A Complete Bibliography of Publications in *Ecological Modelling* (2020–2029)

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Title word cross-reference

1 [WSW23]. **$142.20** [Pas21]. 3 [CGVC21, PMP+21, PM22, VRRI+24]. **$84.99** [Mea20]. $_{10}$ [MBMV20, NSS+23, SBF+21]. $_{2}$ [AAR23, CCH20, GAMN+23, HKSM23, PG23, YLLL23, ZFT20, ZBH+22]. $_{4}$ [GAMN+23]. $_{mix}$ [XLS20]. a [LKP+20, WCSX22]. ϵ [WSW23]. I [RAB21]. k [WSW23]. r/K [MF20]. R_0 [WHE+24a, WHE+24b].

-D [PM22, WSW23].

0304 [SGTS23]. **0304-3800** [SGTS23]. **0304-3800/109690** [SGTS23].

1 [Ano20a, Ano20b, Ano20c, Ano20d, Ano20e, Ano20g, Ano20f, Ano20h, Ano20i, Ano20j, Ano20k, Ano20l, Ano21a, Ano21b, Ano21c, Ano21d, Ano21e, Ano21g, Ano21f, Ano21h, Ano21i, Ano21j, Ano21k, Ano21l, MPL+20]. **109165** [CVTS20a]. **109198.** [SE20a]. **109265** [HES+23]. **109690** [SGTS23]. **15** [AGS+22, Ano20m, Ano20n, Ano20o, Ano20p, Ano20q, Ano20s, Ano20r,

Ano20t, Ano20u, Ano20v, Ano20w, Ano20x, Ano21m, Ano21n, Ano21o, Ano21p, Ano21q, Ano21s, Ano21r, Ano21t, Ano21u, Ano21v, Ano21w, Ano21x].

2 [CSZY+20, Cor20, MLP+20]. **2.0** [KMH+21]. **2020** [Ano20a, Ano20m, Ano20b, Ano20n, Ano20c, Ano20o, Ano20d, Ano20p, Ano20e, Ano20q, Ano20g, Ano20s, Ano20f, Ano20r, Ano20h, Ano20t, Ano20i, Ano20u, Ano20j, Ano20v, Ano20k, Ano20w, Ano20l, Ano20x]. **2021** [Ano21a, Ano21m, Ano21b, Ano21n, Ano21c, Ano21o, Ano21d, Ano21p, Ano21e, Ano21q, Ano21g, Ano21s, Ano21f, Ano21r, Ano21h, Ano21t, Ano21i, Ano21u, Ano21j, Ano21v, Ano21k, Ano21w, Ano21l, Ano21x]. **2022** [Ano22a, Ano22b, Ano22c, Ano22p, Ano22q, Ano22s, Ano22r, Ano22t, Ano22u, Ano22v, Ano22w, Ano22x, PKB+23]. **2023** [Ano23a, Ano23b, Ano23c, Ano23p, Ano23q, Ano23s, Ano23r, Ano23t, Ano23u, Ano23v, Ano23w, Ano23x, RFHR24]. **2024** [Ano24a, Ano24h, Ano24i, Ano24j, Ano24k, Ano24l]. **21st** [YCK20]. **239** [DMdR24].

3 [Mea20, NYH20, SNM+23, XLS20]. **3-PG** [NYH20, SNM+23, XLS20]. **359** [BS20]. **3800/109690** [SGTS23]. **3Worlds** [GDF22].

4 [Pas21]. **431** [CVTS20a, SE20a]. **435** [HES+23]. **443** [BdBG+21b]. **457** [AGS+22]. **458** [SGTS23]. **471** [KHH+24]. **489** [WHE+24a].

978 [Mea20, Pas21]. **978-0-7503-2430-4** [Pas21]. **978-3-030-24528-3** [Mea20].

ABACUS [ACZ+21]. **abalone** [DLZ+21]. **Abatus** [APGD+21]. **Abies** [SKW23, WYBX23]. **Ability** [EHS+20]. **abiotic** [DAB+20]. **above** [MK21]. **aboveground** [HLH+21, MMdP+21]. **absence** [CIL+20]. **absences** [FSY22]. **abstract** [SvV21]. **abundance** [CDJ+22, CPTD22, HLZ+22, KLNMG22, PSM22, SWF21, SDP23, WWP20, YCI20]. **Acadian** [SLLW21]. **Acari** [AFdSM23]. **accelerated** [ABH+20]. **acceleration** [KDC+21]. **accelerometers** [DBH+22]. **access** [PF23]. **acclimation** [TMNA20]. **according** [MOS21]. **Accounting** [JS22, BARF20, BDA+20, CAS+24, DS24, HGBK23, JJN22, MBFS21, NND+22]. **accretion** [BMAME+23]. **accumulated** [SSM24]. **accumulation** [BMAME+23, BRBT22, CJM+23, JMPB24, SLHB+23]. **Accuracy** [Pie23, ALJ+22, GWH20, MVAD20, WHdBB21, YCI20]. **accurately** [GSMD24]. **achieve** [VRW+21]. **acid** [BPL+20, WLQ+23]. **acidification** [RRCZ20]. **acoustic** [GSH+22, LDR+20, PDD+22]. **acquisition** [RRP+23]. **across** [ATP20, ASL+20, CKK+24c, EHS+20, EVT+21, GCS+21, LMW+23a, LPHO+20, MKS21, MF20, RFJ+22, RLS+24, YYS+22]. **action** [SRÁMH+20]. **active** [dRMJdS23, VMM+21]. **activity** [ABH+20, CDB+20]. **acuminata** [PCN+23]. **adapt** [CN20]. **Adaptability** [KHS+23].

adaptation [GHK23, MPA+24, RMK21]. **Adaptations** [Koo24b]. **Adapting** [CMGD+22, ERP21, OTR+21]. **Adaptive** [JST+22, AVP+23, ASKR24, SLC+23, SGPSzC22, SC24b]. **adding** [MVAD20]. **Addition** [KKF+23, SMM+22, ZMF+20]. **additive** [CIL+20, KWC24, MEPJ21, UGSG24, WSL+22]. **Addressing** [RAC+24, AAR23]. **adjacent** [CAFT22]. **adjusted** [ALJ+22]. **adjusting** [TBZ+22]. **ADM1** [PFM+21]. **Administrative** [BM22a]. **adsorption** [MTT22]. **adults** [AJJ24]. **advanced** [COJ23, KHS+23, LE23]. **Advancing** [KAT+22]. **advantage** [WZLC24]. **advection** [FMRMAS24]. **Aedes** [ABZ22, HLB+20, VMM+21]. **aerial** [DP20]. **aestivum** [GGS+22]. **affect** [CLPZ20, GMM+24, MJS24, PNGESS21, VSB22]. **affected** [LSS+21, PAPŁ+23]. **affecting** [LDXJ22, SOP22, YG21, ZYM+21]. **affects** [AHH22, Che22, GZW+20, SGCFB22, WZWF20]. **affordability** [ZHC23]. **Afforestation** [WXT+20, MTBB22]. **Africa** [COS23, LAK+23, MDB+20]. **African** [DDG+21, MTW+22, MD23, WMA21]. **africana** [DDG+21]. **after** [LZL22]. **Agadir** [RKN+21]. **against** [MKN23]. **age** [BMM22, DIS23, MMC+21, PSBE23, RRSG21, XFK21]. **age-0** [PSBE23]. **Agent** [BdBG+21a, CNNS+21, GGMR20, KLPJ24, MMMS23, NMC+20, PR21, AGS+21, AGS+22, ASKR24, BGK+20, BAM23, BTC+22, CXZ+23, CDNN+20, CSB22, CSMP21, DDG+21, DBN+22, EBMK20, HBC+22, JBF22, KE24, KS22, LTR+24, LE23, LL22, LZW20, MSLMM22, PBS21, STQ+22, SJA+22, TLL+23, VVH+20, WLY+23, WWF+23, ZMG+21, ZOJ+23, ZL24, BdBG+21b]. **agent-** [VVH+20]. **Agent-based** [BdBG+21a, CNNS+21, GGMR20, KLPJ24, MMMS23, NMC+20, PR21, AGS+21, AGS+22, ASKR24, BGK+20, BAM23, BTC+22, CXZ+23, CDNN+20, CSB22, CSMP21, DDG+21, DBN+22, EBMK20, HBC+22, KE24, KS22, LTR+24, LE23, LL22, LZW20, MSLMM22, PBS21, STQ+22, SJA+22, TLL+23, WWF+23, ZMG+21, ZOJ+23, ZL24, BdBG+21b]. **agents** [CDC+22]. **AgentSeal** [CNNS+21]. **ages** [Jia21]. **agglomerations** [MFZ23]. **aggregate** [JSD+22]. **Aggregating** [PDD+22, NPK+23]. **aggregation** [XLM+23]. **Agricultural** [Pas21, PHL20, RGD20, COJ23, DYMD22, JMPB24, MAD+20, MEGA21, MGdM+20, MTT22, NMV+23, NBMD21, SJA+22, TLC+22, TQM+24, TCS21, TSBE23, TK20b, USA21, VBH20, WGMR23, YG21, ZBW+24]. **agriculture** [LPA+21, MFPIBGES23, SD24, SLY+21, WrJP+22]. **agro** [KMH+21, PBF+23, TBCV22, TBZ+22]. **agro-ecosystem** [PBF+23, TBCV22]. **agro-food** [KMH+21]. **agro-pastoral** [TBZ+22]. **Agroecological** [KKP+21, MAD+20, OSPZ22]. **agroecosystem** [BMRF21, CJM+23]. **agroecosystems** [ZMK+22]. **agronomic** [BCMV20]. **AHP** [SD24]. **AHP-based** [SD24]. **aimed** [CM21, Yao21]. **air** [CZ21, FWK+20, LBB20, SBF+21]. **airborne** [Laz23]. **akashiwo** [SIOM24]. **al** [NBU+23, RFHR24]. **Alaska** [LMW+23b, WA20]. **alba** [SKW23]. **albacares** [DPC20]. **albopictus** [ABZ22, HLB+20, VMM+21]. **album** [GRAA22]. **Alces** [KAMS22]. **Aleppo** [BAZ22]. **Alewife** [NGA+20]. **algae**

[KNP+21, KBAC20]. **Algal** [XZZ+22, AWW24, BS21, CMKF22, CLH23, DVVH21, KDH+21, KSJ22, PTG+20, RFPRC23, ZGG22, ZWZ+20]. **algorithm** [Gat21]. **algorithmic** [dSMPA+22]. **algorithms** [CAK+24, SDH21, ZMF+20]. **alien** [SBS+20, SBS+21]. **Allee** [VBH20]. **alleviating** [MPA+24]. **allocation** [ABRG21, nCLpW+23, LBS20, NAM22]. **Allometric** [KKH+24]. **Allometry** [Abe20]. **Allosaurus** [KHR23, PR23]. **Alluvial** [WWF+23]. **along** [BMS+20, HK23, Lef23, LBGD21, LM21, NSS+23, OMP+23, PA20, SGTS21, SGTS23]. **Alosa** [NGA+20]. **alpine** [ALS+21, LGK+23, LGFT+20]. **alter** [PTD+23]. **altered** [CWY+24, GRCSA+20, KNP+21, LM21]. **alternative** [JvVvHH24, PTBFP+20, SD24]. **alternatives** [Koo20b]. **altissima** [dOPdMdS+21]. **altitudinal** [ZLL+23]. **altricial** [CC20]. **always** [GAC+21, Pér24]. **Amazon** [dOPdMdS+21, RFF+23]. **Amazonia** [JMC+22]. **Amazonian** [RRP+23]. **Ambient** [XWZ+22]. **Amblyseius** [TCG+20]. **America** [PMB+22]. **American** [ARSC22, BHC22, HBMR24]. **americanus** [BHC22]. **Ammospiza** [HBP+21]. **among** [ABM20, CKK+24a, LLZM20, Oku21, RBGB23]. **Amount** [MLV24, DL21]. **amplification** [CLHZ22]. **anadromous** [DSHB23]. **analogues** [PR21]. **analyses** [BGCJ21, HKG+24, MBG+22, SC21]. **analysing** [HHFB23, Jag20]. **Analysis** [AP22, BDP+23, CP20, RUTY23, USA21, WF24, AG22, AHO+20, AAC20, BPB+20, BCW+23, BBSHC22, BLSR+20, CWF+21, CGVC21, DPA21, DS24, ESCA22, EGAS23, ENARM+23, FEPR24, HRW+24, HEL+21, HLM+20, IA23, JGG23, JLLS23, KT22, KKF+23, KHS+23, KUK+21, LL22, LLZM20, LDZ21, LZL22, LHJ+24, LM23, LLW+21, MFZ23, MPC+22, MMRBLN20, MLV24, NGA+24, NDNN22, NPS+23, OFH+20, PK23, PMZ+21, PDW23, PFM+21, PHK23, PPSS22, QS23, RGB+23, SQDM21, SDSP+21, TGB+23, TK20a, TQM+24, TK20b, WWC+22, WSHZ24, WFW+24, WCF+22, Yao21, ZMK+22, ZWL+21, ZZWF21, dGZHCA24, vDC20, BTC+22]. **Analytical** [CLH23, JZHT23, Mas23, NND+22, UGSG24]. **Analyzing** [RBEC21, SGPSzC22]. **Angelica** [ZWL+21]. **Animal** [RLS+24, ABB23, Ano20-50, AARS23, BLB24b, BVR+20, BTC+22, CDNN+20, DBH+22, JGG23, JVGC21, KLA+20, KHH+22, KHH+24, KLNMG22, MSG23, MKS21, WMA21, dKS22]. **animal-borne** [DBH+22]. **Animal-vectored** [RLS+24]. **animals** [HI22]. **ANN** [LNK+21]. **Announcing** [Fat21]. **annual** [HH23, RLM23]. **answer** [CBSB23]. **antagonistic** [LBL22, YL22]. **Antarctic** [BMB21, GSM+20]. **anthesis** [KFM+23]. **Anthropocene** [SMP20]. **anthropogenic** [MFH+22, MAB23, SGRDA+24]. **antipatharian** [MTL+23]. **Antipathella** [MTL+23]. **APEX** [AJG22b, PR21, AJG22a]. **aphid** [BPW+21]. **aphids** [Hop23]. **Apis** [JSL+20, LBT+22]. **Apostle** [SOV21]. **App** [dSMPA+22]. **appearance** [PTF23]. **Application** [AG22, BGA+23, CMGD+22, CJM+23, DMG22, JB22, LCP+20, MDB+20, RWF22, RFCEL22, RFPRC23, SRB+20, YHC+21, YCI20, dMT23, AM22, ABR24, AACCIS20, BSPT23b, CH22,

CAH22, DBV+22, DP20, GSC+23, HLS+23, JZJ+20, KRM+22, MKR20, MEGA21, MFF+24, MPA+24, MKB+24, OKS+21, PG23, PTRP23, RJY+20, RRSG21, WYJ+22, ZZZD22, dVDC20, DYMD22, MTP+20]. **Applications** [MLD+23, BAR20, DGSM21, GRS+20, KCP+23, Laz23, MBMV20, PPSS22, RAC+24, YRK+20]. **applied** [BM22b, CAS+24, KABL21, NMGFOB21]. **apply** [CXZ+23]. **applying** [BVR+20, RAB21]. **Approach** [JZS+21, LB21, AZBdAI23, BdCCdSAdS23, BLB+20, CB20, CMS+21, DIS23, DPA21, DSC+21, DPC20, EON23, FCFCM24, FFM+23, FMRMAS24, GHbS21, GZK+20, HBP+21, HKB+20, ILLM20, KTB+23, KWG+22b, Kos22, LTR+24, LG20, LL22, LL21, LLB+23, Lov24, ŁJ21, LYM+23, dSMPA+22, MDP21, MTBB22, MVC+22, MSS24, MKB+24, NA22, NAM22, RK20, RBMRR20, RLdM20, SBS+21, SRÁMH+20, SLYL+20, SCB+20, SRTS20, SWF21, ST24, SWW+23, SKH+20, SZL+20, TPD+24, TSdOCV21, TSBE23, WST+23, WBD+22b, ZJEG24, dGZHCA24, dAWG23]. **approaches** [DTR+22, HPMB20, LBB20, RBEH21]. **approaching** [PDG+20]. **appropriate** [Mas23]. **Approximate** [BSR+23]. **approximation** [WSL+22]. **April** [Ano20a, Ano20m, Ano21a, Ano21m, Ano22a, Ano23a, Ano24a]. **APSIM** [CHR+23, EHS+20, HRW+24, OHH+21]. **APSIM-Potato** [OHH+21]. **APSIM-wheat** [HRW+24]. **Apulia** [GSC+23]. **AquaCrop** [PAdS+24]. **Aquaculture** [VLGG+20, FMH+20, GLA+20, HLS+23, HK23, LUV+23, LLC+24, WT20, YRK+20]. **aquatic** [ADR21, DK22, KE24, LYC+21, NKT+20, OKS+21, RBEH21, SKH+20, Yao21]. **aquatic-terrestrial** [OKS+21]. **aqueous** [MTT22]. **arable** [HSP+22]. **arboviral** [LDS+23]. **archipelagos** [RMV+24]. **architectures** [WrJP+22]. **archival** [HBMR24]. **Arctic** [DSHB23, JOE23, TLL+23]. **Arctodiaptomus** [TBP+23]. **Area** [DMdR24, WXT+20, XWX+24, AFdSM23, BBCD23, DHW+20, GJC+20, HKSM23, HH23, IA23, JS22, JHL23, LLW+21, MZLRSZ21, OBFH22, RPT21, SBF+21, SRK+20, ST24, VPV21, WWC+22, ZLZ+24, MTP+20, RGD20]. **areas** [AXMJ22, ALS+21, GCS+21, KT22, MRR+20, PAS+22, RBLS23, RFdL+24, RRFLV+22, SZPW23, VRW+21, ZBW+24]. **Argentina** [AZMD+22]. **Argentinean** [BAZ22]. **arguments** [AAM+22]. **arid** [FS22, GLK+22, LHJ+24, MPSS24, NWO21, PAdS+24, RSASP22, RS23, WXX+23, WFW+24]. **aridity** [HH23]. **arise** [CR24]. **arising** [AP22]. **armed** [Gat21]. **aromatic** [ZYZ22]. **arrangement** [CGB+23]. **arrangements** [PAdS+24]. **arrays** [PDD+22]. **Arrhenius** [MBMV20]. **Artemia** [KDC+21]. **Artemisia** [SZL+21]. **arthropod** [VMM+21]. **arthropods** [ZBW+24]. **article** [Fat21]. **artificial** [BSPT23a, BSPT23b, BLB+20, DLY+22, MS20, SNM+23]. **ascendency** [LZSQ20]. **Asia** [ZLLZ24, ZFC+23]. **asiaeorientalis** [DZC+23a, DZC+23b]. **Asian** [NO24]. **Assembling** [CdCAC+20]. **assembly** [QZSV21]. **assess** [CMS+21, FDSM20, JSL+20, LGFT+20, RRFLV+22]. **assessed** [BPL+20]. **Assessing** [BARF20, CHR+23, CLW23, GSA24, HHBF24, JPMA+23, LLB+23, LHJ+24,

OHH+21, PR22, RMV+24, SCB+20, TMFV22, TCS21, WA20, WWCT24, CC23, DBK20, DBDR22, JSD+22, LTR+24, MGK+23, MM21, ZOJ+23]. **Assessment** [BZZT22, GRCSA+20, ILLM20, AFG24, ACZ+21, BM22b, DIS23, EOÖ21, For24, FLG+23, GMM+24, KBSS23, LBI+20, LGK+23, LLW+21, LCMB21, MPC+22, MBFS21, MFH+22, MSS24, OZSU22, PBF+23, RSASP22, RBLS23, RS23, RFHR23, SLY+21, TBCV22, TWL+22, TKO+22, VPAV22, XWX+24, Yao21, ZHJQ23, ZYM+21]. **assessments** [CB20]. **assisted** [MKEH20]. **association** [LW23, PPSS22]. **associations** [KCS22]. **assumptions** [BHC22]. **asynchrony** [HSL+22]. **Athias** [TCG+20]. **Athias-Henriot** [TCG+20]. **Atlantic** [dSRDC+23, DTD+23, HK23, RKN+21, VRRI+24]. **Atlantis** [SHF24, BLSR+20, CBG+22, PKB+23, dGZHCA24]. **atmosphere** [BLB+20, BGC+24, KKP+21]. **attention** [PDW23]. **attentional** [vWVH20]. **attenuation** [SBWB24]. **audience** [CVTS20a, CVTS20b]. **augmentation** [RMA+24]. **augmented** [LAK20]. **August** [Ano20b, Ano20n, Ano21b, Ano21n, Ano22b, Ano23b]. **Aurelia** [YSFX23]. **aurita** [YSFX23]. **Australia** [CH22, FEPR24, YKZ+23]. **australis** [YXY+20]. **author** [CYP+20]. **autochthonous** [LDS+23]. **autocorrelated** [DMM+23]. **automata** [JB22, LZW20, SLC+20, ZHWZ23]. **Automatic** [LKP+20]. **automaton** [YXY+20]. **automobile** [IA23]. **Autoregressive** [DMG22]. **availability** [BLLL21, CLW23, JS22, KAB+23b, NWO21, VVH+20, WSN+21, ZHC23]. **Available** [RBVL+20]. **average** [PSG+22]. **averaged** [Che21, HMC20]. **avian** [WSN+21]. **Avicennia** [LK20]. **avifauna** [ADR21]. **avoid** [Koo24a, Uch23]. **avoidance** [CLH23, PF23].

B [DWH+21]. **backed** [vdMvDSL20]. **Background** [SC24a, RPT21, WSM24, XWZ+22]. **Bacteria** [BMBB24]. **bacterial** [ZL24]. **bacterium** [LPSF24]. **Baetidae** [KFJS20]. **baited** [KCHZ21]. **Baiyangdian** [ZYZ22]. **balance** [HCP+20, LGA20, RPARM20, ZFT20]. **balanced** [YL22]. **Balearic** [EWE20]. **ballistics** [PM22]. **Baltic** [BNN20, BNAR+21, SRK+20]. **bamboo** [ZCJ+20]. **banana** [CMSD+22]. **bandit** [Gat21]. **bank** [BGR20, LKO20]. **bar** [Tsy22]. **barbarum** [SWHZ22, WSHZ24]. **Barcelona** [MTP+20]. **Barents** [NHGP23]. **bargaining** [SACE+20]. **barnyardgrass** [MVC+22]. **Barrier** [ABR24, IA23]. **Barro** [FG21]. **Based** [LB21, Por21, ASHK22, AADHA+23, AAM+22, AGS+21, AGS+22, AWW24, ASKR24, AHO+20, APGD+21, AAC20, BdSG+23, BMB24, BDC+22, BPN+20, BGS+20, BGK+20, BSCH23, BdBG+21a, BAM23, BM21, BTC+22, CMHZ23, CXZ+23, CVTS20a, CVTS20b, CDB+20, CAK+24, CDNN+20, CNNS+21, CGVC21, CPTD22, CSB22, CSMP21, CLG20, DK22, DPA21, DSC+21, DDG+21, DBN+22, DAB+20, DWG22, DWH+21, ESCA22, EWE20, EBMK20, EV22, EL22, ENARM+23, GSA24, GGMR20, GRCSA+20, GSRB22, HBMR24, HLB+20, HKG+24, HBC+22, HEL+21, HGBK23, HCPG20, HFP20, HFP22, JvVvHH24, JHL23, KFM+23, KCP+23, KE24,

KS22, Koo24a, KWG+23, KTB+21, KLPJ24, KUK+21, LTR+24, LGFT+20, LE23, LL22, LZSQ20, LBI+20, LDZ21, LJP+22, LQH24, LZW20, LCW+21, Lov24, LLW+21, LYL+24, MFZ23, MSG21a, MSG23, MKS21, MDT+23, MRR+20, MLJ+23, Mea20, MSLMM22, MTZA23, MMMS23]. **based** [MPCG21, MM21, NWO21, NO23, NS20, NMC+20, NLMM23, OKS+21, PR21, PDW23, PFM+21, PAS23, PBS21, PDD+22, Pér24, PMP+21, PM22, RPG20, RFJ+22, RBMRR20, RFdL+24, RRFLV+22, STQ+22, SJA+22, SD24, SLY+21, SWHZ22, SZ20, SPV+21, TWL+22, TLL+23, TSUY23, TPD+24, TBM+24, VN23, VVH+20, VSS+22, WHE+24a, WHE+24b, WBW+20, WRC21, WGAH22, WZLC24, WYBX23, WBD+22a, WWF+23, WKL+21, WrJP+22, XLM+23, XHS+24, ZMG+21, ZMS20, ZOJ+23, ZYZ22, ZZWF21, ZPZ+22, ZHJQ23, ZZQ23, ZL24, BdBG+21b, RRSG21, ZYM+21, Mea20]. **baseline** [ABB23]. **BASGRA_N** [HCP+20]. **Basin** [CWY+24, TGRM23, nCLpW+23, RSASP22, SD24, XHS+24, ZGMFESD23, LUT+24, MP23, XHS+24]. **basis** [JZS+21, KLA+20]. **bass** [LBI+20, WBW+20, WBD+22a]. **bat** [PM22]. **bathypelagic** [CGRR+24]. **battle** [MKN23]. **Bay** [HLS+23, LUV+23, SZL+20, DHW+20, DEMJ24, FMH+20, HML+22, HSD+21, PHK23, dGZHCA24]. **Bayesian** [BSR+23, GZK+20, CB20, GML+20, HZ22, HEL+21, KDH+21, MKB+24, RMA+24, SDH21, TDI+20, VSS+22, WSL+22, WBD+22b, ZWL+21, ZS20]. **bayesian-network** [GZK+20]. **bays** [BRBT22]. **be** [FSY22]. **beachrock** [SGP+20]. **bear** [CLW23, GCS+21]. **bee** [BSR+23, CSCT23, HCL+22, LBT+22]. **beech** [LhNA+21, LhNA+22, SKW23]. **beet** [AAM+22]. **beetle** [SC23]. **BEFANA** [MPC+22]. **before** [LZL22]. **behavior** [DAB+20, EWE20, JB22, JZHT23, KCHZ21, KS22, LCP+20, LJP+22, PAPŁ+23, WFD23]. **behavioral** [CMFC23, DBH+22, FTH24, MBB20]. **behaviors** [CAH22, GSH+22]. **behaviour** [ASKR24, LHDBN20, dAWG23]. **behavioural** [HBMR24, JPMA+23, JRD+22]. **behaviours** [JVGC21]. **behind** [DPC20]. **Beibu** [ZHJQ23]. **Beijing** [LZF21, LW23]. **being** [GMS+23, HL23, YPS+21]. **below** [MK21]. **belowground** [BPN+20]. **Belt** [LMW+23a]. **beluga** [MCB+23]. **Benchmark** [FHP+22]. **Benchmarking** [UGSG24]. **benefits** [CTL22, SWL+23]. **Bengal** [SD24]. **Benthic** [WLLW20, BAAN24, SBS+21, SINS22, TRMB20]. **Benthic-pelagic** [WLLW20, SINS22]. **bentho** [NT23]. **bentho-pelagic** [NT23]. **Bering** [OCT+23]. **Bernard** [PVS+21]. **Bertalanffy** [LK24a]. **best** [BM22b, CSMP21, VPV21]. **better** [DAQ20, HKY24, JJN22, MJdORPG23]. **between** [ABZ22, AS22, AM21, BLB+24a, BAR20, BLB+20, BG22, CWY+24, CMKF22, CZ21, CLY+23, CMA23, DYMD22, DSC+21, GVG+23, GSM+20, KKP+21, LRA+20, LZL23, LK24b, LGA+21, MYACC22, MFPIBGES23, MPMT23, MGWG22, PPSS22, RUTY23, RP22, SLLW21, TLL+23, Vas20, WZHP21, YZZF22, YD20, ZMK+22, ZSS21, dKS22]. **Beyond** [MBMV20]. **BGC** [CAK+24, SNP+23]. **Bhutan** [CNSK21]. **bias** [AJJ24, RGD+22]. **biased** [AP22, BLP20, JMM+20]. **bibliographic** [DK22].

Bifurcation [SQDM21, NDNN22]. **bighorn** [DGSM21]. **Bilberry** [ML20]. **bimodal** [GDC24]. **bio** [ACFM22, TMFV22]. **bio-energetic** [TMFV22]. **bio-geochemical** [ACFM22]. **bioaccumulation** [GMM20, MLP+20, MPL+20]. **bioactive** [LBI+20]. **BioBaM** [KMH+21]. **BioBaM-GHG** [KMH+21]. **biochar** [SMM+22]. **bioclimatic** [ALJ+22, BRC+21]. **biocontrol** [ABC+22, CH22, JBF22, dAWG23]. **biodiverse** [WGMR23]. **biodiversity** [BRC+21, BSM23, CBW22, DSC+21, DWG22, DLT+22, GAM20, LG20, MPMT23, MPC+22, MAGR+22, MGdM+20, MBD+22, MPA+24, PBF+23, PNGESS21, TCS21]. **biodiversity-ecosystem** [MPC+22]. **Bioeconomic** [PHK23]. **bioenergetic** [LLB+23]. **bioenergetics** [DHW+20, HMVR21, HML+22, MFF+24]. **bioenergy** [ESCA22, LG20, MEGA21]. **bioenergy-driven** [LG20]. **Biogeochemical** [SMP20, BPL+20, DMdR24, ESZ+23, GGE+23, NBML21, SGTS21, SGTS23, Tsy22]. **biogeography** [ERP21]. **Biological** [BMRF21, BPW+21, CC23, CXZ+23, FMH+20, KCP+23, LRA+20, MBR+23, MBMV20, SvV21, SE21, TCG+20, XLS20, XGT+24]. **biomass** [ABRG21, AG22, AKY+22, ACZ+21, CJM+23, DBV+22, DS24, ERP21, GSR+23, HLH+21, KHH+22, KHH+24, KLPJ24, LYC+21, LCLG20, LUT+24, MMdP+21, MBS22, NK23, RWF22, SRB+20, WHL+23, ZZŠ+22]. **biome** [DDDC21, SNP+23]. **biome-BGC** [SNP+23]. **biophysical** [GML+20, HZ22, MTW+22, RMV+24, TK20b]. **biophysics** [RFHR23]. **biorefinery** [CAS+24]. **bioremediation** [GLA+20]. **biosphere** [FMSR20]. **biotic** [BLA+24, DAB+20, GSJC22, OMP+23]. **biovolume** [DAQ20]. **biphasic** [CMG20]. **bird** [ASL+20, CPTD22, WWCT24]. **birds** [CC20, GAC+21]. **birth** [NTHC23]. **Biscay** [DHW+20, dGZHCA24]. **bivalve** [FMH+20, HMGK20, TMFV22]. **bivalves** [CMGD+22]. **bivalvia** [RMV+24]. **black** [LK20, vdMvDSL20]. **black-backed** [vdMvDSL20]. **blackspot** [DTD+23]. **blessing** [CBSB23]. **blight** [HEL+21]. **bloom** [AWW24, BS21, CR24, HMC20, KSJ22, PTG+20, SINS22, XZZ+22]. **blooms** [CMKF22, CLH23, DVVH21, ELS23, JvVvHH24, LWZL23, RFCEL22, RFPRC23, ZGG22, ZWZ+20]. **Blue** [TGRM23, CMFC23]. **boar** [KT22, LP22, RRFLV+22]. **Board** [Ano20y, Ano20z, Ano20-27, Ano20-28, Ano20-29, Ano20-30, Ano20-31, Ano20-32, Ano20-33, Ano20-34, Ano20-35, Ano20-36, Ano20-37, Ano20-38, Ano20-39, Ano20-40, Ano20-41, Ano20-42, Ano20-43, Ano20-44, Ano20-45, Ano20-46, Ano20-47, Ano20-48, Ano21y, Ano21z, Ano21-27, Ano21-28, Ano21-29, Ano21-30, Ano21-31, Ano21-32, Ano21-33, Ano21-34, Ano21-35, Ano21-36, Ano21-37, Ano21-38, Ano21-39, Ano21-40, Ano21-41, Ano21-42, Ano21-43, Ano21-44, Ano21-45, Ano21-46, Ano21-47, Ano21-48, Ano22d, Ano22e, Ano22f, Ano22g, Ano22h, Ano22i, Ano22j, Ano22k, Ano22l, Ano22m, Ano22n, Ano22o, Ano23d, Ano23e, Ano23f, Ano23g, Ano23h, Ano23i, Ano23j, Ano23k, Ano23l, Ano23m, Ano23n, Ano23o, Ano24b, Ano24c, Ano24d, Ano24e, Ano24f, Ano24g]. **bobwhite** [STW+23]. **Bogota** [RBEC21]. **Bohai** [GSJ+20, YD20]. **bollworm** [WXH+22]. **boosted** [DBN+22, YCI20]. **border** [JHL23]. **boreal**

[BWT+24, HLH+21, LPS+21, LMW+23b, ML20, MLV24, RPB+23]. **borer** [BMRF21, MBR+23]. **borer-parasitoid** [BMRF21]. **borne** [AV22, DBH+22, WGK+21]. **both** [CBSB23, WGMR23]. **botrana** [AZMD+22, AZAD+23, CdCAC+20, PSM22]. **bottom** [vdHNH+20]. **BOUKHALEF** [JB22]. **boundaries** [BMB24, ZYK22]. **boundary** [BM22a, SvV21]. **bounds** [LKO20]. **box** [LGG+22, PGB+20, SBR20]. **box-model** [PGB+20]. **boxes** [VJK+23]. **boxwood** [LGG+22]. **branch** [KLS20]. **branchiopods** [Koo24b]. **Bray** [RP22]. **Brazil** [dSBDH23, GSA24, MRR+20, OBFH22, dMT23, dPGDdFS24]. **Brazilian** [BdCCdSAdS23, MMdP+21, dRMJdS23]. **breeding** [CPTD22, GAC+21, RM20]. **Brian** [Des21]. **Bridging** [BMS+20, CSBS21, RP22, ZJEG24]. **broad** [ASL+20, CVTS20a, CVTS20b, TLL+23]. **broad-scale** [TLL+23]. **broadleaved** [WLT+23]. **broadleaved-Korean** [WLT+23]. **brood** [CMFC23]. **brood-dependent** [CMFC23]. **brown** [LG20, NDNN22, RWF22]. **browsing** [BLB+24a]. **Brucella** [LGFT+20]. **Bt** [WXH+22, dAWG23]. **budburst** [PGdAM+20]. **Budget** [FCP+20, GLA+20, LFN+20, VLGG+20, vdMvDSL20, CDB+20, DLZ+21, HMGK20, JMHH22, KD20, Koo20b, LAK20, MKS21, Mat23, RPG20, RJY+20, RRCZ20, VVH+20, YRK+20, DPC20]. **budget-based** [VVH+20]. **budget-individual** [CDB+20]. **budgets** [PDG+20]. **budworm** [SCG+23, STRC24, cNKF24]. **Building** [GZW+20, JLH+21, BTC+22]. **built** [AIA+23]. **Bulgaria** [SGRDA+24]. **Bumble** [CSCT23, BSR+23]. **bumblebees** [CDNN+20]. **Bunda** [MDP21]. **buoyancy** [ABR24]. **buoyancy-driven** [ABR24]. **burned** [HH23]. **Burning** [LMW+23b]. **bycatch** [Ino22]. **BZI** [SDP21].

