LMP+20, LMS23, MBLA+21]. **Sponges** [HSD+20, BMR+21a, HOB+22, MSL21, MCYR20, MDIY23]. **Spread** [TNK+22]. **spring** [ACA+22, AFK+22, BAHH+20, CGRGP+21, CM20b, FBRG23, KPG+23, MLC+21, PW22, REF+21, SIP21, VCT+23, YWLY20, vdPAV+20]. **Springtime** [JWAvD+22]. **sprinkling** [LCHB22]. **squid** [PMRG20].

Stability [MDDL22, BOC+21, LMS+21, SSP+20, VKGW22, WMTJW22, ZTT23, dCLO+23]. **Stable** [GAS+23, HFL+20, WRS+22, CDH+21, EST+24, HZC+24, IFU+20, KLG+23, LVDM22, MLP+21a, SWS+22, TMM+20, WAPC20]. **stage** [BFCC+21]. **stages** [OFM+21]. **stalked** [FJP+21]. **state** [DMC+22, RNW+23, RVvB+23, RGP+22, SH22, SWOR20, SSWM20, TMKB+22]. **states** [BSIdG23, TBH+22, BCTH20, CCA+21, DRA+23, FBK+22, GGR24]. **Station** [NCC+21, CBN21, SBM+21]. **status** [THVJ23]. **stilling** [JOC+20, SGM+21]. **stimulates** [BVM+20, RGW+23]. **stingrays** [CSB22]. **Stockholm** [vHLV+20]. **stocks** [CEE+22, HMP+21, LDGB+24, SVMM+22]. **Stoichiometric** [FDHS20, MSJ21, KTA+21]. **Stoichiometry** [Roy20, DTPV21, FBV23, FPB+23, LG21, MV22a, MV22b, STB22, SML21b, VKB+22, WOT+23, WWFS21, ZLS+21]. **Stokes** [FGO+20, LCMG+20]. **stony** [FPBG+22]. **storage** [BRM+23, LRNG24, MRH+23]. **stores** [MKM+23]. **storm** [DAD+21, KX22, WTvD+22, vHHP+21]. **storm-induced** [DAD+21, WTvD+22]. **storms** [LRM21, TKM+22]. **strains** [HDS+20]. **stranded** [RHM+21]. **Strategies** [FRRG+21, BDL+21, CZH+21, DFJ22, HXL+21, RCH+20, WTvD+22, WRHR22]. **strategists** [CLGH23]. **strategy** [LZG21]. **Stratification** [DMM+21, KX22, XTL+20, MO23, PMD+23, PW22, SSP+20, SGM+21, YWLY20, YJB+20]. **stratified** [ACA+22, Ano21a, CYPRG+23, CKCB+23, EAF+22, GSG+17, LVDM22, LSW+20a, MAG+22, SBW21]. **Stream** [BCL+22, SDB+23, BWB+22, CGGC+21, CZK+23, DPB+23, FAB+20, FMT+20, IFU+20, LHL+21, MACC24, MKP+23, MHSL22, MGI+22, PSE+20, RGP+22, RVS+22, SBB20]. **streambed** [RBAC+20]. **streams** [AFH+21, ARBvS+21, BHR+23, BHSL21, BCL+22, BKC20, BRM+23, BRB+22, CTF+21, DRA+23, FBJ+23, LLC21, MA21, MGGRR+21, RSLW23, RWT+21, RRHS+21, RHP+23, RBSB22, SPR22, TKW+23, WK21]. **strength** [DMM+21, WWB+20]. **stress** [ALH+21, EFP+21, FLH+23, LRdGFP23, MRT+24, WWB+20]. **stressed** [BWV+20]. **stressors** [ABC+21, HHMH22]. **Strong** [BLS20, GCMJ23, SJJ+21, AH20, KTA+21, LMM+21, MSGW+20, WXK+22]. **stronger** [BZK+22]. **strongly** [LRNG24, RGW+23]. **Structural** [KHHZ20]. **Structure** [LNR+20, BGM+22, BR22, CCFF21, CGD22, DBFC24, FWvA+21, FKN21, GSP+23, GGHBS+20, IJSC20, LWS+22, LHS+20, LDB+20, MMF+21, MSGW+20, MDDL22, PFB+22, PSNS22, RPKC22, SGM+22, TMKB+22, WRC+21, WCZ+20, YvdHC+20, YAP+22]. **structures** [ASL+24, FHR+21, KTH+21]. **structuring** [SORGC+21]. **studies** [CBPNA22, KSF+23]. **study** [BBMD20, CZH+21, CB21a, HKM+20, JLMW21, KRM+20, LBvE23, LTJ+20, MAG+22, MCYR20, PHM21, SWOR20, WTvD+22, CBN21]. **sub** [BJK+21]. **sub-Antarctic** [BJK+21]. **subalpine** [SEK20]. **subantarctic** [HCB+22, SBV+21]. **Subarctic** [HDK+21, BGG+20, CBS+21, DBFC24, MTP+23, MDDL22, MMG+21,

MK21, PCJ+21, PPB+21, SWC+23, SSM21b, TION23, VKK+21, WOK+21].
subecotypes [TKA21]. **subglacial** [MP23]. **subject** [KWB21]. **Submarine** [RTM+21, FKN21, IÁSNCR21, KRM+20, LNR+20, WLK+21]. **submerged** [GCMJ23, HGMK22]. **Submesoscale** [FWvA+21]. **subpolar** [WF22]. **subpopulation** [DCJB22]. **subsidies** [EST+24, EFC+23, FW21]. **Subsidized** [BWV+20]. **substantially** [CKCB+23]. **substitution** [FMT+20, KMM+22, MDP+23]. **substrate** [CLC+22, MKBSK19, dOKC+21]. **substrates** [DWW+21, HP20, MHMML+22]. **Subsurface** [KWB21, GLN+20, SSH+22, SLJ+22]. **subterranean** [BPL22, WAPC20]. **subtidal** [SSEO21, SPKM22, SMKS22]. **Subtle** [LGI+20]. **Subtropical** [HYPG+22, RPKC22, TKA21, ZBNH+21, BAD+21, CKH+21, FIH+20, GLAHH+23, HZZ+20, LSCL21, MZW+21, SGS22, VLP+21, WPY+20, YMSH20, YOXC23, YAE+23, ZLU+20]. **Successful** [SBH23]. **succession** [ACE+22, CLGH23, LVZ21, NGSS23, PWS+20]. **Successional** [THT+20, BFE+20, vHHP+21]. **successive** [MWV22]. **succumb** [FLH+23]. **sudden** [ZZL+21]. **sugars** [GAS+23]. **suggest** [PKV20, WF22]. **suggests** [DAB+21]. **suitable** [GPDA+20]. **Sulfate** [MWHR+22, SSM+21a, KWS+21, PUH+23, SJR21, SZY+20, THL+21]. **Sulfate-** [MWHR+22]. **sulfate-dependent** [SZY+20]. **sulfate-enriched** [KWS+21]. **sulfate-reducing** [SJR21]. **sulfated** [HVMS+21]. **sulfide** [MT23, THL+21, XYZ+21]. **Sulfolipid** [MDP+23]. **Sulfur** [CCK+21, ORRMD+21, HDK+21, LWC+24, MZXY22, MY23, PUH+23, THL+21]. **Summer** [DCF+22, PFB+22, ACA+22, DMM+21, JHvL+23, KCT23, LWC+24, LNC+23, MBH+23, MAG+22, PW22, PGN+21, SBM+21, SHE+21, VJH+22, ZLW21b]. **summertime** [RHA+23, SLJ+22]. **Superior** [PUH+23, SRL+20]. **superoxide** [AFM23]. **supersaturated** [LSW+20b]. **supersaturation** [CM20a, SBW+20]. **supervised** [SCC+21]. **supplements** [LRdGFP23]. **Supply** [SCT+21, GMI+21, LLC+23, LL23, MFGF+22]. **Supply-controlled** [SCT+21]. **support** [LAB+22, SWC+23]. **supported** [SZY+20]. **supporting** [HMB+22]. **supports** [FSM+21, MK20, SPLJA+20, SBW+20]. **Surface** [GLAHH+23, BM22, CCB+20, DNB+20, JLS+20, KMV+20, KTH+21, MCS+23, PATL+23, SIP21, TCP+22, WDG+21, YPF+23, ZZO+21]. **surficial** [ZPK+22]. **surrounding** [AGC+21]. **surroundings** [RNW+23]. **surveillance** [ARB+22]. **survey** [DMM+21, MVP+20]. **surveys** [ACW+22, LDG+21]. **Survival** [SRN+21, CGR22, HSP+20, KHB22, RVBP23, vdPAV+20]. **survive** [WRA+23]. **susceptibility** [SIP21]. **suspended** [DWS+22, DLL20, JLS+20, SAD+20]. **suspension** [RTK23]. **sustained** [CCC+21]. **sustaining** [YLT+20]. **sustains** [BVL+23, MBLA+21]. **Svalbard** [JLMW21]. **swimming** [CLT+22]. **Switzerland** [PSE+20]. **Symbiodiniaceae** [RCH+20]. **symbiont** [MSD23]. **symbionts** [BCFI+22]. **symbiosis** [WWGP21]. **Symbiotic** [FPBG+22]. **sympatric**

[CSB22, WRMP22]. **sympatry** [CBS+21, PPB+21]. **symptoms** [GÖA+23]. **Syn** [HCNO+20]. **Synchronized** [BRCO21]. **synchronous** [FR23, MRD+21]. **synchrony** [BVGQN22, DPB+23]. **Synechococcus** [LSCL21, WSLC22, ZLW+21a]. **Synergistic** [LZM+21]. **synthesis** [AWB+23, MA21, MGWS23, WRA+23]. **syntopy** [BRB+22]. **system** [FIH+20, KX22, KHCG+22, RMW+21, SWZ+23, VKGW22, WPY+20, ZLU+20, ZJW+22, dMKB+20, ACE+22, CMB+21]. **system-wide** [KHCG+22]. **Systematic** [BGG+20]. **systematically** [PKV20]. **systems** [HEH+20, HMB+20, KTA+21, KSF+23, LABM20, QS21, SBH23].

Tackling [CDH+21]. **tadpole** [BWB+22]. **Taihu** [XMP+21, GZX+22, XDQ+22]. **tailings** [LMS+21]. **Taiwan** [LHS+20]. **tank** [ALG+23, SEG21]. **target** [BMGK22]. **Tasmania** [LWvdM+21]. **taurine** [CDA+20]. **taxa** [OMM21]. **Taxon** [OLFH21, vdPAV+20, GCEM+23]. **Taxon-specific** [OLFH21, vdPAV+20]. **taxonomic** [GWS+21, HNS21, PGEB22, SRM23, vdPMF+21]. **techniques** [OAM+22]. **Temperate** [MWV22, AFH+21, AFH+22, AHCF22, CTM+21, CÖL+20, DCJB22, DdEM+23, FBJ+23, FR23, GWS+21, HBS+22, HEH+20, HSV22, KHB22, LAD+22, LHMR23, MTP+23, MGL22, MLC+21, MURK20, NB23, PSK21, RHA+23, RVvB+23, RWS+22, SPBK21, SML21b, SWK+23, SOT+20, TJW+22, VJS+20, WBB+21, WLK+21]. **Temperature** [MKL+24, OBL21, PSK21, SMD21, AAB+22, AFH+21, AFK+22, BM22, BMB22, BMH+23, BWSW24, CGR22, CT23, CHAA21, DWR+23, DCK+22, DAD+21, DKW+21, Edm21a, FLH+23, GR24, HM20, IOS24, JLR+22, KDV+23, Lem20, LSCL21, LNC+23, LSDA21, MVP+20, MRT+24, PBC21, Phi20, Phi21, SJH20, STB22, SHZ+21, SMKS22, VLP+21, XDQ+22, ZXE+23]. **Temperature-dependent** [OBL21]. **temperatures** [NB23, OJUN23, SIP21, SSL22, SGM+21]. **Temporal** [HLH+23, HDD+22, ZSF+23, AH20, AHF+22, FBR+23, LSC+21, LHS+20, MV22a, MV22b, NB20, RHA+23, RWT+21, Roy20, RKBT+23, SMNT22, WZCK20, ZBNH+21]. **temporally** [FR23]. **temporary** [CTF+21, FW21, GCEM+23, GPB+20]. **Ten** [FJP+21]. **term** [BCWS23, BBMD20, BMH+23, CB21a, CHA+24, DAD+21, FHMK20, FBV23, GBHF21, HBR+22, LAD+22, LRNG24, LVHK20, Lem20, LGQ+21, LZM+21, MVP+20, MKBSK19, MNMJ+21, ORE20, RSLW23, SJH20, SGM+21, TMS+21, YAH+21, MKBSK19]. **terminated** [vHLV+20]. **ternary** [ZJW+22]. **terrain** [GPDA+20]. **Terrestrial** [SOT+20, YML+21, AVS+22, TSX+23]. **terrigenous** [LL23, ZCZ+23]. **test** [BO20, PPB+21]. **test-bearing** [BO20]. **Testing** [CFC+20, LD22, SB22]. **Tetradesmus** [ZSZ+21]. **tetraethers** [ZLL+24]. **Thaumarchaeota** [TRS+20]. **thaw** [FBP20, PWS+20]. **their** [BDMGH+23, BCFI+22, BCA+20, CHA+24, FPBG+22, HBG+22, HMBB21, HGA24, LLMM+23, MLS+21, MIR+22, ZLW+21a, ZLL+21]. **Thermal** [BCFI+22, AR20, CHA+24, EFP+21, KKP+21, MSD23]. **thermally** [EAF+22]. **thermokarst** [HABL+21, KSH+23, LPA+23, PWS+20, ZSK+21].

Thiamine [WK21]. **thickest** [SRN+21]. **Thin** [PLLM21, GBC+20]. **Think** [OYM+20]. **Three** [CLT+22, EWF22, MHL+20, MZW+21, VGvdB+21]. **Three-dimensional** [CLT+22]. **threshold** [HMBB21]. **Thresholds** [RS21]. **throughout** [SGSD+22]. **throughput** [BBGM20, WZCK20]. **Tibetan** [DLC+22, XTJW21]. **Tidal** [YOXC23, BD22, HSBC20, PBP+23, PNT+21, RWMP+23, SVBT20, SWK+23, WLSD21, XWL+21, ZvBZ+20]. **tidal-flat** [BD22]. **Tidally** [CSC+21, FHR+21]. **tides** [ZSZ+22]. **Tight** [HJWP24, XKP+22]. **Time** [CBN21, FIH+20, LABM20, Phi20, Phi21, TRS+20, BHA+22, FWvA+21, FHMK20, FR23, FMT+20, GWS+21, HRK+22, LvBS+22, LHD+20, MO23, MKD22, QS21, RCMA21, SDL22, SGM+22, WDG+21]. **Time-series** [CBN21, FIH+20, LABM20, WDG+21]. **Time-varying** [Phi20, Phi21]. **times** [EAF+22, RTK23]. **timing** [BBM21, SJJ+21]. **Tipping** [CBPNA22]. **tissue** [SWS+22]. **TN** [FBV23]. **TOC** [Ano20-50, Ano20-51, Ano20-52, Ano20-53, Ano20-54, Ano20-55, Ano20-56, Ano20-57, Ano20-58, Ano20-59, Ano20-60, Ano20-61, Ano21-41, Ano21-42, Ano21-43, Ano21-44, Ano21-45, Ano21-46, Ano21-47, Ano21-48, Ano21-49, Ano21-50, Ano21-51, Ano21-56, Ano21-52, Ano22-44, Ano22-45, Ano22-46, Ano22-47, Ano22-48, Ano22-49, Ano22-50, Ano22-51, Ano22-52, Ano22-53, Ano22-54, Ano22-55, Ano22d, Ano22-56, Ano23-37, Ano23-38, Ano23-39, Ano23-40, Ano23-41, Ano23-42, Ano23-43, Ano23-44, Ano23-45, Ano23-46, Ano23-47, Ano23-48, Ano24j, Ano24k, Ano24l]. **Tolerance** [RBD22, EFP+21, SSL22, ZZCD23, vHHP+22]. **tolerant** [CTM+21]. **tomography** [IKN+21, MMLPRHCG22]. **tool** [ZLL+24]. **top** [BMA+20, BD22, GÖA+23, LLBC20, RS20]. **top-down** [BMA+20, BD22, GÖA+23, LLBC20, RS20]. **topology** [GRJ20]. **total** [DSY20, MCS+23, MGGRR+21, QFM+21, XYL+23]. **toxic** [BMGK22, LBvE23, SKB+22, ZJ22b]. **toxicity** [BH21, BK20, RD23]. **toxigenic** [MBB+20]. **toxin** [WOT+23]. **TP** [FBV23]. **Trace** [WOMWR20, BBA+23, DBB+21, HKM+20, KDZ+24, ZLL+24]. **Tracing** [CDW+24, VCT+23, LLC+23]. **track** [ZZO+21]. **trade** [BH21]. **trade-offs** [BH21]. **trades** [BK20]. **Trait** [VMP+21, GRJ20, LEB21, LVZ21, MLB+21, MO23, WSZ22a, WSZ22b, vHHP+22]. **Trait-based** [VMP+21, LEB21, MLB+21, WSZ22a, WSZ22b, vHHP+22]. **trait-environment** [LVZ21]. **traits** [CZH+21, DTPV21, EG20, FRRG+21, HMBB21, KHK+22, LEB21, OAM+22, WOT+23]. **trajectories** [MNMJ+21, WPO+22]. **transcriptional** [CTP21]. **transcriptomics** [MK20]. **transect** [DWS+22, JLS+20, JSL+23, KPS21]. **transfer** [ALH+21, HPF+23, JYA21, SWZ+23, vGDH+21]. **transform** [SJH20]. **Transformation** [HOB+22, MZXY22, BKMY21, KRM+20, ZLW+21a]. **transformations** [SEK20]. **transient** [NKH+23]. **transition** [BVGQN22, KWS+21, SBM+21, YGD+21]. **Transitioning** [BDE+22]. **transitions** [FDF+21]. **transparency** [BJS23a, DLC+22, KLO23]. **transplanted** [MGP+21]. **transport** [BGAD+22, FHR+21, FGO+20,

GLN+20, GLN+21, GPDA+20, KPM+20, LZG21, MDBI20, MLP21b, MURK20, OBL20, QS21, RPA+22, VJS+20, WKRL+23, XLN21]. **trap** [BH21, DLDF21, GWS+21, MTB+21]. **Trench** [FUUG+21, SML+21a]. **trends** [BBMD20, BJG+22, DKPS23, GBHF21, LDB+20]. **triad** [SSA+23]. **tributary** [MBB+20]. **Trichodesmium** [EBW+20, SdBW+23, ZFQ+20]. **triggers** [LMS+21]. **triple** [LHGJ21]. **tritrophic** [EG20]. **Trophic** [CDH+21, MSL21, MBC+21, MCYR20, NDP+24, PMRG20, WMTJW22, BOC+21, CAV+22, CUS21, KPL+20, LGQ+21, MPW+23, PMF+21, RFB+22, RBAC+20, SWOR20, SPR22, SSWM20, THVJ23, VGSB23, WWGP21, YvdHC+20]. **Tropical** [BYB+23, EBK+20, ETMD23, FSS+23, SMW+21, AAB+22, ACW+22, AHCJ+20, BLS+22, BPL22, CCFF21, CDH+21, CMCC24, CBD+23, DBM+23, DNA+22, FMT+20, GCEM+23, GLAHH+23, KBvdD+20, LBG+22, LSDA21, MA21, MHdS+21, MHVC22, NB20, PBGGRB21, RMW+21, SVMM+22, SDB+23, THVJ23]. **Trough** [GNO22]. **tuna** [OFM+21, OLR+23]. **tundra** [LMM+21, ZSK+21]. **tunicate** [ST22]. **Turbidity** [RS20, BRHS20]. **Turbulence** [MBA+21, EWF22, FIM+22, GFG+22, TGE+21]. **turbulent** [LXC+21a]. **Turnover** [GB21, BGM+21, KBB+22, LD22, PKV20, SB22]. **turtle** [JHBB22]. **twilight** [BO20, KCT23]. **Two** [AHCF22, CTM+21, ACW+22, BCL+22, CB21a, HTLP23, HOB+22, LHMR23, MLC+21, MSG+22, SPBK21, WRHR22, WAPC20]. **type** [dSNIB22]. **types** [CGGC+21, HPCH24, KKA22, ZLG+23]. **typhoon** [SYT+21, TNK+22]. **typhoon-induced** [SYT+21, TNK+22]. **typhoons** [LLC+23]. **Typical** [QS21].

U.S [MMF+21]. **U.S.** [HM20, MSJ21]. **U.S.A** [HSD+20]. **U.S.A.** [HTLP23, YJB+20]. **Ubatuba** [PLLM21]. **UCYN** [GFW+20]. **UCYN-A** [GFW+20]. **ultraviolet** [PC21, YG23, ZFQ+20]. **uncertain** [FM21]. **uncertainties** [MBD+22, RST+21]. **Uncertainty** [CSD+24]. **uncharacterized** [CBB+22]. **uncultured** [LOW+20]. **Under-ice** [HS21, OBL20, SGL+23, KFHS24]. **underappreciated** [ZXZ+23]. **underestimated** [PKV20]. **underlies** [YvdHC+20]. **underlying** [BWB+22, CBB+22, HPF+23]. **Understanding** [BPG+22, KHK+22, MMLPRHCG22, ALG+23, MVBG20, SBD+21]. **underwater** [FIH+20, HZS21, KAC+23]. **undescribed** [KKP+21]. **undisturbed** [EFC+23]. **Unexpected** [BHSL21, MKP+23, dOKC+21]. **unicellular** [DCK+22, LTLH22, MK20]. **unique** [CYZZ+20, SRM23]. **United** [BCTH20, CCA+21, DRA+23, FBK+22, GGR24]. **Universal** [LEB21]. **Unlocking** [RCH+20]. **unproductive** [BYS+23]. **Unraveling** [JLW+23]. **unvegetated** [SSEO21]. **upgrades** [TCS21]. **upland** [BGM+22]. **upper** [BM22, BMB22, ORRMD+21, PGB24]. **Uptake** [FSH+23, ARBvS+21, BRB+20, BDL+21, CDA+20, GDB20, HANW21, HCS+21, KP20, LLMM+23, LD22, MBH+23, MUGL20, MAD+22, MSB+22, MDIY23, RCH+20, SSR+23, WM20, SB22]. **upwelling**

[BVGQN22, CMB+21, FBR+23, HSP+20, IÁSNCR21, KLO23, KDV+23, LLC+23, MXL+21, REF+21, SBL+21, SLZ+21b]. **upwelling-driven** [BVGQN22]. **urban** [TBH+22]. **urbanization** [IYW+22]. **urchin** [OSR20, SH22]. **urea** [SHE+21, SBB+21]. **urea-derived** [SHE+21]. **USA** [DP22, LZG21, VMT+24]. **Use** [LvBS+22, BCTH20, BSB+20, BMS+22, FDHS20, GZX+22, HPCH24, IFU+20, MO23, MGI+22, RTM+20, SBB+21, VCT+23]. **use/land** [MGI+22]. **uses** [SML21b]. **Using** [FMT+20, GF21, BGAD+22, CDW+24, CZK+23, DFJ22, DMS+21, FHR+21, FHMK20, IKN+21, KFHS24, LZG21, MGWS23, RPA+22, SJH20, TVB+21, VMP+21, WMTJW22, WDS+23]. **usual** [AAC+21]. **utility** [RWL+24]. **utilization** [BAD+21, LD22, MBLA+21, PDK+23, RCH+20, SB20].

Val [PSE+20]. **Validation** [LZG21]. **valuable** [ZR23]. **Vanda** [SSP+20]. **Variability** [AR20, DRA+23, KPG+23, TKS+20, ASL+24, BTK+21, BBH+20, CCB+20, CMCC24, CHS+20, CP22, DvOH+20, DLDF21, DAD+21, FJP+21, HBG+22, HMP+21, JLW+23, KX22, KOR+20, KDV+23, LZD+23, LHD+20, LMSN23, MMF+21, MHP+23, MDIY23, PW22, PMRG20, PFB+22, PSK21, RHA+23, RKBT+23, SBM+21, SML+21a, SSL22, SMP21, SMKS22, SWK+23, SSCE20, VVMJ23, XDQ+22]. **variable** [BM22, BJG+22, GSP+23, RBD22, SSL22]. **variables** [CSD+24]. **Variation** [HHMH22, KKA22, Ano21c, BGM+22, CGRGP+21, DMM+21, DKW+21, Edm21a, Edm21b, GGHBS+20, HLH+23, HZC+24, LLSQ24, LHS+20, LRRP20, MTP+23, MV22a, MV22b, MRH+23, MHVC22, OSR20, PGEB22, RPKC22, SPR22, hTRH20, WRWPG19, ZZB+20]. **variations** [DHNH22, IJSC20, KTWGT20, SMNT22, WZCK20]. **varies** [GCW+23, LLBC20, RVS+22]. **vary** [SZA+21]. **varying** [Phi20, Phi21]. **vegetated** [EJRRC+23]. **Vegetation** [ZvBZ+20, JvKvT+20, PGB24, SVBT20, VMT+20]. **vehicle** [LDG+21]. **velocities** [EAF+22]. **velocity** [GLN+20, LCMG+20]. **vent** [ASL+24, MGP+21]. **ventilation** [KdED+20]. **vents** [CTM+21]. **Vertical** [BBM21, BO20, CYPRG+23, SSP+20, BJS23a, BBGM20, GLN+21, GNO22, GK22, HPP+21, LLBC20, MEQBV20, MO23, WF22, WO21, WSZ22a, WSZ22b, WKRL+23]. **Very** [WXK+22, CTH+20]. **via** [BPG+22, GGLH+22, SCC+21]. **viability** [GLAHH+23]. **viral** [SML+21a]. **virginica** [MDWT+22, WSB+20]. **virus** [HPF+23, TVB+21, XKP+22]. **virus-to-copepod** [TVB+21]. **viruses** [MLS+21]. **Visual** [LAFV23, BBM21, LN21]. **Vital** [Edm21b]. **volcanic** [GRJ+22, MHVC22]. **volume** [GGR24, TION23]. **volumes** [HDD+22]. **vs** [BFW+22, CPB+21, LLBC20, SSL22, WTvD+22]. **Vulnerability** [LRM21].

WA [MVBG20]. **Wadden** [HDD+22]. **Warming** [BMB22, BDMGH+23, OJUN23, RLL+21, SVC+22, ARB+22, BTK+21, DNB+20, DMCW23, FLH+23, MLP21b, ONH+20, RBD22, RGW+23, SBH23, SIP21, SMP21,

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[Ano23m] Anonymous. Issue information & masthead. *Limnology and Oceanography*, 68(1):i, January 2023. CODEN LIOCAH. ISSN 0024-3590.

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[APB+23] Anna Akimova, Myron A. Peck, Gregor Börner, Cindy van Damme, and Marta Moyano. Combining modeling with novel

field observations yields new insights into wintertime food limitation of larval fish. *Limnology and Oceanography*, 68 (8):1865–1879, August 2023. CODEN LIOCAH. ISSN 0024-3590.

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[AR20] Stephanie I. Anderson and Tatiana A. Rynearson. Variability approaching the thermal limits can drive diatom community dynamics. *Limnology and Oceanography*, 65(9):1961–1973, September 2020. CODEN LIOCAH. ISSN 0024-3590.

Aoki:2022:DSA

[ARB+22] Lillian R. Aoki, Brendan Rappazzo, Deanna S. Beatty, Lia K. Domke, Ginny L. Eckert, Morgan E. Eisenlord, Olivia J. Graham, Leah Harper, Timothy L. Hawthorne, Margot Hessing-Lewis, Kevin A. Hovel, Zachary L. Monteith, Ryan S. Mueller, Angeleen M. Olson, Carolyn Prentice, John J. Stachowicz, Fiona Tomas, Bo Yang, J. Emmett Duffy, Carla Gomes, and C. Drew Harvell. Disease surveillance by artificial intelligence links eelgrass wasting disease to ocean warming across latitudes. *Limnology and Oceanography*, 67(7): 1577–1589, July 2022. CODEN LIOCAH. ISSN 0024-3590.

Anlanger:2021:HBC

[ARBvS+21] Christine Anlanger, Ute Risse-Buhl, Daniel von Schiller, Christian Noss, Markus Weitere, and Andreas Lorke. Hydraulic and biological controls of biofilm nitrogen uptake in gravel-bed streams. *Limnology and Oceanography*, 66(11): 3887–3900, November 2021. CODEN LIOCAH. ISSN 0024-3590.

Alcaraz-Rocha:2023:OAA

[ARPFGS23] Paulo Alcaraz-Rocha, Júlia Puig-Fàbregas, José Luis Garrido, and Cristina Sobrino. Ocean acidification affects pigment concentration and photoprotection of marine phytoplankton. *Limnology and Oceanography*, 68(4):831–844, April 2023. CODEN LIOCAH. ISSN 0024-3590.

Atlas:2020:LBC

[ASH+20] William I. Atlas, Daniel T. Selbie, Carrie A. Holt, Steve Cox-Rogers, Charmaine Carr-Harris, Kara J. Pitman, and Jonathan W. Moore. Landscape and biophysical controls of lake productivity to inform evaluation of sockeye salmon

(*Oncorhynchus nerka*) populations in data-limited regions. *Limnology and Oceanography*, 66(5):2205–2219, September 2020. CODEN LIOCAH. ISSN 0024-3590.

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[ASL+24] Loïc Van Audenhaege, Jozée Sarrazin, Pierre Legendre, Garance Perrois, Mathilde Cannat, Aurélien Arnaubec, and Marjolaine Matabos. Monitoring ecological dynamics on complex hydrothermal structures: a novel photogrammetry approach reveals fine-scale variability of vent assemblages. *Limnology and Oceanography*, 69(2):325–338, February 2024. CODEN LIOCAH. ISSN 0024-3590.

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[AVJ+24] Salla A. Ahonen, Kristiina M. Vuorio, Roger I. Jones, Heikki Hämäläinen, Krista Rantamo, Marja Tiirola, and Anssi V. Vähätalo. Assessing and predicting the influence of chromophoric dissolved organic matter on light absorption by phytoplankton in boreal lakes. *Limnology and Oceanography*, 69(2):422–433, February 2024. CODEN LIOCAH. ISSN 0024-3590.

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[AVS+22] Eero Asmala, Joonas J. Virtasalo, Matias Scheinin, Sara Newton, and Tom Jilbert. Role of particle dynamics in processing of terrestrial nitrogen and phosphorus in the estuarine mixing zone. *Limnology and Oceanography*, 67(1):1–12, January 2022. CODEN LIOCAH. ISSN 0024-3590.

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[AWB+23] Abdullah M. Alowaifeer, Qian Wang, Brian Bothner, Ryan J. Sibert, Samantha B. Joye, and Timothy R. McDermott. Aerobic methane synthesis and dynamics in a river water environment. *Limnology and Oceanography*, 68(8):1762–1774, August 2023. CODEN LIOCAH. ISSN 0024-3590.

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[AWGV20] Isabelle M. Andersen, Tanner J. Williamson, Maria J. González, and Michael J. Vanni. Nitrate, ammonium, and phosphorus drive seasonal nutrient limitation of chlorophytes, cyanobacteria, and diatoms in a hyper-eutrophic reservoir. *Limnology and Oceanography*, 65(5):962–978, May 2020. CODEN LIOCAH. ISSN 0024-3590.

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[BAD+21] Sarah K. Bercovici, Mar C. Arroyo, Daniele De Corte, Taichi Yokokawa, and Dennis A. Hansell. Limited utilization of extracted dissolved organic matter by prokaryotic communities from the subtropical North Atlantic. *Limnology and Oceanography*, 65(6):2509–2520, June 2021. CODEN LIOCAH. ISSN 0024-3590.

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[BAG+24] Marieke Beaulieu, Marc Amyot, Katherine Griffiths, Ashu Dastoor, Adam Jeziorski, and Irene Gregory-Eaves. Organic matter, eutrophication, and increased mass accumulation rates in the Anthropocene are the main drivers of mercury concentrations and historical enrichment in Canadian lake sediments. *Limnology and Oceanography*, 69(2):434–448, February 2024. CODEN LIOCAH. ISSN 0024-3590.

Browning:2020:NRL

[BAHH+20] Thomas J. Browning, Ali A. Al-Hashem, Mark J. Hopwood, Anja Engel, Ewan D. Wakefield, and Eric P. Achterberg. Nutrient regulation of late spring phytoplankton blooms in the midlatitude North Atlantic. *Limnology and Oceanography*, 65(6):1136–1148, June 2020. CODEN LIOCAH. ISSN 0024-3590.

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[BBA+23] Shannon M. Burns, Randelle M. Bundy, William Abbott, Zuzanna Abdala, Alexa R. Sterling, P. Dreux Chappell, Bethany D. Jenkins, and Kristen N. Buck. Interactions of bioactive trace metals in shipboard Southern Ocean incubation experiments. *Limnology and Oceanography*, 68(3):525–543, March 2023. CODEN LIOCAH. ISSN 0024-3590.

Brown:2021:HSB

[BBCA+21] Kristen T. Brown, Dorothea Bender-Champ, Michelle Achlatis, Rene M. van der Zande, Andreas Kubicek, Storm B. Martin, Carolina Castro-Sanguino, Sophie G. Dove, and Ove Hoegh-Guldberg. Habitat-specific biogenic production and erosion influences net framework and sediment coral reef carbonate budgets. *Limnology and Oceanography*, 66(2):349–365, February 2021. CODEN LIOCAH. ISSN 0024-3590.

Brisbin:2020:PHT

[BBGM20] Margaret Mars Brisbin, Otis Davey Brunner, Mary Matilda Grossmann, and Satoshi Mitarai. Paired high-throughput, in situ imaging and high-throughput sequencing illuminate acantharian abundance and vertical distribution. *Limnology and Oceanography*, 66(6):2953–2965, December 2020. CODEN LIOCAH. ISSN 0024-3590.

Berberich:2020:SVS

[BBH+20] Megan E. Berberich, Jake J. Beaulieu, Trinity L. Hamilton, Sarah Waldo, and Ishi Buffam. Spatial variability of sediment methane production and methanogen communities within a eutrophic reservoir: Importance of organic matter source and quantity. *Limnology and Oceanography*, 65(6): 1336–1358, June 2020. CODEN LIOCAH. ISSN 0024-3590.

Brown:2021:LDK

[BBL+21] Michael S. Brown, Jeff S. Bowman, Yajuan Lin, Colette J. Feehan, Carly M. Moreno, Nicolas Cassar, Adrian Marchetti, and Oscar M. Schofield. Low diversity of a key phytoplankton group along the West Antarctic Peninsula. *Limnology and Oceanography*, 66(6):2470–2480, June 2021. CODEN LIOCAH. ISSN 0024-3590.

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[BBM21] Kelly J. Benoit-Bird and Mark A. Moline. Vertical migration timing illuminates the importance of visual and nonvisual predation pressure in the mesopelagic zone. *Limnology and Oceanography*, 66(8):3010–3019, August 2021. CODEN LIOCAH. ISSN 0024-3590.

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[BBMD20] Amelie C. Berger, Peter Berg, Karen J. McGlathery, and Marie Lise Delgard. Long-term trends and resilience of seagrass metabolism: a decadal aquatic eddy covariance study. *Limnology and Oceanography*, 65(7):1423–1438, July 2020. CODEN LIOCAH. ISSN 0024-3590.

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[BC20] Andrea G. Bravo and Claudia Cosio. Biotic formation of methylmercury: a bio–physico–chemical conundrum. *Limnology and Oceanography*, 65(5):1010–1027, May 2020. CODEN LIOCAH. ISSN 0024-3590.

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[BCA+20] Katlin L. Bowman, R. Eric Collins, Alison M. Agather, Carl H. Lamborg, Chad R. Hammerschmidt, Drishti Kaul, Christopher L. Dupont, Geoff A. Christensen, and Dwayne A. Elias. Distribution of mercury-cycling genes in the Arctic and equatorial Pacific Oceans and their relationship to mercury speciation. *Limnology and Oceanography*, 66(6):S310–S320, January 2020. CODEN LIOCAH. ISSN 0024-3590.

Botana:2022:TPC

[BCFI+22] Marina T. Botana, Adriano B. Chaves-Filho, Alex Inague, Arthur Z. Güth, Flavia Saldanha-Corrêa, Marius N. Müller, Paulo Y. G. Sumida, Sayuri Miyamoto, Matthias Y. Kellermann, Raymond C. Valentine, and Marcos Y. Yoshinaga. Thermal plasticity of coral reef symbionts is linked to major alterations in their lipidome composition. *Limnology and Oceanography*, 67(7):1456–1469, July 2022. CODEN LIOCAH. ISSN 0024-3590.

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[BCL+22] Susana Bernal, Mathew J. Cohen, José L. J. Ledesma, Lily Kirk, Eugènia Martí, and Anna Lupon. Stream metabolism sources a large fraction of carbon dioxide to the atmosphere in two hydrologically contrasting headwater streams. *Limnology and Oceanography*, 67(12):2621–2634, December 2022. CODEN LIOCAH. ISSN 0024-3590.

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[BCTH20] Marieke Beaulieu, Hubert Cabana, Zofia Taranu, and Yannick Huot. Predicting atrazine concentrations in waterbodies across the contiguous United States: The importance of land use, hydrology, and water physicochemistry. *Limnology and Oceanography*, 66(6):2966–2983, December 2020. CODEN LIOCAH. ISSN 0024-3590.

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[BCWS23] Adrian M. Bass, Martin Coleman, Susan Waldron, and Marian Scott. Dissolved organic carbon export in a small, disturbed peat catchment: Insights from long-term, high-resolution, sensor-based monitoring. *Limnology and Oceanography*, 68(8):1750–1761, August 2023. CODEN LIOCAH. ISSN 0024-3590.

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[BD22] Jan J. Beukema and Rob Dekker. Bottom-up as well as top-down processes govern zoobenthic secondary production in a tidal-flat ecosystem. *Limnology and Oceanography*, 67(11): 2547–2556, November 2022. CODEN LIOCAH. ISSN 0024-3590.

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[BDE+22] Philip W. Boyd, Scott C. Doney, Sam Eggins, Michael J. Ellwood, Marion Fourquez, Brook L. Nunn, Robert Strzepek, and Emma Timmins-Schiffman. Transitioning global change experiments on Southern Ocean phytoplankton from lab to field settings: Insights and challenges. *Limnology and Oceanography*, 67(9):1911–1930, September 2022. CODEN LIOCAH. ISSN 0024-3590.

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[BDL+21] Hugo Berthelot, Solange Duhamel, Stéphane L'Helguen, Jean-François Maguer, and Nicolas Cassar. Inorganic and organic carbon and nitrogen uptake strategies of picoplankton groups in the northwestern Atlantic Ocean. *Limnology and Oceanography*, 66(10):3682–3696, October 2021. CODEN LIOCAH. ISSN 0024-3590.

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[BDMGH+23] Claudia Bommarito, Dakeishla M. Díaz-Morales, Tamar Guy-Haim, Simona Noè, Jules Delasalle, Björn Buchholz, Maral Khosravi, Gil Rilov, Bernd Sures, and Martin Wahl. Warming and parasitism impair the performance of Baltic native and invasive macroalgae and their associated fauna. *Limnology and Oceanography*, 68(8):1852–1864, August 2023. CODEN LIOCAH. ISSN 0024-3590.

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[BFCC+21] Patricia Briones-Fourzán, Julio Candela, Laura Carrillo, Alí F. Espinosa-Magaña, Fernando Negrete-Soto, Cecilia Barradas-Ortiz, Edgar Escalante-Mancera, Rubén Muñoz de Cote-Hernández, Rogelio Martínez-Calderón, and Enrique Lozano-Álvarez. Metamorphosis of spiny lobsters (*Panulirus argus* and *Panulirus guttatus*) in the Yucatan Current as inferred from the distribution of pueruli and final stage phyllosomata. *Limnology and Oceanography*, 66(9):3421–3438, September 2021. CODEN LIOCAH. ISSN 0024-3590.

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[BFE+20] Trace Borchardt, Kelsey V. Fisher, Alina M. Ebling, Jason R. Westrich, Peng Xian, Christopher D. Holmes, William M. Landing, Erin K. Lipp, Michael S. Wetz, and Elizabeth A. Ottesen. Saharan dust deposition initiates successional patterns among marine microbes in the Western Atlantic. *Limnology and Oceanography*, 65(1):191–203, January 2020. CODEN LIOCAH. ISSN 0024-3590.

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[BFW+22] Janina Vanessa Büscher, Armin Uwe Form, Max Wisshak, Rainer Kiko, and Ulf Riebesell. Cold-water coral ecosystems under future ocean change: Live coral performance vs. framework dissolution and bioerosion. *Limnology and Oceanography*, 67(11):2497–2515, November 2022. CODEN LIOCAH. ISSN 0024-3590.

Bharti:2022:CND

[BGAD+22] D. K. Bharti, Katell Guizien, M. T. Aswathi-Das, P. N. Vinayachandran, and Kartik Shanker. Connectivity networks and delineation of disconnected coastal provinces along the Indian coastline using large-scale Lagrangian transport simulations. *Limnology and Oceanography*, 67(6):1416–1428, June 2022. CODEN LIOCAH. ISSN 0024-3590.

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[BGG+20] Martin Berggren, Cristian Gudasz, Francois Guillemette, Geert Hensgens, Linlin Ye, and Jan Karlsson. Systematic microbial production of optically active dissolved organic matter in subarctic lake water. *Limnology and Oceanography*, 65 (5):951–961, May 2020. CODEN LIOCAH. ISSN 0024-3590.

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[BGM+21] Francesca L. Brailsford, Helen C. Glanville, Miles R. Marshall, Christopher A. Yates, Alun T. Owen, Peter N. Golyshin, Penny J. Johnes, and Davey L. Jones. Land cover and nutrient enrichment regulates low-molecular weight dissolved organic matter turnover in freshwater ecosystems. *Limnology and Oceanography*, 66(8):2979–2987, August 2021. CODEN LIOCAH. ISSN 0024-3590.

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[BGM+22] Judith A. Bjorndahl, Cale A. C. Gushulak, Stefano Mezzini, Gavin L. Simpson, Heather A. Haig, Peter R. Leavitt, and Kerri Finlay. Abrupt changes in the physical and biological structure of endorheic upland lakes due to 8-m lake-level variation during the 20^{th} century. *Limnology and Oceanography*, 67(5):1022–1039, May 2022. CODEN LIOCAH. ISSN 0024-3590.

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[BH21] Hannah E. Blossom and Per Juel Hansen. The loss of mixotrophy in *Alexandrium pseudogonyaulax*: Implications for trade-offs between toxicity, mucus trap production, and phagotrophy. *Limnology and Oceanography*, 66(2):528–542, February 2021. CODEN LIOCAH. ISSN 0024-3590.

Bertuzzo:2022:RRR

[BHA+22] Enrico Bertuzzo, Erin R. Hotchkiss, Alba Argerich, John S. Kominoski, Diana Oviedo-Vargas, Philip Savoy, Rachel Scarlett, Daniel von Schiller, and James B. Heffernan. Respiration regimes in rivers: Partitioning source-specific respiration from metabolism time series. *Limnology and Oceanography*, 67(11):2374–2388, November 2022. CODEN LIOCAH. ISSN 0024-3590.

Baetge:2024:PIF

[BHG+24] Nicholas Baetge, Kimberly H. Halsey, Jason R. Graff, Brian Ver Wey, Toby K. Westberry, Amanda E. Appel, Guillaume Bourdin, Charlotte Begouen Demeaux, Emmanuel Boss, and Michael J. Behrenfeld. Physiological and interspecific factors determine diel changes in phytoplankton bio-optical properties. *Limnology and Oceanography*, 69(2):390–407, February 2024. CODEN LIOCAH. ISSN 0024-3590.

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[BHR+23] Ethan M. Baruch, Tamara K. Harms, Albert Ruhi, Mengdi Lu, Leah Gaines-Sewell, and John L. Sabo. Food web efficiency in desert streams. *Limnology and Oceanography*, 68 (3):723–734, March 2023. CODEN LIOCAH. ISSN 0024-3590.

Balmonte:2020:SCB

[BHSG+20] John Paul Balmonte, Harald Hasler-Sheetal, Ronnie N. Glud, Thorbjørn J. Andersen, Mikael K. Sejr, Mathias Middelboe, Andreas Teske, and Carol Arnosti. Sharp contrasts between freshwater and marine microbial enzymatic capabilities, community composition, and DOM pools in a NE Greenland fjord. *Limnology and Oceanography*, 65(1):77–95, January 2020. CODEN LIOCAH. ISSN 0024-3590.

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[BHSL21] Nathanael T. Bergbusch, Nicole M. Hayes, Gavin L. Simpson, and Peter R. Leavitt. Unexpected shift from phytoplankton to periphyton in eutrophic streams due to wastewater influx. *Limnology and Oceanography*, 66(7):2745–2761, July 2021. CODEN LIOCAH. ISSN 0024-3590.