C3 [Mas23]. **cactus** [PAdS+24]. **cadmium** [GMM20]. **cage** [ABC+22]. **Calanoida** [TBP+23]. **Calanus** [BVM+21]. **calculation** [RBMRR20]. **calculations** [AAM+22]. **Calgary** [MMMS23]. **calibrate** [FFM+23]. **Calibration** [BSR+23, PFM+21, PAdS+24, FHP+22, HEL+21, JS22, LKP+20, LPHO+20, MPL+20, OFH+20, SNM+23, SDH21, VSS+22]. **Callinectes** [CMFC23]. **Cambodia** [TKO+22]. **camera** [HI22]. **CaMP** [BWT+24, BST+20]. **Camptotheca** [PCN+23]. **CAMPUS** [FSZ+20, FZS+20]. **CAMPUS-S** [FSZ+20, FZS+20]. **Can** [BLB+24a, GSM+20, vOVvdW23, CLHZ22, GMM+24, KN20, KHH+22, KHH+24, LGG+22, Lef23, ŁKPK22, MVAD20]. **Canada** [BWT+24, DMdR24, MPPM23, MTBB22, RPB+23, SCG+23]. **Canadian** [BST+20, BWT+24]. **Canis** [HKG+24]. **canopies** [PNGESS21, PMP+21, ZOJ+23]. **canopy** [CWW+23, CGVC21, HKY24, HKSM23, KBAC20, LWL24, MK21, MLJ+23]. **canyons** [GZW+20]. **capabilities** [GLH24]. **capacity** [HP20, MPSS24, PGB+20, TWL+22, YD20, ZHJQ23]. **Cape** [MDB+20, HBP+21]. **capita** [SGA22]. **capital**

[BARF20, BDA+20, GPN+23, TBCV22]. **capture** [DMM+23, GZW+20]. **capture-recapture** [DMM+23]. **capturing** [YYS+22]. **Carapa** [dOPdMdS+21]. **Carbon** [GZW+20, RMO22, ACFM22, AKY+22, BKTM20, BMAME+23, BST+20, BWT+24, BLB+20, BGC+24, CM21, CMHZ23, CLW+24, CSB22, CLG20, DIS23, DBV+22, EL22, EON23, FEPR24, FSZ+20, FZS+20, HLM+20, JLV+21, JMPB24, JMC+22, KKP+21, KAB+23b, KKPR20, LMW+23a, LSS+21, MLD+23, MTBB22, MLV24, MSG+21b, NKT+20, PZH+21, PGSL+20, RRP+23, RFF+23, SPPC21, SNP+23, WF24, WZLC24, WYBX23, XLS20, XLM+23, YA24, YJC+24, ZFT20]. **carbon-neutral** [EON23]. **carbon-nitrogen-water** [PGSL+20]. **carbonyl** [CWW+23]. **carcass** [PM22]. **careful** [BM22a]. **Caretta** [CRZ+23, MZLRSZ21]. **caribou** [SDD+20]. **Carlo** [PM22, SDH21]. **carnivore** [GCB+22, PBS21]. **Carnosaurs** [PR21]. **carps** [LWE+22]. **carrying** [GJC+20, HP20, MPSS24, PGB+20, TWL+22, YD20, ZHJQ23]. **cascade** [DYW+22, WLZ+23a]. **cascades** [BDC+22, BNN20]. **Case** [OBFH22, SPPC21, ZLML20, AFdSM23, AIA+23, BCW+23, BH21, BGK+20, BG22, BARF20, CL21, ETAAH21, GRGHM21, GSJ+20, HNC+21, JLLS23, LZSQ20, LDZ21, LZL23, LDX+23, LZL22, LPA+21, LYL+24, LCMB21, MS20, Men22, MVC+22, OHH+21, OCT+23, PHK23, PSM22, PTNR+20, RFJ+22, RKN+21, RGD20, RAB21, SLC+23, ST24, SWP+23, SZL+20, TLH+20, VMM+21, WBD+22b, XWZ+22, XHS+24, XMWL23, YKZ+23, ZMK+22, ZWL+21, ZHJQ23, ZZQ23, PMP+21]. **Catalonia** [LDS+23]. **Catastrophic** [Uch23]. **catch** [Lov24, LCMB21]. **catch-and-release** [Lov24]. **catch-at-length** [LCMB21]. **catchment** [BPL+20, COS23, ZMK+22]. **cattle** [CPAT20]. **causal** [AIA+23]. **caused** [YB22]. **causes** [NGA+20, RM20]. **causing** [EBMK20]. **Cautions** [ZFP21]. **Cautious** [MOS21]. **cavities** [VJK+23]. **CCG** [XLM+23]. **CCG-MRIO** [XLM+23]. **Cd** [MTT22]. **cedar** [HKSM23]. **cell** [OSH+21]. **cellular** [JB22, LZW20, SLC+20, YXY+20, ZHWZ23]. **CEmCA** [MMMS23]. **Central** [RSC+21, RSC+23, BAAN24, CNNS+21, LZF21, MLL20, ZLLZ24, CCH20, DSC+21, Pre22, ZFT20, ZFC+23]. **central-place** [CNNS+21]. **centric** [XLM+23]. **centroid** [BM22a, MYACC22]. **century** [YCK20]. **cepedianum** [PSBE23]. **CERES** [PTF23]. **certain** [LKO20]. **CH** [GAMN+23]. **Chagas** [EBMK20]. **chain** [LM23]. **chalcographus** [OFH+20]. **Challenges** [AGS+21, AGS+22, HL23, LSG21]. **Change** [HHI+22, BOLC+22, BNAR+21, COJ23, CDN+23, COS23, COPM23, CNSK21, CMS+21, EBS23, FS22, HLH+21, JLLS23, KWC24, LBGD21, LSS+21, MTBB22, MLV24, MBD+22, MLP+20, MPL+20, MPA+24, MSS24, NGA+20, NYH20, PK23, PTD+23, PR22, RSASP22, RSC+23, RBVL+20, SLC+23, SMD+20, SWP+23, SSB22, SGRDA+24, SMV+20, TKO+22, WMA21, WLT+23, XLS20, YCK20, YLLL23, YPS+21, ZLLZ24, ZXK+24, ZHWZ23]. **Changes** [AACCIS20, BS21, MSG+21b, NYH20, BdCCdSAdS23, dSBDH23, CGRR+24, CL21, CPTD22, EL22, EON23, FAC22, HKSM23, LHJ+24, LLW+21, MMdP+21, NK23, PAS23, QS23, SBS+20, WWC+22, WSFZ21,

YZZF22, YB22, YPS+21, ZFT20]. **Changing** [LDS+23, APGD+21, BHC22, CN20, HSF+20, HCX+21, KWG+22b, MCB+23, OBFH22, TGRM23, TMNA20, TCS21, WSN+21]. **Channel** [DHW+20]. **channelized** [LEC+23]. **Chaos** [GZ23]. **Chaotic** [CR24, BMRF21]. **CHAPY** [OFH+20]. **char** [DSHB23]. **character** [CMA23]. **characteristics** [AAC20, LZF21, MFZ23, MBS22, SGH+23]. **Characterization** [HCW+22]. **characterizations** [HMDO20]. **characterize** [OTR+21]. **Characterizing** [dAdSCA20]. **Chattonella** [SIOM24]. **cheating** [LL22]. **Chelonia** [SMV+20]. **chemicals** [LBI+20]. **Chenopodium** [GRAA22]. **chensiensis** [WYBX23]. **Chernobyl** [VSK+20]. **Chesapeake** [DEMJ24, HSD+21, PHK23]. **chicken** [FC21]. **chicks** [vdMvDSL20]. **Chile** [BAAN24]. **chimpanzees** [CDC+22]. **China** [BCW+23, CWY+24, COJ23, CDN+23, CL21, CMHZ23, GJC+20, GSJ+20, HLH+21, HLS+23, JLLS23, KHS+23, LZSQ20, LZL23, LPHO+20, LZF21, LZL22, LGL+24, LYL+24, LW23, MFZ23, PZH+21, QS23, WHW+23, SWP+23, SZL+21, SRB+20, SZL+20, SML+20, TBZ+22, TLH+20, TGL+22, WWC+22, WXH+22, WLZ+23a, WYBX23, WLZ+23b, WLT+23, XLS20, XWZ+22, XWX+24, YLLL23, YD20, ZSS21, ZZW+22, ZBH+22, ZBW+24, ZLML20, ZXK+24]. **chinensis** [LGL+24, YRK+20]. **Chinese** [CZ21, ZLLZ24]. **Chinook** [BLLL21, HP20, MBB20, WDW+22]. **chlorophyll** [LKP+20, WCSX22, YYS+22]. **Choice** [AHH22, CSMP21, KTB+23, PMB+22]. **Chondrichthyes** [RSC+21]. **Chongqing** [JLLS23]. **chromosome** [BPB+20]. **Chronic** [HCW+22, BGK+20, KS22, TBM+24]. **circles** [ZHC23]. **circuit** [XHS+24]. **circulation** [KiAM+20]. **CiteSpace** [ZZWF21]. **cities** [LZF21, MKR20, NSS+23, YD20]. **citizen** [EMH+22, JMM+20, KAMS22, KRM+22, LJRM+20, SLB+23, VMH+21]. **City** [SBF+21, EON23, RPARM20, XLM+23, ZZQ23]. **city-centric** [XLM+23]. **Cladophora** [KBAC20, KAT+22]. **Clair** [KWM+24, MSL+21]. **clarify** [ZHC23]. **class** [BSCH23]. **classification** [Lia23, PSG+22, WrJP+22]. **classified** [dVDC20]. **Clay** [KFJS20, MTT22]. **cleaner** [JMHH22, LBN+22]. **Climate** [HHI+22, PTD+23, AHH22, AMP+23, BOLC+22, BS20, BNAR+21, CWY+24, COJ23, CDN+23, CNSK21, CMS+21, CN20, Dav22, DMG22, ELS23, EBS23, FS22, HMC20, HLH+21, JST+22, KNP+21, LK20, LBGD21, MMdP+21, MTBB22, MLV24, MBD+22, MPA+24, MSS24, NHGP23, NYH20, OBFH22, PK23, QS23, RSASP22, RSC+23, RBVL+20, SLC+23, SMD+20, SSB22, SGRDA+24, SMV+20, TGRM23, TCS21, TKO+22, WHL+23, WSHZ24, WKL+21, WLT+23, XLS20, YCK20, YLLL23, ZZŠ+22, ZRMW+20, ZXK+24]. **climate-driven** [NHGP23]. **climates** [BPW+21, Hop23, JS22]. **Climatic** [DMdR24, CLW23, CAK+23, CAK+24, LHJ+24, TGL+22]. **climatological** [CDN+23]. **clone** [AXMJ22]. **closure** [OHR+23]. **CLUE** [COS23, KMP+23]. **CLUE-S** [KMP+23, COS23]. **clues** [BMBB24]. **CMEMS** [ACZ+21]. **CMIP5** [ZFT20]. **CNN** [ZHWZ23]. **CNN-LSTM** [ZHWZ23]. **co** [DAG+21,

Kos22, MJS24, GAMN+23, HKSM23, KKPR20, PG23, YLLL23, ZFT20]. **co-existing** [Kos22]. **co-harvest** [DAG+21]. **co-invaders** [MJS24]. **coast** [BWS+20, HMVR21, HK23, RKN+21]. **coastal** [BRBT22, CMGD+22, KPLH24, LLB+23, MKEH20, NSS+23, OTR+21, OBFH22, PZH+21, SBF+21, SRK+20, TWL+22, Vas23, WCSX22]. **coasts** [OTR+21]. **cod** [JOE23]. **code** [MTT22]. **coefficient** [MBMV20, RFdL+24]. **Coefficients** [PPSS22]. **Coexistence** [SE22, AM21, CKC20, LGG+22, Pér24, YL22]. **coextinction** [BANG20]. **coffee** [CGB+23, KTB+21]. **cognitive** [GLH24]. **cohort** [KK20]. **cohorts** [GSMD24]. **colchicus** [KLPJ24]. **cold** [GSR+23, PA20]. **Coleoptera** [AJJ24]. **collaborative** [BJKT21]. **collapses** [SLC+23]. **Collective** [AZBdAI23, WLY+23]. **collision** [BLB24b]. **Cololabis** [KiAM+20]. **Colombia** [RBEC21]. **colonization** [SKH+20]. **colony** [HCL+22]. **color** [CBG+22]. **Colorado** [FG21]. **Columbia** [MBB20]. **column** [Lef23, VRRI+24]. **combination** [HPMB20]. **combinatorial** [HBC+22]. **Combined** [SM22a, WKL+21, Dav22, LBGD21, LZL22, LYM+23, TKO+22]. **Combining** [BBCD23, BVR+20, CDNN+20, ZMS20, BOLC+22, WWP20]. **commensal** [JBF22]. **Comment** [CYP+20]. **Comments** [CCJK+20]. **commercial** [VRRI+24, WBW+20]. **commercialization** [MLD+23]. **common** [CDB+20, MHP+23, MLP+20, MPL+20, YXY+20]. **commons** [AZBdAI23]. **communities** [CDJ+22, CSMP21, JRD+22, KCS22, PBF+23, YL22]. **community** [AADHA+23, CWF+21, Che22, CSB22, For20, LDZ21, LSL21, MGHT20, MPCG21, MPA+24, SOV21, SDSP+21, VSB22, WCF+22, Wu24, YXH20, YEL+21, ZMS20, LL22]. **compactness** [WST+23, ZYK22]. **COMPADRE** [TK20a]. **Comparative** [EOÖ21, MFZ23, TCG+20, Koo20a, Koo24b, KBSS23, TQM+24, ZMK+22]. **compare** [BAAN24, CAB+21]. **Comparing** [ALK20, CKC+24, SRTS20, WHL+23, WSL+22, WT20, GAM20]. **Comparison** [CMHZ23, GLK+22, PCN+23, ZMF+20, LZL22, PTF23, RSWS23, SDH21, TSdOCV21, WGAH22]. **compartment** [KWG+22a]. **compatibility** [AVP+23]. **compensation** [BANG20]. **Competing** [PBH22]. **Competition** [BdSG+23, CMA23, AM21, BLB+24a, BPN+20, NMGFOB21, Pre22, RPG20, RMK21, WSN+21, YB22]. **Competitive** [GSRB22, MYH+20]. **complex** [AGS+21, AGS+22, AIA+23, BP21, BNN20, BLSR+20, CGVC21, EHS+20, KCS22, Kle23, NK23, RBMRR20, SGPSzC22, SLLW21, SBR20, TK20b, XHS+24]. **complexity** [BA20, ESZ+23, GPN+23, SBS+21, SC24a, VRS20, WLWL23, WTT+21]. **complexity-stability** [WLWL23]. **components** [SGA22]. **Composing** [Kle23]. **composition** [HES+20, HES+23, HLH+21, SHT21, WLT+23]. **compost** [SSJC23]. **compost-derived** [SSJC23]. **Comprehensive** [CLY+23, CMHZ23, KAB23a]. **Computation** [BSR+23]. **Computational** [Laz23, CMS+21, ESZ+23, MDP21, GCSlR22]. **Computer** [MTT22, CGVC21]. **computing** [DRZ+24, GSJC22]. **concentration**

[BH20, KDC+21]. **concentrations** [EOÖ21]. **concentric** [ZHC23]. **concept** [BWCD23, BRBT22, DP20, Gon23, SBM+22, ZHC23]. **Conceptual** [AAR23, AMK21, BA20, CSBS21, GSMD24]. **conceptualization** [PGP+22]. **Concerns** [RFHR23]. **concinna** [GSM+20]. **conclusions** [ML20]. **concolor** [CB20]. **concurrently** [WXH+22]. **condition** [CGB+23, LHJ+24]. **conditional** [RFPRC23]. **conditions** [AZMD+22, AS22, APGD+21, GGMR20, KCHZ21, LDXJ22, LUT+24, MLP+20, MPL+20, PYD+21a, PYD+21b, SE21, SE22, SBWB24, TGL+22, WSHZ24, WBD+22b]. **conductance** [Mas23]. **Conducting** [LGA20]. **Confidence** [SBFBDM24, BLSR+20, LK24b]. **configuration** [LZL23, MYACC22, OHH+21, dMT23]. **configurations** [CHR+23, MSLM+24, RWF22]. **conflict** [KT22]. **confluence** [CFL+22, DZC+23a, DZC+23b]. **congeners** [Kos22]. **conifer** [CLW+24]. **connections** [Jor22]. **Connectivity** [DLT+22, AGP20, JHKT+23, LTR+24, MP23, MS23, RMV+24, SZPW23, SWW+23, SKH+20, TA20]. **Consequences** [AVRC+20, JvVvHH24, Pre22]. **conservation** [AADHA+23, BMS+20, BWCD23, CXZ+23, CAH22, DSC+21, DWG22, AAAR23, GHbS21, HMGK20, HPMB20, LRA+20, MS23, MGdM+20, RBLS23, RSC+23, RBEC21, RAC+24, SACE+20, TCS21, VBH20, WGMR23, WWCT24, ZYK22]. **Conserving** [XCH+21]. **consider** [MPL+20]. **considerations** [DMPLHGL20, WST+23]. **Considering** [OTR+21, BANG20, DYMD22, LZD+24, NKT+20, dAWG23]. **Consistence** [YZZF22]. **consistency** [SBFBDM24]. **consistent** [Gri20, LPHO+20]. **consolidated** [ST24]. **conspecific** [WZHP21]. **constrained** [CIL+20]. **constraints** [CDJ+22, MVAD20, YEL+21]. **Construction** [XHS+24, ZHJQ23, CCJK+20, SBMF23, WLZ+23a]. **consumer** [CKC20, CBSB23, WLWL23]. **consumer-resource** [CBSB23]. **consumption** [CZ21, EL22, HBC+22, HWS+23, YZZF22]. **contact** [TLL+23]. **Contagion** [LCM24]. **contamination** [LLW+21, MLP+20]. **contemporary** [PTD+23]. **content** [BPK+20, MGK+23, SPV+20]. **Context** [FEPR24, DGSM21, HHBF24, MLP+20, MPL+20, PGB+20, RPG20, VVH+20, VSK+20, YZZF22]. **context-dependent** [DGSM21]. **contexts** [KCS22, MVC+22]. **contiguity** [WST+23]. **continent** [WWF+23]. **continental** [RFCEL22]. **continuous** [MKB+24]. **continuum** [MT23, MF20]. **Contrasting** [JJN22, AADHA+23, EHS+20]. **contribute** [VPV21]. **contributing** [PYD+21a, PYD+21b]. **Contribution** [DHW+20, AGP20, FSZ+20, FZS+20, LHJ+24, MYH+20, SGA22, TLC+22, WLZ+23b]. **contributions** [vDC20]. **control** [BPW+21, BPB+20, BMRF21, BCMV20, CAB+21, Fer23, HZ22, HLB+20, JvVvHH24, KSJ22, LRA+20, MBR+23, MD23, RBMRR20, SE21, SRK+20, TCG+20, WLQ+23, XGT+24]. **control-based** [RBMRR20]. **controlling** [BLB+20]. **Controls** [MBS22, KDH+21, MBB20]. **conventional** [AAM+22, KBSS23, MAD+20, TSdOCV21]. **convergence** [LMNV20]. **Converging** [LBB20]. **conversion** [dMFOM+20]. **converting** [ZA20].

Convolutional [JVGC21, PSG+22]. **cool** [TDI+20]. **cool-temperate** [TDI+20]. **cooperation** [Gat21]. **cooperative** [GAC+21, RBGB23]. **coops** [FC21]. **coordinated** [LYM+23]. **coordination** [YD20, YJC+24, ZSS21]. **copepod** [CSB22, KD20]. **Copepoda** [TBP+23]. **copper** [GRAA22]. **copper-induced** [GRAA22]. **coral** [CN20, GGMR20]. **cordatus** [APGD+21]. **Cordyceps** [CNSK21]. **core** [ALS+21, TLH+20]. **Coro** [CYP+20]. **Coronavirus** [Gat20, CYP+20, Cor20]. **Correcting** [BSCH23, RGD+22]. **corrections** [HGBK23]. **correlated** [AP22, PDD+22]. **correlation** [WZHP21]. **correlative** [HFSL+24, SACEU+21, TSdOCV21]. **corridors** [LHH+24]. **Corrigendum** [AJG22b, AGS+22, BdBG+21b, BS20, CVTS20a, DZC+23a, HES+23, IBB+22, KHH+24, LhNA+22, PYD+21a, SE20a, SGTS23, WHE+24a]. **corroborate** [FFM+23]. **coryi** [CB20]. **cost** [CZ21, HCPG20, Lef23]. **cost-effectiveness** [HCPG20]. **Costa** [AHO+20]. **Costing** [HPMB20]. **costs** [MJ24, NND+22, RRP+23]. **cotton** [GAMN+23, WXH+22]. **cotton-wheat** [GAMN+23]. **count** [RCSS20]. **countries** [LMW+23a]. **counts** [AP22, WWP20]. **County** [KT22, LYL+24]. **Coupled** [GGE+23, MTW+22, WXT+20, CXZ+23, DVVH21, FMH+20, KCS22, Mas23, MTT22, PG23, SINS22, WG21, WSW23, ZLL+23]. **Coupling** [YHC+21, BLA+24, WLLW20, YXY+20, YJC+24, ZSS21, ZHWZ23]. **course** [LM23]. **CoV** [CYP+20, Cor20]. **cover** [COS23, CPTD22, DCT+21, DMdR24, HAZEF23, LSS+21, MKB+24, SCH+21, WWC+22, YCK20]. **coverage** [SGCFB22]. **cowberry** [ML20]. **Coyote** [MMMS23]. **Cr** [MTT22]. **crab** [CMFC23, OCT+23, YFW+21]. **crane** [NBMD21]. **crassipes** [XGT+24]. **created** [SBS+21]. **Creating** [HHFB23, EON23]. **Creek** [KFJS20]. **Crimea** [Vas23]. **Criteria** [USA21, KFM+23, MAN+20, MSS24]. **Critical** [TA20, ABM20, WCG+24]. **critically** [HMGK20]. **croaker** [RJY+20]. **Crop** [ECC+22, CSCT23, CJM+23, CGVC21, DCT+21, HKH+23, HBC+22, JPL21, LBT+22, LDX+23, LYM+23, MVC+22, OHH+21, RGB+23, SJA+22, TGB+23, WYJ+22]. **crop-weed** [CGVC21, MVC+22]. **cropland** [HCX+21, ZYK22]. **croplands** [RMO22]. **cropping** [DDH+22]. **crops** [CMSD+22, CAFT22, DGVVP23, NAM22, dAWG23]. **CROPSIM** [PTF23]. **CROPSIM-CERES** [PTF23]. **cross** [JHL23, MBG+22, RAC+24, WHdBB21]. **cross-border** [JHL23]. **cross-scale** [MBG+22]. **cross-sectional** [RAC+24]. **cross-validation** [WHdBB21]. **crossroad** [BAR20]. **crown** [MAB23, dAPdBMT23]. **crown-of-thorns** [MAB23]. **Crustaceae** [BAAN24]. **cruzi** [EBMK20]. **cryptic** [BVR+20]. **Cryptolestes** [AJJ24]. **Cryptomeria** [HKSM23]. **CSCER** [PTF23]. **Cu** [MTT22]. **cucumber** [TCG+20]. **cue** [TPD+24]. **cue-based** [TPD+24]. **culling** [CAB+21]. **culls** [Dav22]. **cultivation** [KBSS23, SSB22, Vas23]. **culture** [DMPLHGL20, FDSM20, SZL+20]. **cultures** [PGB+20]. **Cumulative** [TBP+23, LPL22b]. **curated** [SCACB23]. **currency** [CDB+20]. **Current** [CFG+22, JZS+21, LHDBN20]. **currents** [PTD+23]. **Curricular** [Por21]. **curse** [CBSB23]. **Curtis** [RP22]. **curve** [LMNV20, RGB22]. **curves**

[BBSHC22, LGA+21, SDP21]. **cutaneous** [ZMG+21]. **cutting** [CSM23]. **Cuyo** [AZMD+22]. **cyanobacteria** [GSRB22, LCLG20]. **Cyanobacterial** [LWZL23, JvVvHH24, ELS23]. **cyanoFilter** [OSH+21]. **cycle** [AZAD+23, BPL+20, BP21, EL22, HKG+24, KBSS23, LUT+24, NGA+20, SLYL+20, SGPSzC22, SGA22, SINS22, WZZF23]. **cycle-based** [EL22]. **cycles** [JMC+22, Koo24a, MD23]. **cycling** [BKTM20, DMdR24, FWK+20, KMAA23, SLB20b, SMP20]. **cytometry** [OSH+21].

D [Des21, CGVC21, PMP+21, PM22, VRRI+24, WSW23]. **D.** [HKSM23]. **DAESim** [TBCV22]. **daily** [WHL+23]. **dam** [SAdA+22, WLZ+23a]. **damages** [SAdA+22]. **damaskrose** [NGA+24]. **damselfish** [GGMR20]. **Daphnia** [PDH+22]. **Data** [AVRC+20, BTC+22, AHH22, AADHA+23, AMK21, AMP+23, ATP20, AG22, ALK20, BSS+24, BS20, BBSHC22, BVR+20, CJM+23, EMH+22, GCSlR22, GCS+21, GML+20, ILLM20, IBB+21, IBB+22, Jag20, JVGC21, JMM+20, KAMS22, KRM+22, KKF+23, KD20, KUK+21, LDC+20, LJP+22, ŁKPK22, NGE+21, NT23, OSH+21, OW20, PK23, PSM22, PRdN+20, PPH+21, PM22, RMA+24, RGB22, RBVL+20, SSM24, SNP+23, TSdOCV21, VMH+21, ZWL+21]. **data-based** [AADHA+23]. **Data-driven** [BTC+22, CJM+23]. **data-poor** [AMP+23]. **data-sparse** [AMK21]. **Database** [TK20a]. **dataset** [LJRM+20, ŁKPK22]. **date** [DIS23, JPL21, TBZ+22]. **DayCent** [DDH+22]. **Dealing** [BVR+20, MVAD20]. **death** [NTHC23]. **DEB** [AVRC+20, GSM+20, JGG23, KK20, MPL+20, SLYL+20]. **DEB-structured** [KK20]. **DEB-tox** [AVRC+20]. **DEBtox** [Jag20]. **Decadal** [HSL+22, IBB+21, IBB+22]. **decay** [AB21]. **December** [Ano20c, Ano20o, Ano21c, Ano21o, Ano22c, Ano23c]. **deciduous** [SPPC21]. **Decision** [LZW20, NGE+21, USA21, BVR+20, CMSD+22, For24, GZK+20, JST+22, MTW+22, MSS24, PGP+22, PBS21]. **decision-making** [BVR+20, GZK+20, JST+22, MTW+22, PBS21]. **Decision-Support** [LZW20, PGP+22]. **decisional** [Pie23]. **decisions** [CDNN+20, LE23, WDW+22]. **decline** [LG20, RM20]. **Decne** [PCN+23]. **Decoding** [HNC+21]. **decomposer** [KKP+21]. **decomposition** [CCH20, KAB+23b, TGB+23]. **Deconstructing** [WGK+21]. **decrease** [dSBDH23]. **deep** [CCH20, EOÖ21, Lia23, WCSX22, WrJP+22]. **Deer** [HCW+22, BLB+24a, BGK+20, KS22, TBM+24, VRW+21]. **Defaunation** [MMdP+21]. **defence** [RTH+21]. **defence-reproduction** [RTH+21]. **deficient** [CAFT22, YXH20]. **define** [MLV24]. **defines** [ZGG22]. **Defining** [NBU+23, RFHR24]. **Deforestation** [dSBDH23, ZZW+22]. **Deforestation-induced** [dSBDH23]. **degradation** [AMK21]. **degraded** [BWCD23, ESCA22]. **degree** [ZSS21]. **Delay** [RCSS20, AWW24]. **delayed** [WWA+22]. **Delimitation** [ZYK22]. **Delineation** [SD24]. **Delta** [CL21, SWP+23, GMS+23]. **deltaic** [BMAME+23]. **demand** [KMP+23, MRR+20, MGdM+20]. **demanding** [TSdOCV21]. **demersal**

[BAAN24, DTD+23, RSC+21]. **Demographic** [BAZ22, PTBFP+20, ABC+22, CP20, PSM22, ZOJ+23]. **demography** [JMC+22, LVM+22, PMB+22, STW+23]. **demonstrates** [JHKT+23]. **dengue** [ABZ22, ZXK+24]. **denning** [CLW23]. **Dense** [HHI+22]. **Density** [HI22, CKC20, PSBE23, RFPRC23, VRW+21, WRC21, dVDC20]. **density-dependent** [PSBE23, dVDC20]. **dependence** [WRC21]. **dependency** [FEPR24]. **dependent** [BHC22, CMFC23, CTL22, DGSM21, HML+22, KRMP23, MGWG22, NGE+21, PSBE23, PGdAM+20, RWF22, YB22, ZSS20, dVDC20]. **depletion** [BRAL23]. **deposition** [BPL+20, RLdM20]. **depredation** [CDT+23]. **depredation-impacted** [CDT+23]. **depth** [CGRR+24]. **depth-resolved** [CGRR+24]. **derived** [OW20, SSJC23]. **describe** [HFP20, RCSS20, RRSG21]. **Describing** [BPN+20, BWS+20, CNNS+21, PCN+23, PAB+22]. **Description** [RRSG21, TGB+23, FSZ+20]. **descriptive** [BSPT23a, BSPT23b]. **desert** [CWY+24, CJM+23, KWC24, LAK+23, ZMS20]. **desert-oasis** [CJM+23]. **desertification** [FMRMAS24]. **deserts** [BP21, WXX+23]. **design** [BBCD23, CWH+21, MAD+20, NPS+23, Tur20, WST+23, ZJEG24]. **Designing** [SJA+22]. **designs** [RAC+24]. **details** [WTT+21]. **detect** [LM23]. **detecting** [KKW+21]. **detection** [APF21, DMM+23, JJN22]. **detections** [NND+22]. **determinants** [DDG+21, LPD+20]. **determination** [MGWG22]. **determine** [CSZY+20, CDT+23]. **determined** [HKH+20]. **determines** [SBMF23]. **Determining** [ALS+21, RPT21, USA21, SSM24]. **deterministic** [LK24b]. **detritus** [AWW24]. **detritus-nutrient** [AWW24]. **Detroit** [KWM+24]. **Developing** [PFK+22, SDP21]. **Development** [AIA+23, DDG+21, ESZ+23, HL23, MFF+24, NO23, NT23, SSB22, ZZZD22, BSPT23a, nCLpW+23, CPAT20, CMS+21, DLZ+20, FEPR24, GCMU23, HEL+21, HCL+22, HSD+21, Jia21, JASW23, LPS+21, ŁJ21, LYM+23, RPB+23, SGPSzC22, SBWB24, TK20b, WRC21, ZSS21]. **devices** [NPK+23, PDD+22]. **Dez** [ZMK+22]. **DGVM** [VK24]. **diadromous** [BOLC+22]. **diagnostic** [KMH+21]. **diagrams** [AIA+23]. **Dianchi** [WCG+24]. **diapause** [BVM+21, PGdAM+20]. **DiaThor** [GSJC22]. **diatom** [GSJC22]. **diatoms** [LCLG20, SBMF23]. **Dicentrarchus** [WBW+20]. **diel** [CSB22]. **Diels** [ZWL+21]. **diet** [LPA+21, PTG+20]. **Dietary** [MLP+20, MPL+20]. **differences** [AJJ24, CKK+24a, GSM+20, KWM+24]. **different** [ATP20, AJJ24, CHR+23, DIS23, GVG+23, Hop23, JL23, LYC+21, MSLM+24, Sak23, TLC+22, TGL+22, WSHZ24, WTT+21, ZBH+22, ZLZ+24]. **differential** [COPM23, VMM+21, Wu24]. **Differentiating** [BG22]. **differentiation** [GSRB22, HLZ+22, ZSS21]. **differentiations** [LLZM20]. **differently** [RLdM20]. **diffusion** [CAH22, FMRMAS24]. **Diffusivity** [AJJ24]. **digestion** [AWW24]. **DigiBog_Boreal** [RPB+23]. **digital** [KKW+21, SG20]. **dilated** [PSG+22]. **Dilution** [Oku21, CLHZ22]. **dimensional** [ABB23, Ano20-50, DBK20, LWE+22, NBML21, TWL+22, YLS+21].

dimensions [KCS22, SZPW23]. **dimictic** [EL21]. **DINAMICA** [HPMB20]. **Dingxi** [LYL+24]. **dinoflagellate** [GSJ+22]. **Dinosaurs** [PR21]. **dioecious** [LBT+22]. **dioecy** [MT23]. **dioxide** [BH20, BLB+20]. **diphtheria** [LPSF24]. **direct** [BGA22, MTS+20, TBM+24, ZOJ+23]. **directional** [STQ+22]. **discharge** [Che21, YG21]. **disciplines** [BVR+20]. **Discrepancies** [MYACC22]. **discrete** [mSzZK+21, SE22]. **discrete-time** [SE22]. **discrimination** [SBFBDM24]. **discus** [DLZ+21]. **Disease** [HCW+22, BAPW20, BJKT21, BGK+20, CBSB23, CLPZ20, CLHZ22, EBMK20, GSC+23, KS22, NWJ+22, PSG+22, TBM+24, WHE+24a, WHE+24b, WrJP+22]. **disease-induced** [CBSB23]. **diseases** [GRGHM21, VSB22]. **Disentangling** [DAB+20, QZSV21, WTT+21]. **disgust** [PF23]. **Dispersal** [CGB+23, LHH+24, AE22, AM21, BOLC+22, BSR21, CGV22, JPMA+23, LK20, LHDBN20, LBB20, LSL20, VMM+21, WSW23, dAdSCA20]. **disperser** [DAG+21]. **dispersion** [IA23, MYH+20]. **displacement** [CMA23]. **disprove** [LGK+23]. **dissimilarity** [RP22]. **dissolved** [CFL+22, FTH24, NKT+20, YFW+21]. **distance** [MVAD20, PPH+21, RP22, RBEH21]. **distance-independent** [PPH+21]. **distinct** [CTL22]. **distinguishes** [KWM+24]. **distort** [LKPK22]. **Distributed** [RCSS20, NA22]. **distribution** [AHH22, AMP+23, AFdSM23, ALJ+22, BOLC+22, BM22b, BM22a, BSCH23, BS20, BWSS21, BMS+20, BG22, CSBS21, CLPZ20, CNSK21, CKC+24, EWE20, FS22, GMM+24, GWH20, HLZ+22, HFSL+24, Jia21, MGK+23, MLJ+23, MMRBLN20, MVAD20, Men22, MBD+22, OW20, RBLS23, RSWS23, RJY+20, dSRDC+23, RPT21, SLB+20a, SVK20, SKW23, SBFBDM24, SC23, STRC24, TK20a, VRRI+24, VMH+21, VRS20, WSM24, WWP20, WSL+22, YLS+21, YCI20, ZZZD22, MLJ+23]. **distributional** [BLA+24]. **distributions** [HMDO20, JMM+20, LK24b, OMP+23, PEFW20, SRTS20]. **District** [MDP21]. **disturbance** [FdKO21, LVM+22, LHL22, NL20, PZH+21]. **disturbances** [YDQ+23]. **Disturbed** [HHI+22, KLNMG22, MHP+23, MCB+23, WLWL23]. **diversicolor** [GLA+20]. **diversion** [BLB+24a]. **diversity** [CLPZ20, Che22, HLW+20, KAB+23b, LPA+21, PNGESS21, PSZ20, RFF+23, SOP22, SG20, WZHP21, YXH20, ZL24]. **DNDC** [GAMN+23, SMM+22]. **Do** [WTT+21, BAM23, CSCT23, RLdM20]. **doab** [AIA+23]. **DODM** [STRC24]. **Does** [JJN22, CKC20, GZ23, KLNMG22, Pér24, PAS+22, PNGESS21, SKH+20, VSB22, XGT+24]. **doing** [ASKR24]. **dolomieu** [LBI+20]. **dolphin** [RBLS23]. **domainal** [Ano20-50]. **domestic** [GM23]. **dominance** [SIOM24]. **dominant** [AMP+23, LHH+24]. **Don** [HKSM23]. **Dorosoma** [PSBE23]. **dorsalis** [TBP+23]. **dose** [YXH20, ZL24]. **doses** [MJdORPG23]. **Douglas** [BLB+20]. **Douglas-fir** [BLB+20]. **down** [EOÖ21]. **downscaled** [NLMM23]. **Dr.** [Des21]. **drained** [RGD20]. **drift** [LEC+23]. **drinking** [ELS23, ZZZD22]. **drip** [GLK+22, GZD+23].

drip-irrigated [GLK+22]. **drive** [FLG+23, GZ23]. **driven** [ABR24, ABC+22, BTC+22, CMFC23, CJM+23, nCLpW+23, CGV22, ILLM20, JLLS23, KiAM+20, Koo24a, LG20, NHGP23, PSM22, SJH+23, SBR20, TK20b, WSW23]. **driver** [BA20, HLW+20, MB22]. **driver-response** [BA20]. **drivers** [CFG+22, DAB+20, HBP+21, MAGR+22, MD23, WF24]. **drives** [ZFC+23]. **Droop** [WGAH22]. **Drosophila** [RRSG21]. **drought** [LPS+21, SD24, ZZLF24]. **drought-induced** [LPS+21]. **droughts** [HHBF24]. **dry** [DYMD22, DZC+23a, DZC+23b, YLLL23]. **Dryland** [CGV22]. **dryness** [JPL21]. **DSSAT** [PTF23]. **dual** [SZPW23]. **due** [AVP+23, LDS+23, MKR20, MYH+20, ZOJ+23]. **DUET** [MLJ+23]. **dugon** [Lef23]. **Dugong** [Lef23]. **dugongs** [Lef23]. **duration** [LGA+21]. **during** [CRZ+23, CZ21, DZC+23a, DZC+23b, KFM+23, OHH+21, STQ+22, Tsy22, dKS22]. **Dutch** [BAPW20]. **Dwarakeswer** [SD24]. **dwelling** [PSM+21]. **DynaGraM** [MPCG21]. **Dynamic** [BM21, DMPLHGL20, FCP+20, GLA+20, HMGK20, LFN+20, PSM+21, SC23, VLGG+20, WWC+22, ZLLZ24, ZLZ+24, vdMvDSL20, ABKA24, AADHA+23, BAAN24, CMGD+22, CDB+20, dSCdA21, DS23, DLZ+21, ERP21, FdKO21, FSY22, GMM20, JB22, JM22, KWC24, KD20, Koo20b, LYC+21, LAK20, LHL22, Mat23, RPG20, RJY+20, RRCZ20, SVK20, STRC24, SRB+20, SMS+24, TBCV22, TSBE23, Tur20, VJK+23, WCSX22, XWX+24, YRK+20, DPC20]. **dynamical** [LPSF24]. **Dynamically** [SCG+23, JPL21]. **Dynamics** [DBDR22, GWD+23, MBR+23, PG23, ADR21, AM22, AG22, APF21, APGD+21, BS21, BOLC+22, BGS+20, BGR20, BGA+23, BLP20, CR24, CLH23, CGV22, DKM+21, DAQ20, DMGP20, DRZ+24, DS24, EL21, EL22, FCFCM24, FDSM20, FSZ+20, FZS+20, GSR+23, GAC+21, GRAA22, GSJ+20, HZ22, HSJ+20, HSP+22, Hop23, JLV+21, JLLS23, KDH+21, KCP+23, KSJ22, LE23, LRA+20, LSL21, LQH24, LZW20, LSS+21, LGL+24, LCMB21, MLL20, MLMI23, MPSS24, MDB+20, MSLMM22, MF20, MB22, MMC+21, MPCG21, MKB+24, NO23, NO24, NS20, NGE+21, NLMM23, NK23, Oku21, OCT+23, PDH+22, PBH22, PSG21, PPH+21, PKO+21, PZH+21, PMP+21, PCK+22, RCCLMGV22, RFJ+22, RKN+21, RWS+21, SCB+20, SQDM21, SM22a, SMD+20, SE21, SE22, SLB+23, SJH+23, SLC+20, SBR20, TPD+24, TK20b, Uch23, VSB22, WGAH22, Wu24, XYZR21, XFK21, ZMS20]. **dynamics** [ZLLZ24, ZYM+21, GCSlR22].