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[BJG+22] Ruchi Bhattacharya, John R. Jones, Jennifer L. Graham, Daniel V. Obrecht, Anthony P. Thorpe, James D. Harlan, and Rebecca L. North. Nonlinear multidecadal trends in organic matter dynamics in Midwest reservoirs are a function of variable hydroclimate. *Limnology and Oceanography*, 67 (11):2531–2546, November 2022. CODEN LIOCAH. ISSN 0024-3590.

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[BJK+21] Sonja Berg, Sandra Jivcov, Stephanie Kusch, Gerhard Kuhn, Duanne White, Gerhard Bohrmann, Martin Melles, and Janet Rethemeyer. Increased petrogenic and biospheric organic carbon burial in sub-Antarctic fjord sediments in response to recent glacier retreat. *Limnology and Oceanography*, 66(12):4347–4362, December 2021. CODEN LIOCAH. ISSN 0024-3590.

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[BJS23a] Alex Barth, Rod Johnson, and Joshua Stone. Size and transparency influence diel vertical migration patterns in copepods. *Limnology and Oceanography*, 68(12):2749–2758, December 2023. CODEN LIOCAH. ISSN 0024-3590.

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[BJS+23b] Abigail C. Bonnington, Rob C. Jamieson, Kathryn A. Smith, Allie Oliver, Lindsay H. Johnston, Nicole K. LeRoux, Lau-

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[BK20] Emily R. Brown and Julia Kubanek. Harmful alga trades off growth and toxicity in response to cues from dead phytoplankton. *Limnology and Oceanography*, 65(8):1723–1733, August 2020. CODEN LIOCAH. ISSN 0024-3590.

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[BKC20] Jennifer C. Bowen, Louis A. Kaplan, and Rose M. Cory. Photodegradation disproportionately impacts biodegradation of semi-labile DOM in streams. *Limnology and Oceanography*, 65(1):13–26, January 2020. CODEN LIOCAH. ISSN 0024-3590.

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[BKMY21] Thomas W. Brooks, Kevin D. Kroeger, Holly A. Michael, and Joanna K. York. Oxygen-controlled recirculating seepage meter reveals extent of nitrogen transformation in discharging coastal groundwater at the aquifer–estuary interface. *Limnology and Oceanography*, 66(8):3055–3069, August 2021. CODEN LIOCAH. ISSN 0024-3590.

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[BLRM24] Melissa L. Brock, Alyse A. Larkin, Eric J. Raes, and Adam C. Martiny. Bacterial biogeography of the Indian Ocean. *Limnology and Oceanography*, 69(1):67–80, January 2024. CODEN LIOCAH. ISSN 0024-3590.

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[BLS20] Terry-René W. Brown, Marc J. Lajeunesse, and Kathleen M. Scott. Strong effects of elevated CO_2 on freshwater microalgae and ecosystem chemistry. *Limnology and Oceanography*, 65(2):304–313, February 2020. CODEN LIOCAH. ISSN 0024-3590.

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[BLS+22] Xavier Benito, Melina Luethje, Tobias Schneider, Sherilyn C. Fritz, Paul A. Baker, Eric J. Pedersen, Pierre Gaüzère, Majoi de Novaes Nascimento, Mark Bush, and Albert Ruhi. Ecological resilience in tropical Andean lakes: a paleolimnological

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[BM22] Samuel M. Bashevkin and Brian Mahardja. Seasonally variable relationships between surface water temperature and inflow in the upper San Francisco Estuary. *Limnology and Oceanography*, 67(3):684–702, March 2022. CODEN LIOCAH. ISSN 0024-3590.

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[BMA+20] Mireia Bartrons, Thomas Mehner, Christine Argillier, Meryem Beklioglu, Petr Blabolil, Trygve Hesthagen, Kerstin Holmgren, Erik Jeppesen, Teet Krause, Samo Podgornik, Pietro Volta, Ian J. Winfield, and Sandra Brucet. Energy-based top-down and bottom-up relationships between fish community energy demand or production and phytoplankton across lakes at a continental scale. *Limnology and Oceanography*, 65(4):892–902, April 2020. CODEN LIOCAH. ISSN 0024-3590.

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[BMB22] Samuel M. Bashevkin, Brian Mahardja, and Larry R. Brown. Warming in the upper San Francisco Estuary: Patterns of water temperature change from five decades of data. *Limnology and Oceanography*, 67(5):1065–1080, May 2022. CODEN LIOCAH. ISSN 0024-3590.

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[BMCS23] Barbara Bayer, Kelsey McBeain, Craig A. Carlson, and Alyson E. Santoro. Carbon content, carbon fixation yield and dissolved organic carbon release from diverse marine nitrifiers. *Limnology and Oceanography*, 68(1):84–96, January 2023. CODEN LIOCAH. ISSN 0024-3590.

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[BMG+23] Giancarlo Bachi, Elisabetta Morelli, Margherita Gonnelli, Cecilia Balestra, Raffaella Casotti, Valtere Evangelista, Daniel J. Repeta, and Chiara Santinelli. Fluorescent properties of marine phytoplankton exudates and lability to marine heterotrophic prokaryotes degradation. *Limnology and Oceanography*, 68(4):982–1000, April 2023. CODEN LIOCAH. ISSN 0024-3590.

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[BMGK22] Emily R. Brown, Sam G. Moore, David A. Gaul, and Julia Kubanek. Predator cues target signaling pathways in toxic algal metabolome. *Limnology and Oceanography*, 67(6):1227–1237, June 2022. CODEN LIOCAH. ISSN 0024-3590.

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[BMH+23] Charlotte L. Briddon, Mihai Miclăuş, Adriana Hegedüs, Maria Nicoară, Maria-Cecilia Chiriac, and Bogdan Drugă. Long-term exposure to elevated temperature leads to altered gene expression in a common bloom-forming cyanobacterium. *Limnology and Oceanography*, 68(12):2654–2667, December 2023. CODEN LIOCAH. ISSN 0024-3590.

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[BMLV24] Marie-Amélie Blais, Alex Matveev, Connie Lovejoy, and Warwick F. Vincent. Size-dependent community patterns differ between microbial eukaryotes and bacteria in a permafrost lake–river–sea continuum. *Limnology and Oceanography*, 69(3):667–680, March 2024. CODEN LIOCAH. ISSN 0024-3590.

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[BMR+21a] Martijn C. Bart, Benjamin Mueller, Titus Rombouts, Clea van de Ven, Gabrielle J. Tompkins, Ronald Osinga, Corina P. D. Brussaard, Barry MacDonald, Anja Engel, Hans Tore Rapp, and Jasper M. de Goeij. Dissolved organic carbon (DOC) is essential to balance the metabolic demands of four dominant North-Atlantic deep-sea sponges. *Limnology and Oceanography*, 66(3):925–938, March 2021. CODEN LIOCAH. ISSN 0024-3590.

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[BMR+21b] Alice F. Besterman, Karen J. McGlathery, Matthew A. Reidenbach, Patricia L. Wiberg, and Michael L. Pace. Predicting benthic macroalgal abundance in shallow coastal lagoons from geomorphology and hydrologic flow patterns. *Limnology and Oceanography*, 66(1):123–140, January 2021. CODEN LIOCAH. ISSN 0024-3590.

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[BMS+22] Jill L. Brooks, Jonathan D. Midwood, Adam Smith, Steven J. Cooke, Bryan Flood, Christine M. Boston, Patricia Semec-

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[BND+23] Hongyan Bao, Jutta Niggemann, Moge Du, Weiqiang Zhao, Dekun Huang, Yuanbi Yi, Jin-Yu Terence Yang, Thorsten Dittmar, and Shuh-Ji Kao. Deciphering sources and processing of dissolved black carbon in coastal seas. *Limnology and Oceanography*, 68(11):2562–2575, November 2023. CODEN LIOCAH. ISSN 0024-3590.

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[BO20] Tristan Biard and Mark D. Ohman. Vertical niche definition of test-bearing protists (Rhizaria) into the twilight zone revealed by in situ imaging. *Limnology and Oceanography*, 65 (11):2583–2602, November 2020. CODEN LIOCAH. ISSN 0024-3590.

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[BOC+21] Guillaume Bridier, Frédéric Olivier, Laurent Chauvaud, Mikael K. Sejr, and Jacques Grall. Food source diversity, trophic plasticity, and omnivory enhance the stability of a shallow benthic food web from a high-Arctic fjord exposed to freshwater inputs. *Limnology and Oceanography*, 66(S1): S259–S272, February 2021. CODEN LIOCAH. ISSN 0024-3590.

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[BPG+22] Phaedra Budy, Casey A. Pennock, Anne E. Giblin, Chris Luecke, Daniel L. White, and George W. Kling. Understanding the effects of climate change via disturbance on pristine Arctic lakes — multitrophic level response and recovery to a 12-yr low-level fertilization experiment. *Limnology and Oceanography*, 67(S1):S224–S241, February 2022. CODEN LIOCAH. ISSN 0024-3590.

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[BPIBN20] Douglas W. Bell, Perry J. Pellechia, Ellery D. Ingall, and Claudia R. Benitez-Nelson. Resolving marine dissolved organic phosphorus (DOP) composition in a coastal estuary. *Limnology and Oceanography*, 66(10):2787–2799, November 2020. CODEN LIOCAH. ISSN 0024-3590.

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[BPL22] David Brankovits, John W. Pohlman, and Laura L. Lapham. Oxygenation of a karst subterranean estuary during a tropical cyclone: mechanisms and implications for the carbon cycle. *Limnology and Oceanography*, 67(12):2691–2705, December 2022. CODEN LIOCAH. ISSN 0024-3590.

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[BR22] Jonathan J. Borrelli and Rick A. Relyea. A review of spatial structure of freshwater food webs: Issues and opportunities modeling within-lake meta-ecosystems. *Limnology and Oceanography*, 67(8):1746–1759, August 2022. CODEN LIOCAH. ISSN 0024-3590.

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[BRB+20] Elliot Bastias, Miquel Ribot, Susana Bernal, Francesc Sabater, and Eugènia Martí. Microbial uptake of nitrogen and carbon from the water column by litter-associated microbes differs among litter species. *Limnology and Oceanography*, 65(8):1891–1902, August 2020. CODEN LIOCAH. ISSN 0024-3590.

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[BRB+22] Pavel Karel Bystřický, Tereza Rutová, Vojtěch Brož, Magdalena Gajdošová, Petr Jan Juračka, Denis Copilaş-Ciocianu, and Adam Petrusek. Distribution patterns at different spatial scales reveal reproductive isolation and frequent syntopy among divergent lineages of an amphipod species complex in Western Carpathian streams. *Limnology and Oceanography*, 67(12):2796–2808, December 2022. CODEN LIOCAH. ISSN 0024-3590.

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[BRCO21] Stéphane Blain, Mathieu Rembauville, Olivier Crispi, and Ingrid Obernosterer. Synchronized autonomous sampling reveals coupled pulses of biomass and export of morphologically different diatoms in the Southern Ocean. *Limnology and Oceanography*, 66(3):753–764, March 2021. CODEN LIOCAH. ISSN 0024-3590.

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[BRHS20] Caitlin O. Blain, T. Alwyn V. Rees, S. Christine Hansen, and Nick T. Shears. Morphology and photosynthetic response of

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[BRM+23] Phillip M. Bumpers, Amy D. Rosemond, David W. P. Manning, John S. Kominoski, Jonathan P. Benstead, and Lee M. Demi. Experimental nutrient enrichment of forest streams reduces ecosystem nitrogen and phosphorus storage. *Limnology and Oceanography*, 68(7):1670–1685, July 2023. CODEN LIOCAH. ISSN 0024-3590.

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[BSB+20] Angelo F. Bernardino, Christian J. Sanders, Lorena B. Bissoli, Luiz Eduardo de O. Gomes, J. Boone Kauffman, and Tiago O. Ferreira. Land use impacts on benthic bioturbation potential and carbon burial in Brazilian mangrove ecosystems. *Limnology and Oceanography*, 65(10):2366–2376, October 2020. CODEN LIOCAH. ISSN 0024-3590.

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[BSF+21] Megan I. Behnke, Aron Stubbins, Jason B. Fellman, Eran Hood, Thorsten Dittmar, and Robert G. M. Spencer. Dissolved organic matter sources in glacierized watersheds delineated through compositional and carbon isotopic modeling. *Limnology and Oceanography*, 66(2):438–451, February 2021. CODEN LIOCAH. ISSN 0024-3590.

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[BSGA21] John Paul Balmonte, Meinhard Simon, Helge-Ansgar Giebel, and Carol Arnosti. A sea change in microbial enzymes: Heterogeneous latitudinal and depth-related gradients in bulk water and particle-associated enzymatic activities from 30^{o}S to 59^{o}N in the Pacific Ocean. *Limnology and Oceanography*, 66(9):3489–3507, September 2021. CODEN LIOCAH. ISSN 0024-3590.

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[BSIdG23] Sofia Baliña, María Laura Sánchez, Irina Izaguirre, and Paul A. del Giorgio. Shallow lakes under alternative states differ in the dominant greenhouse gas emission pathways. *Limnology and Oceanography*, 68(1):1–13, January 2023. CODEN LIOCAH. ISSN 0024-3590.

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[BST+22] Debashish Bhattacharya, Timothy G. Stephens, Amanda I. Tinoco, Robert H. Richmond, and Phillip A. Cleves. Life on the edge: Hawaiian model for coral evolution. *Limnology and Oceanography*, 67(9):1976–1985, September 2022. CODEN LIOCAH. ISSN 0024-3590.

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[BTK+21] Paschale N. Bégin, Yukiko Tanabe, Michio Kumagai, Alexander I. Culley, Michel Paquette, Denis Sarrazin, Masaki Uchida, and Warwick F. Vincent. Extreme warming and regime shift toward amplified variability in a far northern lake. *Limnology and Oceanography*, 66(S1):S17–S29, February 2021. CODEN LIOCAH. ISSN 0024-3590.

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[BTT23] Jenna Balaguer, Silke Thoms, and Scarlett Trimborn. The physiological response of an Antarctic key phytoplankton species to low iron and manganese concentrations. *Limnology and Oceanography*, 68(9):2153–2166, September 2023. CODEN LIOCAH. ISSN 0024-3590.

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[BV21] Soren Brothers and Yvonne Vadeboncoeur. Shoring up the foundations of production to respiration ratios in lakes. *Limnology and Oceanography*, 66(7):2762–2778, July 2021. CODEN LIOCAH. ISSN 0024-3590.

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[BVGQN22] Lucie Buttay, David A. Vasseur, Rafael González-Quirós, and Enrique Nogueira. Nutrient limitation can explain a rapid transition to synchrony in an upwelling-driven diatom community. *Limnology and Oceanography*, 67(S1):S298–S311, February 2022. CODEN LIOCAH. ISSN 0024-3590.

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[BVL+23] Maciej Bartosiewicz, Jessica Venetz, Saskia Läubli, Oscar Sepúlveda Steiner, Damien Bouffard, Jakob Zopfi, and Moritz F. Lehmann. Detritus-hosted methanogenesis sustains the methane paradox in an alpine lake. *Limnology and Oceanography*, 68(1):248–264, January 2023. CODEN LIOCAH. ISSN 0024-3590.

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[BVM+20] Ashley N. Bulseco, Joseph H. Vineis, Anna E. Murphy, Amanda C. Spivak, Anne E. Giblin, Jane Tucker, and Jennifer L. Bowen. Metagenomics coupled with biogeochemical rates measurements provide evidence that nitrate addition stimulates respiration in salt marsh sediments. *Limnology and Oceanography*, 66(6):S321–S339, January 2020. CODEN LIOCAH. ISSN 0024-3590.

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[BWB+22] Thomas R. Barnum, John Timothy Wootton, Rebecca J. Bixby, John M. Drake, David Murray-Stoker, Checo Colón-Gaud, Amanda T. Rugenski, Therese C. Frauendorf, Scott Connelly, Susan S. Kilham, Matt R. Whiles, Karen R. Lips, and Catherine M. Pringle. Mechanisms underlying lack of functional compensation by insect grazers after tadpole declines in a neotropical stream. *Limnology and Oceanography*, 67(S1):S198–S210, February 2022. CODEN LIOCAH. ISSN 0024-3590.

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[BWSW24] Konstanze Brinkop, Laura M. Wienhausen, Erik Sperfeld, and Alexander Wacker. Ingestion and respiration rates of a common coastal mysid respond differently to diurnal temperature fluctuation. *Limnology and Oceanography*, 69(2):380–389, February 2024. CODEN LIOCAH. ISSN 0024-3590.

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[BWV+20] Raven L. Bier, Jennifer J. Wernegreen, Rytas J. Vilgalys, Joseph Christopher Ellis, and Emily S. Bernhardt. Subsidized or stressed? Shifts in freshwater benthic microbial metagenomics along a gradient of alkaline coal mine drainage. *Limnology and Oceanography*, 66(6):S277–S292, January 2020. CODEN LIOCAH. ISSN 0024-3590.

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[BYB+23] Xiaopeng Bian, Shun-Chung Yang, Kenneth M. Bolster, Rintaro Moriyasu, James W. Moffett, and Seth G. John. Biogeochemical cycling of Cd, Mn, and Ce in the Eastern Tropical North Pacific oxygen-deficient zone. *Limnology and Oceanography*, 68(2):483–497, February 2023. CODEN LIOCAH. ISSN 0024-3590.

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[BYS+23] Martin Berggren, Linlin Ye, Ryan A. Sponseller, Ann-Kristin Bergström, Jan Karlsson, Hendricus Verheijen, and Geert Hensgens. Nutrient limitation masks the dissolved organic matter composition effects on bacterial metabolism in unproductive freshwaters. *Limnology and Oceanography*, 68(9): 2059–2069, September 2023. CODEN LIOCAH. ISSN 0024-3590.

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[BZK+22] Eric Bollinger, Jochen P. Zubrod, Marco Konschak, Lenz Sulzer, Jacob Schnurr, Verena C. Schreiner, Ralf Schulz, and Mirco Bundschuh. As above, so below? Effects of fungicides on microbial organic matter decomposition are stronger in the hyporheic than in the benthic zone. *Limnology and Oceanography*, 67(1):39–52, January 2022. CODEN LIOCAH. ISSN 0024-3590.

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[BZSF23] Ryan P. Bos, Shiye Zhao, Tracey T. Sutton, and Tamara M. Frank. Microplastic ingestion by deep-pelagic crustaceans and fishes. *Limnology and Oceanography*, 68(7):1595–1610, July 2023. CODEN LIOCAH. ISSN 0024-3590.

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[CAV+22] Stephen R. Carpenter, Babak M. S. Arani, Egbert H. Van Nes, Marten Scheffer, and Michael L. Pace. Resilience of phytoplankton dynamics to trophic cascades and nutrient enrichment. *Limnology and Oceanography*, 67(S1):S258–S265, February 2022. CODEN LIOCAH. ISSN 0024-3590.

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[CB21a] Emily Cavaliere and Helen M. Baulch. Winter in two phases: Long-term study of a shallow reservoir in winter. *Limnology*

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[CB21b] Willy Champenois and Alberto V. Borges. Net community metabolism of a *Posidonia oceanica* meadow. *Limnology and Oceanography*, 66(6):2126–2140, June 2021. CODEN LIOCAH. ISSN 0024-3590.

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[CBB+22] Eric Capo, Elias Broman, Stefano Bonaglia, Andrea G. Bravo, Stefan Bertilsson, Anne L. Soerensen, Jarone Pinhassi, Daniel Lundin, Moritz Buck, Per O. J. Hall, Francisco J. A. Nascimento, and Erik Björn. Oxygen-deficient water zones in the Baltic Sea promote uncharacterized Hg methylating microorganisms in underlying sediments. *Limnology and Oceanography*, 67(1):135–146, January 2022. CODEN LIOCAH. ISSN 0024-3590.

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[CBC+22] Travis A. Courtney, Hannah C. Barkley, Stephen Chan, Courtney S. Couch, Tye L. Kindinger, Thomas A. Oliver, David J. Kriegman, and Andreas J. Andersson. Rapid assessments of Pacific Ocean net coral reef carbonate budgets and net calcification following the 2014–2017 global coral bleaching event. *Limnology and Oceanography*, 67(8):1687–1700, August 2022. CODEN LIOCAH. ISSN 0024-3590.

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[CBD+23] Isabelle Cox, Robert J. W. Brewin, Giorgio Dall'Olmo, Katy Sheen, Shubha Sathyendranath, Rafael Rasse, and Osvaldo Ulloa. Distinct habitat and biogeochemical properties of low-oxygen-adapted tropical oceanic phytoplankton. *Limnology and Oceanography*, 68(9):2022–2039, September 2023. CODEN LIOCAH. ISSN 0024-3590.

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[CBF+23] Noémie Choisnard, Emma Burtscher, Stefan Forster, Claudia Frey, Matthias Moros, and Maren Voss. The Amazon shelf sediments, a reactor that fuels intense nitrogen cycling at the seabed. *Limnology and Oceanography*, 68(10):2211–2226, October 2023. CODEN LIOCAH. ISSN 0024-3590.

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[CBHB21] Alice M. Carter, Joanna R. Blaszczak, James B. Heffernan, and Emily S. Bernhardt. Hypoxia dynamics and spatial distribution in a low gradient river. *Limnology and Oceanography*, 66(6):2251–2265, June 2021. CODEN LIOCAH. ISSN 0024-3590.

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[CBN21] Bianca N. Cruz, Samantha Brozak, and Susanne Neuer. Microscopy and DNA-based characterization of sinking particles at the Bermuda Atlantic Time-series Study station point to zooplankton mediation of particle flux. *Limnology and Oceanography*, 66(10):3697–3713, October 2021. CODEN LIOCAH. ISSN 0024-3590.

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[CBPNA22] Charlotte Carrier-Belleau, Ludovic Pascal, Christian Nozais, and Philippe Archambault. Tipping points and multiple drivers in changing aquatic ecosystems: a review of experimental studies. *Limnology and Oceanography*, 67(S1):S312–S330, February 2022. CODEN LIOCAH. ISSN 0024-3590.

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[CBS+21] Marvin Choquet, Gauthier Burckard, Stig Skreslet, Galice Hoarau, and Janne E. Søreide. No evidence for hybridization between *Calanus finmarchicus* and *Calanus glacialis* in a subarctic area of sympatry. *Limnology and Oceanography*, 66(S1):S314–S325, February 2021. CODEN LIOCAH. ISSN 0024-3590.

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[CBT+21] Allison Coe, Steven J. Biller, Elaina Thomas, Konstantinos Boulias, Christina Bliem, Aldo Arellano, Keven Dooley, Anna N. Rasmussen, Kristen LeGault, Tyler J. O'Keefe, Sarah Stover, Eric L. Greer, and Sallie W. Chisholm. Coping with darkness: The adaptive response of marine picocyanobacteria to repeated light energy deprivation. *Limnology and Oceanography*, 66(9):3300–3312, September 2021. CODEN LIOCAH. ISSN 0024-3590.

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[CCA+21] Timothy J. Caldwell, Sudeep Chandra, Thomas P. Albright, Adrian A. Harpold, Thomas E. Dilts, Jonathan A. Greenberg, Steve Sadro, and Michael D. Dettinger. Drivers and

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[CCC+21] Michael R. S. Coffin, Jeff C. Clements, Luc A. Comeau, Thomas Guyondet, Michelle Maillet, Laura Steeves, Keryn Winterburn, José M. F. Babarro, Martin A. Mallet, Rémy Haché, Luke A. Poirier, Saswati Deb, and Ramon Filgueira. The killer within: Endogenous bacteria accelerate oyster mortality during sustained anoxia. *Limnology and Oceanography*, 66(7):2885–2900, July 2021. CODEN LIOCAH. ISSN 0024-3590.

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[CCFF21] Yi-Yang Chen, Paul Cooper, Christopher J. Fulton, and Rebecca J. Fox. Quantifying epifaunal secondary production within tropical macroalgal meadows: Seasonality and sensitivity to canopy structure. *Limnology and Oceanography*, 66 (12):4267–4284, December 2021. CODEN LIOCAH. ISSN 0024-3590.

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[CDW+24] Noémie Choisnard, Nicolas Noel Duprey, Tanja Wald, Martin Thibault, Fanny Houlbrèque, Alan D. Foreman, Pascale Cuet, Mireille M. M. Guillaume, Hubert Vonhof, Daniel M. Sigman, Gerald H. Haug, Jean-François Maguer, Stéphane L'Helguen, Alfredo Martínez-García, and Anne Lorrain. Tracing the fate of seabird-derived nitrogen in a coral reef using nitrate and coral skeleton nitrogen isotopes. *Limnology and Oceanography*, 69(2):309–324, February 2024. CODEN LIOCAH. ISSN 0024-3590.

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[CGL+21] Urania Christaki, Audrey Gueneugues, Yan Liu, Stéphane Blain, Philippe Catala, Jonathan Colombet, Pavla Debeljak, Ludwig Jardillier, Solène Irion, Fred Planchon, Ingrid Sassenhagen, Telesphore Sime-Ngando, and Ingrid Obernosterer. Seasonal microbial food web dynamics in contrasting Southern Ocean productivity regimes. *Limnology and Oceanography*, 66(1):108–122, January 2021. CODEN LIOCAH. ISSN 0024-3590.

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[CM20b] Alicia Cortés and Sally MacIntyre. Mixing processes in small Arctic lakes during spring. *Limnology and Oceanography*, 65 (2):260–288, February 2020. CODEN LIOCAH. ISSN 0024-3590.

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[CMCC24] Raisa S. A. Chielle, Rozane V. Marins, Mariany S. Cavalcante, and Luiz C. Cotovicz, Jr. Seasonal and spatial variability of CO_2 emissions in a large tropical mangrove-dominated delta. *Limnology and Oceanography*, 69(2):246–261, February 2024. CODEN LIOCAH. ISSN 0024-3590.

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[CML23] Marina Chauvet, Arthur Monjot, and Cécile Lepère. High diversity of microsporidian parasites and new planktonic hosts in freshwater and marine ecosystems. *Limnology and Oceanography*, 68(4):928–941, April 2023. CODEN LIOCAH. ISSN 0024-3590.

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[CPBJR+21] Jesus C. Compaire, Paula Pérez-Brunius, Sylvia Patricia Adelheid Jiménez-Rosenberg, Javier Rodríguez Outerelo, Laura del Pilar Echeverri García, and Sharon Z. Herzka. Connectivity of coastal and neritic fish larvae to the deep waters. *Limnology and Oceanography*, 66(6):2423–2441, June 2021. CODEN LIOCAH. ISSN 0024-3590.

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[CSC+21] Xiaogang Chen, Isaac R. Santos, Mitchell Call, Gloria M. S. Reithmaier, Damien Maher, Ceylena Holloway, Praktan D. Wadnerkar, Paula Gómez-Álvarez, Christian J. Sanders, and Ling Li. The mangrove CO_2 pump: Tidally driven porewater exchange. *Limnology and Oceanography*, 65(3):1563–1577, April 2021. CODEN LIOCAH. ISSN 0024-3590.

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[CSD+24] Brendan R. Carter, Jonathan D. Sharp, Andrew G. Dickson, Marta Álvarez, Michael B. Fong, Maribel I. García-Ibáñez, Ryan J. Woosley, Yuichiro Takeshita, Leticia Barbero, Robert H. Byrne, Wei-Jun Cai, Melissa Chierici, Simon L. Clegg, Regina A. Easley, Andrea J. Fassbender, Kalla L. Fleger, Xinyu Li, Macarena Martín-Mayor, Katelyn M. Schockman, and Zhaohui Aleck Wang. Uncertainty sources for measurable ocean carbonate chemistry variables. *Limnology and Oceanography*, 69(1):1–21, January 2024. CODEN LIOCAH. ISSN 0024-3590.

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[CSH21] Marvin Choquet, Irina Smolina, and Galice Hoarau. No evidence for hybridization in *Calanus*: Reply to the comment by Parent et al. *Limnology and Oceanography*, 66(10):3603–3606, October 2021. CODEN LIOCAH. ISSN 0024-3590. See [PPB+21].

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[DAB+21] Mi Duan, Julian R. Ashford, Sophie Bestley, Xiaoying Wei, Andrea Walters, and Guoping Zhu. Otolith chemistry of *Electrona antarctica* suggests a potential population marker distinguishing the southern Kerguelen Plateau from the eastward-flowing Antarctic Circumpolar Current. *Limnology and Oceanography*, 66(2):405–421, February 2021. CODEN LIOCAH. ISSN 0024-3590.

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[DAD+21] Jonathan P. Doubek, Orlane Anneville, Gaël Dur, Aleksandra M. Lewandowska, Vijay P. Patil, James A. Rusak, Nico Salmaso, Christian Torsten Seltmann, Dietmar Straile, Pablo Urrutia-Cordero, Patrick Venail, Rita Adrian, María B. Alfonso, Curtis L. DeGasperi, Elvira de Eyto, Heidrun Feuchtmayr, Evelyn E. Gaiser, Scott F. Girdner, Jennifer L. Graham, Hans-Peter Grossart, Josef Hejzlar, Stéphan Jacquet, Georgiy Kirillin, María E. Llames, Shin-Ichiro S. Matsuzaki, Emily R. Nodine, Maria Cintia Piccolo, Don C. Pierson, Alon Rimmer, Lars G. Rudstam, Steven Sadro, Hilary M. Swain, Stephen J. Thackeray, Wim Thiery, Piet Verburg, Tamar Zohary, and Jason D. Stockwell. The extent and variability of storm-induced temperature changes in lakes measured with long-term and high-frequency data. *Limnology and Oceanography*, 66(5):1979–1992, May 2021. CODEN LIOCAH. ISSN 0024-3590.

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[DBB+21] Pavla Debeljak, Stéphane Blain, Andrew Bowie, Pier van der Merwe, Barbara Bayer, and Ingrid Obernosterer. Homeostasis drives intense microbial trace metal processing on marine particles. *Limnology and Oceanography*, 66(10):3842–3855, October 2021. CODEN LIOCAH. ISSN 0024-3590.

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[DBFC24] Matthew R. Dunkle, J. Ryan Bellmore, Jason B. Fellman, and Christopher C. Caudill. Glaciers, snow, and rain: Water source influences invertebrate community structure and secondary production across a hydrologically diverse subarctic landscape. *Limnology and Oceanography*, 69(2):232–245, February 2024. CODEN LIOCAH. ISSN 0024-3590.

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[DBM+23] Travis W. Drake, Matti Barthel, Christian Ekemba Mbongo, Davin Mata Mpambi, Simon Baumgartner, Clement Ikene Botefa, Marijn Bauters, Martin R. Kurek, Robert G. M. Spencer, Amy M. McKenna, Negar Haghipour, Godé Lompoko Ekamba, Jose N. Wabakanghanzi, Timothy I. Eglinton, Kristof Van Oost, and Johan Six. Hydrology drives export and composition of carbon in a pristine tropical river. *Limnology and Oceanography*, 68(11):2476–2491, November 2023. CODEN LIOCAH. ISSN 0024-3590.

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[DLC+22] YingXun Du, ChunYan Luo, FeiZhou Chen, QiaoYing Zhang, YongQiang Zhou, Kyoung-Soon Jang, YiBo Zhang, ChunQiao Song, YongDong Zhang, YunLin Zhang, and Yue-Han Lu. Water depth and transparency drive the quantity and quality of organic matter in sediments of Alpine Lakes on the Tibetan Plateau. *Limnology and Oceanography*, 67 (9):1959–1975, September 2022. CODEN LIOCAH. ISSN 0024-3590.

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[DNB+20] Xavier Desmit, Anja Nohe, Alberto Vieira Borges, Theo Prins, Karien De Cauwer, Ruth Lagring, Dimitry Van der Zande, and Koen Sabbe. Changes in chlorophyll concentration and phenology in the North Sea in relation to de-eutrophication and sea surface warming. *Limnology and Oceanography*, 65(4):828–847, April 2020. CODEN LIOCAH. ISSN 0024-3590.

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[DSY20] Bridget R. Deemer, Edward G. Stets, and Charles B. Yackulic. Calcite precipitation in Lake Powell reduces alkalinity and total salt loading to the Lower Colorado River Basin. *Limnology and Oceanography*, 65(7):1439–1455, July 2020. CODEN LIOCAH. ISSN 0024-3590.

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[DWS+22] Sijia Dong, Xingchen Tony Wang, Adam V. Subhas, Frank J. Pavia, Jess F. Adkins, and William M. Berelson. Depth profiles of suspended carbon and nitrogen along a North Pacific transect: Concentrations, isotopes, and ratios. *Limnology and Oceanography*, 67(1):247–260, January 2022. CODEN LIOCAH. ISSN 0024-3590.

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[EAF+22] Hassan Elagami, Pouyan Ahmadi, Jan H. Fleckenstein, Sven Frei, Martin Obst, Seema Agarwal, and Benjamin S. Gilfedder. Measurement of microplastic settling velocities and implications for residence times in thermally stratified lakes. *Limnology and Oceanography*, 67(4):934–945, April 2022. CODEN LIOCAH. ISSN 0024-3590.

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[EBW+20] Meri Eichner, Subhajit Basu, Siyuan Wang, Dirk de Beer, and Yeala Shaked. Mineral iron dissolution in *Trichodesmium* colonies: The role of O_2 and pH microenvironments. *Limnology and Oceanography*, 65(6):1149–1160, June 2020. CODEN LIOCAH. ISSN 0024-3590.

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[EDC24] Peter J. Edmunds, Steve S. Doo, and Robert C. Carpenter. Effects of year-long exposure to elevated pCO_2 on the metabolism of back reef and fore reef communities. *Limnology and Oceanography*, 69(3):533–547, March 2024. CODEN LIOCAH. ISSN 0024-3590.

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[Edm21a] Peter J. Edmunds. Spatiotemporal variation in coral recruitment and its association with seawater temperature. *Limnology and Oceanography*, 65(3):1394–1408, April 2021. CODEN LIOCAH. ISSN 0024-3590.

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[Edm21b] Peter J. Edmunds. Vital rates of small reef corals are associated with variation in climate. *Limnology and Oceanography*, 66(3):901–913, March 2021. CODEN LIOCAH. ISSN 0024-3590.

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[EHC+22] Vinitha Ebenezer, Yingyu Hu, Olga Carnicer, Andrew J. Irwin, Michael J. Follows, and Zoe V. Finkel. Elemental and macromolecular composition of the marine chloropicophyceae, a major group of oceanic photosynthetic picoeukaryotes. *Limnology and Oceanography*, 67(3):540–551, March 2022. CODEN LIOCAH. ISSN 0024-3590.

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[EJRRC+23] Luis G. Egea, Rocío Jiménez-Ramos, Cristina Romera-Castillo, Isabel Casal-Porras, Paula Bonet-Melià, Alba Yamuza-Magdaleno, Lucía Cerezo-Sepúlveda, José L. Pérez-Lloréns, and Fernando G. Brun. Effect of marine heat waves on carbon metabolism, optical characterization, and bioavailability of dissolved organic carbon in coastal vegetated communities. *Limnology and Oceanography*, 68(2):467–482, February 2023. CODEN LIOCAH. ISSN 0024-3590.

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[ELS23] Kyle F. Edwards, Qian Li, and Grieg F. Steward. Ingestion kinetics of mixotrophic and heterotrophic flagellates. *Limnology and Oceanography*, 68(4):917–927, April 2023. CODEN LIOCAH. ISSN 0024-3590.

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[EST+24] Elvita Eglite, Sarah R. Stein, Benjamin A. Turschak, Gabriel J. Bowen, and Tomas O. Höök. Bidirectional energy subsidies for fish in river mouths of a large lake as revealed by stable isotopes and fatty acids. *Limnology and Oceanography*, 69(3):498–514, March 2024. CODEN LIOCAH. ISSN 0024-3590.

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[ESW+21] Elisabet Ejarque, Katharina Scholz, Georg Wohlfahrt, Tom J. Battin, Martin J. Kainz, and Jakob Schelker. Hydrology controls the carbon mass balance of a mountain lake in the eastern European Alps. *Limnology and Oceanography*, 66(6):2110–2125, June 2021. CODEN LIOCAH. ISSN 0024-3590.

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[FAB+20] Christina Fasching, Christian Akotoye, Mina Bižić, Jeremy Fonvielle, Danny Ionescu, Sabateeshan Mathavarajah, Luca Zoccarato, David A. Walsh, Hans-Peter Grossart, and Marguerite A. Xenopoulos. Linking stream microbial community functional genes to dissolved organic matter and inorganic nutrients. *Limnology and Oceanography*, 65(S1):S71–S87, January 2020. CODEN LIOCAH. ISSN 0024-3590.

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[FBK+22] C. Emi Fergus, J. Renée Brooks, Philip R. Kaufmann, Amina I. Pollard, Richard Mitchell, G. John Geldhof, Ryan A. Hill, Steven G. Paulsen, Paul Ringold, and Marc Weber. Natural and anthropogenic controls on lake water-level decline and evaporation-to-inflow ratio in the conterminous United States. *Limnology and Oceanography*, 67(7):1484–1501, July 2022. CODEN LIOCAH. ISSN 0024-3590.

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[FBP20] Leyden Fernandez, Stefan Bertilsson, and Sari Peura. Non-cyanobacterial diazotrophs dominate nitrogen-fixing commu-

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[GCW+23] Feiyang Ge, Bin Chen, Shaopeng Wang, Qianqian Zhou, Zhiyuan Ma, Guangcheng Chen, Weiwei Yu, Wenxuan Han,

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[GGHBS+20] Jorge García-Girón, Jani Heino, Lars Baastrup-Spohr, John Clayton, Mary de Winton, Tõnu Feldmann, Camino Fernández-Aláez, Frauke Ecke, Mark V. Hoyer, Agnieszka Kolada, Sarian Kosten, Balázs A. Lukács, Roger P. Mormul, Laila Rhazi, Mouhssine Rhazi, Laura Sass, Jun Xu, and Janne Alahuhta. Elements of lake macrophyte metacommunity structure: Global variation and community-environment relationships. *Limnology and Oceanography*, 66(6):2883–2895, December 2020. CODEN LIOCAH. ISSN 0024-3590.

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[GPK+21] Friederike Gründger, David Probandt, Katrin Knittel, Vincent Carrier, Dimitri Kalenitchenko, Anna Silyakova, Pavel Serov, Bénédicte Ferré, Mette M. Svenning, and Helge Niemann. Seasonal shifts of microbial methane oxidation in Arctic shelf waters above gas seeps. *Limnology and Oceanography*, 66(5):1896–1914, May 2021. CODEN LIOCAH. ISSN 0024-3590.

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[GRJ20] Luis Giménez, Peter Robins, and Stuart R. Jenkins. Role of trait combinations, habitat matrix, and network topology in metapopulation recovery from regional extinction. *Limnology and Oceanography*, 65(4):775–789, April 2020. CODEN LIOCAH. ISSN 0024-3590.

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[GRJ+22] Carla Geisen, Céline Ridame, Emilie Journet, Pierre Delmelle, Dominique Marie, Claire Lo Monaco, Nicolas Metzl, Rawaa Ammar, Joelle Kombo, and Damien Cardinal. Phytoplanktonic response to simulated volcanic and desert dust deposition events in the South Indian and Southern Oceans. *Limnology and Oceanography*, 67(7):1537–1553, July 2022. CODEN LIOCAH. ISSN 0024-3590.

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[GSG+17] Darren P. Giling, Peter A. Staehr, Hans Peter Grossart, Mikkel René Andersen, Bertram Boehrer, Carmelo Escot, Fatih Evrendilek, Lluís Gómez-Gener, Mark Honti, Ian D. Jones, Nusret Karakaya, Alo Laas, Enrique Moreno-Ostos, Karsten Rinke, Ulrike Scharfenberger, Silke R. Schmidt, Michael Weber, R. Iestyn Woolway, Jacob A. Zwart, and Biel Obrador. Delving deeper: Metabolic processes in the metalimnion of stratified lakes. *Limnology and Oceanography*, 63(3):1288–1306, May 2017. CODEN LIOCAH. ISSN 0024-3590. See corrigendum [Ano21a].

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[GSP+23] John Gale, Carey Sweeney, Sara Paver, Maureen L. Coleman, and Anne W. Thompson. Diverse and variable community structure of picophytoplankton across the Laurentian Great Lakes. *Limnology and Oceanography*, 68(10):2327–2345, October 2023. CODEN LIOCAH. ISSN 0024-3590.

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[GVF+23] Blaženka Gašparović, Ivna Vrana, Sanja Frka, Daniela Marić Pfannkuchen, Ivan Vlašiček, Tamara Djakovac, Ingrid Ivančić, Mirta Smodlaka Tanković, Andrea Milinković, Lana Flanjak, Frédéric Chaux, Tihana Novak, Nikola Medić, and Jelena Godrijan. Paradox of relatively more phospholipids in phytoplankton in phosphorus limited sea. *Limnology and Oceanography*, 68(12):2800–2813, December 2023. CODEN LIOCAH. ISSN 0024-3590.

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[GWS+21] Joanna Gauthier, David Walsh, Daniel T. Selbie, Alyssa Bourgeois, Katherine Griffiths, Isabelle Domaizon, and Irene Gregory-Eaves. Evaluating the congruence between DNA-based and morphological taxonomic approaches in water and sediment trap samples: Analyses of a 36-month time series from a temperate monomictic lake. *Limnology and Oceanography*, 66(8):3020–3039, August 2021. CODEN LIOCAH. ISSN 0024-3590.

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[GZX+22] Chaoxuan Guo, Mengyuan Zhu, Hai Xu, Yunlin Zhang, Boqiang Qin, Guangwei Zhu, and Jianjun Wang. Spatiotemporal dependency of resource use efficiency on phytoplankton diversity in Lake Taihu. *Limnology and Oceanography*, 67(4): 830–842, April 2022. CODEN LIOCAH. ISSN 0024-3590.

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[HABL+21] Lara Hughes-Allen, Frédéric Bouchard, Isabelle Laurion, Antoine Séjourné, Christelle Marlin, Christine Hatté, François Costard, Alexander Fedorov, and Alexey Desyatkin. Seasonal patterns in greenhouse gas emissions from thermokarst lakes in Central Yakutia (Eastern Siberia). *Limnology and Oceanography*, 66(S1):S98–S116, February 2021. CODEN LIOCAH. ISSN 0024-3590.

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[Ham22] K. David Hambright. Editorial. *Limnology and Oceanography*, 67(3):523–526, March 2022. CODEN LIOCAH. ISSN 0024-3590.

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[HANW21] Per Hedberg, Séréna Albert, Francisco J. A. Nascimento, and Monika Winder. Effects of changing phytoplankton species composition on carbon and nitrogen uptake in benthic invertebrates. *Limnology and Oceanography*, 66(2):469–480, February 2021. CODEN LIOCAH. ISSN 0024-3590.

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[HBG+22] Nils Haëntjens, Emmanuel S. Boss, Jason R. Graff, Alison P. Chase, and Lee Karp-Boss. Phytoplankton size distributions in the western North Atlantic and their seasonal variability. *Limnology and Oceanography*, 67(8):1865–1878, August 2022. CODEN LIOCAH. ISSN 0024-3590.

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[HBR+22] Astrid Hylén, Stefano Bonaglia, Elizabeth Robertson, Ugo Marzocchi, Mikhail Kononets, and Per O. J. Hall. Enhanced benthic nitrous oxide and ammonium production after natural oxygenation of long-term anoxic sediments. *Limnology and Oceanography*, 67(2):419–433, February 2022. CODEN LIOCAH. ISSN 0024-3590.

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[HBS+22] Søren Hallstrøm, Mar Benavides, Ellen R. Salamon, Clayton W. Evans, Lindsey J. Potts, Julie Granger, Craig R. Tobias, Pia H. Moisander, and Lasse Riemann. Pelagic N_2 fixation dominated by sediment diazotrophic communities in a shallow temperate estuary. *Limnology and Oceanography*, 67 (2):364–378, February 2022. CODEN LIOCAH. ISSN 0024-3590.

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[HBY+22] Justin C. Havird, Pamela M. Brannock, Reyn M. Yoshioka, Rebecca C. Vaught, Kaile'a Carlson, Collin Edwards, Allison Tracy, Cornelia W. Twining, Yun Zheng, David Chai, Alan E. Wilson, Nelson G. Hairston, and Scott R. Santos. Grazing by an endemic atyid shrimp controls microbial communities in the Hawaiian anchialine ecosystem. *Limnology and Oceanography*, 67(9):2012–2027, September 2022. CODEN LIOCAH. ISSN 0024-3590.

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[HEH+20] Lars-Anders Hansson, Mattias K. Ekvall, Liang He, Zhongqiang Li, Marie Svensson, Pablo Urrutia-Cordero, and Huan Zhang. Different climate scenarios alter dominance patterns among aquatic primary producers in temperate systems. *Limnology and Oceanography*, 65(10):2328–2336, October 2020. CODEN LIOCAH. ISSN 0024-3590.