E-PSR [RS23]. **E2E** [SHF24]. **each** [MJS24]. **eagle** [RM20]. **early** [LAK+23, MFF+24, WSFZ21]. **earth** [Kle23]. **earthquake** [BWS+20]. **earthworm** [RPG20]. **East** [BWS+20, COS23, MTW+22]. **eastern** [BWS+20, LAK+23, LLC+24, YJC+24, GGMR20, MDB+20, OCT+23, SCG+23]. **easy** [CXZ+23]. **easy-to-apply** [CXZ+23]. **EasyCA** [AXMJ22]. **Echinococcus** [MMMS23]. **eco** [Abe20, CN20, DPC20, GSC+23, LLC+24, LQH24, LW23, MF20, NWO21, NO23]. **eco-efficiency** [LW23]. **eco-epidemiological** [GSC+23]. **eco-evolutionary** [Abe20, CN20, LQH24, MF20]. **eco-hydrology** [NWO21, NO23].

eco-physiological [DPC20, LLC+24]. **ecode** [Wu24]. **Ecodynamics** [Ano20-49]. **ecogeomorphic** [PR22]. **Ecohydraulic** [Yao21]. **ecohydrodynamic** [DVVH21]. **ecohydrologic** [BKTM20]. **ecohydrological** [HKY24, MLMI23]. **Ecol** [BS20]. **Ecological** [AGS+22, ARSC22, BdBG+21b, BMS+20, CVTS20a, DS21, HES+23, KHH+24, LC20, LBI+20, LZD+24, LSG21, LLW+21, MMRBLN20, MP23, MGC24, Pie23, SE20a, SGTS23, TWL+22, TLH+20, VBH20, WHE+24a, WCF+22, XWX+24, ZYZ22, ZZQ23, AS22, Ano20-50, AFG24, BANG20, BRC+21, BAM23, BG22, CB20, CLY+23, CNSK21, CIL+20, CYP+20, Cor20, DYMD22, DK22, DWG22, EGAS23, ESZ+23, For24, GGE+23, Gon23, GPN+23, GCMU23, GZK+20, HNC+21, KMAA23, KNP+21, KAT+22, KBSS23, LLZM20, LCM24, ŁKPK22, LPD+20, LYL+24, MFPIBGES23, MS20, MZLRSZ21, NGA+24, NBU+23, NL20, OBFH22, PBH22, PHL20, PGB+20, PAB+22, PPSS22, PTNR+20, RS23, RBMRR20, RFHR23, RFHR24, RBEC21, SZPW23, SACEU+21, SCACB23, SML+20, VRS20, VSK+20, WG21, WXX+23, WLQ+23, WZLC24, XHS+24, ZMK+22, ZHJQ23, ZFP21, ZHC23, ZGMFESD23, dFT+20, Pas21]. **ecological-economic** [DWG22]. **ecological-risk** [GZK+20]. **Ecologically** [Por21, CWF+21, CKC+24, GCSlR22, MFF+24, WCF+22]. **Ecologically-Based** [Por21]. **ecologists** [WG21]. **Ecology** [Mea20, Por21, BWSS21, CBW22, Fou21, PSW22, RFHR24, UGSG24, XJW21, dMT23]. **econ** [CXZ+23]. **econometric** [BVR+20]. **Economic** [DMPLHGL20, CZ21, DWG22, JLLS23, LZL22, NAM22, WZLC24, ZSS21]. **economics** [LM21, SM20]. **economies** [WF24, YD20]. **economy** [Ano20-49, FMSR20, GCMU23, SAL+22, SMP20, ZA20]. **Ecopath** [BWS+20, PTG+20]. **Ecophysics** [GRS+20, Pas21]. **ecophysiological** [CAK+23, CAK+24, TSdOCV21]. **ecoregion** [LhNA+21, LhNA+22]. **ecoregions** [HH23]. **Ecosim** [BWS+20, WA20]. **Ecosystem** [BM21, FWK+20, GSA24, LB21, PKB+23, RSB+23, YZF20, ZZŠ+22, ASHK22, ABM20, BMBB24, BNN20, BNAR+21, BRBT22, BLSR+20, BDA+20, BGC+24, CBG+22, CL21, CLY+23, CWW+23, CXZ+23, CVTS20a, CVTS20b, CPAT20, DS24, EON23, FMH+20, FDSM20, GDF22, GSJ+20, GZW+20, HKB+20, HES+20, HES+23, JHL23, KPLH24, LUV+23, LL21, LZL23, LCW+21, LPD+20, LGA20, MPC+22, MEGA21, MFH+22, MTZA23, MBS22, OHR+23, PBF+23, PGP+22, PRdN+20, PDGB21, PZH+21, PCK+22, RUTY23, RLS+24, SBS+20, SBS+21, SBM+22, SMD+20, SHF24, SINS22, SZL+20, TBCV22, WHL+23, WYBX23, WFW+24, XCH+21, XCZ+20, YPS+21, ZYZ22, ZCJ+20, ZYK22, ZHC23, ERP21]. **ecosystem-atmosphere** [BGC+24]. **Ecosystem-based** [GSA24]. **Ecosystem-scale** [FWK+20]. **ecosystem-wide** [HKB+20]. **Ecosystems** [BAR20, AM22, AAC20, BA20, BLL+23, BP21, BARF20, CP22, CTL22, DK22, DRZ+24, FSZ+20, FZS+20, GPN+23, GZK+20, HLW+20, HLZ+22, LSA+21, LWL24, MBG+22, OTR+21, OKS+21, WHW+23, RFHR23, RGRMRR20, WZHP21, WWCT24, ZFT20, ZFC+23]. **ecotone** [TBZ+22].

ecotoxicity [Jag20]. **ecotoxicology** [PFK+22]. **ectotherms** [RRSG21]. **edge** [LCW+21, YJC+24]. **edible** [GMM20]. **editorial** [LSG21, Ano20y, Ano20z, Ano20-27, Ano20-28, Ano20-29, Ano20-30, Ano20-31, Ano20-32, Ano20-33, Ano20-34, Ano20-35, Ano20-36, Ano20-37, Ano20-38, Ano20-39, Ano20-40, Ano20-41, Ano20-42, Ano20-43, Ano20-44, Ano20-45, Ano20-46, Ano20-47, Ano20-48, Ano21y, Ano21z, Ano21-27, Ano21-28, Ano21-29, Ano21-30, Ano21-31, Ano21-32, Ano21-33, Ano21-34, Ano21-35, Ano21-36, Ano21-37, Ano21-38, Ano21-39, Ano21-40, Ano21-41, Ano21-42, Ano21-43, Ano21-44, Ano21-45, Ano21-46, Ano21-47, Ano21-48, Ano22d, Ano22e, Ano22f, Ano22g, Ano22h, Ano22i, Ano22j, Ano22k, Ano22l, Ano22m, Ano22n, Ano22o, Ano23d, Ano23e, Ano23f, Ano23g, Ano23h, Ano23i, Ano23j, Ano23k, Ano23l, Ano23m, Ano23n, Ano23o, Ano24b, Ano24c, Ano24d, Ano24e, Ano24f, Ano24g]. **Edmonton** [NBML21]. **eel** [BdBG+21a, BdBG+21b]. **eelgrass** [KNP+21]. **Effect** [AFdSM23, JMC+22, JRD+22, KFM+23, LDX+23, RGRMRR20, ZBW+24, ABH+20, BLB+24a, BLLL21, CHR+23, CLHZ22, CMS+21, EWE20, KS22, KUK+21, KBAC20, LL21, LP22, MSG21a, MDT+23, MKR20, NDNN22, OMP+23, PDH+22, PZH+21, RCCLMGV22, RMA+24, XLM+23, dAdSCA20, RLM23]. **effective** [BCMV20, PMZ+21, SSM24]. **effectiveness** [BJKT21, HCPG20, XWX+24]. **Effects** [CWH+21, FdKO21, KKH+24, LHDBN20, LCMB21, MMC+21, MJS24, NBMD21, VRS20, YSFX23, ADR21, BKTM20, BH21, BSCH23, Che21, CGV22, dSCdA21, CP20, CSB22, DMM+23, DWH+21, EVT+21, HCL+22, Hop23, Ino22, KMAA23, KAB+23b, KLPJ24, KPLH24, LK20, LBGD21, LYZ+24, MMdP+21, MPSS24, MEPJ21, NK23, Oku21, PTBFP+20, RWF22, RSC+23, SDD+20, SHF24, SWL+23, SBWB24, SML+20, TLL+23, VVH+20, VSK+20, VBH20, WLZ+23a, YPS+21, ZFC+23]. **efficiencies** [PGP+22]. **efficiency** [BAM23, HLW+20, LPL22a, LNK+21, LW23, WWCT24, Yu20]. **efficient** [RBLS23]. **egg** [BGR20, LEC+23]. **eggs** [DLY+22, LWE+22]. **EGO** [HPMB20]. **ELA** [DMdR24]. **elasticity** [TK20a]. **electricity** [LGA+21]. **electrofishing** [RGD+22]. **elements** [MFZ23, PAPŁ+23]. **elephant** [HBC+22, MDP21, NMC+20]. **elephants** [DDG+21]. **elevated** [ZFT20]. **elevation** [LhNA+21, LhNA+22, PR22]. **Elliptical** [MLJ+23]. **Ellis** [MTL+23]. **elm** [BAPW20]. **Elucidating** [SIOM24]. **Embedding** [MS20]. **embodied** [XLM+23, ZLML20]. **Embracing** [FCP+20]. **emergence** [BR22, LDS+23]. **emergent** [DAB+20, LYC+21]. **emerges** [WLWL23]. **emerging** [VSB22]. **Emergy** [CAS+24, DYW+22, ESCA22, EGAS23, LB21, AAM+22, AAC20, CMHZ23, ENARM+23, LL21, LDZ21, LZL22, LYL+24, SAdA+22, TLC+22, ZMK+22]. **Emergy-based** [ESCA22]. **emigration** [WGK+21]. **Emilia** [MEGA21]. **emission** [IA23, KMH+21, WF24, XLM+23, ZMF+20]. **emissions** [BGA22, BWT+24, CMHZ23, DGVVP23, GAMN+23, HWS+23, MTS+20, PG23, SMM+22, TQM+24, YLLL23, ZPZ+22, ZBH+22]. **Empirical** [BdSG+23, BM21, dMFOM+20, JM22, KWP+23, LMNV20, MAN+20,

RBGB23, RBEH21, Ste20, WGAH22]. **Employing** [ATP20]. **empowerment** [NBMD21]. **enables** [VK24]. **encounters** [dKS22]. **encourages** [GLH24]. **end** [BNN20, CGRR+24, CFG+22]. **end-to-end** [BNN20, CGRR+24, CFG+22]. **endangered** [BLLL21, HMGK20, HBP+21, MCB+23]. **endemic** [HMGK20, WLZ+23a]. **enemies** [LRA+20]. **energetic** [KLA+20, Lef23, TMFV22, WLLW20]. **Energetics** [CDB+20, DGSM21, Koo20a, Koo24b, WWF+23, WWA+22]. **Energy** [DPC20, DS24, FCP+20, GLA+20, LFN+20, MTP+20, PDG+20, VLGG+20, ZLML20, BPK+20, BGC+24, CZ21, CDB+20, DLZ+20, DLZ+21, FMSR20, HMGK20, HWS+23, JMHH22, KD20, Koo20b, LAK20, LBS20, MKS21, MPMT23, Mat23, RPG20, RJY+20, RRCZ20, SLY+21, SML+20, VVH+20, YRK+20, vdMvDSL20]. **energy-based** [SLY+21]. **energy-budget** [JMHH22]. **Energy-Landscape** [MTP+20]. **Energy-systems** [DS24]. **engineers** [BMBB24, SBS+20, SBS+21]. **English** [DHW+20]. **enhance** [ATP20, FCP+20, Oku21]. **enhanced** [ESZ+23, HAZEF23, SJH+23]. **enhancement** [YRK+20]. **enhancements** [CSCT23]. **enough** [LJRM+20]. **enrichment** [OHR+23, SM22a]. **ensemble** [CWW+23, HBP+21, LLLZ21, ZFP21]. **ENSO** [GGMR20]. **entrainment** [HKH+20, LYZ+24]. **Entropy** [ZSS20, GCS+21, HMDO20, dRMJdS23, WT20, XJW21]. **envelopes** [MYACC22]. **environ** [LLW+21]. **environment** [BSE21, BWS+20, HSF+20, HLB+20, JASW23, KN20, KWG+22b, MCB+23, PAdS+24, PNGESS21, SBS+21, SBMF23, SMP20, SGRDA+24, ZSS21, ZL24]. **Environmental** [LMNV20, MBB20, OZSU22, Pas21, AZBdAI23, APGD+21, BLA+24, BGA+23, BSR21, BAM23, BARF20, BDA+20, CZ21, DMPLHGL20, FAC22, HL23, HWS+23, JRD+22, JASW23, KWC24, KCHZ21, LBGD21, LCP+20, LBI+20, MYACC22, MRR+20, MBFS21, MLP+20, NAM22, OMP+23, PG23, PDW23, PYD+21a, PYD+21b, PM22, SLYL+20, SM22a, Vas20, Vas23, WG21, WBD+22a, YEL+21, ZJEG24]. **environmentally** [ENARM+23]. **environments** [BVM+21, BR22, EHS+20, FSY22, Koo24b, MMRBLN20, SG20, YXH20]. **Enzo** [Ano20-49]. **ephemeral** [AGP20, BGR20, BSR21]. **Ephemeroptera** [KFJS20]. **EPIC** [WYJ+22]. **epidemics** [BCMV20]. **Epidemiological** [MD23, GSC+23, VSB22]. **epidemiology** [MMMS23]. **epigaeic** [ZBW+24]. **epipelagic** [CGRR+24]. **Epizootic** [MSLMM22, EBS23]. **equalization** [HCL+22]. **equation** [CMG20, COPM23, DAQ20, KAB23a, NBU+23, RFHR23, RFHR24, UGSG24, Wu24]. **equations** [AZAD+23, MAN+20, VMM+21]. **equitable** [DL21]. **equity** [ZOJ+23]. **equivalence** [HFP22]. **eradication** [HKB+20]. **erosion** [AJG22a, AJG22b, GGMR20, LSS+21, YG21, ZLZ+24]. **Error** [KWG+23, JTH24]. **errors** [OHH+21]. **eruptive** [Fer23]. **establishment** [AV22, JHKT+23, KKH+24, NND+22, SG20]. **esters** [WLQ+23]. **estimate** [ACFM22, GAMN+23, HLS+23, KAMS22, PSM22, RFdL+24, SLB+23, TTPA21]. **estimated** [LCMB21]. **estimates**

[ALK20, BHC22, CLW+24, DBV+22]. **Estimating** [BPK+20, GAM20, JS22, JMM+20, KD20, LB21, MLL20, SZL+21, WHE+24a, WHE+24b, ZPZ+22, GLK+22, LAK+23, LAK20, RMA+24, SWF21, SDP23, WYBX23]. **Estimation** [AJ22, CCH20, EJ20, GZD+23, HI22, HCX+21, KLS20, KWP+23, MTT22, RFPRC23, SWHZ22, XWZ+22, Yu20]. **estimations** [YSIB24]. **estimators** [LK24b]. **estuaries** [FTH24, MLP+20, SJH+23]. **estuarine** [AM22, CMFC23]. **estuary** [Che21, HMC20, KDH+21, MKEH20, MBB20, DZC+23a, DZC+23b]. **ESV** [ZZQ23]. **ESV-FLUS** [ZZQ23]. **Ethiopia** [TGRM23]. **eucalypt** [BdSG+23]. **Eucalyptus** [EHS+20]. **Euclidean** [RP22]. **europaea** [PAPŁ+23]. **Europe** [ASL+20, EVT+21, HKG+24, HK23, Pre22, SBR20]. **European** [CH22, DHW+20, LG20, MKR20, RBVL+20, SLB+20a, SKW23, WBW+20, WBD+22a]. **eutrophic** [BS21, ELS23, ZWZ+20]. **eutrophication** [BNAR+21, CDJ+22, DBK20, DK22, NBML21, SRK+20]. **eutrophication-based** [DK22]. **evaluate** [BGA+23, GLA+20, KDH+21, KLPJ24, MAD+20, MPA+24, TDI+20, WHdBB21]. **evaluates** [MGC24]. **Evaluating** [CAK+24, ERP21, GWH20, GSJ+20, HFSL+24, IBB+21, IBB+22, LDZ21, NGA+24, SZL+20, WLZ+23a, XCZ+20, DL21, DWH+21, MDB+20, MS23, NO23]. **Evaluation** [AAC20, CSZY+20, NWO21, WHW+23, STW+23, BSPT23b, BLL+23, CLY+23, Ino22, LPS+21, LZL22, MAN+20, MP23, PAB+22, SLY+21, SPPC21, SBFBDM24, SDP23, TK20b, YZF20, RPARM20]. **Evaluations** [LEC+23]. **evaporation** [HKY24]. **evapotranspiration** [WLZ+23b, ZFC+23]. **event** [GRGHM21]. **events** [FS22, RFCEL22, RFPRC23, SLC+23, SSB22, TTPA21]. **Everglades** [RGD20, ZRMW+20]. **evergreen** [CLW+24]. **Evidence** [LW23, PK23, SGH+23, COJ23, CDC+22, MMRBLN20, ZA20, BAM23]. **Evolution** [Gon23, LZSQ20, Gat21, JOE23, LPSF24, LM21, LYL+24, WXH+22, YDQ+23, YD20, GCMU23]. **Evolutionary** [GHK23, Abe20, AARS23, BDC+22, CP20, CN20, GRCSA+20, LQH24, LBS20, MF20, MOS21, MJdORPG23, PDW23]. **Exaiptasia** [KRMP23]. **examine** [BWT+24]. **Examining** [CLG20]. **example** [CDNN+20, LPSF24, WA20]. **exchange** [ASHK22, BLB+20, HLS+23, RSB+23]. **exchanges** [SMP20]. **exciting** [GSH+22]. **exclusion** [MYH+20]. **Exergy** [VPAV22, NGA+24]. **exhibit** [HSL+22, RBGB23]. **existence** [dAdSCA20]. **existing** [JS22, KD20, Kos22]. **expansion** [GCB+22, LK20, MKEH20]. **expectations** [BMS+20]. **expected** [PTD+23]. **experienced** [SBMF23]. **experiencing** [RCCLMGV22]. **experiment** [ABC+22, BLB+24a, PNGESS21]. **experimental** [MPL+20, NS20, DMdR24]. **experiments** [FZS+20, JLV+21, PSM+21, Tur20, VN23]. **expert** [WBD+22b]. **Explaining** [CKK+24a]. **explains** [SGV+24, XJW21]. **explanation** [MSG23]. **explicit** [AE22, BSU+23, CAB+21, DDG+21, GCB+22, GRCSA+20, KS22, KWG+23, LQH24, SLHB+23, SJA+22, SOV21, TPD+24, WBW+20, WBD+22a].

explicitly [SBS+21]. **Exploitation** [CDT+23, TCB21]. **exploited** [CMGD+22]. **exploration** [KAB+23b, YYS+22]. **Exploratory** [BTC+22]. **explore** [BGS+20, MSLMM22]. **Exploring** [BNN20, CKK+24b, AAAR23, KMH+21, LPL22a, LZL23, SBM+22, SHF24, WZLC24, dMT23, BRBT22, DMGP20, GRS+20, NGA+20]. **export** [NO24]. **exports** [YG21]. **exposed** [JST+22, WBD+22b]. **exposure** [DEMJ24, DWH+21, JSD+22, ZOJ+23]. **extended** [JSL+20, Laz23, NGA+24, WMA21]. **Extending** [SDSP+21, KMP+23]. **extension** [BP21]. **extensions** [MKS21]. **extensive** [BNN20]. **extensively** [HH23]. **extent** [AFdSM23, GHK23]. **extinction** [Dav22, TCB21, Uch23]. **extinctions** [GRCSA+20]. **extrapolation** [RRFLV+22]. **extreme** [Dav22, SLC+23, SCH+21, ZOJ+23].

facilitates [CKC20]. **Facilitation** [Pre22]. **facing** [BLB+24a]. **factor** [ST24]. **factored** [PSG21]. **Factors** [BLB+20, SOP22, BLA+24, CDN+23, CKK+24b, DPC20, HCL+22, LHJ+24, LW23, Vas20, YG21, YYS+22, ZSS21, ZYM+21]. **facts** [MZLRSZ21]. **facultative** [PGdAM+20]. **Fagus** [LhNA+21, LhNA+22, SKW23]. **fails** [AE22]. **failure** [SAdA+22]. **family** [SBFBDM24]. **Farm** [WrJP+22, TLC+22]. **farmer** [ASKR24, BAM23, LE23, MGdM+20]. **farming** [BGA+23, ENARM+23, HSP+22, MDB+20]. **farmland** [LE23, WWCT24, YLLL23]. **farms** [LBN+22, MM21]. **fast** [AKM22, LM21, LCM24, SdlP20]. **fastidiosa** [BCMV20, GSC+23]. **fate** [BSPT23a, BSPT23b, MLV24, SSJC23]. **fates** [WLQ+23]. **Fath** [Des21]. **fauna** [Yao21]. **favorable** [KDC+21]. **favourability** [MDT+23]. **favourability-based** [MDT+23]. **Feasibility** [AS22]. **feature** [LSG21]. **Features** [CLG20, SDD+20]. **February** [Ano20d, Ano20p, Ano21d, Ano21p, Ano22p, Ano23p, Ano24h]. **fed** [Che21]. **feed** [dMFOM+20, vOVvdW23]. **feedback** [BPN+20, CMKF22, MLMI23, RGRMRR20, TK20b, ZWZ+20]. **feedback-driven** [TK20b]. **feedbacks** [TK20b]. **feeding** [CMKF22, HSF+20, JMHH22, SPB+24]. **female** [WBD+22b]. **Fenghuangshan** [ZZZD22]. **Fenneropenaeus** [YRK+20]. **ferrugineus** [AJJ24]. **fertility** [CAB+21, VPAV22]. **Fertilization** [DGVVP23]. **fertilizer** [JLV+21, LYM+23]. **fever** [ABZ22, MSLMM22, MSLM+24, MD23]. **few** [AXMJ22]. **fidelity** [BR22]. **Field** [CFL+22, SOV21, BGA22, GZD+23, HGBK23, MGC24, NGE+21, PSM22, PDD+22, SGH+23]. **field-based** [PDD+22]. **fields** [BMAME+23, GSR+23]. **fieldwork** [DIS23]. **filamentous** [KBAC20]. **filter** [CWW+23]. **filtering** [EMH+22, VMH+21]. **Fine** [Fou21, JSD+22, KTB+23, YSIB24]. **fine-scale** [JSD+22]. **Fine-tuning** [Fou21]. **finer** [KKF+23]. **finless** [DZC+23a, DZC+23b, HSF+20]. **finmarchicus** [BVM+21]. **Finnish** [KRM+22]. **fir** [BLB+20, SKW23]. **fire** [ABRG21, BKTM20, ERP21, AAAR23, HH23, JLH+21, JB22, LMW+23b, MMdP+21, OHP+23, SLHB+23]. **fire-land** [JLH+21]. **fire-prone** [ABRG21].

fires [dRMJdS23, NA22]. **first** [BPN+20]. **Fish** [AWW24, BPK+20, BGCJ21, BSR21, CSBS21, CFG+22, DLY+22, FTH24, HML+22, JMHH22, KTB+23, LDC+20, LBN+22, LCP+20, LBI+20, LZD+24, LYZ+24, LGA+21, LUT+24, MFF+24, NT23, NPK+23, NPS+23, PBH22, RUTY23, RGB22, SLB+20a, SRTS20, VRRI+24, WLZ+23a, WLY+23, dKS22, PDD+22]. **Fisher** [RBMRR20]. **fisheries** [BWS+20, CDT+23, GSJ+20, Lov24, PHK23, WBW+20]. **fisheries-targeted** [GSJ+20]. **fishery** [AKM22, BNAR+21, CMGD+22, DMGP20, LGL+24, MZLRSZ21, RSC+23, SM22a]. **fishes** [HMDO20, LLB+23, SGLK20]. **fishing** [BAAN24, KiAM+20, KKH+24, RWF22]. **fit** [PAS+22]. **five** [IBB+21, IBB+22, ZMF+20]. **fixed** [GSRB22, HLS+23, JPL21, MLV24]. **fixing** [GSRB22]. **fjordic** [GMM+24]. **fjords** [AM22]. **flammulated** [CWH+21]. **flexibility** [AKY+22]. **flexible** [JMC+22]. **flight** [KWG+22a, SGV+24]. **flights** [STQ+22]. **floating** [HLS+23]. **floodplain** [LUT+24, TSUY23]. **Florida** [PTG+20, ZRMW+20, CB20, CRZ+23, SPB+24]. **flow** [ARSC22, HLM+20, JB22, LZD+24, NPK+23, OSH+21, SBWB24, WDW+22]. **flowering** [KKW+21]. **flows** [FMSR20, HKH+20, MFZ23, RLS+24, ZZWF21, ZLML20, dPGDdFS24]. **fluctuating** [BSE21]. **Fluctuation** [SGH+23]. **fluctuations** [FCFCM24, GZ23]. **Fluid** [GCSlR22]. **flume** [LEC+23]. **fluorescence** [SPPC21, YYS+22]. **FLUS** [ZZQ23]. **flux** [ASHK22, CSB22, SPPC21, ZWZ+20]. **fluxes** [ACFM22, BGC+24, CLW+24, HKSM23, SNP+23]. **fly** [DBN+22, YKZ+23]. **focal** [For20]. **focused** [Laz23]. **folivore** [STRC24]. **follow** [KK20]. **following** [LVM+22, cNKF24]. **Food** [GHbS21, SRK+20, BAAN24, BNN20, CGRR+24, DS24, HML+22, JL23, KRMP23, KMH+21, KKH+24, KDC+21, LPL22a, LLB+23, LPA+21, MAD+20, MJ24, MPPM23, MGdM+20, MEPJ21, MJS24, NHGP23, NK23, OKS+21, VVH+20, WLLW20, WA20, WSN+21, YZZF22, ZBW+24, vdHNH+20]. **footed** [JZJ+20]. **footprint** [EGAS23, LYL+24, RPARM20, SML+20, TWL+22, TBZ+22, ZMK+22]. **forage** [MPA+24, PAdS+24]. **foragers** [CNNS+21, GLH24]. **foraging** [BSR+23, CDNN+20, JOE23, KN20, RBEH21]. **forcing** [CBG+22]. **Forebay** [LYZ+24]. **forecast** [HEL+21, WCSX22]. **Forecasting** [BPW+21, HWS+23, KiAM+20, CZ21, AAAR23, HAZEF23, NLMM23, Pie23, ZFP21]. **forecasts** [NLMM23, WF24]. **foreign** [SML+20]. **Forest** [BAR20, ETAAH21, Mea20, MTZA23, RBEC21, ABH+20, AHO+20, BSS+24, BAPW20, BdSG+23, BLL+23, BGC+24, CM21, CWW+23, CLW+24, DBV+22, DS24, FFM+23, FEPR24, FG21, FSZ+20, FZS+20, FHP+22, GMS+23, GHK23, GSMD24, HKY24, IBB+21, IBB+22, JB22, KWP+23, LDR+20, LhNA+21, LhNA+22, ML20, MSLMM22, MSLM+24, MLV24, MKB+24, NA22, PPH+21, PZH+21, PNGESS21, PSW22, Pre22, PGSL+20, RFJ+22, RFF+23, SE20a, SE20b, SAL+22, SMD+20, SLLW21, SPPC21, SNP+23, TDI+20, VK24, WZHP21, WYBX23, WLT+23, YA24, ZCJ+20, ZLL+23, CKC+24, VSK+20]. **forested**

[BPL+20, HH23]. **Forests** [HHI+22, AMP+23, BSS+24, CAK+23, HHFB23, HHBF24, HLH+21, IBB+21, JHKT+23, LPS+21, LMW+23b, MLL20, MAGR+22, MHP+23, MSG+21b, MKB+24, PKO+21, dOPdMdS+21, RRP+23, RLdM20, RBVL+20, SLHB+23, SFGB23, SKW23, XJW21, YSIB24, ZRMW+20]. **form** [MAN+20]. **formation** [FMRMAS24, KFM+23, SLC+20, dKS22]. **former** [LGK+23]. **forming** [CR24]. **forms** [LZSQ20, WGAH22]. **formulation** [BRAL23, FSZ+20]. **Fort** [Pas21]. **fouling** [PF23]. **foundation** [KAT+22]. **four** [AAC20, MKR20, PDW23, SINS22]. **four-party** [PDW23]. **foxes** [TLL+23]. **fragmentation** [JRD+22, cNKF24]. **fragmented** [BWCD23, CJM+23, LSA+21, RMV+24]. **fragments** [LTR+24, MSLMM22]. **framework** [AMK21, AAR23, BSU+23, BGK+20, CMSD+22, CIL+20, CDC+22, DBDR22, DBH+22, JLH+21, JM22, KDH+21, LDC+20, LMNV20, LJRM+20, LLLZ21, MTW+22, MHP+23, PAS23, PDGB21, RAC+24, SGPSzC22, SGA22, TLC+22, TWL+22, TDI+20, ZLL+23]. **Framing** [SC24b]. **France** [BPL+20]. **franksi** [LVM+22]. **free** [DGSM21, Men22, TBM+24]. **free-ranging** [DGSM21, TBM+24]. **freezing** [LCW+21]. **freezing-thawing** [LCW+21]. **French** [RMV+24]. **frequency** [MMdP+21]. **frequently** [KLNMG22]. **fresh** [GGE+23]. **freshwater** [KWM+24, LDC+20, SC24a, SRTS20, TCS21, Tsy22]. **friendly** [ENARM+23]. **front** [ASL+20]. **frozen** [LMW+23b]. **frugiperda** [BSU+23, dAWG23]. **fruit** [DBN+22, LBT+22]. **fugacity** [WLQ+23]. **full** [SLYL+20]. **FullCAM** [FEPR24]. **Fully** [JVGC21, PPSS22]. **FunBies** [PBF+23]. **function** [DMG22, PSW22, SZPW23, YXY+20, YJC+24]. **functional** [BMBB24, BBSHC22, CLW+24, DLT+22, HES+20, HES+23, JHKT+23, KAB+23b, MAN+20, NHGP23, PBF+23, Pér24, PNGESS21, RP22, RFF+23, SOP22, SHT21, SQDM21, dAdSCA20]. **functioning** [MPC+22, MBG+22, RLS+24]. **functions** [ALK20, CNSK21, LAK20, PCN+23, VPV21]. **fundamental** [EL21, JS22]. **Fundão** [SAdA+22]. **fungal** [MGHT20]. **Fusarium** [GGS+22]. **fusion** [SWP+23]. **future** [BPW+21, CZ21, CLW23, CLG20, ELS23, FHP+22, FS22, GHK23, HSD+21, KNP+21, LhNA+21, LhNA+22, MBD+22, PR22, ZPZ+22, ZXK+24]. **futures** [KMH+21]. **Fuzzy** [DSHB23, ZWL+21].

Gadus [JOE23]. **Gaia** [Gat20]. **gain** [BPK+20]. **Galatheidae** [BAAN24]. **Game** [MB22, DS23, GHbS21, LBN+22, PDW23]. **games** [AARS23]. **Ganges** [RBLS23]. **Gansu** [XHS+24]. **gap** [DTR+22, RP22]. **Gaps** [AVRC+20, ŁKPK22]. **garden** [SSJC23]. **gardens** [RPARM20]. **Gas** [dKS22, BST+20, BWT+24, CFL+22, CPAT20, HCP+20, KMH+21, MTS+20, TQM+24]. **GCM** [TKO+22, ZFT20]. **GCM-related** [TKO+22]. **geese** [JZJ+20]. **gene** [FLG+23]. **general** [PSG21, RRSG21, DLT+22]. **generalizable** [RBEH21]. **Generalized** [SE21, CIL+20, KWC24, SE22, WSL+22]. **generated** [TK20a]. **Generation**

[EHS+20, LGA+21, MKS21]. **generic** [CdCAC+20, DWG22]. **generically** [CDJ+22]. **genetic** [SG20]. **genetically** [NS20]. **Geo** [DIS23]. **Geo-spatial** [DIS23]. **geochemical** [ACFM22, MTT22]. **Geographic** [LB21, HMDO20, RJY+20, SM22b]. **geographically** [CKC+24]. **geography** [MYACC22, USA21]. **geolocation** [NT23]. **Georgia** [MPPM23]. **geospatial** [KKF+23]. **geostatistical** [BMB24]. **Gerais** [MRR+20, dPGDdFS24]. **German** [HHBF24]. **germanica** [CH22]. **germinans** [LK20]. **GHG** [HWS+23, KMH+21]. **giant** [DRZ+24, XFK21]. **GIS** [DTR+22, DIS23, ILLM20, KFM+23, Lov24, SD24, USA21]. **GIS-based** [KFM+23, Lov24]. **given** [SE20a, SE20b]. **gizzard** [PSBE23]. **GLCM** [DLT+22]. **glider** [ACZ+21]. **GLM** [CKC+24]. **Global** [HRW+24, LB21, MBFS21, CBW22, COPM23, CYP+20, Cor20, CKC+24, HES+20, HES+23, KMH+21, LC20, LhNA+21, LhNA+22, LMW+23a, MLP+20, MPL+20, OHH+21, PG23, PSG+22, SQDM21, SMP20, TRMB20, XLM+23]. **global-scale** [CYP+20, Cor20]. **globe** [HHFB23]. **globosa** [LCMB21]. **goal** [NMV+23]. **goals** [GCMU23, NAM22, HL23]. **going** [ARSC22]. **golden** [BDP+23]. **Gompertz** [CMG20]. **good** [BCMV20, LJRM+20]. **Gorges** [XWX+24]. **governance** [PDW23]. **GPLake** [CDJ+22]. **GPLake-S** [CDJ+22]. **GPP** [SPPC21, YYS+22]. **Grabarnik** [Mea20]. **gradient** [ALS+21, NSS+23, SGTS21, SGTS23, SGCFB22]. **gradients** [BMS+20, LBGD21, OMP+23, RLS+24]. **grain** [COJ23, KFM+23]. **granularity** [OSH+21]. **grape** [EGAS23]. **grass** [HGBK23, PAdS+24]. **grasshopper** [LBGD21]. **Grasshoppers** [HSL+22]. **grassland** [HCP+20, LWL24, MTW+22, MPA+24, WHW+23, SOP22, WTT+21, Yu20, ZFT20]. **grasslands** [AG22, ACFM22, BAZ22, CSM23, DP20, HHT21, MPCG21, PSM+21, SHT21]. **grazer** [KWG+22b]. **grazing** [CSM23, JZS+21, ZGG22]. **Great** [KWM+24, ZFT20, AJ22, ABR24, BWS+20, KAT+22]. **greater** [OHP+23, ERP21]. **Greece** [LPD+20]. **green** [GZW+20, MKR20, RRCZ20, SBF+21, SSB22, SMV+20, SRB+20]. **green-lipped** [RRCZ20]. **greenhouse** [AAC20, BST+20, BWT+24, HCP+20, KMH+21, MTS+20, TQM+24, TCG+20, ZBH+22]. **greening** [WLZ+23b]. **greenspace** [CLY+23]. **grey** [CAB+21, HKG+24]. **grizzly** [GCS+21]. **gross** [GLK+22, GZD+23, HCX+21, KWP+23, ZZLF24]. **Ground** [ABC+22, EOÖ21, FSZ+20, FZS+20]. **ground-level** [EOÖ21]. **Ground-truthing** [ABC+22]. **grounds** [KiAM+20]. **Groundwater** [MSS24, Che21, ZSS20, BPN+20]. **groundwater-dependent** [ZSS20]. **group** [AIA+23, GAC+21]. **groups** [BLP20, NHGP23, RBGB23, vWVH20]. **grouse** [OHP+23]. **Growth** [KDC+21, dSMPA+22, dOPdMdS+21, VLGG+20, WXT+20, AZMD+22, AZAD+23, AXMJ22, AG22, AWW24, CZ21, CMG20, CAK+23, CMS+21, DHW+20, DMG22, DPC20, dMFOM+20, HMVR21, HGBK23, HFP22, Jia21, JASW23, KLS20, KAB23a, KABL21, KLA+20, KBAC20, LK24a, LM21, LZF21, LCMB21, MPSS24, MGHT20, MJ24, MFF+24, MLP+20, PCN+23, PKO+21, Pre22, RGB22, SE20a, SE20b,

SVK20, SGH+23, mSzZK+21, SMV+20, SRB+20, SLC+20, TMFV22, TKO+22, WYJ+22, YA24, YSFX23, ZYK22, ZS20]. **growth-maintenance** [AG22]. **Guangxi** [ZHJQ23]. **guarantee** [CKC20]. **guaranteed** [AZBdAI23]. **GUESS** [ERP21]. **guianensis** [dOPdMdS+21]. **guidance** [Gri20]. **guide** [BWCD23, DWG22, Tur20]. **guided** [HSJ+20]. **guideline** [SACEU+21]. **guiding** [PM22]. **guild** [CKC20]. **guilds** [LLZM20]. **Gulf** [BHC22, CGRR+24, MZLRSZ21, RWF22, WSFZ21, ZHJQ23]. **gull** [vdMvDSL20]. **gut** [LSL21]. **GWR** [ZSS21].