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[HFL+20] Yota Harada, Brian Fry, Shing Yip Lee, Damien T. Maher, James Z. Sippo, and Rod M. Connolly. Stable isotopes indicate ecosystem restructuring following climate-driven mangrove dieback. *Limnology and Oceanography*, 65(6):1251–1263, June 2020. CODEN LIOCAH. ISSN 0024-3590.

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[HGH+21] Alexander D. Huryn, Michael N. Gooseff, Patrick J. Hendrickson, Martin A. Briggs, Ken D. Tape, and Neil C. Terry. *Aufeis* fields as novel groundwater-dependent ecosystems in the Arctic cryosphere. *Limnology and Oceanography*, 66(3):607–624, March 2021. CODEN LIOCAH. ISSN 0024-3590.

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[HHK+22] Meredith A. Holgerson, Rachel A. Hovel, Patrick T. Kelly, Lauren E. Bortolotti, Jennifer A. Brentrup, Amber R. Bellamy, Samantha K. Oliver, and Alexander J. Reisinger. Integrating ecosystem metabolism and consumer allochthony reveals nonlinear drivers in lake organic matter processing. *Limnology and Oceanography*, 67(S1):S71–S85, February 2022. CODEN LIOCAH. ISSN 0024-3590.

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[HHMH22] Katherine Ann Haviland, Robert Warren Howarth, Roxanne Marino, and Melanie Hayn. Variation in sediment and seagrass characteristics reflect multiple stressors along a nitrogen-enrichment gradient in a New England lagoon. *Limnology and Oceanography*, 67(3):660–672, March 2022. CODEN LIOCAH. ISSN 0024-3590.

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[HM20] Jeff C. Ho and Anna M. Michalak. Exploring temperature and precipitation impacts on harmful algal blooms across continental U.S. lakes. *Limnology and Oceanography*, 65(5): 992–1009, May 2020. CODEN LIOCAH. ISSN 0024-3590.

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[HMB+22] Daniel K. Hoffman, Mark J. McCarthy, Ashlynn R. Boedecker, Justin A. Myers, and Silvia E. Newell. The role of internal nitrogen loading in supporting non-N-fixing harmful cyanobacterial blooms in the water column of a large eutrophic lake. *Limnology and Oceanography*, 67(9):2028–2041, September 2022. CODEN LIOCAH. ISSN 0024-3590.

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[HMBB21] Emily M. Herstoff, Cédric L. Meunier, Maarten Boersma, and Stephen B. Baines. Leveraging differences in multiple prey traits allows selective copepods to meet their threshold elemental ratios. *Limnology and Oceanography*, 66(7):2914–2922, July 2021. CODEN LIOCAH. ISSN 0024-3590.

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[HMP+21] Vanessa Hatje, Pere Masqué, Vinicus F. Patire, Antonio Dórea, and Francisco Barros. Blue carbon stocks, accumulation rates, and associated spatial variability in Brazilian mangroves. *Limnology and Oceanography*, 66(2):321–334, February 2021. CODEN LIOCAH. ISSN 0024-3590.

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[HNS21] Minna Hiltunen, Hannu Nykänen, and Jari Syväranta. The influence of lipid content and taxonomic affiliation on methane and carbon dioxide production from phytoplankton biomass in lake sediment. *Limnology and Oceanography*, 66(5):1915–1925, May 2021. CODEN LIOCAH. ISSN 0024-3590.

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[HOB+22] Tabea Hildebrand, Helena Osterholz, Carina Bunse, Hendrik Grotheer, Thorsten Dittmar, and Peter J. Schupp. Transformation of dissolved organic matter by two Indo-Pacific sponges. *Limnology and Oceanography*, 67(11):2483–2496, November 2022. CODEN LIOCAH. ISSN 0024-3590.

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[HPB+21] Martijn Hermans, Marina Astudillo Pascual, Thilo Behrends, Wytze K. Lenstra, Daniel J. Conley, and Caroline P. Slomp. Coupled dynamics of iron, manganese, and phosphorus in brackish coastal sediments populated by cable bacteria. *Limnology and Oceanography*, 66(7):2611–2631, July 2021. CODEN LIOCAH. ISSN 0024-3590.

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[HPCH24] Eric J. Hochberg, Chiara Pisapia, Robert C. Carpenter, and Siarah Hall. Light-use efficiency for coral reef communities and benthic functional types. *Limnology and Oceanography*, 69(3):712–722, March 2024. CODEN LIOCAH. ISSN 0024-3590.

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[HPF+23] Audra Hinson, Spiro Papoulis, Lucas Fiet, Margaret Knight, Priscilla Cho, Brielle Szeltner, Ioannis Sgouralis, and David Talmy. A model of algal-virus population dynamics reveals underlying controls on material transfer. *Limnology and Oceanography*, 68(1):165–180, January 2023. CODEN LIOCAH. ISSN 0024-3590.

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[HSB+20] William D. Hintz, Matthew S. Schuler, Jonathan J. Borrelli, Lawrence W. Eichler, Aaron B. Stoler, Vincent W. Moriarty, Laurie E. Ahrens, Charles W. Boylen, Sandra A. Nierzwicki-Bauer, and Rick A. Relyea. Concurrent improvement and deterioration of epilimnetic water quality in an oligotrophic lake over 37 years. *Limnology and Oceanography*, 65(5):927–938, May 2020. CODEN LIOCAH. ISSN 0024-3590.

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[HSP+20] Jordan A. Hollarsmith, Jason S. Sadowski, Manon M. M. Picard, Brian Cheng, James Farlin, Ann Russell, and Edwin D. Grosholz. Effects of seasonal upwelling and runoff on water chemistry and growth and survival of native and commercial oysters. *Limnology and Oceanography*, 65(2):224–235, February 2020. CODEN LIOCAH. ISSN 0024-3590.

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[IMB+22] Miguel Iniesto, David Moreira, Karim Benzerara, Guillaume Reboul, Paola Bertolino, Rosaluz Tavera, and Purificación López-García. Planktonic microbial communities from microbialite-bearing lakes sampled along a salinity-alkalinity gradient. *Limnology and Oceanography*, 67(12):2718–2733, December 2022. CODEN LIOCAH. ISSN 0024-3590.

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[IOS24] Rei Itsukushima, Kazuaki Ohtsuki, and Tatsuro Sato. Drivers of rising monthly water temperature in river estuaries. *Limnology and Oceanography*, 69(3):589–603, March 2024. CODEN LIOCAH. ISSN 0024-3590.

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[IYW+22] Alain Isabwe, Jun R. Yang, Yongming Wang, David M. Wilkinson, Emily B. Graham, Huihuang Chen, and Jun Yang. Riverine bacterioplankton and phytoplankton assembly along an environmental gradient induced by urbanization. *Limnology and Oceanography*, 67(9):1943–1958, September 2022. CODEN LIOCAH. ISSN 0024-3590.

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[JHvL+23] Elizabeth M. Jones, Sian F. Henley, Maria A. van Leeuwe, Jacqueline Stefels, Michael P. Meredith, Mairi Fenton, and Hugh J. Venables. Carbon and nutrient cycling in Antarctic landfast sea ice from winter to summer. *Limnology and Oceanography*, 68(1):208–231, January 2023. CODEN LIOCAH. ISSN 0024-3590.

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[JSW+21] Yuval Jacobi, Noa Shenkar, J. Evan Ward, Maria Rosa, Guy Z. Ramon, Uri Shavit, and Gitai Yahel. Evasive plankton: Size-independent particle capture by ascidians. *Limnology and Oceanography*, 66(4):1009–1020, April 2021. CODEN LIOCAH. ISSN 0024-3590.

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[KDV+23] Kristy J. Kroeker, Emily M. Donham, Kate Vylet, Joseph K. Warren, Julia Cheresh, Jerome Fiechter, Jan Freiwald, and Yuichiro Takeshita. Exposure to extremes in multiple global change drivers: Characterizing pH, dissolved oxygen, and temperature variability in a dynamic, upwelling dominated ecosystem. *Limnology and Oceanography*, 68(7):1611–1623, July 2023. CODEN LIOCAH. ISSN 0024-3590.

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[KHCG+22] Johannes Renke Krause, Alejandro Hinojosa-Corona, Andrew B. Gray, Juan Carlos Herguera, Julianna McDonnell,

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[KHSP21] Natalia Krempaska, Karel Hornńák, Marisa O. D. Silva, and Jakob Pernthaler. Spatial microheterogeneity and selective microbial consumption of dissolved free amino acids in an oligomesotrophic lake. *Limnology and Oceanography*, 66(10): 3728–3739, October 2021. CODEN LIOCAH. ISSN 0024-3590.

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[Kir20] David L. Kirchman. Editorial: Metagenomics in *Limnology and Oceanography*. *Limnology and Oceanography*, 65(S1):S1, January 2020. CODEN LIOCAH. ISSN 0024-3590.

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[KKA22] Karan Kakouei, Benjamin M. Kraemer, and Rita Adrian. Variation in the predictability of lake plankton metric types. *Limnology and Oceanography*, 67(3):608–620, March 2022. CODEN LIOCAH. ISSN 0024-3590.

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[KMM+22] Riss M. Kellogg, Dawn M. Moran, Matthew R. McIlvin, Adam V. Subhas, Andrew E. Allen, and Mak A. Saito. Lack of a Zn/Co substitution ability in the polar diatom *Chaetoceros neogracile* RS19. *Limnology and Oceanography*, 67(10): 2265–2280, October 2022. CODEN LIOCAH. ISSN 0024-3590.

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[KPG+23] E. Henriikka Kivilä, Vilmantas Prėskienis, Noémie Gaudreault, Catherine Girard, and Milla Rautio. Variability in lake bacterial growth and primary production under lake ice: Evidence from early winter to spring melt. *Limnology and Oceanography*, 68(11):2603–2616, November 2023. CODEN LIOCAH. ISSN 0024-3590.

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[KPL+20] Mikko Kiljunen, Heikki Peltonen, Maiju Lehtiniemi, Laura Uusitalo, Tuula Sinisalo, Joanna Norkko, Mervi Kunnasranta, Jyrki Torniainen, Antti J. Rissanen, and Juha Karjalainen. Benthic-pelagic coupling and trophic relationships in northern Baltic Sea food webs. *Limnology and Oceanography*, 65(8):1706–1722, August 2020. CODEN LIOCAH. ISSN 0024-3590.

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[KPM+20] Jolanta Kazmierczak, Dieke Postma, Sascha Müller, Søren Jessen, Bertel Nilsson, Joanna Czekaj, and Peter Engesgaard. Groundwater-controlled phosphorus release and transport from sandy aquifer into lake. *Limnology and Oceanography*, 66(5):2188–2204, September 2020. CODEN LIOCAH. ISSN 0024-3590.

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[KPNJ23] Mihir R. Kulkarni, Shruti V. Paripatyadar, Rohit Naniwadekar, and Jahnavi Joshi. Local-scale abiotic factors influence the organization of rock pool arthropod communities in a biodiversity hotspot. *Limnology and Oceanography*, 68(10):2375–2388, October 2023. CODEN LIOCAH. ISSN 0024-3590.

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[KSH+23] McKenzie A. Kuhn, Megan Schmidt, Liam Heffernan, Jördis Stührenberg, Klaus-Holger Knorr, Cristian Estop-Aragonés, Tanja Broder, Regina Gonzalez Moguel, Peter M. J. Douglas, and David Olefeldt. High ebullitive, millennial-aged greenhouse gas emissions from thermokarst expansion of peatland lakes in boreal western Canada. *Limnology and Oceanography*, 68(2):498–513, February 2023. CODEN LIOCAH. ISSN 0024-3590.

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[KSI24] Wim J. Kimmerer, Anne M. Slaughter, and Toni R. Ignoffo. Copepod egg production estimates are biased by female mortality. *Limnology and Oceanography*, 69(2):408–421, February 2024. CODEN LIOCAH. ISSN 0024-3590.

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[KWB21] Hannah Kreczak, Andrew J. Willmott, and Andrew W. Baggaley. Subsurface dynamics of buoyant microplastics subject to algal biofouling. *Limnology and Oceanography*, 66(9): 3287–3299, September 2021. CODEN LIOCAH. ISSN 0024-3590.

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[LAB+22] Catherine E. Lovelock, M. Fernanda Adame, Don W. Butler, Jeffrey J. Kelleway, Sabine Dittmann, Benedikt Fest, Karen J. King, Peter I. Macreadie, Katherine Mitchell, Mark Newnham, Anne Ola, Christopher J. Owers, and Nina Welti. Modeled approaches to estimating blue carbon accumulation with mangrove restoration to support a blue carbon accounting method for Australia. *Limnology and Oceanography*, 67 (S2):S50–S60, November 2022. CODEN LIOCAH. ISSN 0024-3590.

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[LAD+22] Robert Ladwig, Alison P. Appling, Austin Delany, Hilary A. Dugan, Qiantong Gao, Noah Lottig, Jemma Stachelek, and Paul C. Hanson. Long-term change in metabolism phenology in north temperate lakes. *Limnology and Oceanography*, 67 (7):1502–1521, July 2022. CODEN LIOCAH. ISSN 0024-3590.

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[LAFV23] Tom J. Langbehn, Johanna M. Aarflot, Jennifer J. Freer, and Øystein Varpe. Visual predation risk and spatial distributions of large Arctic copepods along gradients of sea ice and bottom depth. *Limnology and Oceanography*, 68(6): 1388–1405, June 2023. CODEN LIOCAH. ISSN 0024-3590.

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[LAMG+22] María López-Acosta, Manuel Maldonado, Jacques Grall, Axel Ehrhold, Cèlia Sitjà, Cristina Galobart, Fiz F. Pérez, and Aude Leynaert. Sponge contribution to the silicon cycle of a diatom-rich shallow bay. *Limnology and Oceanography*, 67(11):2431–2447, November 2022. CODEN LIOCAH. ISSN 0024-3590.

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[LBBM21] Richard LaBrie, Simon Bélanger, Ronald Benner, and Roxane Maranger. Spatial abundance distribution of prokaryotes is associated with dissolved organic matter composition and ecosystem function. *Limnology and Oceanography*, 66(3): 575–587, March 2021. CODEN LIOCAH. ISSN 0024-3590.

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[LBG+22] Anna Lichtschlag, Ulrike Braeckman, Katja Guilini, Soeren Ahmerkamp, Rachael H. James, and Dirk de Beer. Impact of shallow-water hydrothermal seepage on benthic biogeochemical cycling, nutrient availability, and meiobenthic communities in a tropical coral reef. *Limnology and Oceanography*, 67(3):567–584, March 2022. CODEN LIOCAH. ISSN 0024-3590.

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[LBJS22] Josianne Lachapelle, Elvire Bestion, Eleanor E. Jackson, and C.-Elisa Schaum. Presence of a resident species aids invader evolution. *Limnology and Oceanography*, 67(10):2252–2264, October 2022. CODEN LIOCAH. ISSN 0024-3590.

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[LBvE23] Jacqueline Lange, Amelie Cara Berges, and Eric von Elert. Multiclonal study of *Daphnia magna* with respect to adaptation to toxic cyanobacteria. *Limnology and Oceanography*, 68 (2):514–524, February 2023. CODEN LIOCAH. ISSN 0024-3590.

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[LCHB22] Camilla Liénart, Alyssa R. Cirtwill, Melanie L. Hedgespeth, and Clare Bradshaw. A sprinkling of gold dust: Pine pollen as a carbon source in Baltic Sea coastal food webs. *Limnology and Oceanography*, 67(1):53–65, January 2022. CODEN LIOCAH. ISSN 0024-3590.

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[LCM+22] Kristy A. Lewis, Robert R. Christian, Charles W. Martin, Kira L. Allen, Ashley M. McDonald, Victoria M. Roberts, Michelle N. Shaffer, and John F. Valentine. Complexities of disturbance response in a marine food web. *Limnology and Oceanography*, 67(S1):S352–S364, February 2022. CODEN LIOCAH. ISSN 0024-3590.

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[LCMG+20] Emmanuel C. Laurenceau-Cornec, Frédéric A. C. Le Moigne, Morgane Gallinari, Brivaëla Moriceau, Jordan Toullec, Morten H. Iversen, Anja Engel, and Christina L. De La Rocha. New guidelines for the application of Stokes' models to the sinking velocity of marine aggregates. *Limnology and Oceanography*, 65(6):1264–1285, June 2020. CODEN LIOCAH. ISSN 0024-3590.

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[LCS+20] Wenwen Liu, Xincong Chen, Donald R. Strong, Steven C. Pennings, Matthew L. Kirwan, Xiaolin Chen, and Yihui Zhang. Climate and geographic adaptation drive latitudinal clines in biomass of a widespread saltmarsh plant in its native and introduced ranges. *Limnology and Oceanography*, 65(6):1399–1409, June 2020. CODEN LIOCAH. ISSN 0024-3590.

Liu:2021:WCM

[LCZ+21] Kailin Liu, Bingzhang Chen, Liping Zheng, Suhong Su, Bangqin Huang, Mianrun Chen, and Hongbin Liu. What controls microzooplankton biomass and herbivory rate across marginal seas of China? *Limnology and Oceanography*, 66(1): 61–75, January 2021. CODEN LIOCAH. ISSN 0024-3590.

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[LDB+21] Xin Liu, Gaël Dur, Syuhei Ban, Yoichiro Sakai, Shinsuke Ohmae, and Takashi Morita. Quasi-decadal periodicities in growth and production of the copepod *Eodiaptomus japonicus* in Lake Biwa, Japan, related to the Arctic Oscillation. *Limnology and Oceanography*, 66(10):3783–3795, October 2021. CODEN LIOCAH. ISSN 0024-3590.

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[LDG+21] Robert M. Levine, Alex De Robertis, Daniel Grünbaum, Rebecca Woodgate, Calvin W. Mordy, Franz Mueter, Edward Cokelet, Noah Lawrence-Slavas, and Heather Tabisola. Autonomous vehicle surveys indicate that flow reversals retain juvenile fishes in a highly advective high-latitude ecosystem. *Limnology and Oceanography*, 66(4):1139–1154, April 2021. CODEN LIOCAH. ISSN 0024-3590.

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[LDGB+23] Carmen Leiva-Dueñas, Anna Elizabeth Løvgren Graversen, Gary T. Banta, Marianne Holmer, Pere Masque, Peter Anton Upadhyay Stæhr, and Dorte Krause-Jensen. Capturing of organic carbon and nitrogen in eelgrass sediments of southern Scandinavia. *Limnology and Oceanography*, 68(3): 631–648, March 2023. CODEN LIOCAH. ISSN 0024-3590.

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[LDS+20] Wei Li, John E. Dore, August J. Steigmeyer, Yong-Joon Cho, Ok-Sun Kim, Yongqin Liu, Rachael M. Morgan-Kiss, Mark L. Skidmore, and John C. Priscu. Methane production in the oxygenated water column of a perennially ice-covered Antarctic lake. *Limnology and Oceanography*, 65(1):143–156, January 2020. CODEN LIOCAH. ISSN 0024-3590.

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Li:2021:PGE

[LES+21] Qian Li, Kyle F. Edwards, Christopher R. Schvarcz, Karen E. Selph, and Grieg F. Steward. Plasticity in the grazing ecophysiology of *Florenciella* (Dichtyochophyceae), a mixotrophic nanoflagellate that consumes *Prochlorococcus* and other bacteria. *Limnology and Oceanography*, 66(1):47–60, January 2021. CODEN LIOCAH. ISSN 0024-3590.

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[LG21] Priscilla K. Le Mézo and Eric D. Galbraith. The fecal iron pump: Global impact of animals on the iron stoichiometry

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[LGF22] Zezheng Liu, Olivier Gourgue, and Sergio Fagherazzi. Biotic and abiotic factors control the geomorphic characteristics of channel networks in salt marshes. *Limnology and Oceanography*, 67(1):89–101, January 2022. CODEN LIOCAH. ISSN 0024-3590.

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[LGI+20] Alyse A. Larkin, Catherine A. Garcia, Kimberly A. Ingoglia, Nathan S. Garcia, Steven E. Baer, Benjamin S. Twining, Michael W. Lomas, and Adam C. Martiny. Subtle biogeochemical regimes in the Indian Ocean revealed by spatial and diel frequency of *Prochlorococcus* haplotypes. *Limnology and Oceanography*, 66(6):S220–S232, January 2020. CODEN LIOCAH. ISSN 0024-3590.

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[LHD+20] Annika Linkhorst, Carolin Hiller, Tonya DelSontro, Guilherme M. Azevedo, Nathan Barros, Raquel Mendonça, and Sebastian Sobek. Comparing methane ebullition variability across space and time in a Brazilian reservoir. *Limnology and Oceanography*, 65(7):1623–1634, July 2020. CODEN LIOCAH. ISSN 0024-3590.

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[LHGJ21] Frasier L. Liljestrand, Anxhela Hania, Mario Giordano, and David T. Johnston. Calibrating the triple oxygen isotope signature of cultured diatoms. *Limnology and Oceanography*, 66(12):4254–4266, December 2021. CODEN LIOCAH. ISSN 0024-3590.

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[LHMR23] Laura A. Logozzo, Jacob D. Hosen, Johnae McArthur, and Peter A. Raymond. Distinct drivers of two size fractions of operationally dissolved iron in a temperate river. *Limnology and Oceanography*, 68(6):1185–1200, June 2023. CODEN LIOCAH. ISSN 0024-3590.

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[LHS+20] Fan-Sian Lin, Pei-Chi Ho, Akash R. Sastri, Chung-Chi Chen, Gwo-Ching Gong, Sen Jan, and Chih hao Hsieh. Resource availability affects temporal variation of phytoplankton size structure in the Kuroshio east of Taiwan. *Limnology and Oceanography*, 65(2):236–246, February 2020. CODEN LIOCAH. ISSN 0024-3590.

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[LHS+21] Wytze K. Lenstra, Martijn Hermans, Marie J. M. Séguret, Rob Witbaard, Silke Severmann, Thilo Behrends, and Caroline P. Slomp. Coastal hypoxia and eutrophication as key controls on benthic release and water column dynamics of iron and manganese. *Limnology and Oceanography*, 66(3): 807–826, March 2021. CODEN LIOCAH. ISSN 0024-3590.

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[LL23] Xiaoqing Liu and Yiming Luo. Influence of terrigenous supply from the African continent on sedimentary $CaCO_3$ distribution in the Southeast Atlantic Ocean. *Limnology and Oceanography*, 68(1):14–25, January 2023. CODEN LIOCAH. ISSN 0024-3590.