H [HKSM23]. **Habitat** [HSF+20, HK23, KWM+24, KLNMG22, YHC+21, BOLC+22, BHC22, BLLL21, BBSHC22, BG22, CWH+21, CLW23, CKK+24a, CKK+24b, CKK+24c, DL21, DSHB23, GVG+23, ILLM20, JLH+21, JHKT+23, JRD+22, LZD+24, LGA+21, LUT+24, MS23, OHP+23, PTNR+20, SvV21, SWW+23, SKH+20, WLZ+23a, WWF+23, WKL+21, WWCT24, Yao21, YXY+20, ZWL+21, cNKF24]. **habitats** [Che21, DTD+23, GRCSA+20, KE24, YDQ+23]. **Haliaeetus** [RM20]. **Haliotis** [DLZ+21]. **Handling** [ŁKPK22]. **Hanjiang** [XZZ+22]. **hannai** [DLZ+21]. **harbour** [WSL+22]. **hardcover** [Mea20]. **hardwood** [JLH+21, MLL20]. **hare** [LG20]. **Harmful** [KSJ22, CR24, CMKF22, CLH23, PTG+20, RFPRC23, SIOM24]. **harvest** [dSCdA21, DAG+21, DDL+20, SLLW21]. **harvested** [MLV24]. **harvesting** [BSE21, KLPJ24, NK23, PBH22, PHK23, SvV21, SM22a]. **harvesting-induced** [NK23]. **hatching** [LAK+23]. **hatchling** [LHDBN20]. **hazard** [AAAR23]. **healing** [LHL22]. **health** [PF23]. **heat** [KFM+23, SCH+21, ZOJ+23]. **heatwave** [SMV+20]. **heatwaves** [MKR20]. **heavy** [LLW+21]. **Hebei** [LZF21, LW23, ZLML20]. **Hediste** [GLA+20]. **Height** [SE20a, SE20b, HLS+23, HFP22, dAPdBMT23]. **heights** [IA23]. **Heihe** [XHS+24]. **helper** [GAC+21]. **hemimetabolous** [SKH+20]. **Hemiptera** [PTBFP+20]. **Henriot** [TCG+20]. **herbaceous** [MLJ+23]. **herbicide** [XGT+24]. **herbivore** [Hop23, WSN+21, YL22]. **herbivores** [GJC+20, RMK21]. **herbivorous** [PGdAM+20]. **HermaDEB** [LBS20]. **hermaphrodites** [LBS20]. **hermaphroditism** [MT23]. **hermaphroditism-dioecy** [MT23]. **heterocyst** [GSRB22]. **Heterogeneity** [GLH24, DPA21, LGFT+20, LP22, vDC20]. **heterogeneous** [BR22, PEFW20, PMP+21, SG20]. **Heterosigma** [SIOM24]. **hierarchical** [KWC24, PDGB21, SWF21, SKW23, WSL+22, WBD+22b]. **High** [BRC+21, LBGD21, YHC+21, AMP+23, AE22, ACZ+21, BGA+23, CJM+23, nCLpW+23, CDB+20, RSB+23, RPB+23, YXH20, vdHNH+20]. **high-boreal** [RPB+23]. **High-precision** [YHC+21]. **high-quality** [nCLpW+23]. **High-resolution** [LBGD21, AMP+23, RSB+23]. **Higher** [CLHZ22, RFF+23, CKC20, GJC+20, LDS+23, MT23]. **Higher-order** [CLHZ22]. **Highly** [DMGP20, FSY22, WGMR23]. **highly-biodiverse** [WGMR23]. **hilly** [ZBW+24]. **Himalayan** [BS20]. **Himalayas** [BWSS21]. **Hirst** [AFdSM23]. **hirundinacea** [ARSC22]. **Historical** [ZPZ+22, AG22].

histories [RPG20]. **history** [BMB21, CTL22, CP20, JOE23, KD20, NK23, SLYL+20, vDC20]. **history-dependent** [CTL22]. **hitchhiker** [DWG22]. **hive** [LBT+22]. **Hoeksche** [PRdN+20]. **holes** [BMB24]. **holey** [TTPA21]. **Homarus** [BHC22]. **homeostasis** [AKY+22]. **Honey** [LBT+22]. **honeybee** [MMC+21]. **Hopf** [NDNN22]. **host** [BRAL23, CLPZ20, MSLMM22, MM21, NWJ+22, Oku21, PTBFP+20, RWS+21, SE21, VSB22, ZMG+21, dGMCM+23]. **hosts** [Oku21]. **hot** [LLZM20, MZLRSZ21]. **Hotan** [CWY+24]. **hotspot** [BRC+21, ZZWF21]. **hotspots** [CXZ+23]. **hourly** [BH20]. **household** [GM23]. **housing** [CLY+23, JASW23]. **HSPF** [LKP+20]. **Huangguashan** [JLLS23]. **Hugo** [Pas21]. **human** [CBW22, CXZ+23, DYMD22, FMSR20, GMS+23, GRCSA+20, HL23, KCS22, MDP21, MPMT23, PMB+22, RGRMRR20, ST24, WG21, WFD23, YDQ+23, YPS+21]. **human-altered** [GRCSA+20]. **human-ecosystems** [RGRMRR20]. **human-natural** [KCS22]. **human-transformed** [MPMT23]. **humans** [AARS23, ZHC23]. **Humboldt** [CFG+22]. **humidity** [WBD+22b]. **humpback** [SWF21]. **hunter** [LP22]. **hunting** [CPAT20, KLPJ24, RRFLV+22]. **hurdles** [GSMD24]. **Hutchinson** [MYH+20]. **hybrid** [BOLC+22, CKK+24c, LNK+21, PR22]. **hybridization** [SCB+20]. **hybrids** [CKK+24a]. **HyDiaD** [BOLC+22]. **hydra** [dAdSCA20]. **hydraulic** [KSJ22]. **hydrocarbons** [ZYZ22]. **Hydrodynamic** [YHC+21, Che21, HSF+20, HLS+23]. **hydrodynamically** [SJH+23]. **hydrologic** [LHJ+24, TKO+22]. **hydrological** [GSA24, HLZ+22, LZD+24, NA22, ZRMW+20, dPGDdFS24]. **hydrology** [LMW+23b, NWO21, NO23]. **hydropower** [DYW+22]. **hyperallometric** [SGLK20]. **hyperbolic** [PSZ20]. **hypereutrophic** [DAQ20]. **hypotheses** [SGLK20]. **hypothesis** [Lef23]. **hypoxia** [FTH24]. **Hyrcanian** [LhNA+22, LhNA+21].

ibex [LGFT+20]. **IBM** [LBS20]. **ice** [DMdR24]. **ice-cover** [DMdR24]. **ideal** [Men22, dKS22]. **idealized** [KPLH24]. **ideas** [Ano20-49]. **identifiability** [SC21]. **Identification** [KT22, DTD+23, DBH+22, MP23, SGCFB22]. **identified** [BLB+20, KPLH24]. **identify** [MYACC22, OSH+21, SWW+23]. **Identifying** [BGCJ21, JASW23, KRM+22, MKEH20, XMWL23, BSU+23, KDC+21]. **Ignoring** [ŁKPK22]. **II** [BSPT23b, FZS+20]. **III** [ML20]. **Illustration** [RGB22]. **images** [CSZY+20, Lia23]. **imbalance** [BSCH23]. **immersed** [For20]. **Impact** [ELS23, JL23, JASW23, MSL+21, NO24, SLYL+20, AMK21, AFG24, BSS+24, BMB21, CdCAC+20, COJ23, CDN+23, CDJ+22, DAG+21, HHBF24, HMC20, HLS+23, JB22, KE24, LPSF24, LDXJ22, MGHT20, MTBB22, NA22, PDW23, QS23, RCCLMGV22, RBVL+20, SLB+23, TKO+22, VMH+21, Vas23, YLLL23, ZA20, ZYZ22, ZCJ+20, ZZLF24]. **impacted** [CDT+23, ZRMW+20]. **Impacts** [CP22, CPAT20, KWG+22b, XLS20, ZMF+20, BPW+21, BGS+20, BNAR+21, BRBT22, CRZ+23,

COPM23, CNSK21, Dav22, EBS23, ETAAH21, HKB+20, KBSS23, LCW+21, MCB+23, MGC24, MBD+22, MPA+24, PK23, PTG+20, WHW+23, SBS+20, SBS+21, SG20, SBWB24, TGRM23, TCS21, XCZ+20, ZXK+24]. **imperfect** [BR22, SOV21]. **implementation** [BGA+23, HKG+24]. **implemented** [BGA22]. **Implications** [BHC22, CR24, CNSK21, HKSM23, LRA+20, SE21, FEPR24, FLG+23, FTH24, RBEC21, Pas21]. **implicit** [AE22]. **import** [NO24]. **Importance** [FS22, ALS+21, CKK+24c, EJ20, GMS+23, HHT21, JHKT+23, NPK+23, WRC21, vdHNH+20]. **important** [MFF+24]. **imprecise** [XCZ+20]. **improve** [CSCT23, GZD+23, MVAD20, dRMJdS23, PTG+20]. **Improved** [HKY24, HCX+21, KWP+23, KBAC20, Ste20, WMA21, BA20, CWW+23, LCW+21, NYH20, dOPdMdS+21, SPPC21, Yu20]. **improvements** [LKP+20]. **improves** [BSCH23, CLW+24, JST+22, OW20, RFF+23]. **Improving** [AMP+23, ASKR24, BLSR+20, KMP+23, PGSL+20, SZPW23, SNM+23, WXX+23, YCI20, BGK+20, TCG+20]. **IMTA** [HK23]. **in-season** [HGBK23]. **in-silico** [PNGESS21, FCFCM24]. **in-water** [WWP20]. **inbreeding** [RMA+24]. **incidence** [CMSD+22]. **including** [DS24, HLZ+22, YEL+21]. **inconsistency** [Sak23]. **incorporates** [dAPdBMT23]. **Incorporating** [APF21, HML+22, WBD+22a, CL21, PGdAM+20, VRRI+24, WBD+22b, XYZR21, ZYK22, ZHC23]. **Incorporation** [ALJ+22]. **Increase** [AKM22, CAFT22, KHH+22, KHH+24]. **Increased** [cNKF24, FS22, GLH24, GGMR20, HHBF24, TCB21]. **increases** [ALJ+22, KKF+23]. **Increasing** [dGZHCA24, FWK+20, SQDM21, WGMR23, WLZ+23b]. **incubation** [CC20]. **independent** [HI22, PPH+21]. **indeterminate** [CMG20]. **index** [HKSM23, JPL21, PSZ20, ZSS20]. **India** [ESCA22, GMM20, JLV+21, MSG+21b, RSB+23, SD24, SPPC21]. **Indian** [LHH+24, BGC+24, HMVR21, KWP+23]. **indica** [AFdSM23]. **indicate** [ZZŠ+22]. **indicators** [WXX+23, ZMK+22]. **indices** [CSZY+20, GSJC22, XMWL23, ZMK+22]. **Indigo** [BGA22]. **Indigo-N** [BGA22]. **Indirect** [SWL+23, KMAA23, TBM+24]. **Individual** [APGD+21, EV22, MKS21, Mea20, PMP+21, RPG20, AVRC+20, AHO+20, APF21, BGS+20, CDB+20, CGVC21, CKK+24a, CKK+24c, DAB+20, DWH+21, EWE20, GRCSA+20, HBMR24, HKG+24, KCP+23, KD20, Koo24a, KWG+23, LGFT+20, LDC+20, LBI+20, LQH24, MSG21a, MSG23, dSMPA+22, MJ24, MPL+20, RFJ+22, TBM+24, WHE+24a, WHE+24b, WBW+20, WYBX23, WBD+22a, XJW21, YLS+21, ZMS20, ZFP21, Mea20]. **individual-** [RFJ+22]. **Individual-based** [APGD+21, EV22, MKS21, Mea20, PMP+21, RPG20, AHO+20, BGS+20, CGVC21, DAB+20, DWH+21, EWE20, GRCSA+20, HBMR24, HKG+24, KCP+23, Koo24a, KWG+23, LGFT+20, LBI+20, LQH24, MSG21a, MSG23, TBM+24, WHE+24a, WHE+24b, WBW+20, WBD+22a, ZMS20, Mea20]. **individual-level** [AVRC+20]. **individuals** [MOS21]. **Indonesia** [JASW23]. **induced** [dSBDH23, CBSB23, DBK20, GRAA22, GZ23, LPS+21, NK23,

SPPC21, YYS+22]. **industrial** [DS24, KHS+23]. **industrial-natural** [DS24]. **industry** [nCLpW+23, PAPŁ+23]. **inequality** [LMW+23a]. **inertial** [CGV22]. **infection** [CGB+23, CYP+20, Cor20]. **infections** [DEMJ24]. **infectious** [GMM+24, VSB22]. **infer** [GSM+20, JVGC21]. **inference** [ŁKPK22, TDI+20]. **inferences** [ATP20]. **inferring** [PDH+22]. **infestans** [FC21]. **infestation** [BDP+23, MM21]. **influence** [BHC22, BAM23, CKK+24c, FCFCM24, FDSM20, GAMN+23, IA23, JPMA+23, KN20, KCHZ21, LCM24, MLMI23, MSLMM22, NL20, QZSV21, RLS+24, SLB20b, SMD+20, SKH+20, WSM24, dAdSCA20]. **influenced** [KSJ22, XZZ+22]. **Influences** [CMFC23, SHT21, CBW22, CLW23, MFH+22, OHR+23, SC24a, SM22a, SZL+20]. **influencing** [LW23, XMWL23, ZSS21]. **influential** [BGCJ21, LBT+22]. **inform** [CSMP21, GML+20, WT20, WDW+22]. **Information** [LB21, SPV+20, ZL24, BAM23, HKB+20, HNC+21, LLW+21, MGK+23, MPMT23, RBMRR20, TTPA21, vWVH20]. **information-content** [MGK+23]. **informed** [HMGK20]. **Informing** [HCW+22]. **infrastructure** [SBF+21]. **inhabiting** [SBMF23]. **Inhibition** [MYH+20, FMRMAS24]. **Initial** [nCLpW+23]. **Initiative** [LMW+23a]. **inland** [XHS+24]. **inner** [KNP+21]. **innovations** [CAH22]. **Ino** [DLZ+21]. **inoculum** [MGHT20]. **inorganic** [NKT+20]. **input** [BS20, HLM+20, MDB+20, WHL+23, XLM+23, ZZŠ+22]. **input-output** [HLM+20, XLM+23]. **inputs** [HRW+24]. **Insect** [DBN+22, DMG22, DKM+21, MJ24, PSM+21, PGdAM+20, RTH+21, RCSS20, SE22, SKH+20, SM22b, dGMCM+23]. **insects** [CH22]. **Insights** [AADHA+23, dSCdA21, HSP+22, HCPG20, MAGR+22, PYD+21b, PTNR+20, RMV+24, ZWZ+20, HBMR24, JZJ+20, PSM+21, SLB+20a, dFT+20, LJRM+20, PYD+21a]. **inspires** [PSW22]. **instream** [KTB+23, LKP+20]. **instruments** [BAM23]. **intake** [vdMvDSL20]. **integer** [SRÁMH+20]. **integral** [JPL21, PSBE23, PFK+22]. **integrate** [MTBB22]. **Integrated** [BNAR+21, DKM+21, ETAAH21, BdCCdSAdS23, BMM22, DIS23, FMH+20, GLA+20, HK23, JZJ+20, KFM+23, KWG+23, LUV+23, LCMB21, LYM+23, MSS24, MJdORPG23, PBF+23, STW+23, SWW+23, SZL+20, WSL+22, Yao21]. **integratedly** [ZYK22]. **Integrating** [ATP20, Ano20-50, BKTM20, CLW+24, JPL21, MBFS21, PGP+22, SVK20, TPD+24, VRS20, WDW+22, WFD23, XJW21, CDB+20, LZW20, PTNR+20, SNP+23]. **Integration** [BLB24b, LUT+24, OW20, PRdN+20, BNN20, OCT+23, SKW23]. **integrity** [Gon23]. **Intelligent** [Lia23]. **intensity** [CP22, PAS23, TMNA20, ZLZ+24]. **intensive** [HLS+23, ZCJ+20]. **intentionally** [SM22b]. **inter** [CKK+24a, EVHS21, KD20, MPL+20, PSG21]. **inter-** [PSG21]. **inter-individual** [CKK+24a, KD20, MPL+20]. **inter-site** [EVHS21]. **interact** [KN20]. **interacting** [MAB23]. **interaction** [CWY+24, DYMD22, GGS+22, HFP22, JBF22, MVC+22, MM21, PVS+21, RUTY23, SGCFB22, SGRDA+24, TRMB20]. **interactions**

[ABM20, AM21, BANG20, BNN20, CLPZ20, CZ21, CLHZ22, CDNN+20, FHP+22, GGMR20, HFP20, KNP+21, LRA+20, LP22, MDP21, OMP+23, PSG21, PGSL+20, RBEC21, SCG+23, SGP+20, SLLW21, SPV+20, SPV+21, WPL+23, WMA21, WTT+21, YL22, YEL+21]. **Interactive** [KAB+23b, KPLH24, TSBE23, CVTS20a, CVTS20b, ZFC+23]. **interacts** [BSR21]. **interception** [LWL24]. **intercropping** [DDH+22, KKP+21]. **interdependent** [RK20]. **Interdisciplinary** [NPS+23, LWZL23, RFHR24]. **interface** [MD23, TGL+22, WPL+23]. **internal** [VJK+23]. **International** [Mea20]. **interplay** [AM21]. **interpolation** [RRFLV+22]. **interpolators** [RAB21]. **interpretability** [AZAD+23]. **interpretation** [AHH22, BM22a, LK24a, RSWS23]. **interpretations** [LPL22b]. **Interpreting** [AKY+22]. **interregional** [ZLML20]. **intersection** [LHDBN20]. **intertidal** [GSM+20, PR22, vdHNH+20]. **interval** [ALK20, NMV+23, RUTY23, ZZZD22]. **interval-valued** [RUTY23]. **intervals** [JPL21, LK24b]. **intra** [CKC20, RLM23]. **intra-annual** [RLM23]. **intra-guild** [CKC20]. **intraguild** [SM22a]. **intraspecific** [PSG21]. **Intrinsic** [MSML21, YZF20]. **intrinsically** [GZ23]. **intrinsically-induced** [GZ23]. **introduced** [SM22b]. **Inuit** [DSHB23]. **invadable** [MOS21]. **invader** [YB22]. **invaders** [MJS24, SG20]. **invading** [BAZ22]. **invasion** [AV22, Fou21, JL23, LBL22, MJS24, NL20, NTHC23, WLWL23]. **invasive** [CH22, JL23, LGG+22, LDXJ22, SLB20b, SWL+23, SC23, SBR20, TBP+23, dGMCM+23]. **invasiveness** [PBH22]. **inventory** [BSS+24, IBB+21, IBB+22, PPH+21]. **inversion** [TDI+20]. **investigate** [DHW+20, DPC20, MSG21a, MSG23, RWF22, Wu24]. **Investigating** [AAM+22, CZ21, HZ22, MGHT20, PDH+22, RSC+23]. **Investigation** [GCSlR22, RKN+21, WRC21]. **investigations** [CM21]. **Ionian** [RSC+21, RSC+23, LPD+20]. **ionising** [VSK+20]. **ionizing** [YXH20]. **IOP** [Pas21]. **IPH** [dPGDdFS24]. **Iran** [DYMD22, AAM+22, CMHZ23, ETAAH21, EGAS23, ENARM+23, KT22, NAM22, PK23, RSASP22, ZMK+22]. **irradiance** [SDP21]. **Irregular** [CMKF22, BMB24, JM22]. **irrigated** [GLK+22, JMPB24]. **irrigation** [GZD+23, HKH+23, LE23]. **irrigation-related** [LE23]. **irruptive** [STRC24]. **ISBN** [Mea20, Pas21]. **ISBN-13** [Pas21]. **Island** [LUV+23, SBS+20, WF24, CLW23, GCSlR22]. **Islands** [LPD+20, SOV21]. **issues** [PBH22]. **Italian** [GCMU23, NSS+23]. **Italy** [GMS+23, GSC+23, MEGA21, SBF+21, BBCD23, BARF20, CMHZ23, DSC+21, LPA+21]. **iterative** [FFM+23]. **iteroparous** [KK20]. **Ixodes** [WBD+22b].

January [Ano20e, Ano20q, Ano21e, Ano21q, Ano22q, Ano23q, Ano24i]. **Japan** [BWS+20, KiAM+20, NO23, TDI+20]. **Japanese** [HKSM23]. **japonica** [HKSM23]. **jellyfish** [EWE20, XFK21]. **Jiangsu** [KHS+23]. **joint** [MJS24]. **Jørgensen** [Fat21]. **JRR** [Fat21]. **July** [Ano20f, Ano20r, Ano21f, Ano21r, Ano22r, Ano23r]. **June** [Ano20g, Ano20s, Ano21g, Ano21s, Ano22s, Ano23s, Ano24j]. **Jurassic**

[PR21]. **Just** [PMZ+21]. **juvenile** [BdBG+21a, BdBG+21b, Koo24a, LLB+23, MBB20, MLP+20, SPB+24, SJH+23, WRC21]. **juvenile-driven** [Koo24a]. **JZB** [XCZ+20].

Kalman [CWW+23]. **Kamchatka** [PA20]. **Kansas** [AAR23]. **Karenia** [GSJ+22]. **Karst** [ZHJQ23]. **Kashgar** [WFW+24]. **Keeping** [KAT+22]. **Kelp** [VLGG+20, SMS+24]. **Kemp** [SPB+24]. **Kenya** [GVG+23]. **Kerguelen** [APGD+21]. **kernel** [PSW22]. **Key** [YG21, CAK+24, CNSK21, GAC+21, GRCSA+20, KDC+21, XMWL23]. **keystone** [HNC+21]. **Kheyrud** [ETAAH21]. **Khuzestan** [ENARM+23]. **Kinetics** [GSJ+22, AZAD+23]. **Kingdom** [Pas21, KLA+20]. **kiwifruit** [CMHZ23]. **knowledge** [CMGD+22, DSHB23, JZS+21, MS20, PRdN+20, VRS20]. **known** [BGS+20]. **Korean** [WLT+23]. **krige** [BMB24]. **krill** [BMB21]. **Kuznets** [LMNV20].

L [LhNA+22]. **L.** [EVT+21, GRAA22, LhNA+21, PAPŁ+23, SWHZ22, SKW23, WSHZ24]. **laboratories** [Tur20]. **laboratory** [AZMD+22, LEC+23, SGH+23, VN23]. **labrax** [WBW+20]. **lack** [ZOJ+23]. **lactuca** [LFN+20]. **Laemophloeidae** [AJJ24]. **lagoon** [AACCIS20, CMGD+22, PGB+20]. **Lagos** [EON23]. **Lagrangian** [LWE+22, LEC+23, TMNA20, WSW23]. **LAI** [CSZY+20]. **lake** [AJ22, BGCJ21, CDJ+22, FWK+20, GPN+23, HSJ+20, KUK+21, TSUY23, Tsy22, WLLW20, WLQ+23, WPL+23, ZZŠ+22, ZWZ+20, DMdR24, DVVH21, HSF+20, KKH+24, MSL+21, MFH+22, SLB20b, TGRM23, WCG+24, ZYZ22]. **lake-floodplain** [TSUY23]. **lake-scale** [AJ22]. **Lakes** [DMdR24, EL21, LCLG20, Ste20, YXY+20, AJ22, KWM+24, KAT+22, LHJ+24]. **Lakeshore** [SOV21]. **Lamellidens** [GMM20]. **lampreys** [AJ22]. **Lancang** [WLZ+23a]. **lance** [SWF21]. **Land** [LZW20, MTP+20, TLH+20, ABC+22, CP22, COS23, CPTD22, CLG20, DSC+21, DWG22, Fou21, GZK+20, HAZEF23, JLH+21, JLLS23, JHL23, KMH+21, KMP+23, LBGD21, LZSQ20, Lia23, LSS+21, LLW+21, MTZA23, NMV+23, NAM22, PHL20, RSASP22, SBM+22, SWP+23, TGRM23, TGL+22, USA21, WWC+22, WMA21, WFW+24, YPS+21, YKZ+23, ZLLZ24, ZHWZ23]. **land-based** [CLG20]. **land-cover** [WWC+22]. **Land-Use** [TLH+20, LZW20, CP22, COS23, JHL23, RSASP22, WWC+22]. **land-use-based** [DWG22]. **land-use/cover** [COS23]. **land-use/land-cover** [WWC+22]. **lands** [ESCA22, TSBE23]. **Landscape** [DLT+22, HBP+21, MTP+20, dMT23, AJG22a, AJG22b, AGP20, BSR21, CWY+24, FFM+23, FHP+22, GLH24, GSMD24, HMDO20, JSL+20, KS22, Kos22, LDR+20, LRA+20, LP22, LZL23, MPMT23, MS23, MTZA23, OW20, PTRP23, SZPW23, SMS+24, XMWL23, ZBW+24, cNKF24]. **Landscape-scale** [HBP+21]. **landscapes** [BWCD23, DYMD22, KLNMG22, LPD+20, MSLM+24, MGdM+20, MMMS23, SJA+22, VBH20, WGMR23]. **LandSDS** [LZW20]. **Laplace** [WSL+22]. **larch** [GHK23]. **large**

[BS21, BdCCdSAdS23, DYW+22, GCB+22, GJC+20, GMM+24, LBGD21, LEC+23, PTRP23, PBS21, WPL+23]. **large-scale** [GMM+24]. **Larger** [CDC+22]. **Larimichthys** [RJY+20]. **Larix** [XLS20]. **Larus** [ILLM20]. **larvae** [GMM+24, JPMA+23]. **larval** [CMFC23, PYD+21a, PYD+21b]. **last** [BPL+20]. **late** [HEL+21, PR21]. **Latent** [Por21]. **laterally** [Che21]. **latissima** [VLGG+20]. **latitude** [ALJ+22]. **latitude-adjusted** [ALJ+22]. **latitudinal** [NSS+23]. **Laurentian** [KWM+24]. **law** [KLS20, XJW21]. **layer** [FSZ+20, FZS+20, TMNA20]. **layout** [LBT+22, ZZQ23]. **lconnect** [MS23]. **leaching** [BGA22]. **lead** [JJN22]. **leads** [CMA23, HKY24]. **leaf** [CLW+24, HKSM23, KHH+22, KHH+24, Mas23, MLJ+23, NYH20, PTF23, PCN+23, PKO+21, PNGESS21, SLHB+23]. **leaf-appearance** [PTF23]. **Learning** [Ano20-51, ASKR24, ASHK22, BSCH23, CAK+23, CAK+24, EOÖ21, GZD+23, HSJ+20, KKW+21, Lia23, MBFS21, PBS21, RSWS23, RFPRC23, SPV+21, TK20b, WLY+23, WCSX22, WKL+21, WrJP+22]. **Learning-by-doing** [ASKR24]. **least** [PCK+22]. **leatherback** [CMG20]. **Lei** [ZCJ+20]. **leishmaniasis** [ZMG+21]. **lemuru** [PYD+21b, PYD+21a]. **length** [BPK+20, LCMB21]. **lens** [DK22]. **Leslie** [SQDM21]. **Lesotho** [RMO22]. **Less** [XGT+24, TSdOCV21]. **lesser** [BGS+20, vdMvDSL20]. **lesser-known** [BGS+20]. **lesson** [Fou21]. **Lessons** [For24, LBGD21]. **Level** [Por21, AVRC+20, EOÖ21, LYL+24, PPH+21, PR22, STW+23, TLC+22, VSS+22]. **levels** [CCH20, DBK20, Jor22, LYC+21, PCK+22, SKW23]. **leveraged** [YA24]. **Lianas** [dFT+20]. **library** [LQH24]. **lice** [EVHS21, GMM+24, MM21]. **Liebl.** [EVT+21]. **Liebl./Quercus** [EVT+21]. **Life** [JOE23, AZAD+23, BMB21, CMGD+22, CTL22, CP20, EL22, HKG+24, KD20, KBSS23, LUT+24, MFF+24, NGA+20, NK23, RPG20, SLYL+20, SINS22, vDC20]. **life-histories** [RPG20]. **Life-history** [JOE23, KD20, NK23, SLYL+20]. **lifespan** [KN20]. **Light** [SBMF23, BWCD23, HMC20, PNGESS21, SMS+24, TMNA20, Yu20]. **light-climate** [HMC20]. **likelihood** [NT23]. **likely** [WWA+22]. **limitation** [LLB+23, SGH+23]. **Limited** [NK23, HKB+20, HLW+20, HLZ+22, ZWL+21]. **limiting** [CKK+24b]. **limnology** [DBK20]. **limpet** [GSM+20]. **linear** [SDD+20]. **lines** [CDC+22]. **link** [MGWG22]. **linkages** [MFPIBGES23]. **Linking** [HKH+23, JTH24, JLH+21, KWG+22a, AB21, Jor22]. **links** [AS22, MPMT23]. **Liolaemus** [NMGFOB21]. **lipped** [RRCZ20]. **list** [SCACB23]. **literature** [MMRBLN20]. **Litopenaeus** [dMFOM+20]. **litter** [LDXJ22, MLJ+23, SLHB+23]. **Liulin** [ZZLF24]. **lived** [LGK+23]. **livelihoods** [CNSK21]. **lives** [SCH+21]. **livestock** [GJC+20, JST+22, MTS+20, MD23]. **Living** [BLP20, TLH+20, ZZQ23]. **LMfireCF** [ERP21]. **loading** [CR24]. **loadings** [WCG+24]. **loads** [NA22]. **Lobesia** [AZMD+22, AZAD+23, CdCAC+20, PSM22]. **lobster** [BHC22, HBMR24]. **local** [CMGD+22, LSL21, MSL+21, MAGR+22, MKEH20, MM21, OZSU22, PDW23, PRdN+20, PDGB21, RLS+24]. **localized** [VRW+21]. **location** [LDC+20]. **locations** [MGK+23]. **lock** [EOÖ21]. **lock-down** [EOÖ21]. **locust** [LAK+23, SGV+24]. **Loess**

[SZL+21, TGL+22, WXT+20, YLLL23]. **Loggerhead** [MZLRSZ21, CRZ+23, PTD+23]. **logging** [BSS+24]. **LoggingLab** [BSS+24]. **logic** [DSHB23]. **Logistic** [SLC+20, KAB23a, PSG21, YXY+20]. **Lombard** [RCCLMGV22]. **London** [CCH20]. **Long** [RSASP22, ABH+20, BLB+20, DYMD22, FMRMAS24, JLV+21, JSD+22, PKO+21, SZ20, YSIB24]. **long-range** [FMRMAS24]. **Long-term** [RSASP22, ABH+20, BLB+20, DYMD22, JLV+21, JSD+22, PKO+21, YSIB24]. **longiceps** [HMVR21]. **longleaf** [JLH+21, SLHB+23]. **look** [BBSHC22]. **loop** [AIA+23]. **loops** [RGRMRR20]. **Lorestan** [AAM+22]. **loses** [MKN23]. **loss** [ALK20, JRD+22, LSL20, LAK20, MMdP+21, cNKF24]. **losses** [LLLZ21, SAdA+22]. **Lotka** [NMGFOB21, SIOM24]. **Low** [HP20, MTL+23, RM20, Lef23, LCM24, MDB+20, YXH20, ZBW+24, ZL24]. **low-dose** [YXH20, ZL24]. **low-input** [MDB+20]. **lower** [GZ23, MJdORPG23, LUT+24, XZZ+22]. **lowland** [HCPG20]. **Loxodonta** [DDG+21]. **LPJ** [ERP21]. **LPJ-GUESS-LMfireCF** [ERP21]. **LSTM** [ZHWZ23]. **Ltd** [Pas21]. **LUCIA** [WMA21]. **lupus** [HKG+24]. **Lycium** [SWHZ22, WSHZ24]. **lysis** [KPLH24].