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[LLBC20] Mary E. Lofton, Taylor H. Leach, Beatrix E. Beisner, and Cayelan C. Carey. Relative importance of top-down vs. bottom-up control of lake phytoplankton vertical distributions varies among fluorescence-based spectral groups. *Lim-*

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[LLC21] Brianna Levenstein, Jennifer Lento, and Joseph Culp. Effects of prolonged sedimentation from permafrost degradation on macroinvertebrate drift in Arctic streams. *Limnology and Oceanography*, 66(S1):S157–S168, February 2021. CODEN LIOCAH. ISSN 0024-3590.

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[LLC+23] Qibin Lao, Xuan Lu, Fajin Chen, Guangzhe Jin, Chunqing Chen, Xin Zhou, and Qingmei Zhu. Effects of upwelling and runoff on water mass mixing and nutrient supply induced by typhoons: Insight from dual water isotopes tracing. *Limnology and Oceanography*, 68(1):284–295, January 2023. CODEN LIOCAH. ISSN 0024-3590.

Li:2022:SCA

[LLK+22] Lan Li, Yiming Luo, Markus Kienast, Di Qi, and Jerry Tjiputra. On the sedimentary carbonate accumulation and dissolution in Western Pacific marginal basins. *Limnology and Oceanography*, 67(1):26–38, January 2022. CODEN LIOCAH. ISSN 0024-3590.

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[LLL+23] Etai Landou, Boaz Lazar, Julie LaRoche, Katja Fennel, and Ilana Berman-Frank. Contribution of photic and aphotic N_2 fixation to production in an oligotrophic sea. *Limnology and Oceanography*, 68(3):692–708, March 2023. CODEN LIOCAH. ISSN 0024-3590.

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[LLMM+23] Manon Laget, Natalia Llopis-Monferrer, Jean-François Maguer, Aude Leynaert, and Tristan Biard. Elemental content allometries and silicon uptake rates of planktonic *Rhizaria*: Insights into their ecology and role in biogeochemical cycles. *Limnology and Oceanography*, 68(2):439–454, February 2023. CODEN LIOCAH. ISSN 0024-3590.

Li:2024:CIV

[LLSQ24] Jing-Jing Li, Zheng-Yi Liu, Wang-Hui Song, and Song Qin. The contribution of intraspecific variation to future climate responses of brown algae. *Limnology and Oceanography*, 69

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[LLTT+24] Hongxue Luo, Songlin Liu, Stacey M. Trevathan-Tackett, Yuzheng Ren, Jiening Liang, Jinlong Li, Zhijian Jiang, Yunchao Wu, and Xiaoping Huang. Nitrogen enrichment decreases seagrass contributions to refractory organic matter pools. *Limnology and Oceanography*, 69(2):367–379, February 2024. CODEN LIOCAH. ISSN 0024-3590.

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[LM24] Richard LaBrie and Roxane Maranger. Predicting the presence of hypoxic hypolimnia in lakes at large spatial scales. *Limnology and Oceanography*, 69(2):355–366, February 2024. CODEN LIOCAH. ISSN 0024-3590.

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[LMC+21] Sarah M. Laperriere, Michael Morando, Douglas G. Capone, Troy Gunderson, Jason M. Smith, and Alyson E. Santoro. Nitrification and nitrous oxide dynamics in the Southern California Bight. *Limnology and Oceanography*, 66(4):1099–1112, April 2021. CODEN LIOCAH. ISSN 0024-3590.

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[LMM+21] Isabelle Laurion, Philippe Massicotte, Flora Mazoyer, Karita Negandhi, and Natalie Mladenov. Weak mineralization despite strong processing of dissolved organic matter in Eastern Arctic tundra ponds. *Limnology and Oceanography*, 66(S1): S47–S63, February 2021. CODEN LIOCAH. ISSN 0024-3590.

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[LMP+20] Michael P. Lesser, Benjamin Mueller, M. Sabrina Pankey, Keir J. Macartney, Marc Slattery, and Jasper M. de Goeij. Depth-dependent detritus production in the sponge, *Halisarca caerulea*. *Limnology and Oceanography*, 65(6):1200–1216, June 2020. CODEN LIOCAH. ISSN 0024-3590.

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[LMS+21] Cybelle Menolli Longhini, Léo Mahieu, Fabian Sá, Constant M. G. van den Berg, Pascal Salaün, and Renato Rodrigues Neto. Coastal waters contamination by mining tailings: What triggers the stability of iron in the dissolved and

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[LMS23] Michael P. Lesser, Keir J. Macartney, and Marc Slattery. Production of phytodetritus by a coral reef sponge increases from shallow to mesophotic depths. *Limnology and Oceanography*, 68(6):1247–1255, June 2023. CODEN LIOCAH. ISSN 0024-3590.

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[LMSN23] Amanda C. Lohmann, Joseph P. Morton, Oscar M. Schofield, and Douglas P. Nowacek. Cyclical prey shortages for a marine polar predator driven by the interaction of climate change and natural climate variability. *Limnology and Oceanography*, 68(12):2668–2687, December 2023. CODEN LIOCAH. ISSN 0024-3590.

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[LN21] Tricia Light and Richard Norris. Quantitative visual analysis of marine barite microcrystals: Insights into precipitation and dissolution dynamics. *Limnology and Oceanography*, 66(10):3619–3629, October 2021. CODEN LIOCAH. ISSN 0024-3590.

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[LNC+23] Kailin Liu, Jun Nishioka, Bingzhang Chen, Koji Suzuki, Shunyan Cheung, Yanhong Lu, Huijun Wu, and Hongbin Liu. Role of nutrients and temperature in shaping distinct summer phytoplankton and microzooplankton population dynamics in the western North Pacific and Bering Sea. *Limnology and Oceanography*, 68(3):649–665, March 2023. CODEN LIOCAH. ISSN 0024-3590.

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[LNR+20] Daniel Leduc, Scott D. Nodder, Ashley A. Rowden, Max Gibbs, Katrin Berkenbusch, Anna Wood, Fabio De Leo, Craig Smith, Julie Brown, Sarah J. Bury, and Arne Pallentin. Structure of infaunal communities in New Zealand submarine canyons is linked to origins of sediment organic matter. *Limnology and Oceanography*, 65(10):2303–2327, October 2020. CODEN LIOCAH. ISSN 0024-3590.

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[LOW+20] Aurelie Labarre, Aleix Obiol, Susanne Wilken, Irene Forn, and Ramon Massana. Expression of genes involved in phagocytosis in uncultured heterotrophic flagellates. *Limnology and Oceanography*, 65(S1):S149–S160, January 2020. CODEN LIOCAH. ISSN 0024-3590.

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[LPA+23] Noam Lotem, André Pellerin, Katey Walter Anthony, Almog Gafni, Valeria Boyko, and Orit Sivan. Anaerobic oxidation of methane does not attenuate methane emissions from thermokarst lakes. *Limnology and Oceanography*, 68(6):1316–1330, June 2023. CODEN LIOCAH. ISSN 0024-3590.

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[LPMBR23] Elizabeth León-Palmero, Rafael Morales-Baquero, and Isabel Reche. P inputs determine denitrifier abundance explaining dissolved nitrous oxide in reservoirs. *Limnology and Oceanography*, 68(8):1734–1749, August 2023. CODEN LIOCAH. ISSN 0024-3590.

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[LPO+20] Shuting Liu, Rachel Parsons, Keri Opalk, Nicholas Baetge, Stephen Giovannoni, Luis M. Bolaños, Elizabeth B. Kujawinski, Krista Longnecker, YueHan Lu, Elisa Halewood, and Craig A. Carlson. Different carboxyl-rich alicyclic molecules proxy compounds select distinct bacterioplankton for oxidation of dissolved organic matter in the mesopelagic Sargasso Sea. *Limnology and Oceanography*, 65(7):1532–1553, July 2020. CODEN LIOCAH. ISSN 0024-3590.

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[LRM21] Catherine E. Lovelock, Ruth Reef, and Pere Masqué. Vulnerability of an arid zone coastal wetland landscape to sea level rise and intense storms. *Limnology and Oceanography*,

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[LSC+21] Maria L. Letourneau, Sylvia C. Schaefer, Huan Chen, Amy M. McKenna, Merryl Alber, and Patricia M. Medeiros. Spatio-temporal changes in dissolved organic matter composition along the salinity gradient of a marsh-influenced estuarine complex. *Limnology and Oceanography*, 66(8):3040–3054, August 2021. CODEN LIOCAH. ISSN 0024-3590.

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[LSCL21] Kailin Liu, Koji Suzuki, Bingzhang Chen, and Hongbin Liu. Are temperature sensitivities of *Prochlorococcus* and *Synechococcus* impacted by nutrient availability in the subtropical northwest Pacific? *Limnology and Oceanography*, 66(3):639–651, March 2021. CODEN LIOCAH. ISSN 0024-3590.

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[LSDA21] Daffne C. López-Sandoval, Carlos M. Duarte, and Susana Agustí. Nutrient and temperature constraints on primary production and net phytoplankton growth in a tropical ecosystem. *Limnology and Oceanography*, 66(7):2923–2935, July 2021. CODEN LIOCAH. ISSN 0024-3590.

Li:2020:ECS

[LSL+20] Weiying Li, William G. Sunda, Wenfang Lin, Haizheng Hong, and Dalin Shi. The effect of cell size on cellular Zn and Cd and Zn–Cd–CO_2 colimitation of growth rate in marine diatoms. *Limnology and Oceanography*, 66(6):2896–2911, December 2020. CODEN LIOCAH. ISSN 0024-3590.

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[LSS+24] Krista Longnecker, Melissa C. Kido Soule, Gretchen J. Swarr, Rachel J. Parsons, Shuting Liu, Winifred M. Johnson, Brittany Widner, Ruth Curry, Craig A. Carlson, and Elizabeth B. Kujawinski. Seasonal and daily patterns in known dissolved metabolites in the northwestern Sargasso Sea. *Limnology and Oceanography*, 69(3):449–466, March 2024. CODEN LIOCAH. ISSN 0024-3590.

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[LSW+20a] Zhongping Lee, Shaoling Shang, Yongchao Wang, Jianwei Wei, and Joji Ishizaka. Nature of optical products inverted semianalytically from remote sensing reflectance of stratified waters. *Limnology and Oceanography*, 65(2):387–400, February 2020. CODEN LIOCAH. ISSN 0024-3590.

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[LSW+20b] Matthew H. Long, Kevin Sutherland, Scott D. Wankel, David J. Burdige, and Richard C. Zimmerman. Ebullition of oxygen from seagrasses under supersaturated conditions. *Limnology and Oceanography*, 65(2):314–324, February 2020. CODEN LIOCAH. ISSN 0024-3590.

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[LTLH22] Hsin-Ting Li, Sing-How Tuo, Mei-Chen Lu, and Tung-Yuan Ho. The effects of Ni availability on H_2 production and N_2 fixation in a model unicellular diazotroph: The expression of

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[LTQS+21] Fernando Miranda Lansac-Tôha, Bárbara Angélio Quirino, Yasmin Rodrigues Souza, Fábio Amodêo Lansac-Tôha, Luiz Felipe Machado Velho, and Matheus Tenório Baumgartner. The commonality of core biological groups across freshwater food webs. *Limnology and Oceanography*, 65(3):1459–1474, April 2021. CODEN LIOCAH. ISSN 0024-3590.

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[LVZ21] Charlie J. G. Loewen, Rolf D. Vinebrooke, and Ron W. Zurawell. Quantifying seasonal succession of phytoplankton trait-environment associations in human-altered landscapes. *Limnology and Oceanography*, 65(3):1409–1423, April 2021. CODEN LIOCAH. ISSN 0024-3590.

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[LZD+23] Xinxin Li, Xin Zhao, Hongyue Dang, Chuanlun Zhang, Igor Fernández-Urruzola, Zhiqiang Liu, Frank Wenzhöfer, and Ronnie N. Glud. High variability in organic carbon sources and microbial activities in the hadopelagic waters. *Limnology and Oceanography*, 68(8):1704–1718, August 2023. CODEN LIOCAH. ISSN 0024-3590.

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[MACC24] Fábio L. Matos, Jacopo Aguzzi, Joan B. Company, and Marina R. Cunha. Gone with the stream: Functional connectivity of a cold-water coral at basin scale. *Limnology and Oceanography*, 69(2):217–231, February 2024. CODEN LIOCAH. ISSN 0024-3590.

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[MAD+22] Michaela A. Mausz, Ruth L. Airs, Joanna L. Dixon, Claire E. Widdicombe, Glen A. Tarran, Luca Polimene, Sarah Dash-

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[MAG+22] Jorrit P. Mesman, Ana I. Ayala, Stéphane Goyette, Jérôme Kasparian, Rafael Marcé, Hampus Markensten, Julio A. A. Stelzer, Michael W. Thayne, Mridul K. Thomas, Don C. Pierson, and Bas W. Ibelings. Drivers of phytoplankton responses to summer wind events in a stratified lake: a modeling study. *Limnology and Oceanography*, 67(4):856–873, April 2022. CODEN LIOCAH. ISSN 0024-3590.

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[MAP+22] Manuela Milan, Nina Albrecht, Frank Peeters, Simone Wengrat, Martin Wessels, and Dietmar Straile. Clockwise hysteresis of diatoms in response to nutrient dynamics during eutrophication and recovery. *Limnology and Oceanography*, 67(9):2088–2100, September 2022. CODEN LIOCAH. ISSN 0024-3590.

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[MBA+21] Sally MacIntyre, David Bastviken, Lars Arneborg, Adam T. Crowe, Jan Karlsson, Andreas Andersson, Magnus Gålfalk, Anna Rutgersson, Eva Podgrajsek, and John M. Melack. Turbulence in a small boreal lake: Consequences for air–water gas exchange. *Limnology and Oceanography*, 66(3): 827–854, March 2021. CODEN LIOCAH. ISSN 0024-3590.

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[MBLA+21] Manuel Maldonado, Lindsay Beazley, María López-Acosta, Ellen Kenchington, Benoit Casault, Ulrike Hanz, and Furu Mienis. Massive silicon utilization facilitated by a benthic-pelagic coupled feedback sustains deep-sea sponge aggregations. *Limnology and Oceanography*, 66(2):366–391, February 2021. CODEN LIOCAH. ISSN 0024-3590.

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[MCH+22] Jennifer Mallon, Tyler Cyronak, Emily R. Hall, Anastazia T. Banaszak, Dan A. Exton, and Adrian M. Bass. Light-driven dynamics between calcification and production in functionally diverse coral reef calcifiers. *Limnology and Oceanography*, 67(2):434–449, February 2022. CODEN LIOCAH. ISSN 0024-3590.

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[MCS+23] Susanna M. Michael, John Crusius, Andrew W. Schroth, Robert Campbell, and Joseph A. Resing. Glacial meltwater and sediment resuspension can be important sources of dissolved and total dissolvable aluminum and manganese to coastal ocean surface waters. *Limnology and Oceanography*, 68(6):1201–1215, June 2023. CODEN LIOCAH. ISSN 0024-3590.

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[MCYR20] T. Morganti, R. Coma, G. Yahel, and M. Ribes. Trophic niche separation that facilitates co-existence of high and low microbial abundance sponges is revealed by in situ study of carbon and nitrogen fluxes. *Limnology and Oceanography*, 66(5):2259, September 2020. CODEN LIOCAH. ISSN 0024-3590.

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[MDBI20] Beatriz Marin-Diaz, Tjeerd J. Bouma, and Eduardo Infantes. Role of eelgrass on bed-load transport and sediment resuspension under oscillatory flow. *Limnology and Oceanography*, 65(2):426–436, February 2020. CODEN LIOCAH. ISSN 0024-3590.

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[MDDL22] Roseanna J. Mayfield, John A. Dearing, C. Patrick Doncaster, and Peter G. Langdon. Stability of chironomid community structure during historic climatic and environmental change in subarctic Alaska. *Limnology and Oceanography*, 67(S1):S444–S460, February 2022. CODEN LIOCAH. ISSN 0024-3590.

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[MDIY23] Raz Moskovich, Rei Diga, Micha Ilan, and Gitai Yahel. High variability and enhanced nocturnal oxygen uptake in coral

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[MDP+23] Robbie M. Martin, Maddie K. Denney, Helena L. Pound, Justin D. Chaffin, George S. Bullerjahn, R. Michael L. McKay, Arthur Zastepa, Katarina A. Jones, Hector F. Castro, Shawn R. Campagna, and Steven W. Wilhelm. Sulfolipid substitution ratios of *Microcystis aeruginosa* and planktonic communities as an indicator of phosphorus limitation in Lake Erie. *Limnology and Oceanography*, 68(5):1117–1131, May 2023. CODEN LIOCAH. ISSN 0024-3590.

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[MDWT+22] Elise M. McNally, Alan M. Downey-Wall, F. Dylan Titmuss, Camila Cortina, Kathleen Lotterhos, and Justin B. Ries. Parental exposure of Eastern oysters (*Crassostrea virginica*) to elevated pCO_2 mitigates its negative effects on early larval shell growth and morphology. *Limnology and Oceanography*, 67(8):1732–1745, August 2022. CODEN LIOCAH. ISSN 0024-3590.

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[MFGF+22] Mary Ann Moran, Frank X. Ferrer-González, He Fu, Brent Nowinski, Malin Olofsson, McKenzie A. Powers, Jeremy E. Schreier, William F. Schroer, Christa B. Smith, and Mario Uchimiya. The ocean's labile DOC supply chain. *Limnology and Oceanography*, 67(5):1007–1021, May 2022. CODEN LIOCAH. ISSN 0024-3590.

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[MGC+20] Carly M. Moreno, Weida Gong, Natalie R. Cohen, Kimberly DeLong, and Adrian Marchetti. Interactive effects of iron and light limitation on the molecular physiology of the Southern Ocean diatom *fragilariopsis* kerguelensis. *Limnology and Oceanography*, 65(7):1511–1531, July 2020. CODEN LIOCAH. ISSN 0024-3590.

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[MGGRR+21] Maria Myrstener, Lluís Gómez-Gener, Gerard Rocher-Ros, Reiner Giesler, and Ryan A. Sponseller. Nutrients influence seasonal metabolic patterns and total productivity of Arctic streams. *Limnology and Oceanography*, 66(S1):S182–S196, February 2021. CODEN LIOCAH. ISSN 0024-3590.

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[MGI+22] Ricky M. Mwanake, Gretchen M. Gettel, Clarisse Ishimwe, Elizabeth G. Wangari, Klaus Butterbach-Bahl, and Ralf Kiese. Basin-scale estimates of greenhouse gas emissions from the Mara River, Kenya: Importance of discharge, stream size, and land use/land cover. *Limnology and Oceanography*, 67 (8):1776–1793, August 2022. CODEN LIOCAH. ISSN 0024-3590.

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[MGP+21] Chiara Marchini, Francesca Gizzi, Thomas Pondrelli, Lisa Moreddu, Luca Marisaldi, Francesco Montori, Valentina Lazzari, Valentina Airi, Erik Caroselli, Fiorella Prada, Giuseppe Falini, Zvy Dubinsky, and Stefano Goffredo. Decreasing pH impairs sexual reproduction in a Mediterranean coral transplanted at a CO_2 vent. *Limnology and Oceanography*, 66 (11):3990–4000, November 2021. CODEN LIOCAH. ISSN 0024-3590.

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[MGWS23] Paul J. McInerney, Darren P. Giling, Ben Wolfenden, and Ashmita Sengupta. A synthesis of floodplain aquatic ecosystem metabolism and carbon flux using causal criteria analysis. *Limnology and Oceanography*, 68(1):97–109, January 2023. CODEN LIOCAH. ISSN 0024-3590.

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[MHdS+21] Carlinda Raílly Medeiros, Jani Heino, Paulo Jorge Parreira dos Santos, Joseline Molozzi, and Raphael Ligeiro. Spatial scale drives diversity patterns of benthic macroinvertebrate communities in tropical estuaries. *Limnology and Oceanography*, 66(3):727–739, March 2021. CODEN LIOCAH. ISSN 0024-3590.

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[MHG+23] Adele Maciute, Oleksandr Holovachov, Ronnie N. Glud, Elias Broman, Peter Berg, Francisco J. A. Nascimento, and Stefano Bonaglia. Reconciling the importance of meiofauna respiration for oxygen demand in muddy coastal sediments. *Limnology and Oceanography*, 68(8):1895–1905, August 2023. CODEN LIOCAH. ISSN 0024-3590.

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[MHL+20] Paul J. McInerney, Galen Holt, Rebecca E. Lester, Ross M. Thompson, Barbara Robson, Darren S. Ryder, Nick R. Bond, Darren S. Baldwin, Ben Gawne, and Rochelle Petrie. Basal resource quality and energy sources in three habitats of a lowland river ecosystem. *Limnology and Oceanography*, 66 (10):2757–2771, November 2020. CODEN LIOCAH. ISSN 0024-3590.

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[MHMML+22] Ana Molina-Hernández, Francisco Medellín-Maldonado, Ines D. Lange, Chris T. Perry, and Lorenzo Álvarez-Filip. Coral reef erosion: In situ measurement on different dead coral substrates on a Caribbean reef. *Limnology and Oceanography*, 67(12):2734–2749, December 2022. CODEN LIOCAH. ISSN 0024-3590.

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[MHP+23] Thiago Monteiro, Sian F. Henley, Ricardo César Gonçalves Pollery, Carlos Rafael Borges Mendes, Mauricio Mata, Virginia Maria Tavano, Carlos Alberto Eiras Garcia, and Rodrigo Kerr. Spatiotemporal variability of dissolved inorganic macronutrients along the northern Antarctic Peninsula (1996–2019). *Limnology and Oceanography*, 68(10):2305–2326, October 2023. CODEN LIOCAH. ISSN 0024-3590.

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[MHSL22] Virginia Mosquera, Eliza Maher Hasselquist, Ryan A. Sponseller, and Hjalmar Laudon. Co-occurrence of browning and oligotrophication in a boreal stream network. *Limnology and Oceanography*, 67(10):2325–2339, October 2022. CODEN LIOCAH. ISSN 0024-3590.

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[MHVC22] Pablo V. Mosquera, Henrietta Hampel, Raúl F. Vázquez, and Jordi Catalan. Water chemistry variation in tropical high-mountain lakes on old volcanic bedrocks. *Limnology and Oceanography*, 67(7):1522–1536, July 2022. CODEN LIOCAH. ISSN 0024-3590.

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[MIR+22] Lukas Meysick, Eduardo Infantes, Luca Rugiu, Karine Gagnon, and Christoffer Boström. Coastal ecosystem engineers and their impact on sediment dynamics: Eelgrass–bivalve interactions under wave exposure. *Limnology and Oceanography*, 67(3):621–633, March 2022. CODEN LIOCAH. ISSN 0024-3590.

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[MK20] Nazia Mojib and Julia Kubanek. Comparative transcriptomics supports the presence of G protein-coupled receptor-based signaling in unicellular marine eukaryotes. *Limnology*

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[MK21] Cale A. Miller and Amanda L. Kelley. Seasonality and biological forcing modify the diel frequency of nearshore pH extremes in a subarctic Alaskan estuary. *Limnology and Oceanography*, 65(3):1475–1491, April 2021. CODEN LIOCAH. ISSN 0024-3590.

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[MKBSK19] Kirstin Meyer-Kaiser, Melanie Bergmann, Thomas Soltwedel, and Michael Klages. Recruitment of Arctic deep-sea invertebrates: Results from a long-term hard-substrate colonization experiment at the Long-Term Ecological Research observatory HAUSGARTEN. *Limnology and Oceanography*, 64(5): 1924–1938, September 2019. CODEN LIOCAH. ISSN 0024-3590. See corrigendum [Ano21b].

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[MKD22] Arley F. Muth, Amanda L. Kelley, and Kenneth H. Dunton. High-frequency pH time series reveals pronounced seasonality in Arctic coastal waters. *Limnology and Oceanography*, 67(7): 1429–1442, July 2022. CODEN LIOCAH. ISSN 0024-3590.

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[MKL+24] Piotr Maszczyk, Karol Krajewski, Konrad Leniowski, Szymon Pukos, Julia Wawrzeńczak, Wojciech Wilczynski, Marcin Lukasz Zebrowski, Jae-Seong Lee, and Ewa Babkiewicz. Temperature and hypoxia-driven shifts in *Daphnia* interspecific competition. *Limnology and Oceanography*, 69(3):576–588, March 2024. CODEN LIOCAH. ISSN 0024-3590.

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[MLB+21] Séverine Martini, Floriane Larras, Aurélien Boyé, Emile Faure, Nicole Aberle, Philippe Archambault, Lise Bacouillard, Beatrix E. Beisner, Lucie Bittner, Emmanuel Castella, Michael Danger, Olivier Gauthier, Lee Karp-Boss, Fabien Lombard, Frédéric Maps, Lars Stemmann, Eric Thiébaut, Philippe Usseglio-Polatera, Meike Vogt, Martin Laviale, and Sakina-Dorothée Ayata. Functional trait-based approaches as a common framework for aquatic ecologists. *Limnology and Oceanography*, 66(3):965–994, March 2021. CODEN LIOCAH. ISSN 0024-3590.

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[MLG+20] Philippe-Israël Morin, Thomas Lacour, Pierre-Luc Grondin, Flavienne Bruyant, Joannie Ferland, Marie-Hélène Forget, Philippe Massicotte, Natalie Donaher, Douglas A. Campbell, Johann Lavaud, and Marcel Babin. Response of the sea-ice diatom *Fragilariopsis cylindrus* to simulated polar night darkness and return to light. *Limnology and Oceanography*, 65(5):1041–1060, May 2020. CODEN LIOCAH. ISSN 0024-3590.

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[MLK+22] Sairah Y. Malkin, Pinky Liau, Carol Kim, Kalev G. Hantsoo, Maya L. Gomes, and Bongkeun Song. Contrasting controls on seasonal and spatial distribution of marine cable bacteria (*Candidatus electrothrix*) and beggiatoaceae in seasonally hypoxic Chesapeake Bay. *Limnology and Oceanography*, 67(6): 1357–1373, June 2022. CODEN LIOCAH. ISSN 0024-3590.

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[MLL+21] Ji-Young Moon, Kitack Lee, Weol-Ae Lim, Eunil Lee, Minhan Dai, Yang-Ho Choi, In-Seong Han, Kyoungsoon Shin, Ja-Myung Kim, and Jinho Chae. Anthropogenic nitrogen is changing the East China and Yellow Seas from being N deficient to being P deficient. *Limnology and Oceanography*, 66(3):914–924, March 2021. CODEN LIOCAH. ISSN 0024-3590.

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[MLP+21a] Danielle A. Marshall, Megan K. La Peyre, Terence A. Palmer, Gaël Guillou, Blair D. Sterba-Boatwright, Jennifer Beseres Pollack, and Benoit Lebreton. Freshwater inflow and responses from estuaries across a climatic gradient: an assessment of northwestern Gulf of Mexico estuaries based on stable isotopes. *Limnology and Oceanography*, 66(9):3568–3581, September 2021. CODEN LIOCAH. ISSN 0024-3590.

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[MLP21b] Ryan McGeady, Colm Lordan, and Anne Marie Power. Shift in the larval phenology of a marine ectotherm due to ocean warming with consequences for larval transport. *Limnology and Oceanography*, 66(2):543–557, February 2021. CODEN LIOCAH. ISSN 0024-3590.

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[MLS+21] Kyle Michael James Mayers, Janice Lawrence, Katrine Sandnes Skaar, Joachim Paul Töpper, Elzbieta Petelenz, Marius Rydningen Saltvedt, Ruth-Anne Sandaa, Aud Larsen, Gunnar Bratbak, and Jessica Louise Ray. Removal of large viruses and their dispersal through fecal pellets of the appendicularian *Oikopleura dioica* during *Emiliania huxleyi* bloom conditions. *Limnology and Oceanography*, 66(11):3963–3975, November 2021. CODEN LIOCAH. ISSN 0024-3590.

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[MLT+21] Natalia Llopis Monferrer, Aude Leynaert, Paul Tréguer, Andrés Gutiérrez-Rodríguez, Brivaela Moriceau, Morgane Gallinari, Mikel Latasa, Stéphane L'Helguen, Jean-François Maguer, Karl Safi, Matthew H. Pinkerton, and Fabrice Not. Role of small Rhizaria and diatoms in the pelagic silica production of the Southern Ocean. *Limnology and Oceanogra-*

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[MMKWZ22] Maciej K. Mańko, Małgorzata Merchel, Sławomir Kwaśniewski, and Agata Weydmann-Zwolicka. Atlantification alters the reproduction of jellyfish *Aglantha digitale* in the European Arctic. *Limnology and Oceanography*, 67(8):1836–1849, August 2022. CODEN LIOCAH. ISSN 0024-3590.

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[MN20] Eva Friis Møller and Torkel Gissel Nielsen. Borealization of Arctic zooplankton — smaller and less fat zooplankton species in Disko Bay, Western Greenland. *Limnology and Oceanography*, 65(6):1175–1188, June 2020. CODEN LIOCAH. ISSN 0024-3590.

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[MOW+22] Michael F. Meyer, Ted Ozersky, Kara H. Woo, Kirill Shchapov, Aaron W. E. Galloway, Julie B. Schram, Emma J. Rosi, Daniel D. Snow, Maxim A. Timofeyev, Dmitry Yu. Karnaukhov, Matthew R. Brousil, and Stephanie E. Hampton. Effects of spatially heterogeneous lakeside development on nearshore biotic communities in a large, deep, oligotrophic lake. *Limnology and Oceanography*, 67(12):2649–2664, December 2022. CODEN LIOCAH. ISSN 0024-3590.

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[MP23] Alexander B. Michaud and John C. Priscu. Sediment oxygen consumption in Antarctic subglacial environments. *Limnology and Oceanography*, 68(7):1557–1566, July 2023. CODEN LIOCAH. ISSN 0024-3590.

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[MPW+23] Chantel I. Michelson, Michael J. Polito, Michael B. Wunder, Steven D. Emslie, Matthew D. McCarthy, William P. Patterson, and Kelton W. McMahon. Holocene climate change shifted Southern Ocean biogeochemical cycling and predator trophic dynamics. *Limnology and Oceanography*, 68(12): 2642–2653, December 2023. CODEN LIOCAH. ISSN 0024-3590.

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[MRD+21] Julian Merder, Heidelinde Röder, Thorsten Dittmar, Ulrike Feudel, Jan A. Freund, Gunnar Gerdts, Alexandra Kraberg, and Jutta Niggemann. Dissolved organic compounds with synchronous dynamics share chemical properties and origin. *Limnology and Oceanography*, 66(11):4001–4016, November 2021. CODEN LIOCAH. ISSN 0024-3590.

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[MRH+23] Jennifer McHenry, Andrew Rassweiler, Gema Hernan, Alexandra K. Dubel, Carolyn Curtin, Jakob Barzak, Nicholas Varias, and Sarah E. Lester. Geographic variation in organic carbon storage by seagrass beds. *Limnology and Oceanography*, 68(6):1256–1268, June 2023. CODEN LIOCAH. ISSN 0024-3590.

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[MRT+24] Hugo Duarte Moreno, Sebastian Rokitta, Nelly Tremblay, Maarten Boersma, Elisabeth Groß, Helena C. L. Klip, Karen H. Wiltshire, and Cédric L. Meunier. Higher temperature, increased CO_2, and changing nutrient ratios alter the carbon metabolism and induce oxidative stress in a cosmopolitan diatom. *Limnology and Oceanography*, 69(1):121–139, January 2024. CODEN LIOCAH. ISSN 0024-3590.

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[MSB+22] Mhlangabezi Mdutyana, Xin Sun, Jessica M. Burger, Raquel F. Flynn, Shantelle Smith, Natasha R. van Horsten, Alakendra N. Roychoudhury, Hélène Planquette, Eva Bucciarelli, Sandy J. Thomalla, Bess B. Ward, and Sarah E. Fawcett. The kinetics of ammonium uptake and oxidation across the Southern Ocean. *Limnology and Oceanography*, 67 (4):973–991, April 2022. CODEN LIOCAH. ISSN 0024-3590.

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[MSD23] Robert A. B. Mason, William J. Skirving, and Sophie G. Dove. Photoacclimation dynamics in coral holobionts responding to thermal and irradiance changes correlate with photon pressure per symbiont. *Limnology and Oceanography*, 68(11):2529–2543, November 2023. CODEN LIOCAH. ISSN 0024-3590.

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[MUGL20] Adam C. Martiny, Lucas Ustick, Catherine A. Garcia, and Michael W. Lomas. Genomic adaptation of marine phytoplankton populations regulates phosphate uptake. *Limnology and Oceanography*, 66(6):S340–S350, January 2020. CODEN LIOCAH. ISSN 0024-3590.

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[NB23] Sarina Niedzwiedz and Kai Bischof. Glacial retreat and rising temperatures are limiting the expansion of temperate kelp species in the future Arctic. *Limnology and Oceanography*, 68(4):816–830, April 2023. CODEN LIOCAH. ISSN 0024-3590.

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[NCC+21] Schuyler C. Nardelli, Megan A. Cimino, John A. Conroy, William R. Fraser, Deborah K. Steinberg, and Oscar Schofield. Krill availability in adjacent Adélie and gentoo penguin foraging regions near Palmer Station, Antarctica. *Limnology and Oceanography*, 66(6):2234–2250, June 2021. CODEN LIOCAH. ISSN 0024-3590.

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[NDP+24] Mayara Pereira Neves, Rosilene Luciana Delariva, Daniel M. Perkins, Clarice Bernhardt Fialho, and Pavel Kratina.

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[NEB+22] Juliana Nogueira, Heitor Evangelista, Lhoussaine Bouchaou, Luciane Moreira, Abdelfettah Sifeddine, Ahmed ElMouden, Fouad Msanda, Sandrine Caquineau, Francisco Javier Briceño-Zuluaga, Marcus Vinicius Licínio, Magloire Mandeng-Yogo, Mercedes Mendez-Millan, Renato C. Cordeiro, Bastiaan Knoppers, Manuel Moreira-Ramírez, and Renato Martins. Coastal wetland responses to a century of climate change in northern Sahara, Morocco. *Limnology and Oceanography*, 67(2):285–299, February 2022. CODEN LIOCAH. ISSN 0024-3590.

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[NKH+23] Philipp A. Nauer, Adam J. Kessler, Puspitaningsih Hall, Maria Elena Popa, Sophie ten Hietbrink, Tess Hutchinson, Wei Wen Wong, Karl Attard, Ronnie N. Glud, Chris Greening, and Perran L. M. Cook. Pulses of labile carbon cause

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[NSK+21] Toshimi Nakajima, Ryo Sugimoto, Takahiro Kusunoki, Katsuhide Yokoyama, and Makoto Taniguchi. Nutrient fluxes from rivers, groundwater, and the ocean into the coastal embayment along the Sanriku ria coast, Japan. *Limnology and Oceanography*, 66(7):2728–2744, July 2021. CODEN LIOCAH. ISSN 0024-3590.

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[NTJ+20] Aaron Ninokawa, Yuichiro Takeshita, Brittany M. Jellison, Laura J. Jurgens, and Brian Gaylord. Biological modification of seawater chemistry by an ecosystem engineer, the California mussel, *Mytilus californianus*. *Limnology and Oceanography*, 65(1):157–172, January 2020. CODEN LIOCAH. ISSN 0024-3590.

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[NvBE+21] Andreas Neumann, Justus E. E. van Beusekom, Annika Eisele, Kay-Christian Emeis, Jana Friedrich, Ingrid Kröncke, Ella Lu Logemann, Julia Meyer, Céline Naderipour, Ulrike Schückel, Alexa Wrede, and Michael L. Zettler. Macrofauna as a major driver of bentho-pelagic exchange in the southern North Sea. *Limnology and Oceanography*, 66(6):2203–2217, June 2021. CODEN LIOCAH. ISSN 0024-3590.

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[OJUN23] Eva Julia Marie Ostertag, Kai Jensen, Viktoria Unger, and Stefanie Nolte. Warming experiment indicates that increas-

ing global temperatures may not affect windows of opportunity for salt marsh seedlings. *Limnology and Oceanography*, 68(10):2261–2273, October 2023. CODEN LIOCAH. ISSN 0024-3590.

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[ORRMD+21] Daniela Osorio-Rodriguez, Manuel Razo-Mejia, Nathan F. Dalleska, Alex L. Sessions, Victoria J. Orphan, and Jess F. Adkins. Sulfur isotope fractionations constrain the biological cycling of dimethylsulfoniopropionate in the upper ocean. *Limnology and Oceanography*, 66(10):3607–3618, October 2021. CODEN LIOCAH. ISSN 0024-3590.

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[PCN22] Tiago J. Pereira, Paula Vieira Castellões, and Sérgio A. Netto. Amazon River discharge impacts deep-sea meiofauna. *Limnology and Oceanography*, 67(10):2190–2203, October 2022. CODEN LIOCAH. ISSN 0024-3590.

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[PDK+23] Jiwoon Park, Bryndan P. Durham, Rebecca S. Key, Ryan D. Groussman, Zinka Bartolek, Paulina Pinedo-Gonzalez,

Nicholas J. Hawco, Seth G. John, Michael C. G. Carlson, Debbie Lindell, Lauren W. Juranek, Sara Ferrón, Francois Ribalet, E. Virginia Armbrust, Anitra E. Ingalls, and Randelle M. Bundy. Siderophore production and utilization by marine bacteria in the North Pacific Ocean. *Limnology and Oceanography*, 68(7):1636–1653, July 2023. CODEN LIOCAH. ISSN 0024-3590.

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[PGB24] Cindy M. Palinkas, Cassie Gurbisz, and Miles C. Bolton. Sediment–vegetation interactions determine the fate of fluvial sediment in the upper reaches of a large estuary. *Limnology and Oceanography*, 69(3):515–523, March 2024. CODEN LIOCAH. ISSN 0024-3590.

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[PGEB22] Cindy Paquette, Irene Gregory-Eaves, and Beatrix E. Beisner. Environmental drivers of taxonomic and functional variation in zooplankton diversity and composition in freshwater lakes across Canadian continental watersheds. *Limnology and Oceanography*, 67(5):1081–1097, May 2022. CODEN LIOCAH. ISSN 0024-3590.

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[PGN+21] Judith Piontek, Luisa Galgani, Eva-Maria Nöthig, Ilka Peeken, and Anja Engel. Organic matter composition and heterotrophic bacterial activity at declining summer sea ice in the central Arctic Ocean. *Limnology and Oceanography*,

66(S1):S343–S362, February 2021. CODEN LIOCAH. ISSN 0024-3590.

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[PHB+22] Devanshi Pathak, Michael Hutchins, Lee E. Brown, Matthew Loewenthal, Peter Scarlett, Linda Armstrong, David Nicholls, Mike Bowes, François Edwards, and Gareth Old. High-resolution water-quality and ecosystem-metabolism modeling in lowland rivers. *Limnology and Oceanography*, 67(6):1313–1327, June 2022. CODEN LIOCAH. ISSN 0024-3590.

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[Phi20] Joseph S. Phillips. Time-varying responses of lake metabolism to light and temperature. *Limnology and Oceanography*, 65(3):652–666, March 2020. CODEN LIOCAH. ISSN 0024-3590.

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[Phi21] Joseph S. Phillips. Corrigendum: Time-varying responses of lake metabolism to light and temperature. *Limnology and Oceanography*, 66(4):1333–1334, April 2021. CODEN LIOCAH. ISSN 0024-3590.

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[PHM21] Anneke Kristin Purz, Dorothee Hodapp, and Stefanie Devi Moorthi. Dispersal, location of bloom initiation, and nutrient conditions determine the dominance of the harmful dinoflagellate *Alexandrium catenella*: a meta-ecosystem study. *Limnology and Oceanography*, 66(11):3928–3943, November 2021. CODEN LIOCAH. ISSN 0024-3590.

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[PJRV23] Jérôme Pinti, Sigrún H. Jónasdóttir, Nicholas R. Record, and André W. Visser. The global contribution of seasonally migrating copepods to the biological carbon pump. *Limnology and Oceanography*, 68(5):1147–1160, May 2023. CODEN LIOCAH. ISSN 0024-3590.

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[PKKS20] James L. Pinckney, Eilea R. Knotts, Krystyn J. Kibler, and Erik M. Smith. Nutrient breakpoints for estuarine phytoplankton communities. *Limnology and Oceanography*, 66(6): 2999–3016, December 2020. CODEN LIOCAH. ISSN 0024-3590.

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[PKV20] Kimberly J. Popendorf, Michal Koblížek, and Benjamin A. S. Van Mooy. Phospholipid turnover rates suggest that bacterial community growth rates in the open ocean are systematically underestimated. *Limnology and Oceanography*, 65 (8):1876–1890, August 2020. CODEN LIOCAH. ISSN 0024-3590.

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[PLB+21] Vilmantas Prėskienis, Isabelle Laurion, Frédéric Bouchard, Peter M. J. Douglas, Michael F. Billett, Daniel Fortier, and Xiaomei Xu. Seasonal patterns in greenhouse gas emissions from lakes and ponds in a High Arctic polygonal landscape. *Limnology and Oceanography*, 66(S1):S117–S141, February 2021. CODEN LIOCAH. ISSN 0024-3590.

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[PLLM21] Silvana B. Penninck, Rubens M. Lopes, Josiane F. Lima, and Margaret A. McManus. Thin layers in the coastal zone of Ubatuba, Brazil: Mechanisms of formation and dissipation. *Limnology and Oceanography*, 66(2):558–574, February 2021. CODEN LIOCAH. ISSN 0024-3590.

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[PMD+23] Marie-Elodie Perga, Camille Minaudo, Tomy Doda, Florent Arthaud, Harsh Beria, Hannah E. Chmiel, Nicolas Escoffier, Thibault Lambert, Raphaelle Napolleoni, Biel Obrador, Pascal Perolo, Janine Rüegg, Hugo Ulloa, and Damien Bouffard. Near-bed stratification controls bottom hypoxia in ice-covered alpine lakes. *Limnology and Oceanography*, 68(6): 1232–1246, June 2023. CODEN LIOCAH. ISSN 0024-3590.

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[PMF+21] Chloé Alexandra Pupier, Miguel Mies, Maoz Fine, Ronaldo Bastos Francini-Filho, Frederico Pereira Brandini, Leonardo Zambotti-Villela, Pio Colepicolo, and Christine Ferrier-Pagès. Lipid biomarkers reveal the trophic plasticity of octocorals along a depth gradient. *Limnology and Oceanography*, 66(5):2078–2087, May 2021. CODEN LIOCAH. ISSN 0024-3590.

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[PMJ+21] James T. Price, Rowan H. McLachlan, Christopher P. Jury, Robert J. Toonen, and Andréa G. Grottoli. Isotopic approaches to estimating the contribution of heterotrophic sources to Hawaiian corals. *Limnology and Oceanography*, 66(6):2393–2407, June 2021. CODEN LIOCAH. ISSN 0024-3590.

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[PMRG20] Elan J. Portner, Unai Markaida, Carlos J. Robinson, and William F. Gilly. Trophic ecology of Humboldt squid, *Dosidicus gigas*, in conjunction with body size and climatic variability in the Gulf of California, Mexico. *Limnology and Oceanography*, 65(4):732–748, April 2020. CODEN LIOCAH. ISSN 0024-3590.

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[PNT+21] Andrew J. Pinsonneault, Patrick J. Neale, Maria Tzortziou, Elizabeth A. Canuel, Christina R. Pondell, Hannah Morrissette, Jonathan S. Lefcheck, and James Patrick Megonigal. Dissolved organic carbon sorption dynamics in tidal marsh soils. *Limnology and Oceanography*, 66(1):214–225, January 2021. CODEN LIOCAH. ISSN 0024-3590.

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[PPB+21] Geneviève J. Parent, Stéphane Plourde, Howard I. Browman, Julie Turgeon, and Adam Petrusek. Defining what constitutes a reliable dataset to test for hybridization and introgression in marine zooplankton: Comment on Choquet et al. 2020 "No evidence for hybridization between *Calanus finmarchicus* and *C. glacialis* in a subarctic area of sympatry". *Limnology and Oceanography*, 66(10):3597–3602, October 2021. CODEN LIOCAH. ISSN 0024-3590. See reply [CSH21].

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[PRS+20] Jesús Pineda, Sally Rouse, Victoria Starczak, Karl Helfrich, and David Wiley. Response of small sharks to nonlinear internal waves. *Limnology and Oceanography*, 65(4):707–716, April 2020. CODEN LIOCAH. ISSN 0024-3590.

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[PSE+20] Amael Paillex, Andre R. Siebers, Christian Ebi, Jorrit Mesman, and Christopher T. Robinson. High stream intermittency in an alpine fluvial network: Val Roseg, Switzerland. *Limnology and Oceanography*, 65(3):557–568, March 2020. CODEN LIOCAH. ISSN 0024-3590.