Macau [XWZ+22]. **Machine** [Ano20-51, CAK+23, ASHK22, BSCH23, CAK+24, GZD+23, HSJ+20, KKW+21, MBFS21, RSWS23, RFPRC23, WKL+21]. **Machine-learning** [CAK+23, BSCH23]. **Macro** [RTH+21, NO23]. **macro-** [NO23]. **Macro-symbiosis** [RTH+21]. **macroalga** [LFN+20]. **macroalgae** [VN23]. **macroecology** [GRS+20]. **macroscopic** [ZZWF21]. **magnitude** [CGB+23]. **main** [BNAR+21, HLW+20, RJY+20]. **Maine** [BHC22]. **mainland** [ZXK+24]. **maintained** [SLHB+23]. **maintaining** [MSG21a]. **maintenance** [AG22, MJ24]. **maize** [AMK21, dSBDH23, GLK+22, GZD+23, VSS+22, WXH+22, KFM+23]. **Making** [CSMP21, For20, BVR+20, GZK+20, JST+22, MTW+22, PBS21]. **Malaba** [COS23]. **Malakisi** [COS23]. **malaria** [KE24]. **Malayer** [KT22]. **males** [HLB+20]. **mallards** [WWF+23]. **mammal** [Dav22, JSD+22]. **mammals** [TSdOCV21]. **Managed** [Dav22, ACFM22, BLL+23, DS24, MPCG21, SLB+23]. **Management** [Ano20-51, Mea20, ABH+20, AZBdAI23, BH21, BAM23, BM21, CSMP21, CAB+21, DBN+22, GSC+23, HKH+23, HAZEF23, JLH+21, LWZL23, LCMB21, MLV24, MVC+22, MJdORPG23, NGE+21, PGP+22, PPH+21, dOPdMdS+21, PSM+21, Pre22, RS23, SRÁMH+20, SAL+22, SFGB23, STW+23, TSBE23, WBW+20, Yao21, YKZ+23, ZCJ+20, ZBH+22, Mea20]. **Management1** [LL22]. **Managing** [BSU+23, FTH24, Lov24, MAB23]. **manatee** [Che21]. **MANGA** [BPN+20]. **mangrove** [LK20, ZRMW+20, BPN+20]. **Manning** [HLS+23]. **map** [DLT+22, PTRP23, WHdBB21]. **Mapping** [EON23, GCS+21, DK22, PDGB21]. **maps** [LCP+20]. **March** [Ano20h, Ano20t, Ano21h, Ano21t, Ano22t, Ano23t, Ano24k]. **margaritifera**

[SLYL+20]. **margin** [LWL24]. **Marginal** [Men22, ESCA22]. **marginalis** [GMM20]. **marginalized** [KCS22]. **marina** [SIOM24]. **Marine** [BDA+20, BWS+20, BARF20, CMGD+22, CBG+22, CNNS+21, DS23, Dav22, FSY22, GRGHM21, GDC24, HZ22, HES+20, HES+23, JPMA+23, JSD+22, KKPR20, LLB+23, MS20, MBFS21, MSML21, MMRBLN20, MZLRSZ21, MFF+24, MBD+22, RUTY23, RAB21, SBS+21, SMV+20, WA20, YD20]. **Marion** [GCSlR22]. **maritima** [HBP+21]. **maritime** [YD20]. **marketability** [CLY+23]. **Markov** [LM23, SOV21]. **marsh** [LBGD21, QZSV21]. **marten** [SWL+23]. **Maryland** [BRBT22]. **mass** [GRGHM21, LGA20, RWF22]. **MASTIFF** [MBG+22]. **masting** [VK24]. **Mate** [WZWF20]. **material** [LZF21]. **maternal** [CLW23, CC20]. **math** [KAT+22]. **Mathematical** [GGS+22, LJP+22, WGAH22, BDP+23, BCMV20, EBS23, GAC+21, GRAA22, Ino22, RCCLMGV22, RWF22, SE20a, SE20b, SvV21, ST24, WPL+23, YXY+20]. **mathematics** [ZWL+21]. **matrices** [TK20a, TTPA21]. **Matrix** [TK20a, CCJK+20, CP20, LKO20, LSG21, PTG+20, SCB+20, SdlP20, XYZR21, dVDC20]. **Matt** [EVT+21]. **matter** [AB21, FMSR20, WTT+21]. **matters** [BS20, Fou21, RWS+21, VVH+20]. **Mauve** [EWE20]. **MaxEnt** [HPMB20, SRTS20, SM22b, ATP20, SC24a]. **maximize** [DGVVP23]. **Maximum** [dSCdA21, AKM22, GCS+21, HMDO20, dRMJdS23, dAPdBMT23, RLM23, WT20, XJW21]. **May** [Ano20i, Ano20u, Ano21i, Ano21u, MBD+22, Ano22u, Ano23u, Ano24l]. **mayfly** [KFJS20]. **MCDA** [USA21]. **MCDM** [LJ21]. **meadow** [ALS+21, PR22]. **mean** [Dav22]. **measure** [RP22]. **measured** [AAR23, GCSlR22]. **measurements** [ASHK22]. **measures** [JTH24]. **Measuring** [DPA21, GPN+23]. **mechanical** [MLMI23]. **mechanical-ecohydrological** [MLMI23]. **mechanics** [YEL+21]. **mechanism** [BGA+23, CR24, DDH+22, SIOM24, SZL+21, YXH20]. **mechanisms** [SINS22, ZXK+24]. **Mechanistic** [SMS+24, BPW+21, BGA22, CSBS21, EJ20, HMGK20, HZ22, HFSL+24, KN20, KBAC20, LLC+24, MK21, MJ24, MLJ+23, MBG+22, MOS21, RBEH21, dAWG23]. **mechanized** [NGA+24]. **media** [PDW23, PAS23]. **media-based** [PAS23]. **mediate** [SM22a]. **mediated** [VVH+20]. **Mediterranean** [RSC+21, RSC+23, AACCIS20, BRC+21, BCMV20, DAQ20, LPD+20, MTL+23, PGSL+20, SBF+21, SMD+20]. **Mediterranean-type** [AACCIS20]. **megafauna** [RAC+24]. **meiofauna** [vdHNH+20]. **Mekong** [LUT+24]. **melitensis** [LGFT+20]. **mellifera** [JSL+20, LBT+22]. **Membracidae** [PTBFP+20]. **memorized** [Sak23]. **memory** [RBGB23, SZ20, TPD+24]. **Mercury** [CB20]. **Merging** [RBEH21]. **Meriones** [ZMG+21]. **mesic** [ZFT20]. **Mesocarnivores** [SOV21]. **mesopelagic** [CGRR+24]. **mesotidal** [CMGD+22]. **Messina** [SGP+20]. **meta** [NMV+23, OKS+21, RLS+24]. **meta-ecosystem** [RLS+24]. **meta-ecosystems** [OKS+21]. **meta-goal** [NMV+23]. **metabolic** [CMA23, GSM+20, KN20, LK24a, MTS+20, SGLK20, VVH+20, XJW21].

metabolism [BMB21, BCW+23, CLG20, EL22, LZF21, MKS21, WZZF23]. **metacommunities** [AE22, LQH24]. **Metacommunity** [BACS22, LBL22]. **MetaIBM** [LQH24]. **metal** [LLW+21]. **metallophyte** [BMS+20]. **metamodelling** [CGVC21]. **metamorphosis** [PDG+20]. **metaphor** [SGPSzC22]. **metapopulation** [FdKO21, FAC22, NTHC23, RGB+23, SdlP20, BGC+23]. **metapopulations** [BSR21, TA20]. **meteorology** [JPL21]. **methane** [SMM+22]. **method** [AAM+22, DL21, For20, FG21, KFM+23, KK20, ML20, MSS24, PMZ+21, SSM24, SZ20, SDH21]. **Methodological** [SLB+20a, DBDR22, dMT23]. **Methods** [Mea20, AIA+23, GZD+23, JL23, LGK+23, MDT+23, WT20]. **metric** [GAM20, OW20]. **metrics** [GSJC22, GWH20, SBFBDM24, SDSP+21]. **metrix** [CC23]. **Metropolitan** [MTP+20, AXMJ22, BBCD23, NSS+23, WWC+22, SBF+21]. **Mexico** [CGRR+24, MZLRSZ21, RWF22, WSFZ21]. **MFA** [GM23]. **MGB** [dPGDdFS24]. **MGB-IPH** [dPGDdFS24]. **Michigan** [SLB20b]. **micro** [KKP+21, NO23, PCK+22]. **micro-organisms** [KKP+21]. **micro-plastics** [NO23]. **micro-scale** [PCK+22]. **Microbial** [MSL+21, AKY+22, KAB+23b, KKPR20, MKN23, YXH20]. **microbiome** [LLZM20]. **microbiota** [LSL21]. **microclimate** [MK21]. **microclimates** [SVK20]. **Microclimc** [MK21]. **Microcystis** [DAQ20]. **microphytobenthos** [vdHNH+20]. **microphytobenthos-meiofauna** [vdHNH+20]. **microplastics** [BRBT22]. **Micropterus** [LBI+20]. **microsimulation** [MKR20]. **mid** [KKW+21, WWF+23]. **mid-continent** [WWF+23]. **middle** [XMWL23, XZZ+22]. **Middle-lower** [XZZ+22]. **migrating** [HBMR24, KTB+23]. **Migration** [WWA+22, AKM22, ASL+20, BdBG+21a, BdBG+21b, CSB22, DLY+22, Fer23, KiAM+20, MBB20, NPS+23, PTD+23, PMB+22, SdlP20, SJH+23, WGK+21, ZLL+23]. **migratory** [ARSC22, DAB+20, SGA22, SGV+24, XCH+21]. **mikimotoi** [GSJ+22]. **milk** [OZSU22]. **Mill.** [SKW23]. **Minas** [MRR+20, dPGDdFS24]. **MinBAR** [RPT21]. **Mini** [OKS+21]. **Mini-review** [OKS+21]. **minimal** [RPT21]. **minimalistic** [DDDC21]. **Minimizing** [MTS+20]. **mining** [LLW+21]. **mirabilis** [HBP+21]. **mismatch** [AAR23]. **missing** [JM22, LKPK22, MGWG22, RBVL+20, SPV+20]. **Mississippi** [WWF+23]. **Missouri** [BGK+20]. **mite** [MMC+21]. **mites** [TCG+20]. **Mitigating** [LG20]. **Mitigation** [CDN+23, CLG20, MLV24, NMC+20]. **mixed** [DMGP20, HMC20, LhNA+21, LhNA+22, MTZA23, SRÁMH+20, SMD+20, TMNA20, WLT+23, YSIB24]. **mixing** [EVT+21, KUK+21]. **mixoplankton** [SGTS21, SGTS23]. **mixotroph** [CR24]. **mixotrophic** [LBPL20]. **mixotrophs** [CMA23]. **mixotrophy** [CR24]. **mixtures** [Pre22]. **mobile** [FdKO21, FSY22]. **mode** [KS22]. **Model** [BWT+24, DLT+22, KUK+21, KAT+22, LWL24, PKB+23, RSB+23, RCSS20, TLH+20, Tur20, YHC+21, AJG22a, ABKA24, Abe20, AB21, AZMD+22, AZAD+23, AXMJ22, AE22, AS22, AM22, APGD+21, ABC+22, ACZ+21, AACCIS20, BSR+23, BSPT23a, BSPT23b, BOLC+22, BDP+23,

BLA+24, BAAN24, BMB24, BKTM20, BPN+20, BGS+20, BANG20, BGR20, BGA+23, BGCJ21, BA20, BGC+23, BMBB24, BGA22, BST+20, BWS+20, BNN20, BAM23, BRBT22, BLSR+20, BAZ22, BCMV20, BSM23, BRAL23, BARF20, BDA+20, BGC+24, BTC+22, CMGD+22, CGRR+24, CM21, CBG+22, CdCAC+20, CDJ+22, CHR+23, COS23, Che21, CJM+23, CWW+23, CXZ+23, CVTS20a, CVTS20b, COPM23, CAK+24, CNNS+21, CGVC21, CMS+21, CYP+20, Cor20, CSB22, CAB+21, CDC+22, CFG+22, DS23, DHW+20, DBK20, DAG+21, DDH+22, DGSM21, DGVVP23, DDG+21, DP20, DBN+22, DDDC21, DLZ+21, DVVH21]. **model** [DWH+21, EL21, EWE20, EBMK20, EHS+20, EL22, EBS23, ERP21, ESZ+23, FMH+20, FC21, FFM+23, FEPR24, FMRMAS24, FAC22, FSZ+20, FZS+20, GSR+23, GAMN+23, GMM20, GSC+23, GGMR20, GRAA22, GRCSA+20, GSRB22, GWD+23, HMGK20, HMVR21, HLZ+22, HBMR24, HRW+24, HBC+22, HML+22, HL23, HES+20, HES+23, HH23, HEL+21, HGBK23, HCP+20, HFSL+24, HLM+20, HCX+21, HLS+23, HFP20, HFP22, JvVvHH24, JTH24, JLH+21, JMHH22, JGG23, JLV+21, JPL21, Jia21, JZHT23, JHKT+23, JSL+20, JSD+22, KiAM+20, KAMS22, KMH+21, KAB23a, KN20, KCP+23, KABL21, KWG+22a, KE24, KKF+23, KMP+23, KS22, KD20, KKH+24, Koo20b, KWG+23, KTB+21, KWP+23, KPLH24, KKPR20, LTR+24, LGFT+20, LE23, LDR+20, LFN+20, LUV+23, LLC+24, LPSF24, LKP+20, LBGD21, LBI+20, LYC+21, LJP+22, LWE+22, Lia23, LDX+23, LZW20, LCW+21, LPS+21, LWZL23, LNK+21, LYL+24, LGA20, LCMB21, MK21]. **model** [MKR20, MT23, MS20, Mat23, MHP+23, MJ24, MSML21, MLJ+23, MSLMM22, MBG+22, MTBB22, MVAD20, MOS21, MLV24, MZLRSZ21, MFF+24, MJS24, MMMS23, MPCG21, MPL+20, MPA+24, NWO21, NO23, NHGP23, NGA+20, NDNN22, NT23, NYH20, NTHC23, NMGFOB21, OFH+20, OHR+23, PBF+23, PG23, PDH+22, PFM+21, PVS+21, PSM22, PSG21, PSBE23, PDD+22, PPH+21, PTG+20, PGB+20, PMB+22, PAdS+24, PMP+21, PGdAM+20, PR22, dAPdBMT23, PM22, QZSV21, RSWS23, RCCLMGV22, RWF22, RFCEL22, RFJ+22, RBMRR20, RJY+20, RUTY23, RBEH21, RMA+24, RRSG21, RGB+23, RGB22, RBVL+20, SBS+21, SLHB+23, STQ+22, SJA+22, SSM24, SFGB23, SvV21, SBM+22, SMM+22, SWHZ22, SIOM24, mSzZK+21, SACEU+21, SHF24, SWW+23, SWP+23, SDH21, SJH+23, SNP+23, STRC24, SBWB24, SRB+20, SDP21, SBR20, SM22b, TBCV22, TBP+23, TWL+22, TLL+23, TSUY23]. **model** [TBM+24, TDI+20, TKO+22, TSBE23, TK20b, VRRI+24, VMH+21, VVH+20, VJK+23, VRS20, VSS+22, WBW+20, WRC21, WYJ+22, WHL+23, WLQ+23, WPL+23, WSW23, WSHZ24, WYBX23, WMA21, WBD+22a, WWF+23, WCSX22, WWA+22, WKL+21, XYZR21, XLS20, XCZ+20, XLM+23, YDQ+23, YRK+20, YXY+20, YLS+21, Yu20, YCI20, ZMG+21, ZYZ22, ZZZD22, ZPZ+22, ZZQ23, ZLLZ24, ZL24, ZHWZ23, ZHC23, ZGMFESD23, ZS20, dGZHCA24, dPGDdFS24, dVDC20, dFT+20, BSPT23a, BSPT23b, DBDR22, dKS22, AJG22b]. **Model-based** [KUK+21, JvVvHH24, WRC21]. **modeled** [AAR23]. **Modeling**

[AJG22a, ASHK22, AV22, ABM20, ABRG21, AVP+23, BMAME+23, BLLL21, BP21, BWCD23, CRZ+23, DTR+22, DCT+21, DAG+21, GSR+23, GM23, HHI+22, Hop23, JLV+21, JMPB24, KRMP23, KCS22, LSA+21, LSL21, LCLG20, LSS+21, LGL+24, LCM24, LDXJ22, MPSS24, MEGA21, MCB+23, NKT+20, NAM22, PK23, PBH22, PZH+21, QS23, RBLS23, RRP+23, RKN+21, RGD20, SGTS21, SPB+24, SBF+21, SCH+21, SINS22, SWP+23, SDP21, TCB21, Tsy22, VRW+21, Vas23, VLGG+20, WXH+22, WLY+23, WSW23, YFW+21, YEL+21, ZRMW+20, AGS+21, AGS+22, AHO+20, BZZT22, BdCCdSAdS23, BPL+20, CAK+23, CAH22, CKC+24, DAQ20, EOÖ21, EVHS21, ELS23, EV22, ERP21, dMFOM+20, For24, GCB+22, GSA24, HBP+21, HZ22, HPMB20, HMDO20, HSD+21, HCPG20, JZS+21, JMC+22, JM22, KKP+21, KFJS20, KLPJ24, KBAC20, LJRM+20, LBB20, LJP+22, LGA20, LUT+24, MGC24, MVC+22, NBML21]. **modeling** [NA22, PGP+22, dOPdMdS+21, Pre22, PCK+22, RMV+24, RK20, RFHR24, RFF+23, RBEC21, RBEH21, SAL+22, SLYL+20, SLC+23, SHT21, SOV21, SC21, SKH+20, TSdOCV21, WDW+22, ZOJ+23, ZL24, ZWZ+20, vdHNH+20, vdMvDSL20, AJG22b, SGTS23]. **Modell** [BS20]. **modelled** [CLW+24, GHK23, JOE23, KHH+22, KHH+24, MPPM23]. **Modelling** [ABH+20, AGP20, ABR24, BJKT21, BH21, BLL+23, BAR20, BGA22, CH22, CBW22, COJ23, CDN+23, COS23, CVTS20a, CMG20, CIL+20, CSB22, DYMD22, DMM+23, EWE20, FMSR20, GMM+24, GRGHM21, HLB+20, HES+23, KWC24, KTB+23, KHH+24, LE23, LK20, LRA+20, LBPL20, MLMI23, MAN+20, MSLM+24, MMMS23, NSS+23, NHGP23, NS20, NPK+23, NTHC23, Pas21, PEFW20, PKO+21, RPB+23, RSC+21, SBS+20, SE20a, SGP+20, SLB+20a, SGTS23, SLB20b, SPPC21, SML+20, TGRM23, VMM+21, VSK+20, WHE+24a, WWP20, WXT+20, YLLL23, ZSS20, dAWG23, vWVH20, AADHA+23, AMK21, Ano20-50, BdSG+23, BPW+21, BRC+21, BdBG+21a, BdBG+21b, BS20, CFL+22, CDNN+20, CSMP21, CN20, DTR+22, DIS23, DK22, DKM+21, DWG22, DSHB23, FSY22, FLG+23, GDF22, GGS+22, GCS+21, HKB+20, HSP+22, HHT21, HK23, KFM+23, KWM+24, KWG+22b]. **modelling** [Kos22, LG20, LQH24, LSG21, MSG21a, MSG23, MSL+21, dSMPA+22, MAD+20, MDP21, MDB+20, MTW+22, MFPIBGES23, MTT22, MSS24, MM21, NMC+20, OBFH22, PTRP23, PBS21, PMP+21, PGSL+20, RS23, RPG20, RFPRC23, dSRDC+23, RLdM20, RAC+24, SCB+20, SRTS20, SVK20, SACEU+21, SCACB23, SWF21, SGA22, SC23, TMNA20, WG21, WT20, YKZ+23, ZMS20, ZJEG24, ZLL+23, vOVvdW23]. **Models** [ECC+22, AHH22, AJ22, AMP+23, ABB23, AS22, ATP20, AFdSM23, AWW24, ALJ+22, ASKR24, ACFM22, BM22b, BM22a, BLB24b, BSCH23, BMM22, BWSS21, BLSR+20, BG22, BVR+20, CSZY+20, CSBS21, CCJK+20, CWH+21, CDB+20, CIL+20, CPTD22, dSCdA21, CKC+24, CKK+24c, DMG22, DAB+20, DRZ+24, EJ20, FDSM20, Fou21, FHP+22, GVG+23, GSH+22, GWH20, GML+20, GSM+20, GLK+22, GSMD24, HKH+23, HFSL+24, Ino22, IBB+21, IBB+22, Jag20, JJN22, JZJ+20, KWC24, Kle23, Koo24a, LL22, Laz23, LEC+23, LK24b, LPHO+20, LKO20,

MLD+23, MKS21, MGK+23, MYACC22, Mas23, MBFS21, MMRBLN20, MVAD20, MBS22, MBD+22, NGE+21, OTR+21, OHH+21, OCT+23, OHP+23, OW20, OKS+21, PGP+22, Pie23, PAB+22, PFK+22, PTNR+20, RSWS23, RRCZ20, RPT21, RRFLV+22, SdlP20, SVK20, SOV21, SKW23, SE22, STW+23, SBFBDM24, SSB22]. **models** [SGRDA+24, SDP23, Ste20, TMFV22, TQM+24, TCG+20, TGL+22, Tur20, VRS20, WHE+24a, WHE+24b, WSM24, WSL+22, WTT+21, WBD+22b, WFD23, ZZŠ+22, ZFP21, dAdSCA20]. **modern** [Ano20-49, SACE+20]. **modes** [BDC+22]. **Modified** [TLC+22, VK24, BPB+20, CMG20, LWZL23, NS20, YXY+20]. **modulate** [TRMB20, VBH20]. **module** [TGB+23]. **modules** [SWW+23, ZMF+20]. **moist** [KWP+23]. **moisture** [AJJ24, HKH+23]. **moment** [BLP20]. **Mongolia** [NWO21]. **Mongolian** [ZYM+21]. **monitoring** [JZJ+20, LL22, LM23, LGK+23, PSZ20, WDW+22, WrJP+22, Yao21]. **Monod** [WGAH22]. **monodon** [BAAN24]. **monoxide** [KKPR20]. **monsoon** [NDNN22]. **montane** [ZLL+23]. **montdorensis** [TCG+20]. **Monte** [PM22, SDH21]. **Monte-Carlo** [PM22, SDH21]. **monthly** [WHL+23]. **moose** [EBS23, KAMS22]. **morhua** [JOE23]. **Moroccan** [RKN+21]. **Morocco** [JB22, ECC+22]. **morphotypes** [GSM+20]. **Morris** [PMZ+21, dGZHCA24]. **Mortality** [PSM22, BAAN24, CAK+23, CAK+24, CDC+22, GRGHM21, HHBF24, LPS+21, MKR20, NTHC23, LPS+21]. **mosquito** [VMM+21, WRC21, WKL+21]. **mosquitoes** [BM22b, HLB+20, KWG+22a, NS20]. **most** [KDC+21]. **moth** [LGG+22, PVS+21, SBR20]. **Moths** [RBGB23]. **Motility** [SBMF23]. **motion** [RGB22, WLY+23]. **motivated** [PF23]. **mountain** [ACFM22, BGA+23, IBB+21, IBB+22, SFGB23, SKW23, SC23]. **mountainous** [ZLLZ24]. **Mountains** [WYBX23, ZZLF24, CWH+21]. **Movement** [MKS21, Pér24, ABB23, ABR24, Ano20-50, AJJ24, BLB24b, BTC+22, CDNN+20, CNNS+21, DDG+21, JSD+22, PBS21, TLL+23, TPD+24, WWF+23, dKS22]. **Movement-based** [Pér24]. **movements** [BLP20, GMM+24, Sak23, STQ+22]. **Moving** [LBN+22]. **MRIO** [XLM+23]. **MSY** [RLM23]. **Multi** [BCW+23, MTBB22, TRMB20, Ano20-50, AHO+20, BOLC+22, BGCJ21, BM21, CWH+21, EL21, GLA+20, Gat21, HHBF24, HLM+20, HK23, IBB+21, IBB+22, JVGC21, KFM+23, MP23, MTZA23, MPCG21, MSS24, NWJ+22, NAM22, OSPZ22, PBS21, RMA+24, SRÁMH+20, SWP+23, VRS20, VSS+22, WLY+23, WFW+24, XLM+23, USA21]. **multi-action** [SRÁMH+20]. **multi-agent** [WLY+23]. **multi-armed** [Gat21]. **multi-criteria** [KFM+23, MSS24]. **multi-decadal** [IBB+21, IBB+22]. **multi-dimensional** [Ano20-50]. **multi-domainal** [Ano20-50]. **multi-habitat** [BOLC+22]. **multi-host** [NWJ+22]. **multi-level** [VSS+22]. **Multi-model** [MTBB22, SWP+23]. **multi-objective** [NAM22]. **multi-parcel** [OSPZ22]. **multi-population** [EL21]. **multi-region** [XLM+23]. **Multi-scale** [TRMB20, CWH+21, HLM+20, PBS21]. **multi-scaled** [AHO+20].

multi-scenario [MP23, MTZA23, WFW+24]. **Multi-sectoral** [BCW+23]. **multi-sensor** [JVGC21]. **multi-species** [BGCJ21, BM21, MPCG21, VRS20]. **multi-state** [RMA+24]. **multi-trophic** [GLA+20, HK23]. **multi-year** [HHBF24]. **multiannual** [PMP+21]. **Multidimensional** [MFH+22, SAL+22]. **multilayer** [HNC+21]. **multilocularis** [MMMS23]. **Multimedia** [WLQ+23]. **multimodal** [FCP+20]. **multimodel** [LLLZ21]. **Multiple** [CDC+22, SGLK20, ABM20, AM21, AZBdAI23, CM21, DDL+20, GSJ+20, HCL+22, JHL23, LPD+20, MBG+22, MFF+24, MM21, WGMR23]. **multiple-objective** [WGMR23]. **multipurpose** [CXZ+23]. **multispecies** [For20, XYZR21]. **multistate** [SDP23]. **multitrait** [CP20]. **Multivariate** [ZFC+23]. **municipal** [CAS+24]. **mussel** [FDSM20, RRCZ20, SSB22, Vas23]. **mussels** [BDP+23, KWM+24, SLB20b]. **mutualism** [AM21]. **mutualisms** [DAG+21]. **mutualistic** [BDC+22, LBL22, YL22]. **my** [LJRM+20]. **mycorrhizal** [MGHT20]. **mydas** [SMV+20]. **mystery** [GDC24].

N [AAR23, BGA22, GSR+23, GSRB22, ZBH+22]. **N-fixing** [GSRB22]. **Nacella** [GSM+20]. **Nærstad** [HEL+21]. **Nanjing** [LDZ21]. **nanoflagellates** [LBPL20]. **Naples** [SBF+21]. **Narragansett** [HML+22, LUV+23]. **Narran** [LHJ+24]. **Nash** [SACE+20]. **natal** [vdMvDSL20]. **National** [ECC+22, SOV21, BST+20, PK23, PPH+21]. **native** [DP20, Ino22, KWM+24, KKF+23, MRR+20, dOPdMdS+21, SWL+23, SC23]. **Natural** [Ano20-51, SMD+20, AVP+23, BWCD23, BARF20, BDA+20, CDJ+22, CPAT20, DS24, GPN+23, KCS22, LRA+20, LGG+22, MSG+21b, MPL+20, RFCEL22, RFPRC23, TBCV22, WG21, ZPZ+22]. **naturalisation** [RPARM20]. **nature** [Ano20-50, BWCD23, CXZ+23, DYMD22, HPMB20, RLS+24, WZLC24, HPMB20]. **nature-based** [WZLC24]. **nearest** [PSZ20]. **nearest-neighbour** [PSZ20]. **necked** [KLPJ24]. **need** [AAM+22, For24, MTS+20]. **neighborhood** [QS23]. **neighbour** [BLP20, PSZ20]. **neighbour-biased** [BLP20]. **Nemopilema** [XFK21]. **Neocloeon** [KFJS20]. **neonate** [LHH+24]. **Neophocaena** [DZC+23a, DZC+23b]. **Neotropical** [PTBFP+20]. **Nepal** [AAAR23]. **nest** [VJK+23]. **nested** [WSL+22]. **nesting** [CRZ+23, GDC24]. **net** [ASHK22, ACFM22, DP20, RFdL+24, SMD+20, Yu20, ZCJ+20, RSB+23]. **Netherlands** [HSP+22, PRdN+20]. **Network** [JVGC21, LLZM20, Abe20, BLB+20, CB20, CDNN+20, DPA21, FDSM20, GCS+21, GZK+20, Jor22, LSL20, LMW+23a, LLW+21, LW23, MPC+22, MS20, MP23, PSG+22, PPSS22, dAPdBMT23, SRTS20, SZPW23, SZ20, SPV+20, XHS+24, ZWL+21, KKH+24]. **networks** [BDC+22, BANG20, CCH20, DPA21, EOÖ21, FdKO21, Gon23, GML+20, GCMU23, HMDO20, HNC+21, KMAA23, LBL22, SNM+23, SWW+23, WLWL23]. **Neural** [JVGC21, BLB+20, CCH20, MS20, PSG+22, SNM+23, SZ20]. **neutral** [EON23]. **newly** [BGA22]. **Newman** [RFHR24]. **Next** [EHS+20, MKS21]. **next-generation** [MKS21]. **nexus** [DLZ+20, NMV+23]. **NFI** [PPH+21].

Niche [Kos22, ARSC22, BMS+20, BG22, CIL+20, CYP+20, Cor20, FSY22, Fou21, HLZ+22, JS22, LLZM20, MYACC22, MMRBLN20, SBMF23, SACEU+21, SCACB23, TSdOCV21, WCF+22, ZFP21]. **Nile** [TGRM23, BGC+23, KWG+22a]. **Niño** [HSL+22]. **Niño/Southern** [HSL+22]. **Nitocra** [KD20]. **nitrate** [MKN23]. **nitrogen** [AKY+22, BCW+23, BH20, BGA22, DGVVP23, FSZ+20, FZS+20, GSR+23, KKP+21, LLLZ21, PGSL+20, RLdM20, SMM+22, Ste20, WZZF23, YG21, YZZF22, ZMF+20, ZZWF21]. **Nitrous** [AAR23, ZMF+20, ZPZ+22]. **Nitrous-oxide** [AAR23]. **no** [DS23, Koo20b, CCH20]. **no-take** [DS23]. **NoBa** [SHF24]. **nobilis** [GRGHM21, HMGK20]. **noctiluca** [EWE20]. **noise** [JSD+22, RCCLMGV22, SHF24]. **nominal** [PPSS22]. **nomurai** [XFK21]. **non** [AVP+23, CWH+21, Fer23, HI22, HSL+22, KKF+23, MOS21, vWVH20]. **non-adaptive** [AVP+23]. **non-attentional** [vWVH20]. **non-eruptive** [Fer23]. **non-independent** [HI22]. **non-invadable** [MOS21]. **non-native** [KKF+23]. **non-representative** [CWH+21]. **non-stationarity** [HSL+22]. **Nonlinear** [Vas20, ZXK+24, KWC24, MLMI23]. **nonparametric** [RFPRC23]. **nonstationary** [CKK+24b]. **nordic** [SHF24]. **Norfolk** [ZOJ+23]. **norm** [MGWG22]. **NORNE** [HGBK23]. **North** [SGTS21, SGTS23, BBCD23, NT23, PMB+22, PTNR+20, TBZ+22, ZBH+22]. **North-Western** [BBCD23]. **northeast** [CBG+22, LWL24, XLS20, DTD+23, JOE23, MSG+21b]. **Northeastern** [HLH+21, WLT+23]. **northern** [BGCJ21, SLLW21, STW+23, ZBW+24, CFG+22, RSC+21, RSC+23]. **Norway** [HEL+21]. **Novel** [LSG21, LGK+23, SSM24, BANG20, BMBB24, CAS+24, DDH+22, ILLM20, Jia21, Lef23, SBS+21, SM22b, TWL+22, WT20, ZHWZ23]. **November** [Ano20j, Ano20v, Ano21j, Ano21v, Ano22v, Ano23v]. **NPP** [XMWL23]. **Number** [CWF+21, HLS+23, WHE+24a, WHE+24b, WSM24]. **numbers** [CAB+21]. **Numerical** [IA23, AB21, CFL+22, SZL+20]. **Nunavik** [DSHB23]. **nungara** [Fou21]. **nurseries** [LLB+23]. **nutrient** [AWW24, CR24, CSM23, FWK+20, GWD+23, HCPG20, RLS+24, TGRM23, Vas20, WCG+24, YXH20, ZZŠ+22, ZWZ+20]. **nutrient-deficient** [YXH20]. **nutrient-removal** [HCPG20]. **nutrients** [BH21, RKN+21, SSJC23]. **nutritional** [LBPL20]. **Nutritionally** [CAFT22].

O [AAR23, HKSM23, ZBH+22]. **Oak** [BLB+24a, EVT+21, NYH20, PGSL+20]. **oasis** [CWY+24, CJM+23]. **Obama** [Fou21]. **OBEC** [RFHR23]. **objective** [NAM22, WGMR23, YA24]. **objectives** [DDL+20]. **observation** [CFL+22, SOV21]. **observations** [ACZ+21, LDX+23]. **observed** [BVR+20]. **obtained** [AAM+22]. **occupancy** [DL21, JJN22, SOV21, SDP23]. **occurrence** [RFCEL22, SSM24]. **occurrences** [BM22a]. **Ocean** [APGD+21, RRCZ20, ACZ+21, CBG+22, CSB22, KiAM+20, KPLH24, LHDBN20, MTL+23, NPK+23, LHH+24, NT23, dSRDC+23]. **oceanic**

[CGRR+24, KNP+21, WSFZ21]. **oceanography** [LHDBN20]. **oceans** [ZGG22]. **October** [Ano20k, Ano20w, Ano21k, Ano21w, Ano22w, Ano23w]. **ODD** [Gri20]. **ODE** [RRSG21]. **ODE-based** [RRSG21]. **Odocoileus** [KS22]. **odontocetes** [RSC+23]. **off** [BAAN24, CSCT23, CP20, KiAM+20, NO24, Pér24]. **offs** [DSC+21, JHL23, PF23]. **offset** [BLB+24a]. **offsetting** [BSM23]. **offshore** [vOVvdW23]. **oil** [HMVR21]. **oiled** [WWA+22]. **Okhotsk** [PA20]. **old** [BWCD23, KCP+23, LDZ21, YA24]. **older** [JHKT+23]. **oleae** [PVS+21]. **olgensis** [XLS20]. **oligotrophic** [ZL24]. **Oliv** [ZWL+21]. **olive** [PVS+21]. **omnivorous** [JL23]. **Oncorhynchus** [BLLL21]. **One** [PAS+22, DBK20, TCB21]. **one-dimensional** [DBK20]. **only** [GWH20, JJN22, KRM+22, MBD+22]. **Ontario** [DMdR24]. **ontogenetic** [mSzZK+21]. **open** [LGA20]. **operating** [MM21]. **operational** [DLT+22, MVC+22, PM22]. **Operationalising** [DBDR22]. **opinions** [WBD+22b]. **opportunistic** [EMH+22, TCB21, VMH+21]. **opportunities** [AGS+21, AGS+22, HL23, LSG21, MKEH20, WGMR23]. **Optimal** [BPB+20, CC20, Fer23, BSU+23, DMPLHGL20, ŁJ21, RBMRR20, VBH20]. **Optimisation** [TLH+20]. **Optimising** [DDL+20, NND+22]. **Optimization** [MTP+20, MTZA23, WCSX22, ZZQ23, CWW+23, DGVVP23, FCP+20, HBC+22, LWZL23, RK20, WGMR23, WDW+22, XHS+24]. **optimizing** [ESZ+23, NGE+21]. **option** [KMH+21]. **Orbicella** [LVM+22]. **orchard** [LBT+22]. **order** [CLHZ22]. **ordinal** [PPSS22]. **ordinary** [Wu24]. **organic** [AB21, CMSD+22, JLV+21, KBSS23, MAD+20, MLP+20, MPL+20, RFHR23]. **organisms** [FLG+23, Jia21, KKP+21]. **organization** [YEL+21]. **organizational** [Jor22]. **organizing** [EL21, LCP+20]. **oriental** [LhNA+21, LhNA+22]. **orientalis** [LhNA+21, LhNA+22]. **oriented** [CM21, PTNR+20, TPD+24]. **origin** [DLZ+20, SGRDA+24]. **ORYZA** [GSR+23, LDX+23]. **ORYZA-N** [GSR+23]. **Oscillations** [HSL+22]. **OSMOSE** [XCZ+20]. **OSMOSE-JZB** [XCZ+20]. **other** [BAAN24, MJS24, RBGB23]. **Oulujärvi** [KKH+24]. **our** [GCMU23]. **Outbreak** [HCW+22, BJKT21, DMG22, Gat20, GSC+23, STRC24]. **outbreaks** [LDS+23, MAB23, cNKF24]. **outcome** [vDC20]. **outcomes** [MKS21]. **outdoor** [CCH20]. **output** [COJ23, HFSL+24, HLM+20, XLM+23]. **outputs** [AVRC+20, CHR+23]. **over-harvesting** [PBH22]. **overall** [OMP+23]. **Overcoming** [GSMD24]. **overfitting** [RSWS23]. **overhead** [LZSQ20]. **overprediction** [MVAD20]. **Overview** [HSD+21]. **ovigerous** [HBMR24]. **oviposition** [dAWG23]. **owls** [CWH+21]. **oxidation** [KKPR20]. **oxide** [AAR23, ZMF+20, ZPZ+22]. **oxygen** [FTH24, YFW+21]. **oyster** [HLS+23, SBWB24, YEL+21]. **oysters** [LLC+24]. **ozone** [EOÖ21, WHW+23].

P [Mea20, Pas21, SDP21]. **Pacific** [HSL+22, NT23, BWS+20, dMFOM+20, GGMR20, KiAM+20]. **package** [BSS+24, CC23, GSJC22, MS23, OSH+21, RPT21, SGPSzC22, Wu24].

packages [SCACB23]. **paddy** [GSR+23, HCX+21, SMM+22]. **page** [AGS+22]. **PAHs** [XWZ+22]. **paired** [dPGDdFS24]. **Pairwise** [SPV+21, MEPJ21]. **Pakistan** [SLY+21]. **palaeoclimate** [PMB+22]. **pallida** [KRMP23]. **palm** [DIS23]. **Pan** [VRRI+24]. **Pan-Atlantic** [VRRI+24]. **panda** [DRZ+24, YDQ+23]. **pandemic** [EOÖ21]. **pandemics** [Laz23]. **Panopea** [LCMB21]. **panther** [CB20]. **paradigm** [AG22]. **paradox** [MYH+20]. **Parameter** [COPM23, CWW+23, EJ20, Mat23, MTT22, TDI+20]. **Parameter-varying** [COPM23]. **Parameterisation** [RJY+20, RRCZ20, JPMA+23, MPL+20]. **parameterization** [FCP+20, KKPR20, NT23, PTG+20, SNM+23, FZS+20]. **parameterized** [CDJ+22]. **parameters** [AS22, BGCJ21, CAK+23, CAK+24, HRW+24, HCX+21, JPL21, KAB23a, KD20, LAK20, LK24b, MSLMM22, MLP+20, PDH+22, SSM24, SC21, VN23, XCZ+20, YSIB24, dGZHCA24]. **Parametric** [AZAD+23, RFPRC23, RP22, WBD+22b]. **parasite** [EBMK20, GRGHM21, KE24, TA20]. **parasite-produced** [GRGHM21]. **parasites** [MMMS23]. **parasitic** [BPW+21]. **parasitism** [Hop23, MMC+21, Oku21, dFT+20]. **parasitoid** [BMRF21, Oku21, SE21, YKZ+23]. **parasitoids** [BRAL23, Hop23, MBR+23]. **parcel** [OSPZ22]. **park** [BBCD23]. **Part** [MLP+20, MPL+20]. **parthenogenetic** [KFJS20]. **partial** [COPM23, VMM+21]. **partially** [SGV+24]. **particle** [LWE+22, RGB22, SJH+23, WSW23]. **partitioning** [UGSG24, ZHWZ23]. **party** [PDW23]. **passive** [BVR+20, PDD+22]. **past** [BPL+20, CLW23]. **pastoral** [TBZ+22]. **Patagonia** [AM22]. **patch** [CDNN+20, FdKO21, LSL20]. **patches** [AKM22, BACS22, CAFT22, MS23]. **pathogen** [AV22, MB22, MGC24, SWL+23]. **pathway** [vdHNH+20]. **pathways** [CDN+23, GM23, MBB20]. **pattern** [ABZ22, CLHZ22, CGV22, FdKO21, FMRMAS24, HLM+20, SLC+20, TPD+24, WZLC24, XMWL23, ZHJQ23, ZBW+24]. **pattern-formation** [FMRMAS24]. **pattern-oriented** [TPD+24]. **patterning** [LCP+20]. **patterns** [CLPZ20, CDB+20, AAAR23, FHP+22, GCSlR22, LDR+20, LZF21, PKO+21, RMV+24, WZHP21, WWC+22, ZPZ+22, ZZW+22, ZLZ+24]. **payment** [BGA+23]. **PCA** [LNK+21]. **PCA-SEM-ANN** [LNK+21]. **peak** [WF24]. **Pearl** [CL21, SWP+23]. **peatland** [BST+20, RPB+23, RGD20]. **Peatlands** [BWT+24, BST+20, MLMI23]. **peculiarities** [SGRDA+24]. **pedestrianization** [ST24]. **pedology** [CM21]. **PEG** [EL21]. **Pelagia** [EWE20]. **pelagic** [ESZ+23, NT23, SLB+20a, SINS22, SZL+20, WLLW20]. **pelagicus** [RM20]. **Pelotas** [dMT23]. **Penaeus** [LGL+24]. **penguins** [Koo20a]. **per-capita** [SGA22]. **perceptive** [GLH24]. **percolation** [HFP20, HFP22]. **percolation-based** [HFP22]. **perennial** [LGK+23]. **Performance** [KTB+21, LZL22, AHH22, BSCH23, CMHZ23, CKC+24, ESZ+23, KMP+23, PTBFP+20, RM20, RRFLV+22, SC24a, SM22b, VMH+21, VRS20, XCZ+20]. **peri** [RBEC21, USA21]. **peri-urban** [RBEC21, USA21]. **period** [EOÖ21, LM23]. **periodic** [KK20]. **Periphyton** [HKH+20]. **permafrost**

[LCW+21]. **persistence** [BACS22, FdKO21, LSA+21, LJP+22, dGMCM+23]. **Persistent** [CCJK+20, LKO20, MLP+20, MPL+20]. **perspective** [CBW22, CN20, Jor22, LSL21, MJdORPG23, SE20a, SE20b, SAdA+22, WZLC24, ZZQ23]. **perturbations** [CTL22, WA20, dGZHCA24]. **pest** [BPW+21, BJKT21, JBF22, LRA+20, MJdORPG23, NGE+21, NLMM23, PVS+21, PEFW20, PSM+21, RCSS20, SSM24, YKZ+23, MTT22]. **pesticide** [BSPT23a, BSPT23b, BSU+23, MJdORPG23, PEFW20, dVDC20]. **pesticides** [PDH+22]. **PESTIPOND** [BSPT23a, BSPT23b]. **pests** [PSM+21, WGK+21]. **petraea** [EVT+21, NYH20]. **petrels** [Koo20a]. **PEWI** [CVTS20a, CVTS20b]. **PG** [NYH20, SNM+23, XLS20]. **Phasianus** [KLPJ24]. **pheasant** [KLPJ24]. **phenModel** [PGdAM+20]. **Phenological** [KFJS20, CdCAC+20, HCX+21]. **phenology** [LPHO+20, NYH20, OFH+20, PGdAM+20, VSS+22]. **phenology/voltinism** [PGdAM+20]. **phenomenological** [HFP20]. **phenomenology** [HFP22]. **philippinarum** [CMGD+22]. **philopatry** [BR22]. **phosphate** [GSJ+22]. **Phosphorus** [ADR21, AKY+22, HSJ+20, RRP+23, SLB20b, SGH+23, WPL+23, YG21, ZWZ+20]. **photography** [KKW+21]. **photoperiod** [SBR20]. **photoperiod-driven** [SBR20]. **Photosynthesis** [RSB+23, Mas23, Yu20]. **photosynthetic** [HKSM23, SGH+23, VN23]. **Phragmites** [YXY+20]. **PHREEQC** [MTT22]. **phthalic** [WLQ+23]. **phylogeny** [SPV+21]. **physical** [AZMD+22, FMH+20, GGE+23]. **physical-biogeochemical** [GGE+23]. **physics** [GRS+20]. **physiognomies** [DDDC21]. **physiological** [DPC20, LLC+24, RRSG21]. **Phytomass** [CSM23]. **Phytoplankton** [PA20, SLC+23, TSUY23, TMNA20, ACZ+21, CDJ+22, CMA23, HZ22, HMC20, MYH+20, MS20, MBFS21, OSH+21, RFCEL22, RKN+21, SINS22, Vas20, ZGG22]. **Picea** [BG22]. **pigmentation** [OSH+21]. **Pinctada** [SLYL+20]. **pine** [BdSG+23, BAZ22, EVT+21, JLH+21, ML20, SLHB+23, SWL+23, SC23, SGRDA+24, WLT+23]. **pine-hardwood** [JLH+21]. **pink** [JZJ+20]. **pink-footed** [JZJ+20]. **Pinna** [GRGHM21, HMGK20]. **pinniped** [WWP20]. **Pinus** [EVT+21]. **pioneering** [Ano20-49]. **pisha** [ZLZ+24]. **Pityogenes** [OFH+20]. **place** [CNNS+21]. **placement** [LBT+22]. **plague** [RWS+21]. **Plains** [ZFT20]. **planarian** [Fou21]. **plankton** [EL21, GWD+23, MSML21, PCK+22, RUTY23]. **plankton-fish** [RUTY23]. **planktonic** [MPPM23, MBS22]. **Planning** [MTP+20, CL21, DLT+22, MTZA23, NMV+23, RBLS23, SRÁMH+20, SACE+20]. **Plant** [LM21, RMK21, TK20a, WXT+20, dGMCM+23, AADHA+23, CGB+23, CWF+21, CSM23, DAG+21, ERP21, HLW+20, HHT21, Hop23, JBF22, KKP+21, LSA+21, MGHT20, MGC24, MPCG21, MPA+24, PSG+22, PAPŁ+23, PMP+21, QZSV21, RRP+23, SVK20, TGL+22, VPV21, WLWL23, WMA21, WTT+21, WCF+22, YL22, YLS+21, ZMS20]. **plant-animal** [WMA21]. **Plant-host** [dGMCM+23]. **plant-pest** [JBF22]. **plant-pollinator** [YL22]. **Plant-Water** [WXT+20]. **plantation** [HKSM23, LYM+23, MSG+21b]. **plantations**

[BdSG+23, SGRDA+24, XLS20]. **planted** [WXH+22]. **planthopper** [NDNN22]. **planting** [MRR+20, TBZ+22]. **plants** [KKF+23, LC20, LZL22, MT23, Mas23]. **Plastic** [NO24]. **plasticity** [JRD+22]. **plastics** [NO23]. **Plateau** [APGD+21, SZL+21, TGL+22, YLLL23, WCG+24, YJC+24, ALS+21, LWL24, WXT+20, ZPZ+22, ZYM+21]. **platform** [GDF22]. **plausible** [Koo20b]. **play** [AARS23]. **plays** [MSG21a]. **Pleuroncodes** [BAAN24]. **plume** [CMFC23]. **pluralistic** [MSG23]. **PM** [NSS+23, SBF+21]. **poaching** [NMC+20]. **point** [GSH+22, LJRM+20, MYACC22]. **points** [WSM24]. **Poland** [ZA20]. **polar** [CLW23]. **polder** [YG21]. **poleward** [LK20]. **policies** [CL21, DWG22, Fer23]. **pollination** [CAFT22, CSCT23, JSL+20, PTRP23, PDGB21, SJA+22, SPV+20, SPV+21]. **pollinator** [WLWL23, YL22]. **pollinator-plant-consumer** [WLWL23]. **pollinators** [RMK21]. **pollutants** [MLP+20, MPL+20]. **polluting** [DGVVP23]. **pollution** [BH21, DBK20, KHS+23, ZZZD22]. **polyactis** [RJY+20]. **polychaete** [GLA+20]. **polycyclic** [ZYZ22]. **Polynesia** [RMV+24]. **Pommerening** [Mea20]. **pond** [YFW+21]. **ponds** [BSPT23a, BSPT23b, BGR20, NBML21]. **Pontederia** [XGT+24]. **pool** [CM21]. **pooling** [PSG+22]. **pools** [SGP+20]. **poor** [AMP+23]. **Pop** [HBMR24]. **Pop-up** [HBMR24]. **poplar** [CSZY+20]. **Population** [MMC+21, TTPA21, VVH+20, XFK21, YKZ+23, AVP+23, APGD+21, BOLC+22, BMM22, CMGD+22, CCJK+20, CLH23, CP20, CAB+21, Dav22, DKM+21, DRZ+24, EL21, EVHS21, FCFCM24, Fer23, FC21, GCB+22, GZ23, HKG+24, Hop23, JLLS23, JZJ+20, JASW23, KAMS22, KRM+22, KLA+20, Koo24a, KLNMG22, LP22, LHL22, LGA+21, LKO20, LSG21, LGK+23, LCMB21, MCB+23, NS20, NGA+20, NGE+21, NLMM23, NBMD21, Oku21, OCT+23, PDH+22, PSM22, PSG21, RCCLMGV22, RUTY23, RMA+24, SE21, SE22, STW+23, SDP23, SLC+20, SBR20, TK20a, TRMB20, Uch23, VSK+20, WZWF20, WGAH22, WLZ+23a, WFD23, Yao21, dGMCM+23]. **populations** [APF21, BGS+20, CRZ+23, COPM23, FSZ+20, FZS+20, GSJ+20, KS22, KK20, KHH+22, KHH+24, KLPJ24, LSA+21, LBI+20, LGA+21, MGC24, OSH+21, PEFW20, RM20, RCSS20, SDD+20, SLB+23, SMS+24, dVDC20]. **porewater** [ZRMW+20]. **porosity** [IA23]. **porpoise** [DZC+23a, DZC+23b, HSF+20, WSL+22]. **portfolio** [SACE+20]. **portraying** [RGB22]. **position** [LM23]. **positions** [Sak23]. **positive** [DMG22, WLWL23, ZWZ+20]. **possible** [CSMP21, LLZM20, MSG21a, PR21]. **post** [DWH+21, OHP+23, vdMvDSL20, GGMR20]. **post-ENSO** [GGMR20]. **post-exposure** [DWH+21]. **post-fire** [OHP+23]. **post-natal** [vdMvDSL20]. **postfire** [LM23]. **potato** [DTR+22, DGVVP23, HEL+21, KBSS23, TBZ+22, OHH+21]. **Potential** [DTR+22, HCW+22, LhNA+21, MRR+20, AFdSM23, BGC+23, BS20, BWCD23, CNSK21, CAS+24, CN20, DCT+21, DTD+23, DL21, GLA+20,

LUV+23, LLC+24, LDXJ22, MEGA21, MTBB22, MGC24, MLV24, NA22, PK23, PDGB21, RMO22, SD24, SBFBDM24, YCK20, vOVvdW23, LhNA+22]. **potentially** [PAPŁ+23]. **Power** [KLS20, UGSG24]. **Power-law** [KLS20]. **Poyang** [HSF+20, MFH+22]. **Practice** [Ano20-51, BM22b, LSG21, ZJEG24]. **practices** [BCMV20, TLC+22, TCS21, YLLL23]. **Prays** [PVS+21]. **pre** [LDC+20]. **pre-processing** [LDC+20]. **Precipitation** [WXT+20, LM21, LWL24]. **precision** [KKF+23, YHC+21]. **precocial** [CC20]. **Predation** [dKS22, BACS22, BAAN24, CKC20, LK20, MAN+20, SM22a, VVH+20, vWVH20]. **predator** [dSCdA21, KKH+24, MAN+20, MF20, MMMS23, PHK23, SGP+20, SQDM21, TCG+20, dAdSCA20]. **predator-prey** [MMMS23]. **predators** [BSE21, PBH22]. **predatory** [TCG+20]. **predict** [AE22, BdCCdSAdS23, CdCAC+20, CYP+20, Cor20, DVVH21, FEPR24, GCB+22, JPL21, Jia21, KLNMG22, MAGR+22, RFCEL22]. **Predictability** [BH20]. **predictable** [DEMJ24]. **predicted** [FS22]. **Predicting** [AADHA+23, FHP+22, HKB+20, HSJ+20, HMDO20, LLC+24, LVM+22, dSMPA+22, NA22, SDD+20, SMM+22, VVH+20, WSN+21, vdMvDSL20, FG21, KTB+21, LWE+22, MKS21, STQ+22, Ste20, SPV+21, VJK+23, ZLL+23]. **prediction** [CMSD+22, GWH20, LJP+22, LLLZ21, LDX+23, LNK+21, dRMJdS23, SZ20, SWP+23, WrJP+22, XZZ+22]. **predictions** [ABC+22, EVHS21, For20, HKY24, HRW+24, JJN22]. **predictive** [CKC+24, EJ20, JLH+21, KMP+23, RRFLV+22, SC24a, TDI+20, VRS20, YCI20]. **predicts** [WWA+22]. **predominantly** [KHR23, PR23]. **preference** [DZC+23a, DZC+23b]. **Preferences** [BBCD23, BAM23, DDL+20, PTNR+20, VRS20]. **preferential** [AFG24]. **PRELES** [KWP+23]. **Preparing** [MAB23]. **Presence** [GWH20, CIL+20, HBP+21, JJN22, KRM+22, WSM24]. **presence-background** [WSM24]. **Presence-only** [GWH20, JJN22, KRM+22]. **present** [XGT+24]. **Preservation** [DS21]. **preserving** [AM22]. **pressure** [DSC+21, GJC+20]. **prevalence** [GWH20, MSG23, MDT+23]. **prevent** [GRCSA+20]. **prevention** [BJKT21, GZK+20]. **prey** [BSE21, CLH23, dSCdA21, MAN+20, MF20, MMMS23, NPK+23, PHK23, SGP+20, SQDM21, SWL+23, TCG+20, dKS22, dAdSCA20]. **prey-predator** [SGP+20]. **price** [CLY+23, UGSG24]. **primary** [DP20, GAC+21, GLK+22, GZD+23, HMC20, HCX+21, KUK+21, KWP+23, MS20, MBFS21, RFdL+24, SDP21, TSUY23, Yu20, ZCJ+20, ZZLF24]. **principle** [HCL+22]. **principles** [BPN+20]. **prior** [BWS+20, TTPA21, VRS20]. **prioritization** [HPMB20]. **prioritizing** [MS23, RBLS23]. **Priority** [PAS+22]. **probabilistic** [DBH+22]. **probabilities** [DMM+23]. **probability** [LDS+23, MDT+23]. **probability-** [MDT+23]. **problem** [LKO20, FSZ+20]. **problems** [CCJK+20, LCLG20, PAS+22, TK20b]. **procedure** [EJ20, PEFW20]. **procedures** [FHP+22]. **Process** [Por21, AZAD+23, BdSG+23, CAK+24,

GSH+22, HSJ+20, HEL+21, HGBK23, HCPG20, KTB+21, LJRM+20, LCW+21, MYACC22, MPCG21, NWO21, NO23, OKS+21, PTNR+20, TQM+24, TSUY23, TPD+24, VSS+22, WGK+21, ZPZ+22]. **process-based** [BdSG+23, CAK+24, HEL+21, HGBK23, HCPG20, KTB+21, LCW+21, MPCG21, NWO21, NO23, OKS+21, TSUY23, VSS+22, ZPZ+22]. **process-explicit** [TPD+24]. **process-guided** [HSJ+20]. **process-oriented** [PTNR+20]. **Processes** [YHC+21, AJG22a, AJG22b, EL21, FFM+23, FHP+22, HKY24, LCW+21, MTW+22, MM21, NTHC23, QZSV21, SHT21, TRMB20, Tsy22, WTT+21]. **processing** [LDC+20]. **produce** [NAM22]. **produced** [GRGHM21]. **producer** [KWG+22b]. **producer-grazer** [KWG+22b]. **produces** [Sak23]. **Production** [LUV+23, TLH+20, ZZQ23, AAM+22, AAC20, BLLL21, CMKF22, CDN+23, CMHZ23, DTR+22, DP20, ESCA22, EGAS23, GSR+23, GLK+22, HMC20, HCX+21, KUK+21, LYM+23, MTS+20, MS20, MBFS21, MEGA21, MGdM+20, NGA+24, NBMD21, OZSU22, PAdS+24, SLY+21, SMD+20, SDP21, TBP+23, TSUY23, TKO+22, WGMR23, XLS20, ZBH+22, vOVvdW23]. **production-crop** [LYM+23]. **Production-Living-Ecological** [ZZQ23]. **Productivity** [LB21, SGRDA+24, CGRR+24, CSM23, GZD+23, HCP+20, KDH+21, KWP+23, MPA+24, NYH20, QS23, WHW+23, RFdL+24, SE20a, SE20b, SHT21, TSUY23, WLT+23, YSIB24, Yu20, ZCJ+20, ZZLF24]. **Productivity-environment** [SGRDA+24]. **products** [ACZ+21, MLV24]. **profiles** [EMH+22]. **profiling** [MGK+23]. **ProForM** [SFGB23]. **program** [HSD+21]. **Programming** [BM21, NMV+23, NAM22, SRÁMH+20]. **programs** [JZJ+20]. **progress** [WZZF23, ZZWF21]. **project** [DBV+22, XZZ+22]. **Projected** [ZFT20]. **Projecting** [SLLW21, YPS+21, APF21, MKB+24]. **projection** [CP20, KK20, PSBE23, PFK+22, TK20a, ZLLZ24, ZXK+24]. **Projections** [KNP+21, TTPA21]. **projects** [DYW+22]. **prolifera** [SRB+20]. **promote** [LGG+22]. **promotes** [AM21, ZL24]. **Promoting** [LYM+23, HL23, Yao21, BCMV20]. **prone** [ABRG21, KT22, SD24]. **Proof** [BRBT22]. **Proof-of-concept** [BRBT22]. **propagation** [KWG+23]. **propagules** [LBB20]. **properties** [IA23, JRD+22]. **proposal** [RFHR23]. **Prorocentrum** [SGH+23]. **prospect** [DLZ+20]. **prospective** [BH21]. **protected** [AADHA+23, GMS+23, SvV21]. **protection** [HWS+23, SFGB23, ZYK22]. **protocol** [Gri20, PAB+22]. **protozoa** [JZS+21]. **provide** [HBMR24]. **Province** [AAM+22, KHS+23, LZSQ20, MDB+20, ENARM+23, ZSS21, ZLML20]. **provincial** [PK23, SLY+21]. **provincial-scale** [SLY+21]. **provision** [MEGA21]. **provisioning** [PTRP23]. **pseudoharengus** [NGA+20]. **PSR** [RS23]. **pteropods** [EV22]. **public** [CVTS20a, CVTS20b]. **Publishing** [Mea20, Pas21]. **pullout** [JZHT23]. **pulses** [MB22]. **Puma** [CB20]. **PVA** [LBGD21]. **Python** [LQH24]. **Python-based** [LQH24].

Q [MBMV20]. **Qazvin** [DYMD22]. **Qinghai**

[ALS+21, LWL24, Yu20, YJC+24, ZPZ+22]. **Qinling** [WYBX23]. **Qinzhou** [HLS+23]. **QtAC** [SGPSzC22]. **qualitative** [FDSM20, HKB+20, RBEC21, ZBW+24]. **qualitatively** [CLPZ20]. **quality** [BZZT22, BM22b, BLLL21, BAM23, CC23, nCLpW+23, ELS23, EMH+22, HCP+20, KLNMG22, MSL+21, MPA+24, Pie23, SBF+21, SC21, VMH+21]. **Quantification** [HLW+20]. **quantify** [DYW+22, Jia21, TBP+23, WWF+23]. **Quantifying** [AG22, HCPG20, KBSS23, LGA+21, OMP+23, RSWS23, SMP20, SGA22, TQM+24, TKO+22, PAS23, PRdN+20, SRB+20]. **Quantitative** [Ino22, vdHNH+20, CAH22, For20, PSW22]. **quantitatively** [CLPZ20]. **quantities** [LCMB21]. **quantization** [MBS22]. **Quanzhou** [LZL23]. **Quebec** [MTBB22, RPB+23]. **Quercus** [EVT+21, NYH20]. **questions** [JTH24]. **quick** [Tur20]. **quick-start** [Tur20]. **QWASI** [WLQ+23].

R [BSS+24, CC23, GSJC22, MS23, OSH+21, SGPSzC22, SCACB23, Wu24]. **R-package** [SGPSzC22]. **Rabies** [TLL+23]. **radiation** [DWH+21, VSK+20, YXH20, ZL24]. **rafts** [HLS+23]. **rainfall** [dSBDH23, FS22]. **rainfed** [TKO+22]. **rainforest** [AHO+20]. **ramp** [NPS+23]. **Random** [KAB23a, PDD+22, SOV21, ABB23, AP22, BMB24, DMG22, DMM+23, MLL20, CKC+24]. **randomly** [TK20a]. **range** [FMRMAS24, KKW+21, LK20, RBLS23]. **range-wide** [RBLS23]. **rangeland** [CPAT20, FS22, RS23]. **rangelands** [AJG22a, AJG22b]. **ranging** [DGSM21, TBM+24]. **ranked** [PPSS22]. **ranking** [EJ20, ILLM20, PMZ+21]. **Raoiella** [AFdSM23]. **raphidophytes** [SIOM24]. **rapid** [YZZF22, ZGG22]. **raptor** [STQ+22]. **rare** [DTD+23, TTPA21]. **rate** [CYP+20, Cor20, DGVVP23, DP20, JLLS23, KN20, LK24a, PTF23, SE20a, SE20b, XJW21]. **rates** [APF21, CDT+23, HFP22, JST+22, KABL21, RWF22]. **ratio** [MGWG22, WZWF20, ZFC+23]. **ration** [DMPLHGL20]. **rational** [GSC+23]. **ratios** [CDJ+22]. **ray** [ZL24]. **Re** [SdlP20, AG22, KKH+24]. **re-analysis** [AG22]. **re-establishment** [KKH+24]. **Re-scaling** [SdlP20]. **reaches** [XMWL23]. **reaction** [FMRMAS24, MGWG22, RBEH21]. **reactive** [ZZWF21]. **reading** [RFHR24]. **real** [LJP+22, PAS+22, RGB22, SJA+22]. **real-time** [LJP+22]. **realism** [KHH+22, KHH+24]. **realistic** [PCK+22]. **Realities** [Por21]. **really** [KHR23]. **reanalysis** [CBG+22]. **recapture** [DMM+23]. **recharged** [WLQ+23]. **Rechna** [AIA+23]. **reclaimed** [WLQ+23]. **recommendations** [BM22b, EMH+22, HSD+21]. **Reconciling** [MGdM+20]. **Reconsiderations** [GSRB22]. **Reconsidering** [UGSG24]. **Reconstructing** [SLB+23, ZZW+22]. **reconversion** [BGA+23]. **Recovery** [HHI+22, GCB+22, GCS+21, MHP+23, SWL+23]. **recreation** [GCS+21]. **recreational** [WBW+20]. **recruitment** [AJ22, PYD+21a, PYD+21b]. **recycling** [AWW24]. **Red** [MSG21a, VSK+20, BG22, MVC+22]. **reduce** [CAB+21, CDC+22, Koo24a]. **reduced** [BSS+24, VRW+21]. **reduced-impact** [BSS+24]. **Reducing** [TBZ+22, DGVVP23]. **reduction** [Che21, CAK+23, HWS+23, MKR20, Pre22]. **reed** [YXY+20]. **reef**

[GGMR20, SBWB24, YEL+21, ABR24]. **reefs** [CN20, DLY+22, MAB23]. **reference** [CSM23]. **refining** [CB20]. **reflect** [TLC+22]. **Reflections** [WG21]. **reforestation** [SAL+22]. **Reformulation** [RCSS20]. **regarding** [RFHR23, VRS20]. **regeneration** [BLB+24a, QZSV21]. **regime** [GWD+23, LDXJ22, WCG+24]. **regimes** [AADHA+23, AACCIS20, LM21]. **region** [AZMD+22, BS20, EGAS23, LZF21, LW23, MEGA21, dRMJdS23, NO24, PZH+21, SD24, SM22b, TLH+20, WFW+24, XLM+23, Yu20, ZLLZ24, COS23, SLLW21]. **regional** [BLL+23, ERP21, KMH+21, KTB+21, OZSU22, RMV+24, RFCEL22, WYBX23, WKL+21, ZA20]. **regions** [AMK21, BMB24, BCMV20, CDN+23, GVG+23, GSR+23, GLK+22, LMW+23a, MPSS24, NWO21, WFW+24]. **regression** [JPL21, YCI20]. **Regular** [SLC+20]. **regulated** [BS21]. **regulates** [SLC+20]. **regulating** [GMS+23]. **regulation** [BMB21, RGB22, SBF+21]. **regulations** [PGB+20]. **reinforcement** [SZL+21, WLY+23]. **relascope** [PSW22]. **related** [Kos22, LE23, MKB+24, TKO+22, WTT+21, YSIB24, ZZŠ+22]. **relationship** [CLPZ20, CLY+23, LZL23, LK24b, MZLRSZ21, WLWL23, dMT23]. **relationships** [CKK+24a, CKK+24b, Vas20]. **Relative** [EL21, QZSV21, SDP23, WBD+22b]. **relay** [DDH+22]. **release** [HLB+20, Lov24, ZWZ+20]. **relevance** [Fer23]. **relevant** [GCSlR22]. **reliability** [dGZHCA24]. **relictus** [ILLM20]. **reload** [GRS+20]. **remnant** [GMS+23]. **remote** [AMP+23, ACFM22, DIS23, HGBK23, HMDO20, ILLM20, KCHZ21, Lia23, SNP+23]. **removal** [HKH+20, HCPG20, NSS+23, RGD+22, SBF+21]. **renewable** [HWS+23]. **renewal** [LDZ21]. **reoligotrophication** [KUK+21]. **repeat** [KKW+21]. **replace** [AAM+22]. **replacement** [SIOM24]. **Report** [PKB+23]. **reporting** [BST+20, DLT+22]. **represent** [GSMD24]. **representation** [ASKR24, KBAC20, SDSP+21, WGK+21]. **representative** [CWH+21]. **Representing** [BA20]. **reproducible** [LGA20]. **reproduction** [APF21, DWH+21, KK20, MSG21a, MSG23, RTH+21, SGLK20, SMV+20, TBP+23, WHE+24a, WHE+24b]. **require** [BM22a, Pér24]. **requires** [PCK+22, YL22]. **Research** [WZZF23, ZZWF21, BZZT22, DK22, Fat21, LWZL23, MS23, ZJEG24]. **reserve** [CTL22, GMS+23, WST+23]. **reserves** [DS23]. **Reservoir** [XWX+24, BdCCdSAdS23, DAQ20, MKN23, ZMG+21, LYZ+24]. **reservoirs** [SC21, SZ20, Ste20]. **residencies** [BVR+20]. **resident** [MGHT20]. **residential** [IA23]. **residents** [YZZF22]. **residue** [TGB+23]. **residues** [DCT+21, MEGA21]. **Resilience** [KMAA23, DBDR22, HSP+22, JST+22, JRD+22, RS23, RLM23, RGRMRR20, SLC+23, SBM+22]. **resistance** [BSU+23, Hop23, WXH+22, dVDC20]. **resolution** [AMP+23, ACZ+21, BRC+21, CJM+23, CDB+20, ESZ+23, LBGD21, RSB+23]. **resolutions** [ATP20]. **resolved** [CGRR+24, DMGP20]. **resolves** [HES+20, HES+23]. **Resource** [AWW24, LL22, YA24, BAAN24, CBSB23, GLH24, HLW+20, KN20, Lia23, PF23, RK20, RLS+24, TPD+24, TK20b, WGAH22].

Resource-based [AWW24, WGAH22]. **Resources** [Ano20-51, BNAR+21, CSM23, CDNN+20, RK20, ZA20]. **Respiration** [RSB+23, AG22, TDI+20]. **respond** [RLdM20]. **responding** [LCP+20]. **Response** [BPL+20, NBU+23, Por21, RFHR24, YCK20, BS21, BA20, BMBB24, FTH24, GSJ+22, GGE+23, HSL+22, JOE23, LAK+23, LE23, OHR+23, PR22, RGB22, SQDM21, TRMB20, ZFT20, ZZŠ+22, dAdSCA20]. **responses** [Che22, FWK+20, KWC24, LJP+22, SRK+20, WZLC24, WSN+21]. **resprout** [ABRG21]. **restoration** [LLC+24, LVM+22, ZRMW+20]. **restore** [YA24]. **restored** [CWF+21, WCF+22]. **restoring** [OHP+23, SDD+20]. **RESTREND** [ZYM+21]. **RESTREND-based** [ZYM+21]. **result** [RFHR24, SWL+23]. **resulting** [SAdA+22, ZOJ+23]. **Results** [MKR20, KCHZ21, ZFT20]. **retention** [Ste20, TGRM23]. **retrospective** [LM23]. **reveal** [CTL22, PR21]. **Revealed** [BBCD23, EL21, TSUY23]. **reveals** [CP20, SPV+20, SBR20, TLL+23, WGMR23]. **reverse** [CLHZ22]. **Review** [FLG+23, WYJ+22, ABM20, BZZT22, DRZ+24, KAB23a, Laz23, MMRBLN20, OKS+21, dSRDC+23, SDH21, TGL+22, WGAH22]. **reviews** [Fat21]. **revised** [PTG+20]. **Revisiting** [Jag20, MPL+20, RRFLV+22]. **Revolutionising** [ABKA24]. **rheophilic** [LWE+22]. **rheophilic-spawning** [LWE+22]. **Rhode** [LUV+23]. **Rican** [AHO+20]. **Rice** [PSG+22, BMAME+23, ENARM+23, GSR+23, HCX+21, MVC+22, NDNN22, SMM+22, TKO+22]. **rich** [CAFT22, SM22a]. **richness** [MAGR+22, VPV21, YB22]. **ricinus** [WBD+22b]. **RIDL** [NS20]. **ridley** [SPB+24]. **Riera** [NBU+23]. **right** [WHdBB21]. **rights** [nCLpW+23]. **Rim** [YD20]. **ring** [KLPJ24]. **ring-necked** [KLPJ24]. **rise** [PR22]. **risk** [CB20, CDC+22, AAAR23, For24, FLG+23, GZK+20, HP20, HEL+21, JOE23, LBI+20, LYZ+24, LDS+23, LLW+21, Oku21, TLL+23, TCB21, WLQ+23]. **River** [CWY+24, CL21, DZC+23a, DZC+23b, JASW23, MP23, SWP+23, TGRM23, WLZ+23a, ZGMFESD23, BS21, CFL+22, KWM+24, KSJ22, LDC+20, RBLS23, SRTS20, SD24, XHS+24, Yao21, BH21, nCLpW+23, GJC+20, JHL23, MBB20, TLH+20, XZZ+22, XMWL23]. **riverine** [CSBS21, JASW23, LBI+20, MBG+22]. **rivers** [KWM+24, LWE+22, LEC+23, SJH+23]. **Road** [LMW+23a]. **roadmap** [RFHR24]. **robur** [EVT+21]. **Robust** [DTD+23]. **robusta** [KTB+21]. **Robustness** [LSL20, LBL22, MP23]. **rocky** [SBS+20, CWH+21]. **rocky-shore** [SBS+20]. **rodent** [KWC24]. **rodents** [Fer23]. **role** [BDC+22, FSY22, JSL+20, LTR+24, MSG21a, PSM+21, SRTS20, TA20]. **roles** [EL21, RSC+21]. **Romagna** [MEGA21]. **roofs** [MKR20]. **rookeries** [LHH+24]. **root** [AG22, HFP20, HFP22, JZHT23, JMC+22, PMP+21, SZL+21, YLS+21]. **root-soil** [HFP20, HFP22]. **roots** [YSIB24]. **rotation** [GAMN+23, XLS20]. **Rothamsted** [JLV+21]. **roughness** [HLS+23]. **route** [KTB+23]. **routes** [NPS+23, PTD+23, SGV+24]. **Rpath** [LGA20, WA20]. **RS** [SD24]. **rubens** [BG22]. **Ruditapes** [CMGD+22]. **ruminant** [MDB+20]. **run** [BLLL21].

runoff [NA22]. **rural** [CNSK21, HCPG20, JLLS23, MFPIBGES23, YZZF22]. **rust** [CGB+23]. **Rwanda** [GVG+23].