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[PSK21] Leandra Stephanie Emilia Praetzel, Marcel Schmiedeskamp, and Klaus-Holger Knorr. Temperature and sediment properties drive spatiotemporal variability of methane ebullition in a small and shallow temperate lake. *Limnology and Oceanography*, 66(7):2598–2610, July 2021. CODEN LIOCAH. ISSN 0024-3590.

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[PSNG+21] Claudia Patriarca, Vicente T. Sedano-Núñez, Sarahi L. Garcia, Jonas Bergquist, Stefan Bertilsson, Per J. R. Sjöberg, Lars J. Tranvik, and Jeffrey A. Hawkes. Character and environmental lability of cyanobacteria-derived dissolved organic matter. *Limnology and Oceanography*, 66(2):496–509, February 2021. CODEN LIOCAH. ISSN 0024-3590.

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[PSY+22] Peter Porskamp, Alexandre C. G. Schimel, Mary Young, Alex Rattray, Yoann Ladroit, and Daniel Ierodiaconou. Integrating multibeam echosounder water-column data into benthic habitat mapping. *Limnology and Oceanography*, 67(8):1701–1713, August 2022. CODEN LIOCAH. ISSN 0024-3590.

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[PUH+23] Alexandra A. Phillips, Imanol Ulloa, Emily Hyde, Julia Agnich, Lewis Sharpnack, Katherine G. O'Malley, Samuel M. Webb, Kathryn M. Schreiner, Cody S. Sheik, Sergei Katsev, and Morgan Reed Raven. Organic sulfur from source to sink in low-sulfate Lake Superior. *Limnology and Oceanography*,

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[PW22] Rachel M. Pilla and Craig E. Williamson. Earlier ice breakup induces changepoint responses in duration and variability of spring mixing and summer stratification in dimictic lakes. *Limnology and Oceanography*, 67(S1):S173–S183, February 2022. CODEN LIOCAH. ISSN 0024-3590.

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[PWS+20] Sari Peura, Maxime Wauthy, Domenico Simone, Alexander Eiler, Karólína Einarsdóttir, Milla Rautio, and Stefan Bertilsson. Ontogenic succession of thermokarst thaw ponds is linked to dissolved organic matter quality and microbial degradation potential. *Limnology and Oceanography*, 66(6): S248–S263, January 2020. CODEN LIOCAH. ISSN 0024-3590.

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[PYM+20] Yongbo Pan, Jun Yang, George B. McManus, Senjie Lin, and Wenjing Zhang. Insights into protist diversity and biogeography in intertidal sediments sampled across a range of spatial scales. *Limnology and Oceanography*, 65(5):1103–1115, May 2020. CODEN LIOCAH. ISSN 0024-3590.

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[PYY+20] Lixin Pei, Siyuan Ye, Hongming Yuan, Shaofeng Pei, Shucheng Xie, and Jin Wang. Glomalin-related soil protein distributions in the wetlands of the Liaohe Delta, Northeast China: Implications for carbon sequestration and mineral weathering of coastal wetlands. *Limnology and Oceanography*, 65(5):979–991, May 2020. CODEN LIOCAH. ISSN 0024-3590.

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[QBJG21] Liming Qu, John Beardall, Xiaowen Jiang, and Kunshan Gao. Elevated pCO_2 enhances under light but reduces in darkness the growth rate of a diatom, with implications for the fate of phytoplankton below the photic zone. *Limnology and Oceanography*, 66(10):3630–3642, October 2021. CODEN LIOCAH. ISSN 0024-3590.

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[QFM+21] Roberto Quinlan, Alessandro Filazzola, Octavia Mahdiyan, Arnab Shuvo, Kevin Blagrave, Carolyn Ewins, Luke Moslenko, Derek K. Gray, Catherine M. O'Reilly, and Sapna Sharma. Relationships of total phosphorus and chlorophyll in lakes worldwide. *Limnology and Oceanography*, 66(2):392–404, February 2021. CODEN LIOCAH. ISSN 0024-3590.

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[QMG21] Man Qi, Jessica MacGregor, and Keryn Gedan. Biogeomorphic patterns emerge with pond expansion in deteriorating marshes affected by relative sea level rise. *Limnology and Oceanography*, 66(4):1036–1049, April 2021. CODEN LIOCAH. ISSN 0024-3590.

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[QRWT+22] Zoraida J. Quiñones-Rivera, Björn Wissel, R. Eugene Turner, Nancy N. Rabalais, Dubravko Justić, Kerri P. Finlay, and Charles S. Milan. Divergent effects of biological and physical processes on dissolved oxygen and dissolved inorganic carbon dynamics on a eutrophied and hypoxic continental shelf. *Limnology and Oceanography*, 67(11):2603–2616, November 2022. CODEN LIOCAH. ISSN 0024-3590.

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[QS21] Qubin Qin and Jian Shen. Typical relationships between phytoplankton biomass and transport time in river-dominated coastal aquatic systems. *Limnology and Oceanography*, 66 (8):3209–3220, August 2021. CODEN LIOCAH. ISSN 0024-3590.

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[RBAC+20] Ute Risse-Buhl, Christine Anlanger, Antonis Chatzinotas, Christian Noss, Andreas Lorke, and Markus Weitere. Near streambed flow shapes microbial guilds within and across

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[RBD22] Michaela Rathbone, Kristen T. Brown, and Sophie Dove. Tolerance to a highly variable environment does not infer resilience to future ocean warming and acidification in a branching coral. *Limnology and Oceanography*, 67(1):272–284, January 2022. CODEN LIOCAH. ISSN 0024-3590.

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[RBL+20] Lien Reyserhove, Lore Bulteel, Jing Liu, Caroline Souffreau, Kristien I. Brans, Jessie M. T. Engelen, Luc De Meester, Frederik Hendrickx, Koenraad Muylaert, Steven A. J. Declerck, and Ellen Decaestecker. Food nutrient availability affects epibiont prevalence and richness in natural *Daphnia* populations. *Limnology and Oceanography*, 65(10):2529–2540, October 2020. CODEN LIOCAH. ISSN 0024-3590.

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[RBR+23] Emil Rydin, Elias Broman, Kasper Reitzel, Kaarina Lukkari, Martijn Hermans, Linda Kumblad, Magnus Karlsson, Anna Apler, Bo Ek, and Per J. R. Sjöberg. Contrasting distribution and speciation of sedimentary organic phosphorus among different basins of the Baltic Sea. *Limnology and Oceanography*, 68(4):767–779, April 2023. CODEN LIOCAH. ISSN 0024-3590.

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[RBSB22] Mayra P. D. Rulli, Ann-Kristin Bergström, Ryan A. Sponseller, and Martin Berggren. Seasonal patterns in nutrient bioavailability in boreal headwater streams. *Limnology and Oceanography*, 67(5):1169–1183, May 2022. CODEN LIOCAH. ISSN 0024-3590.

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[RCH+20] Mickael Ros, Emma F. Camp, David J. Hughes, Joseph R. Crosswell, Mark E. Warner, William P. Leggat, and David J. Suggett. Unlocking the black-box of inorganic carbon-uptake and utilization strategies among coral endosymbionts (Symbiodiniaceae). *Limnology and Oceanography*, 65(8):1747–1763, August 2020. CODEN LIOCAH. ISSN 0024-3590.

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[RCMA21] Murray Richardson, John Chételat, Gwyneth A. MacMillan, and Marc Amyot. Mercury concentrations and associations with dissolved organic matter are modified by water residence time in eastern Canadian lakes along a 30^o latitudinal gradient. *Limnology and Oceanography*, 66(S1):S64–S80, February 2021. CODEN LIOCAH. ISSN 0024-3590.

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[RCS+20] Matti O. Ruuskanen, Graham Colby, Kyra A. St. Pierre, Vincent L. St. Louis, Stéphane Aris-Brosou, and Alexandre J. Poulain. Microbial genomes retrieved from High Arctic lake sediments encode for adaptation to cold and oligotrophic environments. *Limnology and Oceanography*, 66(6):S233–S247, January 2020. CODEN LIOCAH. ISSN 0024-3590.

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[RD23] Linnea A. Rock and Hilary A. Dugan. Lakes protect downstream riverine habitats from chloride toxicity. *Limnology and Oceanography*, 68(6):1216–1231, June 2023. CODEN LIOCAH. ISSN 0024-3590.

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[REF+21] Derek C. Roberts, Galen C. Egan, Alexander L. Forrest, John L. Largier, Fabian A. Bombardelli, Bernard E. Laval, Stephen G. Monismith, and Geoffrey Schladow. The setup and relaxation of spring upwelling in a deep, rotationally influenced lake. *Limnology and Oceanography*, 66(4):1168–1189, April 2021. CODEN LIOCAH. ISSN 0024-3590.

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[RFB+22] Veronica Z. Radice, Brian Fry, Kristen T. Brown, Sophie Dove, and Ove Hoegh-Guldberg. Biogeochemical niches and trophic plasticity of shallow and mesophotic corals recovering from mass bleaching. *Limnology and Oceanography*, 67(7):1617–1630, July 2022. CODEN LIOCAH. ISSN 0024-3590.

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[RGP+22] Miquel Ribot, Nancy B. Grimm, Lindsey D. Pollard, Daniel von Schiller, Amalia M. Handler, and Eugènia Martí. Consequences of an ecosystem state shift for nitrogen cycling in a desert stream. *Limnology and Oceanography*, 67(6):1274–1286, June 2022. CODEN LIOCAH. ISSN 0024-3590.

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[RGW+23] Sebastian D. Rokitta, Christian H. Grossmann, Elisa Werner, Jannika Moye, Giulia Castellani, Eva-Maria Nöthig, and Björn Rost. Future warming stimulates growth and photosynthesis in an Arctic microalga more strongly than changes in light intensity or pCO_2. *Limnology and Oceanography*, 68 (12):2789–2799, December 2023. CODEN LIOCAH. ISSN 0024-3590.

Ray:2023:STV

[RHA+23] Nicholas E. Ray, Meredith A. Holgerson, Mikkel Rene Andersen, Jānis Bikše, Lauren E. Bortolotti, Martyn Futter, Ilga Kokorīte, Alan Law, Cory McDonald, Jorrit P. Mesman, Mike Peacock, David C. Richardson, Julien Arsenault, Sheel Bansal, Kaelin Cawley, McKenzie Kuhn, Amir Reza Shahabinia, and Facundo Smufer. Spatial and temporal variability in summertime dissolved carbon dioxide and methane in temperate ponds and shallow lakes. *Limnology and Oceanography*, 68(7):1530–1545, July 2023. CODEN LIOCAH. ISSN 0024-3590.

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[RHM+21] Eva Rothäusler, Iván A. Hinojosa, Julio Moraga, Matias Pizarro-Koch, Marcel Ramos, and Martin Thiel. At the mercy of the winds: The seasonal dynamics of floating and stranded seaweeds at mid-latitudes. *Limnology and Oceanography*, 66(12):4391–4402, December 2021. CODEN LIOCAH. ISSN 0024-3590.

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[RHP+23] Sarah S. Roley, Robert O. Hall, Jr., William Perkins, Vanessa A. Garayburu-Caruso, and James C. Stegen. Coupled primary production and respiration in a large river contrasts with smaller rivers and streams. *Limnology and Oceanography*, 68(11):2461–2475, November 2023. CODEN LIOCAH. ISSN 0024-3590.

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[RHS+22] Eyal Rahav, Barak Herut, Dina Spungin, Adi Levi, Margaret R. Mulholland, and Ilana Berman-Frank. Heterotrophic bacteria outcompete diazotrophs for orthophosphate in the Mediterranean Sea. *Limnology and Oceanography*, 67(1):159–171, January 2022. CODEN LIOCAH. ISSN 0024-3590.

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[RKBT+23] Thomas James Ryan-Keogh, Emma Lewis Bone, Sandy J. Thomalla, Lisl Lain, Marie E. Smith, Stewart Bernard, and Marcello Vichi. Spatial and temporal drivers of fluorescence quantum yield variability in the Southern Ocean. *Limnology and Oceanography*, 68(3):569–582, March 2023. CODEN LIOCAH. ISSN 0024-3590.

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[RLL+21] Lijuan Ren, Yuanyuan Liu, Torben L. Lauridsen, Martin Søndergaard, Boping Han, Jianjun Wang, Erik Jeppesen, Jizhong Zhou, and Qinglong L. Wu. Warming exacerbates the impact of nutrient enrichment on microbial functional potentials important to the nutrient cycling in shallow lake mesocosms. *Limnology and Oceanography*, 66(6):2481–2495, June 2021. CODEN LIOCAH. ISSN 0024-3590.

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[RLP+20] Chiara Ravaglioli, Claudio Lardicci, Antonio Pusceddu, Eleonora Arpe, Silvia Bianchelli, Emanuela Buschi, and Fabio Bulleri. Ocean acidification alters meiobenthic assemblage composition and organic matter degradation rates in seagrass sediments. *Limnology and Oceanography*, 65(1):37–50, January 2020. CODEN LIOCAH. ISSN 0024-3590.

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[RMH+22] Andrew Rassweiler, Scott D. Miller, Sally J. Holbrook, Matthew Lauer, Mark A. Strother, Sarah E. Lester, Thomas C. Adam, Jean Wencélius, and Russell J. Schmitt. How do fisher responses to macroalgal overgrowth influence the resilience of coral reefs? *Limnology and Oceanography*, 67(S1):S365–S377, February 2022. CODEN LIOCAH. ISSN 0024-3590.

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[RMW+21] Raghab Ray, Toshihiro Miyajima, Atsushi Watanabe, Masaya Yoshikai, Charissa M. Ferrera, Iris Orizar, Takashi Nakamura, Maria Lourdes San Diego-McGlone, Eugene C. Herrera, and Kazuo Nadaoka. Dissolved and particulate carbon export from a tropical mangrove-dominated riverine system. *Limnology and Oceanography*, 66(11):3944–3962, November 2021. CODEN LIOCAH. ISSN 0024-3590.

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[Roy20] Todd V. Royer. Stoichiometry of nitrogen, phosphorus, and silica loads in the Mississippi–Atchafalaya River basin reveals spatial and temporal patterns in risk for cyanobacterial blooms. *Limnology and Oceanography*, 65(2):325–335, February 2020. CODEN LIOCAH. ISSN 0024-3590.

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[RPA+22] Mark D. Rowe, Sara E. Prendergast, Karen M. Alofs, David B. Bunnell, Edward S. Rutherford, and Eric J. Anderson. Predicting larval alewife transport in Lake Michigan using hydrodynamic and Lagrangian particle dispersion models. *Limnology and Oceanography*, 67(9):2042–2058, September 2022. CODEN LIOCAH. ISSN 0024-3590.

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[RPKC22] Yoshimi M. Rii, Logan M. Peoples, David M. Karl, and Matthew J. Church. Seasonality and episodic variation in picoeukaryote diversity and structure reveal community resilience to disturbances in the North Pacific Subtropical Gyre. *Limnology and Oceanography*, 67(S1):S331–S351, February 2022. CODEN LIOCAH. ISSN 0024-3590.

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[RRAO+21] Dalit Roth-Rosenberg, Dikla Aharonovich, Anne Willem Omta, Michael J. Follows, and Daniel Sher. Dynamic macromolecular composition and high exudation rates in *Prochlorococcus*. *Limnology and Oceanography*, 66(5):1759–1773, May 2021. CODEN LIOCAH. ISSN 0024-3590.

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[RRHS+21] Gerard Rocher-Ros, Tamara K. Harms, Ryan A. Sponseller, Maria Väisänen, Carl-Magnus Mörth, and Reiner Giesler. Metabolism overrides photo-oxidation in CO_2 dynamics of

Arctic permafrost streams. *Limnology and Oceanography*, 66 (S1):S169–S181, February 2021. CODEN LIOCAH. ISSN 0024-3590.

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[RS20] Joseph W. Reustle and Delbert L. Smee. Cloudy with a chance of mesopredator release: Turbidity alleviates top-down control on intermediate predators through sensory disruption. *Limnology and Oceanography*, 65(10):2278–2290, October 2020. CODEN LIOCAH. ISSN 0024-3590.

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[RS21] Ben P. Robertson and Candida Savage. Thresholds in catchment nitrogen load for shifts from seagrass to nuisance macroalgae in shallow intertidal estuaries. *Limnology and Oceanography*, 65(3):1353–1366, April 2021. CODEN LIOCAH. ISSN 0024-3590.

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[RSH+20] Mary Katherine Rogener, Rachel E. Sipler, Kimberley S. Hunter, Deborah A. Bronk, and Samantha B. Joye. Pelagic methane oxidation in the northern Chukchi Sea. *Limnology and Oceanography*, 65(1):96–110, January 2020. CODEN LIOCAH. ISSN 0024-3590.

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[RVBP23] Lana Ramaekers, Bram Vanschoenwinkel, Luc Brendonck, and Tom Pinceel. Elevated dissolved carbon dioxide and associated acidification delays maturation and decreases calcification and survival in the freshwater crustacean *Daphnia magna*. *Limnology and Oceanography*, 68(7):1624–1635, July 2023. CODEN LIOCAH. ISSN 0024-3590.

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[RVS+22] Claire M. Ruffing, Allison M. Veach, Anne Schechner, Janine Rüegg, Matt T. Trentman, and Walter K. Dodds. Prairie stream metabolism recovery varies based on antecedent hydrology across a stream network after a bank-full flood. *Limnology and Oceanography*, 67(9):1986–1999, September 2022. CODEN LIOCAH. ISSN 0024-3590.

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[SGSF20] Jonathan Sherman, Maxim Y. Gorbunov, Oscar Schofield, and Paul G. Falkowski. Photosynthetic energy conversion efficiency in the West Antarctic Peninsula. *Limnology and Oceanography*, 66(6):2912–2925, December 2020. CODEN LIOCAH. ISSN 0024-3590.

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[SHBA22] Russell J. Schmitt, Sally J. Holbrook, Andrew J. Brooks, and Thomas C. Adam. Evaluating the precariousness of coral recovery when coral and macroalgae are alternative basins of attraction. *Limnology and Oceanography*, 67(S1):S285–S297, February 2022. CODEN LIOCAH. ISSN 0024-3590.

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[SHE+21] Takuhei Shiozaki, Fuminori Hashihama, Hisashi Endo, Minoru Ijichi, Noriko Takeda, Akiko Makabe, Amane Fujiwara,

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[SKA+24] Małgorzata Strzałek, Lech Kufel, Karina Apolinarska, Marcin Becher, Elżbieta Biardzka, Michał Brzozowski, Rafał Kiełczewski, Grzegorz Kowalewski, Andrzej Pukacz, Michał Woszczyk, and Mariusz Pełechaty. Recycling and deposition of inorganic carbon from calcium carbonate encrustations of charophytes. *Limnology and Oceanography*, 69(2):279–289, February 2024. CODEN LIOCAH. ISSN 0024-3590.

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[SKB+22] Alexa R. Sterling, Riley D. Kirk, Matthew J. Bertin, Tatiana A. Rynearson, David G. Borkman, Marissa C. Caponi, Jessica Carney, Katherine A. Hubbard, Meagan A. King, Lucie Maranda, Emily J. McDermith, Nina R. Santos, Jacob P. Strock, Erin M. Tully, Samantha B. Vaverka, Patrick D. Wilson, and Bethany D. Jenkins. Emerging harmful algal blooms caused by distinct seasonal assemblages of a toxic diatom. *Limnology and Oceanography*, 67(11):2341–2359, November 2022. CODEN LIOCAH. ISSN 0024-3590.

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[SML+21a] Clemens Schauberger, Mathias Middelboe, Morten Larsen, Logan M. Peoples, Douglas H. Bartlett, Finn Kirpekar, Ashley A. Rowden, Frank Wenzhöfer, Bo Thamdrup, and Ronnie N. Glud. Spatial variability of prokaryotic and viral abundances in the Kermadec and Atacama Trench regions. *Limnology and Oceanography*, 66(6):2095–2109, June 2021. CODEN LIOCAH. ISSN 0024-3590.

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[SMP21] Dan Seidov, Alexey Mishonov, and Rost Parsons. Recent warming and decadal variability of Gulf of Maine and Slope Water. *Limnology and Oceanography*, 66(9):3472–3488, September 2021. CODEN LIOCAH. ISSN 0024-3590.

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[SPBK21] Marcel Schmiedeskamp, Leandra Stephanie Emilia Praetzel, David Bastviken, and Klaus-Holger Knorr. Whole-lake methane emissions from two temperate shallow lakes with fluctuating water levels: Relevance of spatiotemporal patterns. *Limnology and Oceanography*, 66(6):2455–2469, June 2021. CODEN LIOCAH. ISSN 0024-3590.

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[SPHH22] David A. Seekell, Michael L. Pace, James B. Heffernan, and Sally J. Holbrook. Nonlinear dynamics, resilience, and regime shifts in aquatic communities and ecosystems: an overview. *Limnology and Oceanography*, 67(S1):S1–S4, February 2022. CODEN LIOCAH. ISSN 0024-3590.

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[SYT+21] Benwei Shi, Shi Lun Yang, Stijn Temmerman, Tjeerd Bouma, Tom Ysebaert, Sikai Wang, Yingxin Zhang, Jihua Wu, Haifei Yang, Longhui Zhang, Liqin Zuo, and Ya Ping Wang. Effect of typhoon-induced intertidal-flat erosion on dominant macrobenthic species (*Meretrix meretrix*). *Limnology and Oceanography*, 66(12):4197–4209, December 2021. CODEN LIOCAH. ISSN 0024-3590.

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[SZY+20] Guangyi Su, Jakob Zopfi, Haoyi Yao, Lea Steinle, Helge Niemann, and Moritz F. Lehmann. Manganese/iron-supported sulfate-dependent anaerobic oxidation of methane by archaea in lake sediments. *Limnology and Oceanography*, 65(4):863–875, April 2020. CODEN LIOCAH. ISSN 0024-3590.

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[TCS21] Claudia Traboni, Albert Calbet, and Enric Saiz. Mixotrophy upgrades food quality for marine calanoid copepods. *Limnology and Oceanography*, 66(12):4125–4139, December 2021. CODEN LIOCAH. ISSN 0024-3590.

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[TJW+22] Julien Thébault, Aurélie Jolivet, Matthieu Waeles, Hélène Tabouret, Sophie Sabarot, Christophe Pécheyran, Aude Leynaert, Klaus Peter Jochum, Bernd R. Schöne, Lukas Fröhlich, Valentin Siebert, Erwan Amice, and Laurent Chauvaud. Scallop shells as geochemical archives of phytoplankton-related ecological processes in a temperate coastal ecosystem. *Limnology and Oceanography*, 67(1):187–202, January 2022. CODEN LIOCAH. ISSN 0024-3590.

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