S [CDJ+22, FSZ+20, FZS+20, KMP+23, COS23]. **Sable** [HBP+21]. **Saccharina** [VLGG+20]. **Sacramento** [BLLL21]. **sacrorum** [SZL+21]. **safe** [DP20]. **safeguarding** [XCH+21]. **sage** [OHP+23]. **sage-grouse** [OHP+23]. **saira** [KiAM+20]. **sal** [KWP+23]. **Salicornia** [PAPŁ+23]. **salinity** [LYC+21, TSBE23, YSFX23, ZRMW+20]. **Salish** [KNP+21]. **salmon** [BLLL21, HP20, MBB20, WDW+22]. **salmonid** [MM21]. **salmonids** [MM21, SJH+23]. **sample** [GWH20, MDT+23]. **sampled** [MGK+23]. **samples** [JM22, RGD+22]. **Sampling** [PSW22, AFG24, CWH+21, MDT+23, RAC+24, VPV21]. **sanctioning** [LL22]. **sand** [SWF21]. **sandstone** [ZLZ+24]. **Sanggou** [FMH+20]. **sapidus** [CMFC23]. **saplings** [BLB+24a]. **sardine** [HMVR21, PYD+21a, PYD+21b]. **Sardinella** [HMVR21, PYD+21a, PYD+21b]. **SARS** [CYP+20, Cor20]. **SARS-CoV-2** [CYP+20, Cor20]. **satellite** [CSZY+20, HBMR24]. **saturation** [dSCdA21]. **saury** [KiAM+20]. **savanna** [ABRG21, DDG+21, DDDC21, MMdP+21, dRMJdS23, YCK20]. **savannahs** [MTW+22]. **savannas** [WMA21]. **saved** [SCH+21]. **Scale** [BHC22, YB22, AJ22, BLL+23, CBW22, CLPZ20, CSM23, CXZ+23, CWH+21, CYP+20, Cor20, CKK+24c, FWK+20, FFM+23, GMM+24, HBP+21, HAZEF23, HLM+20, JSD+22, KTB+23, KKF+23, Kos22, KTB+21, MAGR+22, MBG+22, PDGB21, PBS21, PMP+21, PCK+22, STQ+22, SdlP20, SLY+21, SKW23, TLL+23, TRMB20, VPV21]. **Scale-dependent** [BHC22, YB22]. **scaled** [AHO+20]. **scales** [ATP20, BAR20, DKM+21, KMH+21, MKS21, MM21, OZSU22, PTRP23, RLM23]. **scaling** [SdlP20, XJW21]. **scarce** [GSRB22, MJ24]. **scarcity** [DYMD22, RSASP22]. **scavenger** [KHR23, PR23]. **Scavengers** [PR21]. **scenario** [DSC+21, MP23, MTZA23, WFW+24]. **scenario-based** [DSC+21]. **scenarios** [BOLC+22, JHL23, MTBB22, MSS24, SBM+22, SMV+20]. **scene** [TWL+22]. **scheme** [VPV21]. **schemes** [BJKT21]. **Schichaa** [TCG+20]. **school** [dKS22]. **schooling** [WLY+23, dKS22]. **science** [DK22, EMH+22, JMM+20, KRM+22, LJRM+20, VMH+21, ZJEG24]. **scope** [OHP+23, YYS+22]. **Scotland** [CKK+24a]. **Scots** [ML20, SGRDA+24]. **Scottish** [CKC+24, CKK+24c]. **screening** [PMZ+21, dGZHCA24]. **scrofa** [KT22]. **SDM** [LJRM+20, MGK+23]. **SDMs** [MDT+23]. **Sea** [RSC+21, RSC+23, SRB+20, AJ22, APGD+21, CRZ+23, EVHS21, GMM+24, GGMR20, LHH+24, LHDBN20, LBB20, MM21, PTD+23, PR22, RM20, SPB+24, WBW+20, WBD+22a, BNN20, EWE20, GSJ+20, KNP+21, NHGP23, OCT+23, PA20, PTNR+20, SGTS21, SGTS23, SRK+20]. **seabass** [DHW+20]. **seabird** [ARSC22]. **seabream** [DTD+23]. **seagrass** [LTR+24, PR22]. **seagrasses** [VN23]. **Seamlessly** [LZW20]. **Searching** [BWSS21, CBSB23]. **seas** [SHF24]. **SEAS5** [NLMM23]. **Seaside** [HBP+21]. **season** [DZC+23a, DZC+23b, HGBK23, LZD+24]. **Seasonal**

[NLMM23, ZWZ+20, BMB21, DMdR24, HMVR21, HKSM23, KABL21, SSM24, SIOM24, STW+23, WHL+23, XYZR21, ZS20]. **Seasonality** [MPPM23, NWJ+22, MMC+21]. **seasons** [CRZ+23, GDC24]. **seaweed** [FMH+20, LUV+23, WT20, vOVvdW23]. **seaweeds** [vOVvdW23]. **secondary** [CGV22]. **section** [LDC+20, XHS+24]. **sectional** [RAC+24]. **Sector** [XLM+23]. **sectoral** [BCW+23]. **security** [GHbS21, LPA+21, LYL+24, WZLC24, ZHJQ23, ZHC23]. **sediment** [HKH+20, LCLG20, NA22, SBMF23, TGRM23, WPL+23, ZWZ+20]. **sediment-inhabiting** [SBMF23]. **sediment-water** [WPL+23]. **Seed** [LKO20, CGV22, WSW23]. **SEEMS** [CXZ+23]. **segregation** [Kos22]. **Segura** [ZGMFESD23]. **SEIB** [VK24]. **SEIB-DGVM** [VK24]. **SEIR** [BGC+23]. **SEIR-Metapopulation** [BGC+23]. **select** [VPV21]. **Selecting** [BMM22]. **Selection** [BS20, ŁJ21, SC24a, SM20, WWF+23, WT20, dVDC20]. **Selective** [ZGG22, BSS+24, BACS22, BdBG+21a, BdBG+21b, NK23]. **Self** [LHL22, AVP+23, EL21, GSH+22, KBAC20, LCP+20, PF23, YEL+21]. **self-compatibility** [AVP+23]. **self-exciting** [GSH+22]. **self-fouling** [PF23]. **Self-healing** [LHL22]. **self-organization** [YEL+21]. **self-organizing** [EL21, LCP+20]. **self-shading** [KBAC20]. **SEM** [LNK+21]. **semantic** [PTRP23]. **semelparous** [TK20a]. **Semi** [AZMD+22, BGA22, FS22, KWP+23, LHJ+24, MPSS24, NWO21, PAdS+24, WFW+24]. **semi-arid** [FS22, LHJ+24, MPSS24, NWO21, PAdS+24, WFW+24]. **semi-mechanistic** [BGA22]. **semiarid** [PGSL+20]. **sensing** [AMP+23, ACFM22, DIS23, HGBK23, ILLM20, LDR+20, Lia23, SNP+23]. **sensitive** [GWH20, PMB+22]. **Sensitivity** [CGVC21, FEPR24, HLH+21, MLP+20, OFH+20, PMZ+21, RGB+23, SC21, WSHZ24, WXT+20, WLT+23, YSIB24, vDC20, BGCJ21, BLSR+20, DMdR24, HRW+24, HEL+21, Mat23, PFM+21, RS23, TGB+23, TK20b, WA20, XHS+24, dGZHCA24]. **sensor** [JVGC21]. **sensors** [HKH+23]. **Sentinel** [CSZY+20]. **Sentinel-2** [CSZY+20]. **Separating** [GSH+22]. **September** [Ano20l, Ano20x, Ano21l, Ano21x, Ano22x, Ano23x]. **Sequential** [SDH21, WST+23]. **sequestration** [MTBB22, RMO22, WZLC24]. **series** [DMG22, LCP+20]. **service** [CVTS20a, CVTS20b, GZW+20, JSL+20, MEGA21, MTZA23, PTRP23, PDGB21]. **services** [ABM20, BGA+23, BDA+20, CAFT22, CL21, CLY+23, GMS+23, GSA24, JHL23, LL21, LZL23, LPD+20, PGP+22, PRdN+20, SJA+22, WFW+24, XCH+21, YPS+21, ZHC23]. **sessile** [NYH20]. **set** [LBT+22]. **sets** [BS20]. **settlement** [SC24b]. **several** [GLK+22]. **severity** [AB21]. **sewage** [LZL22]. **sex** [MGWG22, WZWF20]. **sexual** [MSG21a, MSG23]. **sexualization** [MGWG22]. **Shaanxi** [LZSQ20]. **shad** [PSBE23]. **shading** [GZW+20, KBAC20]. **shallow** [WPL+23, WCG+24, YXY+20]. **Shandong** [LGL+24]. **shape** [CIL+20]. **shape-constrained** [CIL+20]. **shaped** [LPL22a, dKS22]. **shared** [SWL+23]. **sharing** [ZL24]. **shark** [KCHZ21]. **shawi** [ZMG+21]. **sheep** [DGSM21]. **shelf** [SPB+24, PTG+20]. **shelled** [EV22]. **shellfish** [GMM20, LUV+23, PGB+20]. **shift**

[LhNA+21, LhNA+22, LDXJ22, WCG+24, dGMCM+23]. **shifts** [LVM+22, NHGP23]. **shikokuense** [SGH+23]. **shocks** [JST+22]. **shore** [SBS+20]. **shoreline** [MSL+21]. **short** [BP21, EVHS21, JvVvHH24, LCP+20, LGK+23, SZ20]. **short-lived** [LGK+23]. **short-term** [EVHS21, JvVvHH24]. **short-time** [LCP+20]. **should** [RAB21]. **shows** [GGMR20, SG20]. **shrimp** [dMFOM+20, LGL+24, RWF22]. **shrub** [ALS+21]. **shrub-meadow** [ALS+21]. **Siberia** [GHK23]. **sickness** [Gat20]. **SIF** [YYS+22]. **sightings** [WWP20]. **sigmoidal** [PCN+23]. **sign** [WSFZ21]. **signal** [GSH+22]. **significantly** [CAFT22]. **silico** [PNGESS21, dFT+20, FCFCM24, PSM+21]. **silver** [SKW23]. **similar** [ML20]. **simple** [JMHH22, MM21, TDI+20]. **simplification** [AIA+23]. **simplified** [Jag20]. **Simplifying** [CGVC21]. **SIMREG** [PPH+21]. **simulate** [BSS+24, DDH+22, DBN+22, EHS+20, LPHO+20, MPCG21, PPH+21, TGB+23, TPD+24]. **Simulated** [SMV+20, AP22, KKH+24, LVM+22, LCW+21, WHL+23, WSHZ24, YYS+22]. **Simulating** [ADR21, BGC+24, CGRR+24, CWW+23, EVT+21, FTH24, KDH+21, KS22, LMW+23b, PBS21, SSJC23, SJH+23, WGK+21, WCG+24, YLS+21, AMK21, CXZ+23, EON23, LPS+21, SCG+23, TGL+22]. **Simulation** [ASL+20, JLLS23, LZW20, SNP+23, ZBH+22, ZZLF24, AXMJ22, BLB+24a, BSR21, CM21, CLG20, DPA21, DPC20, FZS+20, GDF22, JHKT+23, LKP+20, LP22, LDX+23, LWL24, MP23, MTZA23, MTT22, NGA+20, OHH+21, OHP+23, SFGB23, SG20, TBCV22, TSBE23, Tur20, VK24, WWC+22, WXX+23, WMA21, WFW+24, ZLLZ24, ZL24, ZHWZ23, ZLZ+24, dPGDdFS24]. **simulation-based** [DPA21]. **Simulations** [LPL22b, PMB+22, DMGP20, GGE+23, KHH+22, KHH+24, PR21, RSB+23, RRCZ20, SMS+24, WA20]. **simulator** [CXZ+23, KWG+22a]. **simultaneous** [MTT22, RMK21]. **simultaneously** [GSJ+20]. **sinensis** [ZWL+21]. **single** [GAM20, RCCLMGV22]. **sink** [BWT+24]. **sinusoidal** [LPL22a]. **sinusoidal-shaped** [LPL22a]. **Sio** [COS23]. **Sio-Malaba-Malakisi** [COS23]. **SIR** [Laz23]. **Sistan** [EGAS23]. **site** [EVHS21, FFM+23, NND+22, STW+23, WT20]. **site-level** [STW+23]. **site-scale** [FFM+23]. **sites** [PAPŁ+23, WLZ+23a, WWP20]. **six** [CDN+23]. **size** [BGCJ21, DMPLHGL20, HES+20, HES+23, KAMS22, LP22, MBS22, NK23, PAS+22, PSZ20, RGD+22, RMA+24, WZHP21, XYZR21, ZZŠ+22]. **size-selective** [NK23]. **size-spectrum** [HES+20, HES+23]. **size-structured** [MBS22, XYZR21]. **sizes** [HH23]. **sketches** [LLZM20]. **skill** [HFSL+24]. **Skudai** [BH21]. **slope** [ETAAH21, SZL+21]. **slopes** [ZLZ+24]. **slow** [LM21]. **small** [APF21, CSM23, CXZ+23, CSMP21, GMM+24, RJY+20, SLB+20a]. **small-scale** [CSM23, CXZ+23, GMM+24]. **smallholder** [ASKR24]. **smallmouth** [LBI+20]. **smart** [CMSD+22]. **smarter** [BCW+23]. **smolts** [WDW+22]. **snail** [YKZ+23]. **snow** [OCT+23]. **Sociability** [BSR21]. **Social** [MFPIBGES23, ASKR24, AAC20, BGS+20, BAM23, GCS+21, KS22, LCM24, PAS23, PHL20, RTH+21]. **Social-ecological** [MFPIBGES23, BAM23, PHL20]. **Socio** [CXZ+23, DS21, LPD+20, OBFH22,

GM23, LCM24, PG23, RBEC21, WG21, ZJEG24, ZGMFESD23].
Socio-Ecological
[DS21, LPD+20, OBFH22, LCM24, RBEC21, WG21, ZGMFESD23].
Socio-econ-ecosystem [CXZ+23]. **socio-environmental**
[PG23, WG21, ZJEG24]. **socio-MFA** [GM23]. **soda** [PAPŁ+23]. **sodicity**
[TSBE23]. **soft** [vdHNH+20]. **soft-bottom** [vdHNH+20]. **Soil**
[TK20b, AMK21, AB21, AKY+22, BMAME+23, BMS+20, CM21, DCT+21,
DPA21, ETAAH21, HKH+23, HGBK23, HFP20, HFP22, JMPB24, KKP+21,
LLLZ21, LCW+21, LSS+21, LLW+21, LMW+23b, MSG+21b, MTT22,
PAPŁ+23, PSM+21, RGD20, TLC+22, TDI+20, TGL+22, YG21, YLLL23,
ZRMW+20, ZLZ+24]. **soil-dwelling** [PSM+21]. **soil-plant**
[PAPŁ+23, TGL+22]. **soils** [SMM+22, XWZ+22]. **Solander** [MTL+23].
solar [YYS+22]. **solar-induced** [YYS+22]. **sole** [MLP+20, MPL+20]. **Solea**
[MLP+20, MPL+20]. **solid** [CAS+24, IA23]. **solution**
[JVGC21, JASW23, Mas23, NND+22, SACE+20]. **solutions**
[MTT22, WZLC24]. **solving** [MYH+20]. **somatic** [KABL21]. **sophisticated**
[KHH+22, KHH+24]. **source** [ELS23, GJC+20, LGA20, ZZZD22]. **sources**
[DBK20, HWS+23, PSM+21]. **souring** [MKN23]. **South**
[MDB+20, ARSC22, CRZ+23]. **southeastern** [SLHB+23]. **Southern**
[APGD+21, HSL+22, LCW+21, PTNR+20, BARF20, GSA24, SGTS21,
SGTS23]. **Southwest** [LZL22, ZHJQ23]. **southwestern** [YA24, dSRDC+23].
soybean [dSBDH23, Hop23, RFdL+24]. **soybean-maize** [dSBDH23]. **sp**
[KDC+21]. **Space** [RWS+21, TLH+20, ABB23, DDG+21, EVHS21, HHFB23,
KMH+21, MM21, ZS20]. **spaces** [GZW+20]. **Spain** [ZGMFESD23].
Sparrow [HBP+21]. **sparse** [AMK21]. **Spatial** [BLP20, CCH20, LGG+22,
LW23, RS23, Sak23, SACE+20, WHdBB21, WZHP21, ATP20, BRC+21,
BSM23, CLY+23, CJM+23, CSM23, CLG20, DIS23, DMM+23, EON23,
ESZ+23, AAAR23, FTH24, GSA24, GWH20, GZK+20, HSL+22, LGFT+20,
LDR+20, LZL23, LQH24, MKR20, MLJ+23, MSLM+24, MMRBLN20,
NHGP23, NL20, OCT+23, PEFW20, PSZ20, RAB21, RRFLV+22, RWS+21,
SRTS20, SC24b, TWL+22, ZZQ23, dMT23, dGMCM+23, dAdSCA20].
spatial-explicit [LQH24]. **Spatial-moment** [BLP20]. **spatial-temporal**
[EON23]. **Spatially** [ABZ22, GCB+22, SOV21, AE22, BSU+23, BSR21,
BR22, CAB+21, DMM+23, DDG+21, GRCSA+20, JMM+20, JSL+20, KS22,
KWG+23, PRdN+20, SLHB+23, SJA+22, WBW+20, WBD+22a].
Spatially-explicit [GCB+22, DDG+21, KWG+23, WBD+22a]. **spatio**
[GSJ+20, LRA+20, NWO21, NO23, ZHWZ23]. **spatio-temporal**
[GSJ+20, LRA+20, NWO21, NO23, ZHWZ23]. **Spatiotemporal**
[CL21, LYL+24, ZSS21, DMGP20, SBS+21, WWC+22, YD20, ZPZ+22].
spawning [DSHB23, LWE+22, WLZ+23a]. **special** [CSM23, LSG21, Men22].
Speciation [FAC22]. **specie** [ILLM20, ZLL+23]. **Species**
[BM22b, BM22a, CLPZ20, EMH+22, HHI+22, HPMB20, dSRDC+23, AHH22,
AMP+23, AM21, AFdSM23, ALJ+22, AARS23, BOLC+22, BAAN24,
BSCH23, BGCJ21, BS20, BWSS21, BM21, CSBS21, CWF+21, CNSK21,

CIL+20, CPTD22, dSCdA21, CKC+24, CKK+24b, DTD+23, EVT+21, FSY22, For20, FG21, GGS+22, GWH20, HLZ+22, HFSL+24, HLH+21, HNC+21, Ino22, JLH+21, JL23, JMM+20, JHKT+23, KWC24, KABL21, LYZ+24, LDXJ22, MSG23, MGK+23, MRR+20, MAGR+22, MMRBLN20, MVAD20, MPCG21, MBD+22, NL20, NTHC23, NMGFOB21, OMP+23, OW20, Pre22, RSWS23, RCCLMGV22, RBGB23, RPT21, RAB21, SVK20, SvV21, SACEU+21, SKW23, SWL+23, SC23, TK20a, TBP+23, TRMB20, TCB21, VMH+21, VPV21, VRS20, WZHP21, WSM24, WT20, WTT+21, XCH+21, YXH20, YB22, YCI20, ZWL+21, dAdSCA20]. **species-area** [VPV21]. **species-predictive** [JLH+21]. **Species-specific** [HPMB20]. **specific** [HPMB20, KWM+24, TK20a]. **spectral** [CSZY+20]. **spectrum** [BGCJ21, HES+20, HES+23, LM21]. **speeds** [Gat21]. **spillover** [MB22]. **spinipes** [KD20]. **Spodoptera** [BSU+23, dAWG23]. **spot** [MZLRSZ21]. **spp** [GGS+22]. **Spread** [BAPW20, AVP+23, BGC+23, CAH22, EVHS21, JB22, LDXJ22, MSLM+24, WHE+24a, WHE+24b]. **spreading** [ABZ22]. **spring** [Che21, LLZM20, Tsy22]. **spring-fed** [Che21]. **Springer** [Mea20]. **spruce** [BG22, SCG+23, STRC24, cNKF24]. **squirrels** [CAB+21]. **St** [MSL+21]. **St.** [KWM+24]. **Stability** [NDNN22, BACS22, CP22, ETAAH21, GWH20, RLM23, SE21, SZL+21, WLWL23]. **stabilize** [Oku21]. **stabilizing** [YA24]. **Stable** [YL22, JvVvHH24]. **stage** [HKG+24, PSM22, QZSV21, dVDC20]. **stage-based** [HKG+24]. **stage-classified** [dVDC20]. **stage-structured** [PSM22, QZSV21]. **stages** [DIS23, JMHH22, Jia21, MFF+24]. **stakeholder** [DDL+20, NBMD21]. **stamp** [AXMJ22]. **stand** [BLL+23, BLB+20]. **Standard** [Mat23, JGG23, Koo20b, PAB+22]. **standardization** [For24]. **stands** [CSZY+20, CWW+23, EVT+21]. **stanza** [DPC20]. **starfish** [MAB23]. **start** [Tur20]. **starting** [RFHR23]. **starvation** [WWA+22]. **State** [DGSM21, EVHS21, MRR+20, BdCCdSAdS23, FWK+20, HHFB23, JZS+21, NBU+23, OHP+23, RFHR23, RFHR24, RMA+24, ZS20]. **State-** [DGSM21]. **state-and-transition** [OHP+23]. **State-space** [EVHS21, ZS20]. **Stated** [BBCD23]. **States** [CBG+22, JvVvHH24, KNP+21, YA24]. **stationarity** [HSL+22]. **statistical** [CSBS21, RSWS23, VPV21]. **statistics** [CDNN+20]. **status** [AFG24, BS21, PGB+20, RSC+23, WLZ+23a, Yao21]. **steady** [AXMJ22]. **Steller** [RM20]. **step** [EON23, OCT+23, SACEU+21]. **step-by-step** [EON23, SACEU+21]. **sterile** [HLB+20, DBN+22]. **Sterna** [ARSC22]. **stinger** [EWE20]. **Stochastic** [STQ+22, SdlP20, BVM+21, FCFCM24, GWD+23, KAB23a, KWG+22b, LCMB21, NTHC23, PDH+22]. **stochasticity** [vDC20]. **stock** [AJ22, DIS23, YRK+20]. **stock-recruitment** [AJ22]. **stocking** [DP20, JST+22]. **stocks** [FEPR24, MSG+21b, YA24]. **Stocktake** [ECC+22]. **stoichiometric** [AKY+22, CDJ+22, KWG+22b]. **stomatal** [Mas23]. **storage** [PZH+21, RFF+23, TLC+22, WYBX23, XLS20]. **storms** [SMS+24]. **stormwater** [NBML21]. **story** [PSW22]. **Strait** [MPPM23]. **strategic** [GHbS21, RFHR24]. **strategies** [BSU+23, BSE21, CTL22, CC20, DDL+20, HCPG20, LBPL20, MPA+24, MD23, PSM+21, TLL+23, VBH20, WZWF20, WLQ+23, WWCT24].

strategy [AXMJ22, BPB+20]. **stream** [BdBG+21a, BdBG+21b, HMDO20]. **Strebel** [GSM+20]. **street** [GZW+20]. **Strengbach** [BPL+20]. **strength** [BWT+24]. **strengths** [CDNN+20]. **stress** [GSJ+22, GRAA22, KFM+23, LCP+20, LBI+20, RFdL+24, RGB22, VVH+20]. **stressed** [MBG+22]. **Stressor** [SGCFB22]. **stressors** [MAB23]. **strong** [RBGB23]. **structural** [DAQ20, MFZ23, SBS+20, SBS+21, YZZF22, YEL+21, dFT+20]. **Structure** [LB21, AE22, AM22, AHO+20, BMM22, BSR21, CSB22, JSL+20, KTB+23, KHS+23, LRA+20, LGG+22, LSL20, LW23, MPMT23, MLJ+23, MPPM23, MMC+21, NL20, PDH+22, RRSG21, RWS+21, SZPW23, VSB22, WSFZ21, XFK21, YA24]. **structure-preserving** [AM22]. **structured** [KK20, MBS22, PSM22, QZSV21, WZWF20, WFD23, XYZR21]. **structures** [KSJ22]. **studies** [CdCAC+20, ŁKPK22]. **Study** [DBK20, PSG21, SZ20, YJC+24, AFdSM23, AIA+23, BCW+23, BH21, BGK+20, BG22, BARF20, Che21, CPTD22, ETAAH21, ENARM+23, GAC+21, Gon23, GSJ+20, HHT21, HCL+22, JLLS23, LPSF24, LP22, LZSQ20, LDZ21, LZL23, LDX+23, LPA+21, LCMB21, MS20, MTT22, MVC+22, OHH+21, OBFH22, OCT+23, PHK23, PAPŁ+23, PMP+21, PTNR+20, RBGB23, RKN+21, RAB21, SLC+23, SHT21, SG20, SPPC21, SWP+23, SZL+20, TCG+20, TLH+20, TMNA20, WBD+22b, XWZ+22, XHS+24, XMWL23, YKZ+23, ZMK+22, ZHJQ23, ZZQ23, ZLML20, ZLZ+24]. **studying** [DRZ+24]. **subcatchment** [SRTS20]. **subject** [AWW24]. **submarine** [Che21]. **submerged** [NKT+20]. **submodules** [PTF23]. **Subnational** [HLM+20]. **subpinnata** [MTL+23]. **subsidence** [RGD20]. **subsidized** [STQ+22]. **substitutable** [RK20]. **substitution** [QS23]. **subtidal** [GSM+20]. **subtropical** [BGC+24, CLW+24, PZH+21, RGD20, SC21]. **success** [KN20, MJS24, OHP+23, SG20, SKH+20, WZWF20]. **Succession** [YXH20, HSF+20, LM23, SLLW21, ZGG22]. **successional** [FFM+23]. **Sugar** [VLGG+20, AAM+22]. **sugarcane** [BMRF21, MBR+23]. **suggestions** [LCLG20]. **suggests** [MJ24]. **Suitability** [YHC+21, BOLC+22, BHC22, BBSHC22, HK23, ILLM20, JLH+21, KKF+23, LZD+24, ZWL+21]. **Suitable** [YXY+20, BG22, USA21]. **sulfide** [CWW+23]. **sum** [LBN+22]. **Summer** [KFM+23]. **Summit** [PKB+23]. **sums** [DMG22]. **sun** [SPPC21]. **sun-induced** [SPPC21]. **Sungo** [SZL+20]. **sunlight** [ZOJ+23]. **superiority** [GSRB22]. **supersaturated** [CFL+22]. **supply** [GSA24]. **Support** [LZW20, BRC+21, EMH+22, For24, Gri20, MVC+22, NGE+21, PGP+22, WBW+20, ZWZ+20]. **supporting** [GSC+23]. **supports** [RSWS23]. **suppression** [SWL+23]. **surface** [ABC+22, BZZT22, DCT+21, HSJ+20, LCLG20, LCW+21, PFM+21, SBM+22, TGB+23]. **surface-based** [PFM+21]. **surfaces** [OW20]. **Surveillance** [HCW+22, BGK+20, SLB+23]. **survey** [KCHZ21]. **surveys** [PM22]. **survival** [AWW24, APF21, ALK20, dSCdA21, DHW+20, PSBE23, RMA+24, SdlP20, WRC21, WBD+22b]. **survivorship** [RAC+24]. **Sus** [KT22]. **Sustainability** [SLY+21, ZMK+22,

ABKA24, AAC20, DYW+22, ESCA22, HL23, LL21, LGL+24, MDB+20, MSS24, NGA+24, PHL20, RGRMRR20, RBEC21, TWL+22]. **Sustainable** [BSE21, LPA+21, ŁJ21, Ano20-49, AKM22, dSCdA21, EON23, GCMU23, HAZEF23, HWS+23, MTZA23, NMV+23, PGB+20, RLM23, SvV21, SSB22, WrJP+22, HL23]. **Suzhou** [BCW+23]. **suzukii** [RRSG21]. **swarming** [LAK+23]. **swarms** [SGV+24]. **Sweden** [BLL+23]. **swimming** [LHDBN20]. **swine** [MD23]. **swirskii** [TCG+20]. **switching** [GWD+23]. **Switzerland** [Mea20]. **sylvatic** [EBMK20]. **sylvatica** [SKW23]. **sylvestris** [EVT+21]. **symbionts** [KKP+21, MGC24]. **symbiosis** [KRMP23, RTH+21]. **sympatric** [Kos22, NMGFOB21]. **symptom** [Gat20]. **synchronized** [KK20]. **synchrony** [GZ23]. **syncronization** [ABZ22]. **synergistic** [MMdP+21]. **synthesis** [TLC+22]. **System** [EL22, LB21, YDQ+23, ABKA24, AM21, BGA+23, CMGD+22, CBSB23, ENARM+23, GLA+20, GM23, HSP+22, HCL+22, HSD+21, HWS+23, HK23, JZHT23, JST+22, KMH+21, KKP+21, KCS22, KWG+22b, Kle23, LZW20, LYM+23, MPSS24, MDB+20, MF20, MMMS23, OSPZ22, PHK23, PAPŁ+23, SQDM21, SM22a, ST24, TSUY23, TK20b, ZLLZ24, CFG+22, DBDR22]. **Systematic** [DK22, ECC+22, dSRDC+23]. **Systems** [DS21, VLGG+20, ADR21, AGS+21, AGS+22, CXZ+23, DS24, FS22, GMM+24, HSP+22, JPMA+23, JMPB24, LHDBN20, LZSQ20, LCM24, MAD+20, MAN+20, MDB+20, MTW+22, MFPIBGES23, MSG+21b, MBMV20, NGA+24, NWJ+22, OBFH22, PHL20, PMP+21, SC24a, SGPSzC22, SLY+21, SC24b, TQM+24, Tur20, WG21, Wu24, ZJEG24, ZZWF21, ZBH+22].

T. [EBMK20]. **tackle** [DSC+21]. **tadpoles** [CMS+21, PDG+20]. **tagging** [PDD+22]. **tags** [HBMR24]. **Taihang** [ZZLF24]. **tail** [ŁJ21]. **Tailed** [HCW+22, BGK+20, KS22, TBM+24, VRW+21]. **take** [DS23]. **Tana** [TGRM23]. **tangent** [PSZ20]. **Tanzania** [MDP21]. **targeted** [GSJ+20, PEFW20]. **targeting** [MVC+22, TCB21]. **tasks** [AGS+21, AGS+22]. **taxa** [CGRR+24]. **taxes** [SML+20]. **taxonomic** [RBGB23]. **Taylor** [XJW21]. **Teaching** [Por21]. **technique** [CCH20, DBN+22]. **techniques** [ASHK22, BAR20, GM23, HLB+20, SD24, SWP+23, USA21]. **technogenic** [PAPŁ+23]. **technologies** [COJ23]. **teleconnected** [LL21]. **telemetry** [BVR+20, LDC+20]. **temperate** [BGCJ21, BWT+24, CAK+23, KABL21, TDI+20, VK24]. **Temperature** [MBMV20, AJJ24, CRZ+23, DMdR24, GSJ+22, HML+22, JPL21, MGWG22, NGE+21, PGdAM+20, SSM24, SBR20, SMS+24, TA20, VJK+23, WBD+22b, YSFX23]. **temperature-** [SBR20]. **temperature-dependent** [HML+22, MGWG22, NGE+21, PGdAM+20]. **temperatures** [ABC+22, FWK+20]. **Temporal** [CPTD22, BSR21, DKM+21, EON23, AAAR23, FS22, GSJ+20, HMC20, LRA+20, LCP+20, LSL21, NWO21, NO23, NK23, PAS23, RAC+24, SBR20, WYBX23, ZHWZ23]. **temporally** [BR22]. **tempos** [Ano20-49]. **tendency** [LJP+22]. **tendency-prediction** [LJP+22].

Tenuipalpidae [AFdSM23]. **term** [ABH+20, BLB+20, DYMD22, EVHS21, JvVvHH24, JLV+21, JSD+22, PKO+21, RSASP22, SZ20, YSIB24]. **termite** [LPL22a]. **Tern** [ARSC22]. **terrestrial** [ASHK22, LC20, OTR+21, OKS+21, QS23, WHL+23, WWP20, WLZ+23b, ZS20]. **territorial** [ŁJ21]. **territoriality** [TPD+24]. **territories** [CDC+22, KRM+22, MOS21]. **territory** [SM20]. **Test** [HFP22, RFJ+22]. **tested** [FG21]. **Testing** [JMHH22, MDT+23, SM22b, CdCAC+20]. **Tetragastris** [dOPdMdS+21]. **Texas** [YCK20]. **Thanks** [Des21]. **Thau** [PGB+20]. **thawing** [LCW+21]. **their** [BCMV20, CZ21, FSZ+20, FZS+20, FHP+22, GMM+24, HHFB23, Jia21, LZL22, OKS+21, RRFLV+22, SINS22, YD20, ZFC+23]. **theorem** [Men22]. **Theoretical** [MAN+20, BMS+20, GRS+20, KAB+23b]. **Theory** [Ano20-51, VLGG+20, CIL+20, DYW+22, GLA+20, HFP20, LPL22b, LSG21, MTS+20, MBMV20, PSW22, SGLK20, SACE+20, XJW21, XHS+24, ZSS20]. **Thermal** [Che22, MGWG22, Che21, Tsy22, VJK+23]. **Thermodynamic** [CWF+21, WCF+22]. **thermodynamics** [MPMT23]. **thermoregulation** [HBMR24]. **thinning** [EVT+21]. **Thirteen** [LGK+23]. **thorns** [MAB23]. **threat** [JASW23, MAB23, SRÁMH+20]. **threatened** [HP20]. **threats** [GHbS21]. **Three** [NBML21, ABB23, LWE+22, LPHO+20, NSS+23, PCN+23, PCK+22, TWL+22, WA20, YLS+21, XWX+24]. **Three-dimensional** [NBML21, ABB23, LWE+22, TWL+22, YLS+21]. **threshold** [HH23]. **thresholds** [HKH+20, TA20]. **thrips** [CMSD+22]. **Thunnus** [DPC20]. **Tianjin** [LZF21, LW23]. **Tianshan** [ZLLZ24]. **Tibet** [ALS+21, LWL24, WLZ+23a, Yu20, YJC+24]. **Tibetan** [ZPZ+22]. **tick** [AV22, EBS23]. **tick-borne** [AV22]. **ticks** [WBD+22b]. **tidal** [BdBG+21a, BdBG+21b, KSJ22]. **tides** [SRB+20]. **Tiezzi** [Ano20-49]. **tiger** [AAAR23]. **tilapia** [DMPLHGL20]. **tillage** [GAMN+23, YLLL23]. **timber** [XLS20]. **time** [BAAN24, DMG22, HMC20, Jia21, LCP+20, LJP+22, LHL22, MLV24, MM21, RLM23, SE22]. **time-averaged** [HMC20]. **time-dynamic** [BAAN24]. **time-scales** [RLM23]. **timescale** [AAR23]. **timescales** [MSML21]. **Timing** [BVM+21, CGB+23, FS22, LAK+23, LBGD21]. **Titicaca** [DVVH21]. **tool** [GZK+20, MGK+23, MPC+22, MS23, MM21, NMC+20]. **tools** [Yao21]. **Tooth** [MSG21a]. **top** [CDN+23, KKH+24]. **Topological** [LDR+20]. **Topology** [MEPJ21]. **topsoil** [VPAV22]. **tourism** [GCS+21, LL21]. **tower** [ASHK22]. **tox** [AVRC+20]. **toxic** [PAPŁ+23]. **toxicity** [BMS+20, CBSB23]. **toxicodynamic** [JGG23]. **toxicokinetic** [JGG23, MLP+20]. **toxicokinetic-toxicodynamic** [JGG23]. **toxin** [CMKF22]. **toxoid** [LPSF24]. **tracking** [LWE+22, SJH+23, WSW23, ZWZ+20]. **Trade** [JHL23, PF23, CSCT23, CP20, DSC+21, LMW+23a, NO24, Pér24, SML+20, ZLML20]. **trade-off** [CSCT23, CP20, NO24, Pér24]. **Trade-offs** [JHL23, PF23, DSC+21]. **tradeoff** [RTH+21]. **tradeoffs** [LGA+21]. **traditional** [NGA+24]. **trained** [HFSL+24]. **training** [MS20]. **trait** [BDC+22, HHT21, RFJ+22, ZMS20]. **trait-** [ZMS20]. **trait-based** [BDC+22, RFJ+22]. **traits** [AVP+23, CMGD+22, CLW+24, EHS+20,

GRCSA+20, HKSM23, PKO+21, SLYL+20, SHT21, SPV+21, Vas20]. **trajectories** [AADHA+23, COS23, FG21]. **trajectory** [SDSP+21]. **trans** [KMP+23]. **trans-CLUE-S** [KMP+23]. **transboundary** [COS23]. **transcriptomic** [GML+20]. **Transdisciplinary** [Por21]. **Transeius** [TCG+20]. **Transfer** [XZZ+22, vdHNH+20]. **Transferability** [GVG+23, RFJ+22, CPTD22]. **transfers** [KKP+21, SML+20]. **transformed** [GCMU23, MPMT23]. **Transient** [CTL22, ZZZD22]. **transit** [MLV24]. **Transition** [MT23, OHP+23, TTPA21]. **Transitioning** [Ano20-51]. **transitions** [HCX+21, KMP+23]. **transmission** [CLHZ22, EBMK20, KE24, KS22, LGFT+20, MSLM+24, MD23, RWS+21, TLL+23, TBM+24, ZXK+24, vWVH20]. **transmitted** [MMMS23]. **TransparC2U** [CM21]. **transpiration** [HFP22, ZFC+23]. **transport** [BdBG+21a, BdBG+21b, CMFC23, LWE+22, SPB+24, WPL+23, MLJ+23]. **transportation** [LPL22a]. **trap** [AP22]. **traps** [HI22]. **travel** [Lef23]. **treatment** [BSU+23, LZL22, MKN23]. **treatments** [GAMN+23]. **Tree** [HHI+22, dSMPA+22, ABRG21, CAK+23, CAK+24, CNSK21, DMG22, HHBF24, HFP22, JMC+22, LGG+22, LPS+21, MRR+20, MLJ+23, PVS+21, PPH+21, PKO+21, Pre22, SLHB+23, SKW23, SCH+21, SBR20, VJK+23, WHE+24a, WHE+24b, WHL+23, WYBX23, ZOJ+23, ZLL+23]. **tree-based** [WYBX23]. **tree-level** [PPH+21]. **treehopper** [PTBFP+20]. **treeline** [BS20]. **trees** [AMP+23, FG21, GHK23, GSMD24, IA23, LDR+20, LMW+23b, YCI20]. **trend** [AFG24]. **trends** [CZ21, dSRDC+23, RAC+24, SDP23, ZPZ+22]. **trials** [NS20]. **triangulifer** [KFJS20]. **Triatoma** [FC21]. **Tribolium** [dVDC20]. **tributaries** [MSL+21]. **Trichodesmium** [ABR24]. **triggered** [CMKF22, CLH23, RTH+21]. **tripartite** [WLWL23]. **triplet** [ABKA24]. **TRIPLEX** [LPS+21]. **TRIPLEX-Mortality** [LPS+21]. **Triticum** [GGS+22]. **tritrophic** [BMBB24, PVS+21]. **Trojan** [BPB+20]. **Trophic** [KKH+24, OHR+23, BdCCdSAdS23, BNN20, FWK+20, GLA+20, HK23, LPL22b, MZLRSZ21, PCK+22, RSC+21, SBS+20, WSFZ21, vdHNH+20]. **tropical** [BSS+24, BH21, DBV+22, FG21, HLB+20, MAGR+22, MHP+23, PYD+21a, PYD+21b, PKO+21, SPPC21, TSUY23, WGMR23, XJW21]. **tropics** [AMK21, RFJ+22]. **truthing** [ABC+22]. **tsetse** [GVG+23]. **tshawytscha** [BLLL21]. **Tumen** [JHL23, TLH+20]. **tuna** [DPC20, NPK+23, PDD+22]. **tuning** [Fou21]. **tunnel** [LPL22a]. **turbidity** [SZ20]. **turbine** [PM22, STQ+22]. **turbine-scale** [STQ+22]. **turbulence** [WSW23]. **turbulent** [LWE+22, TMNA20]. **turning** [Ano20-49]. **turnoff** [BACS22]. **turnover** [AG22]. **turtle** [CRZ+23, KABL21, LHDBN20, MZLRSZ21]. **turtles** [GDC24, LHH+24, PTD+23, SPB+24, SMV+20]. **Tuscany** [LPA+21]. **TVDI** [RFdL+24]. **TVDI-based** [RFdL+24]. **two** [AKM22, CM21, CWW+23, DKM+21, DPC20, KABL21, Kos22, LHDBN20, LYZ+24, MBR+23, NMGFOB21, TCG+20, WG21, WTT+21, ZHC23]. **two-pool** [CM21]. **two-stanza** [DPC20]. **type**

[AM21, AACCIS20, ETAAH21, Fat21, LLW+21, SQDM21]. **types** [Sak23, SINS22, YYS+22, dAdSCA20]. **typhoon** [PZH+21]. **Typical** [WXT+20, MFZ23].

U.S [LUV+23]. **Ubatuba** [OBFH22]. **Ulloa** [MZLRSZ21]. **Ulva** [LFN+20, SRB+20]. **uncertain** [VRS20, YSIB24]. **uncertainties** [CM21]. **Uncertainty** [HAZEF23, AAR23, KKF+23, LDX+23, LKO20, MLP+20, MKB+24, SACE+20, TKO+22]. **underestimate** [MBD+22]. **Undergraduate** [Por21]. **Underlying** [ZXK+24, CLH23, GSH+22]. **underpinning** [EL21]. **understand** [CDNN+20, DAQ20, MFPIBGES23, MPMT23, ZMS20]. **Understanding** [CFG+22, HSP+22, Por21, PCK+22, ZOJ+23, PTG+20, PGSL+20, SBWB24]. **Understory** [HHI+22, MLJ+23]. **underwater** [KCHZ21, SHF24]. **uneven** [JS22]. **Unfolding** [AS22, LMW+23a]. **unified** [FMRMAS24, LMNV20]. **unimodal** [CLHZ22]. **United** [Pas21, CBG+22, YA24]. **units** [ŁJ21, SRTS20]. **universal** [GAM20]. **Unlocking** [CAS+24]. **unmarked** [HI22]. **unpredictability** [cNKF24]. **Unraveling** [BMBB24]. **unravels** [vdHNH+20]. **unsampled** [MGK+23]. **update** [Gri20]. **updraft** [STQ+22]. **updraft-subsidized** [STQ+22]. **upgradation** [LZL22]. **upland** [MKEH20]. **upon** [FAC22]. **Upper** [TGRM23, DYW+22, SD24, XMWL23]. **upregulated** [MJ24]. **upscaling** [VPV21]. **upstream** [KTB+23]. **uptake** [CWW+23, GSJ+22, JMC+22]. **upwelling** [AACCIS20, GGE+23]. **Upwind** [SGV+24]. **urban** [AXMJ22, BAPW20, BCW+23, BBCD23, CLY+23, DBDR22, EL22, EON23, GZW+20, JHL23, LL21, MFZ23, MPSS24, MKEH20, MTZA23, MMMS23, OBFH22, RBEC21, SBF+21, SCH+21, SSJC23, ST24, USA21, WZZF23, XWZ+22, YZZF22, ZYK22, ZHWZ23, dMT23]. **urbanization** [BH21, QS23, YZZF22]. **urbanizing** [SZPW23]. **urchin** [APGD+21, GGMR20]. **Uruguayan** [DP20]. **USA** [AAR23, HH23, ZFT20, ZRMW+20]. **usages** [AZBdAI23]. **Use** [ACFM22, BM22b, GML+20, LDX+23, MTP+20, dRMJdS23, TLH+20, ACZ+21, CP22, DSC+21, DWG22, GCS+21, Gri20, GZD+23, HAZEF23, JLLS23, JHL23, KMH+21, LBGD21, Lia23, LAK20, LZW20, LNK+21, MTZA23, NMV+23, PHL20, PEFW20, PTBFP+20, RSASP22, RAB21, SWP+23, TGRM23, WMA21, WFW+24, YPS+21, Yu20, ZLLZ24]. **use/cover** [COS23]. **use/land** [WWC+22]. **user** [CM21]. **uses** [TGL+22]. **Using** [BAAN24, BWT+24, CSMP21, DAQ20, FDSM20, GLA+20, HCL+22, HLS+23, JGG23, JZJ+20, KAMS22, KFM+23, LPSF24, MSG21a, MSG23, MPMT23, MBD+22, NGE+21, OHP+23, TTPA21, AJG22a, ABKA24, ASHK22, AJG22b, AMP+23, AHO+20, BSS+24, BSR+23, BA20, BGA22, BNN20, BM21, BLB+20, BGC+24, CCH20, CMGD+22, CGRR+24, CSZY+20, CHR+23, COS23, Che21, CWW+23, CMG20, CIL+20, CSB22, CAB+21, CKC+24, DTR+22, DDH+22, DMM+23, DAB+20, EWE20, GM23, GCSlR22, GCS+21, GRCSA+20, GWH20, HBP+21, HKB+20, HSJ+20,

HBC+22, HGBK23, HMDO20, HLM+20, ILLM20, Ino22, IBB+21, IBB+22, JB22, JLV+21, JPL21, JLLS23, KiAM+20, KRM+22, KS22, KWP+23, LE23, LUV+23, LLB+23, Lia23, LZL22, LGA20, MLL20, MPSS24, MLJ+23, MSS24, NWO21, NGA+24, NHGP23, NA22, NTHC23, NPS+23, OHH+21, OSH+21, PMZ+21, PSG+22, PBS21]. **using**
[PM22, RSB+23, RBEH21, RCSS20, SSM24, SRTS20, SD24, SMM+22, SOV21, SIOM24, SACE+20, SNM+23, STW+23, SHF24, SWP+23, SJH+23, SC23, SM22b, TK20a, TMFV22, USA21, VLGG+20, VMM+21, WLQ+23, WSW23, WA20, WSL+22, XLS20, YKZ+23, Yu20, YCI20, ZOJ+23, ZSS20, ZFT20, ZSS21, ZPZ+22, ZLLZ24, dGZHCA24, dKS22]. **Utilization** [GAMN+23, DDG+21, HLW+20, Vas20]. **Utilizing** [KKW+21, PSBE23]. **UV** [DWH+21]. **UV-B** [DWH+21].

v3 [LDX+23, BGA22]. **VA** [ZOJ+23]. **vaccine** [LPSF24]. **Validation** [dPGDdFS24, CDC+22, DDG+21, FZS+20, FHP+22, dRMJdS23, OFH+20, PFM+21, PAdS+24, WHdBB21]. **Valley** [BLLL21, WWF+23]. **Valuation** [SAdA+22]. **Value**
[DS21, LB21, BARF20, CL21, GPN+23, LC20, Men22, WFW+24, YZF20]. **valued** [RUTY23]. **values** [CLY+23]. **vannamei** [dMFOM+20]. **Variability** [VN23, CFG+22, FTH24, FS22, HHT21, HMC20, KD20, MSML21, MLP+20, MPL+20, NK23, PYD+21a, PYD+21b, PCK+22, SLYL+20, WBD+22a]. **Variable** [CKK+24c, NTHC23]. **variables**
[AXMJ22, ALJ+22, BRC+21, DMG22, MRR+20, PPSS22, RCSS20]. **Variance** [vDC20]. **variation** [APF21, BSR21, CMFC23, CSM23, HGBK23, KAB23a, KABL21, LDX+23, Oku21, XJW21]. **variations** [NWO21]. **variety** [LZD+24]. **various** [DBK20, GAMN+23, MFZ23, WBD+22b]. **Varroa** [MMC+21]. **vary** [FWK+20]. **varying** [COPM23]. **vector**
[KWG+22a, MSLMM22, OW20, TK20a]. **vectored** [RLS+24]. **vectoring** [MGC24]. **vegetable** [AAC20, ZBH+22]. **Vegetation**
[WXT+20, BKTM20, BWCD23, CWY+24, CGV22, DDDC21, ETAAH21, ERP21, FMRMAS24, FSZ+20, FZS+20, JPL21, LYC+21, LCW+21, LHJ+24, LWL24, LMW+23b, MKEH20, NKT+20, QS23, WHW+23, YYS+22, Yu20, ZSS20, ZYM+21, ZLZ+24, RSB+23]. **vegetation-desertification** [FMRMAS24]. **vegetations** [SOP22]. **vegetative** [LTR+24]. **vehicle** [BLB24b]. **velocity** [AJJ24, ZLL+23]. **versatile** [MS23]. **versus** [RFPRC23, Pie23]. **vertebrates** [ZS20]. **Vertical**
[Jor22, ABR24, CSB22, GMM+24]. **Very** [RSB+23]. **Vespula** [CH22]. **via** [BdBG+21a, BdBG+21b, HZ22, KBAC20, LGA+21, PF23, WLY+23, ZWZ+20, GML+20]. **Viability**
[OSPZ22, AZBdAI23, CDT+23, HKG+24, LGK+23, dGMCM+23]. **Vibrio** [DEMJ24]. **video** [KCHZ21]. **Vietnam** [KTB+21]. **view** [EBMK20, KE24]. **viewing** [PAS23]. **Viewpoint** [Kle23]. **village** [JLLS23]. **vineyards** [KT22]. **violation** [BP21]. **viral** [KPLH24]. **virginianus** [KS22]. **virtual** [HHFB23]. **virulence** [Hop23]. **virus** [BGC+23, KWG+22a]. **viscous** [DLY+22]. **visual**

[RBEH21, vWVH20]. **volatile** [Koo24b]. **vole** [VSK+20]. **Volterra** [NMGFOB21, SIOM24]. **voltinism** [CdCAC+20, PGdAM+20]. **Vorticity** [DZC+23b, DZC+23a]. **VPRM** [RSB+23]. **vs** [GHbS21, ML20, YL22, PA20]. **Vulnerability** [FS22, MTL+23]. **vulnificus** [DEMJ24]. **vulture** [PR21].

Waard [PRdN+20]. **walk** [ABB23, PDD+22]. **walks** [AP22, BMB24, HBC+22]. **Wanggu** [JASW23]. **Wanhe** [DZC+23a, DZC+23b]. **Want** [SACEU+21]. **war** [MKN23]. **Warm** [Des21, PA20]. **warming** [Che22, KPLH24, LhNA+21, MTL+23, TRMB20, ZFT20, ZZŠ+22, ZRMW+20, LhNA+22]. **warning** [WSFZ21]. **Was** [KHR23, PR23]. **Wasp** [CH22, BPW+21]. **waste** [CAS+24, NO24, ZA20]. **wastewater** [GM23]. **Wasting** [HCW+22, BGK+20, KS22, TBM+24]. **Water** [DLZ+20, ELS23, WXT+20, BZZT22, BP21, BAM23, BGC+24, CC23, nCLpW+23, CLW+24, DEMJ24, DCT+21, DMdR24, GGE+23, HLW+20, HLZ+22, HSJ+20, HLS+23, JMC+22, KHS+23, Lef23, LYC+21, LNK+21, MSL+21, MFPIBGES23, NMV+23, NWO21, PGSL+20, RSASP22, RFdL+24, RPARM20, SC21, TBZ+22, VRRI+24, WLQ+23, WPL+23, WWP20, YJC+24, ZSS21, ZZZD22, XZZ+22]. **Water-energy** [DLZ+20]. **water-land** [NMV+23]. **water-limited** [HLW+20, HLZ+22]. **waterbirds** [WWA+22]. **waterbodies** [RFCEL22]. **waters** [RJY+20]. **watershed** [BH21, GSA24, HAZEF23, HCPG20, JB22, LSS+21, MTZA23, PGP+22, ZZLF24, dPGDdFS24]. **wave** [SBWB24]. **wavelet** [CCH20]. **way** [DLT+22, WHdBB21]. **Ways** [Koo24a]. **Weak** [CKC20, ABZ22]. **weaken** [CLHZ22]. **web** [BAAN24, BNN20, CGRR+24, CVTS20a, CVTS20b, DS24, GHbS21, HML+22, KKH+24, MAD+20, MPPM23, NHGP23, OKS+21, SRK+20, ZBW+24, vdHNH+20]. **web-based** [CVTS20a, CVTS20b]. **webs** [JL23, MEPJ21, MJS24, NK23, WLLW20, WA20, vdHNH+20]. **weed** [ABC+22, CGVC21, MVC+22, PBF+23, PMP+21]. **weeds** [MVC+22]. **weight** [BPK+20]. **weighted** [CKC+24]. **weighting** [ZFP21]. **well** [GMS+23, HL23, HMC20, YPS+21]. **well-being** [GMS+23, HL23, YPS+21]. **well-mixed** [HMC20]. **wellbeing** [KCS22]. **west** [HMVR21, BGC+23, KWG+22a, PTG+20, SPB+24, SD24]. **western** [AM22, HH23, KT22, STRC24, TDI+20, ASL+20, BBCD23, LHH+24, PA20]. **wet** [BPK+20]. **Wetland** [MLD+23, EON23, OTR+21]. **wetlands** [AGP20, DBK20, LHJ+24]. **whale** [MCB+23, SWF21]. **wheat** [CDN+23, GAMN+23, GGS+22, HRW+24, Hop23, LPHO+20, PTF23, PK23]. **Which** [ENARM+23, RAB21]. **while** [DGVVP23, XCH+21, YA24]. **White** [HCW+22, BGK+20, dMFOM+20, KS22, TBM+24, VRW+21, KFJS20]. **White-Tailed** [HCW+22, BGK+20, KS22, TBM+24, VRW+21]. **whole** [DLT+22, NO23, PKO+21]. **whole-tree** [PKO+21]. **wide** [HKB+20, RBLS23]. **wider** [Gri20]. **wild** [DAG+21, GJC+20, KT22, LP22, LBN+22, MM21, RRFLV+22]. **wildcat** [CKK+24a, CKK+24c]. **wildcats** [CKC+24]. **wildfire** [AB21, ABH+20, SCG+23, YA24]. **wildflower** [CAFT22, CSCT23].

wildflower/crop [CSCT23]. **wildlife** [BGK+20, BLB24b, COPM23, CSMP21, MD23, PAS23]. **wildlife-livestock** [MD23]. **Williston** [LYZ+24]. **Wind** [HHI+22, AJG22a, AJG22b, CMFC23, GCSlR22, JB22, WGK+21, WSW23]. **wind-borne** [WGK+21]. **Wind-Disturbed** [HHI+22]. **wind-driven** [CMFC23, WSW23]. **wins** [MKN23]. **winter** [BLLL21, EBS23, GGS+22, KUK+21, SMS+24]. **winter-run** [BLLL21]. **within** [BKTM20, CDNN+20, FFM+23, HGBK23, KDH+21, MK21, PHK23]. **within-canopy** [MK21]. **within-field** [HGBK23]. **within-patch** [CDNN+20]. **WOFOST** [SWHZ22, WSHZ24]. **wolf** [BGS+20, KRM+22]. **wolves** [CDC+22, HKG+24]. **wood** [MRR+20, MLV24]. **woodland** [WHW+23, SDD+20]. **woody** [dAPdBMT23, YCK20]. **working** [SGLK20]. **workshop** [PKB+23]. **world** [GCMU23, PAS+22, vOVvdW23]. **worldwide** [CAK+24]. **Wrangel** [CLW23]. **Wuhan** [WWC+22, ZZQ23].

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[CMFC23] Joseph C. Caracappa, Daphne M. Munroe, Heidi L. Fuchs, and Robert J. Chant. Influences of brood-dependent behavioral variation on blue crab (*Callinectes sapidus*) larval transport in a wind-driven estuarine plume. *Ecological Modelling*, 478(??):??, April 2023. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0304380023000236.

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[CMG20] Damien Chevallier, Baptiste Mourrain, and Marc Girondot. Modelling leatherback biphasic indeterminate growth using a modified Gompertz equation. *Ecological Modelling*, 426 (??):??, June 15, 2020. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0304380020301095.

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[CMGD+22] N. Caill-Milly, J. Bald Garmendia, F. D'Amico, O. Guyader, C. Dang, and N. Bru. Adapting a dynamic system model using life traits and local fishery knowledge — application to a population of exploited marine bivalves (*Ruditapes philippinarum*) in a mesotidal coastal lagoon. *Ecological Modelling*, 470(??):??, August 2022. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0304380022001442.

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[CMHZ23] Qiuwen Chen, Xiaohan Ma, Jiayu Hu, and Xiaohong Zhang. Comparison of comprehensive performance of kiwifruit production in China, Iran, and Italy based on emergy and carbon emissions. *Ecological Modelling*, 483(??):??, September 2023. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0304380023001709.

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[CN20] Roger Cropp and John Norbury. The potential for coral reefs to adapt to a changing climate — an eco-evolutionary modelling perspective. *Ecological Modelling*, 426(??):??, June 15, 2020. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380020301101`.

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[CNNS+21] Magda Chudzinska, Jacob Nabe-Nielsen, Sophie Smout, Geert Aarts, Sophie Brasseur, Isla Graham, Paul Thompson, and Bernie McConnell. AgentSeal: Agent-based model describing movement of marine central-place foragers. *Ecological Modelling*, 440(??):??, January 15, 2021. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0304380020304610.

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[CNSK21] Kunzang Choden, Craig R. Nitschke, Stephen B. Stewart, and Rodney J. Keenan. The potential impacts of climate change on the distribution of key tree species and Cordyceps in Bhutan: Implications for ecological functions and rural livelihoods. *Ecological Modelling*, 455(??):??, September 1, 2021. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0304380021002106.

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[COJ23] Abbas Ali Chandio, Dicle Ozdemir, and Yuansheng Jiang. Modelling the impact of climate change and advanced agricultural technologies on grain output: Recent evidence from China. *Ecological Modelling*, 485(??):??, November 2023. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0304380023002314.

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[Cor20] Gianpaolo Coro. A global-scale ecological niche model to predict SARS-CoV-2 coronavirus infection rate. *Ecological Modelling*, 431(??):??, September 1, 2020. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380020302581`. See comment [CYP+20].

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[CPAT20] Alfredo Cisneros-Pineda, David Aadland, and John Tschirhart. Impacts of cattle, hunting, and natural gas development in a rangeland ecosystem. *Ecological Modelling*, 431(??):??, September 1, 2020. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380020302453`.

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[CR24] Sierra E. Cagle and Daniel L. Roelke. Chaotic mixotroph dynamics arise with nutrient loading: Implications for mixotrophy as a harmful bloom forming mechanism. *Ecological Modelling*, 492(??):??, June 2024. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380024001029`.

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[CRZ+23] Spencer Catron, Sarah Roth, Francesca Zumpano, Jason Bintz, James A. Fordyce, Suzanne Lenhart, Debra L. Miller, and Jeanette Wyneken. Modeling the impacts of temperature during nesting seasons on loggerhead (*Caretta caretta*) sea turtle populations in South Florida. *Ecological Modelling*, 481(??):??, July 2023. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380023000911`.

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[CSM23] Jun Chen, Masae Shiyomi, and Satoru Morita. Phytomass productivity of cutting and grazing grasslands with special reference to small-scale spatial variation in plant nutrient resources. *Ecological Modelling*, 486(??):??, December 2023. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380023002417`.

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[CSZY+20] Paulo Cañete-Salinas, Francisco Zamudio, Marco Yáñez, John Gajardo, Héctor Valdés, Cristian Espinosa, Jaime Venegas, Luis Retamal, Samuel Ortega-Farias, and César Acevedo-Opazo. Evaluation of models to determine LAI on poplar stands using spectral indices from Sentinel-2 satellite images. *Ecological Modelling*, 428(??):??, July 15, 2020. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380020301307`.

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[CTL22] Renfei Chen, Chengyi Tu, and Quan-Xing Liu. Transient perturbations reveal distinct strategies for reserve benefits in life history-dependent ecosystems. *Ecological Modelling*, 466(??): ??, April 2022. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380022000229`.

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[CVTS20a] Carrie M. Chennault, Robert M. Valek, John C. Tyndall, and Lisa A. Schulte. Corrigendum to PEWI: an interactive web-based ecosystem service model for a broad public audience: Ecological Modelling 2020 **431**: 109165. *Ecological Modelling*, 431(??):??, September 1, 2020. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380020302660`. See [CVTS20b].

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[CVTS20b] Carrie M. Chennault, Robert M. Valek, John C. Tyndall, and Lisa A. Schulte. PEWI: an interactive web-based ecosystem service model for a broad public audience. *Ecological Modelling*, 431(??):??, September 1, 2020. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380020302362`. See corrigendum [CVTS20a].

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[CWF+21] Mingli Chen, Zijian Wu, Xinxi Fu, Linnan Ouyang, and Xiaofu Wu. Thermodynamic analysis of an ecologically restored plant community:number of species. *Ecological Modelling*, 455(??):??, September 1, 2021. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380021001940`.

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[CWH+21] Luca Chiaverini, Ho Yi Wan, Beth Hahn, Amy Cilimburg, Tzeidle N. Wasserman, and Samuel A. Cushman. Effects of non-representative sampling design on multi-scale

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[CWY+24] Yimeng Cai, Jiaxin Wu, Tudi Yimiti, Zhouyuan Li, Xiuchun Yang, and Shikui Dong. The landscape altered the interaction between vegetation and climate in the desert oasis of Hotan River Basin, Xinjiang, China. *Ecological Modelling*, 491(??):??, May 2024. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380024000759`.

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[CXZ+23] Yufeng Chen, Liyan Xu, Xiao Zhang, Zilin Wang, Hailong Li, Yansheng Yang, Hong You, and Dihua Li. Socio-econ-ecosystem multipurpose simulator (SEEMS): an easy-to-apply agent-based model for simulating small-scale coupled human and nature systems in biological conservation hotspots. *Ecological Modelling*, 476(??):??, February 2023. CODEN ECMODT. ISSN ???? URL `http://www.sciencedirect.com/science/article/pii/S0304380022003301`.

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[CYP+20] Andrea Contina, Scott W. Yanco, Allison K. Pierce, Michelle DePrenger-Levin, Michael B. Wunder, Andreas M. Neophytou, C. Phoebe Lostroh, Richard J. Telford, Blas M. Benito, Joseph Chipperfield, Robert B. O'Hara, and Colin J. Carlson. Comment on "A global-scale ecological niche model to predict SARS-CoV-2 coronavirus infection rate", author Coro.

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[DAB+20] Stephanie Dodson, Briana Abrahms, Steven J. Bograd, Jerome Fiechter, and Elliott L. Hazen. Disentangling the biotic and abiotic drivers of emergent migratory behavior using individual-based models. *Ecological Modelling*, 432(??):??, September 15, 2020. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380020302957`.

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[DAG+21] Kevin De Angeli, Eeman Abbasi, Alan Gan, Daniel J. Ingram, Xingli Giam, and Charlotte H. Chang. Modeling the impact of wild harvest on plant–disperser mutualisms: Plant and disperser co-harvest model. *Ecological Modelling*, 439(??):??, January 1, 2021. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380020303951`.

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[DAQ20] Eliza S. Deutsch, Ibrahim Alameddine, and Song S. Qian. Using structural equation modeling to better understand *Microcystis* biovolume dynamics in a Mediterranean hypereutrophic reservoir. *Ecological Modelling*, 435(??):??, November 1, 2020. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380020303525`.

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[Dav22] Katrina J. Davis. Managed culls mean extinction for a marine mammal population when combined with extreme climate impacts. *Ecological Modelling*, 473(??):??, November 2022. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S030438002200223X`.

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[DBDR22] Giulia Datola, Marta Bottero, Elena De Angelis, and Francesco Romagnoli. Operationalising resilience: a methodological framework for assessing urban resilience through System Dynamics Model. *Ecological Modelling*, 465(??):??, March 2022. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380021003896`.

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[DBH+22] Jane E. Dentinger, Luca Börger, Mark D. Holton, Ruholla Jafari-Marandi, Durham A. Norman, Brian K. Smith, Seth F. Oppenheimer, Bronson K. Strickland, Rory P. Wilson, and Garrett M. Street. A probabilistic framework for behavioral identification from animal-borne accelerometers. *Ecological Modelling*, 464(??):??, February 2022. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380021003628`.

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[DBK20] Siddhant Dash, Smitom Swapna Borah, and Ajay S. Kalamdhad. Study of the limnology of wetlands through a one-dimensional model for assessing the eutrophication levels induced by various pollution sources. *Ecological Modelling*, 416(??):??, January 15, 2020. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380019304156`.

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[DBN+22] Esther Gnilane Diouf, Thierry Brévault, Saliou Ndiaye, Emile Faye, Anaïs Chailleux, Paterne Diatta, and Cyril Piou. An agent-based model to simulate the boosted Sterile Insect Technique for fruit fly management. *Ecological Modelling*, 468(??):??, June 2022. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380022000710`.

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[DBV+22] Hassan C. David, Reinaldo I. Barbosa, Alexander C. Vibrans, Luciano F. Watzlawick, Jonathan W. Trautenmuller, Rafaelo Balbinot, Sabina C. Ribeiro, Laércio A. G. Jacovine, Ana Paula D. Corte, Carlos R. Sanquetta, Alessandra Calegari da Silva, Joberto Veloso de Freitas, and David W. MacFarlane. The tropical biomass & carbon project — an application for forest biomass and carbon estimates. *Ecological Modelling*, 472(??):??, October 2022. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380022001752`.

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[DCT+21] Carson E. Dann, M. L. Cabrera, R. Thapa, S. Mirsky, K. Tully, C. Reberg-Horton, R. Hitchcock, and F. Morari. Modeling water potential of cover crop residues on the soil surface. *Ecological Modelling*, 459(??):??, November 1, 2021. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380021002635`.

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[DDG+21] Stephanie G. Diaz, Donald L. DeAngelis, Michael S. Gaines, Andrew Purdon, Michael A. Mole, and Rudi J. van Aarde. Development and validation of a spatially-explicit agent-based model for space utilization by African savanna elephants (*Loxodonta africana*) based on determinants of movement. *Ecological Modelling*, 447(??):??, May 1, 2021. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380021000703`.

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[DDH+22] Tomas Della Chiesa, Stephen J. Del Grosso, Melannie D. Hartman, William J. Parton, Laura Echarte, Laura Yahdjian, and Gervasio Piñeiro. A novel mechanism to simulate intercropping and relay cropping using the `DayCent` model. *Ecological Modelling*, 465(??):??, March 2022. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380021004075`.

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[DDL+20] Natalie A. Dowling, Catherine M. Dichmont, George M. Leigh, Sean Pascoe, Rachel J. Pears, Tom Roberts, Sian

Breen, Toni Cannard, Aaron Mamula, and Marc Mangel. Optimising harvest strategies over multiple objectives and stakeholder preferences. *Ecological Modelling*, 435(??):??, November 1, 2020. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380020303136`.

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[DEMJ24] Robert Daniels, Ava Ellett, Katherine McCombs, and John Jacobs. *Vibrio vulnificus* infections from water exposure in the Chesapeake Bay: Are they predictable? *Ecological Modelling*, 488(??):??, February 2024. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380023003241`.

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[GSR+23] Ya Gao, Chen Sun, Tiago B. Ramos, Zailin Huo, Guanhua Huang, and Xu Xu. Modeling nitrogen dynamics and biomass production in rice paddy fields of cold regions with the ORYZA-N model. *Ecological Modelling*, 475(??):??, January 2023. CODEN ???? ISSN ???? URL `http://www.sciencedirect.com/science/article/pii/S0304380022002824`.

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[HCW+22] Brenda J. Hanley, Michelle Carstensen, Daniel P. Walsh, Sonja A. Christensen, Daniel J. Storm, James G. Booth, Joseph Guinness, Cara E. Them, Md Sohel Ahmed, and Krysten L. Schuler. Informing surveillance through the characterization of outbreak potential of chronic wasting disease in white-tailed deer. *Ecological Modelling*, 471(??):??, September 2022. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380022001648`.

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[HKSM23] Yoshiaki Hata, Tomo'omi Kumagai, Takanori Shimizu, and Yoshiyuki Miyazawa. Implications of seasonal changes in photosynthetic traits and leaf area index for canopy CO_2 and H_2O fluxes in a Japanese cedar (*Cryptomeria japonica* D. Don) plantation. *Ecological Modelling*, 477(??):??, March 2023. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380022003696`.

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[LDX+23] Xiaoxia Ling, Nanyan Deng, Dongliang Xiong, Shen Yuan, Shaobing Peng, Tao Li, and Jianliang Huang. Effect of variation in the observations on the prediction uncertainty in crop model simulation: Use ORYZA (v3) as a case study. *Ecological Modelling*, 476(??):??, February 2023. CODEN ECMODT. ISSN ???? URL `http://www.sciencedirect.com/science/article/pii/S0304380022003313`.

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[LGFT+20] Sébastien Lambert, Emmanuelle Gilot-Fromont, Carole Toïgo, Pascal Marchand, Elodie Petit, Bruno Garin-Bastuji, Dominique Gauthier, Jean-Michel Gaillard, Sophie Rossi, and Anne Thébault. An individual-based model to assess the spatial and individual heterogeneity of *Brucella melitensis* transmission in Alpine ibex. *Ecological Modelling*, 425(??):??, June 1, 2020. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380020300818`.

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[LGL+24] Xin Liu, Ruiying Geng, Xin Lv, Xiaoke Hu, Thang Nam Do, and Meng Liu. From dynamics to sustainability: Modeling the shrimp (*Penaeus chinensis*) fishery in Shandong, China. *Ecological Modelling*, 489(??):??, March 2024. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380023003307`.

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[LHJ+24] Moyang Liu, Serena H. Hamilton, Anthony J. Jakeman, Julien Lerat, Callum Savage, and Barry F. W. Croke. Assessing the contribution of hydrologic and climatic factors on vegetation condition changes in semi-arid wetlands: an analysis for the Narran Lakes. *Ecological Modelling*, 487(??):??, January 2024. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380023002983`.

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[LHL22] Sen Liu, Boyang Han, and Weide Li. Self-healing time of population under dynamic disturbance. *Ecological Modelling*, 470(??):??, August 2022. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380022001260`.

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[LhNA+21] Mahdieh Khalatbari Limaki, Majid Es hagh Nimvari, Seyed Jalil Alavi, Asadollah Mataji, and Farid Kazemnezhad. Potential elevation shift of oriental beech (*Fagus orientalis* L.) in Hyrcanian mixed forest ecoregion under future global warming. *Ecological Modelling*, 455(??):??, September 1, 2021. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380021001988`. See corrigendum [LhNA+22].

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[LK20] Amy K. Langston and David A. Kaplan. Modelling the effects of climate, predation, and dispersal on the poleward range expansion of black mangrove (*Avicennia germinans*). *Ecological Modelling*, 434(??):??, October 15, 2020. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S030438002030315X`.

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[LK24a] K. Lika and S. A. L. M. Kooijman. The metabolic interpretation of the von Bertalanffy growth rate. *Ecological Modelling*, 488(??):??, February 2024. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380023003216`.

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[LMW+23a] Zekun Lin, Fanxin Meng, Dongfang Wang, Danqi Liao, Yutong Sun, Jiaqi Hou, Gengyuan Liu, Biagio Fernando Giannetti, Feni Agostinho, and Cecília M. V. B. Almeida. Unfolding carbon inequality across belt and road initiative countries and regions under a global trade network. *Ecological Modelling*, 482(??):??, August 2023. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic).

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Lucash:2023:BTF

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[MAD+20] Julien J. Malard, Jan Franklin Adamowski, Marcela Rojas Díaz, Jessica Bou Nassar, Nallusamy Anandaraja, Héctor Tuy, Luís Andrés Arévalo-Rodriguez, and Hugo Ramiro Melgar-Quiñonez. Agroecological food web modelling to evaluate and design organic and conventional agricultural systems. *Ecological Modelling*, 421(??):??, April 1, 2020. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380020300338`.

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[MRR+20] Thales G. V. Martins, Geraldo G. Reis, Maria G. F. Reis, Lucas A. A. Telles, Mayara R. Lage, Gleidson G. C. Mendes, Dayane L. Pinto, Nero L. M. Castro, Alexandre S. Lorenzon, Ricardo S. Silva, and Duberlí G. E. Gonzáles. Potential planting areas for native tree species in Minas Gerais State, Brazil, based on environmental variables and wood demand. *Ecological Modelling*, 432(??):??, September 15, 2020. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380020302817`.

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[MYH+20] Yoshio Masuda, Yasuhiro Yamanaka, Takafumi Hirata, Hideyuki Nakano, and Takashi S. Kohyama. Inhibition of competitive exclusion due to phytoplankton dispersion: a contribution for solving Hutchinson's paradox. *Ecological Modelling*, 430(??):??, August 15, 2020. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0304380020301617.

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[NAM22] Alireza Nikouei, Mohammad Reza Asgharipour, and Zahra Marzban. Modeling land allocation to produce crops under economic and environmental goals in Iran: a multi-objective programming approach. *Ecological Modelling*, 471(??):??, September 2022. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380022001703`.

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[NBMD21] L. Nilsson, N. Bunnefeld, J. Minderman, and A. B. Duthie. Effects of stakeholder empowerment on crane population and agricultural production. *Ecological Modelling*, 440(??):??, January 15, 2021. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380020304609`.

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[NBML21] Nader Nakhaei, Leon Boegman, Mahyar Mehdizadeh, and Mark Loewen. Three-dimensional biogeochemical modeling of eutrophication in Edmonton stormwater ponds. *Ecological Modelling*, 456(??):??, September 15, 2021. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380021002428`.

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[NBU+23] Erica A. Newman, Micah Brush, Kaito Umemura, Meng Xu, and John Harte. Defining an ecological equation of state: Response to Riera et al. 2023. *Ecological Modelling*, 486(??):??, December 2023. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380023002624`. See [RFHR23, RFHR24].

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[NDNN22] Anh Duc Nguyen, Dung Ngoc Do, Hung Duc Nguyen, and Thuy Phuong Nguyen. Stability analysis and Hopf bifurcation of a brown planthopper–rice model under the effect of monsoon. *Ecological Modelling*, 468(??):??, June 2022. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380022000631`.

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[NGA+20] Gary A. Nelson, Benjamin I. Gahagan, Michael P. Armstrong, Adrian Jordaan, and Alison Bowden. A life cycle simulation model for exploring causes of population change in alewife (*Alosa pseudoharengus*). *Ecological Modelling*, 422(??):??, April 15, 2020. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380020300764`.

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[NGA+24] Fatemeh Nakhaii, Seyed Ahmad Ghanbari, Mohammad Reza Asgharipour, Esmaeel Seyedabadi, and Enrico Sciubba. Evaluating ecological sustainability of mechanized and traditional systems of damaskrose production using extended exergy analysis. *Ecological Modelling*, 488(??):??, February 2024. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380023003253`.

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[NGE+21] Ayana Neta, Roni Gafni, Hilit Elias, Nitsan Bar-Shmuel, Liora Shaltiel-Harpaz, Efrat Morin, and Shai Morin. Decision support for pest management: Using field data for optimizing temperature-dependent population dynamics models. *Ecological Modelling*, 440(??):??, January 15, 2021. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380020304658`.

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[NHGP23] Marcela C. Nascimento, Berengere Husson, Lilia Guillet, and Torstein Pedersen. Modelling the spatial shifts of functional groups in the Barents Sea using a climate-driven spatial food web model. *Ecological Modelling*, 481(??):??, July

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[NK23] Etsuko Nonaka and Anna Kuparinen. Limited effects of size-selective harvesting and harvesting-induced life-history changes on the temporal variability of biomass dynamics in complex food webs. *Ecological Modelling*, 476(??): ??, February 2023. CODEN ECMODT. ISSN ???? URL `http://www.sciencedirect.com/science/article/pii/S0304380022002514`.

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[NKT+20] K. Nakayama, K. Komai, K. Tada, H. C. Lin, H. Yajima, S. Yano, M. R. Hipsey, and J. W. Tsai. Modeling dissolved inorganic carbon considering submerged aquatic vegetation. *Ecological Modelling*, 431(??):??, September 1, 2020. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380020302593`.

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[NL20] Shipeng Nie and Weide Li. How spatial structure of species and disturbance influence the ecological invasion. *Ecological Modelling*, 431(??):??, September 1, 2020. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380020302696`.

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[NLMM23] Ayana Neta, Yoav Levi, Efrat Morin, and Shai Morin. Seasonal forecasting of pest population dynamics based on downscaled SEAS5 forecasts. *Ecological Modelling*, 480(??):??, June 2023. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380023000546`.

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[NMC+20] Emily Neil, Jens Koed Madsen, Ernesto Carrella, Nicolas Payette, and Richard Bailey. Agent-based modelling as a tool for elephant poaching mitigation. *Ecological Modelling*, 427(??):??, July 1, 2020. CODEN EC-

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[NND+22] Kevin D. Newman, Jenny L. Nelson, Louise K. Durkin, Jemma K. Cripps, and Michael A. McCarthy. An analytical solution for optimising detections when accounting for site establishment costs. *Ecological Modelling*, 473(??):??, November 2022. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380022002186`.

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[NO23] Tadanobu Nakayama and Masahiro Osako. Development of a process-based eco-hydrology model for evaluating the spatio-temporal dynamics of macro- and microplastics for the whole of Japan. *Ecological Modelling*, 476 (??):??, February 2023. CODEN ECMODT. ISSN ???? URL `http://www.sciencedirect.com/science/article/pii/S0304380022003416`.

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[NO24] Tadanobu Nakayama and Masahiro Osako. Plastic tradeoff: Impact of export and import of waste plastic on plastic

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[NPS+23] Gorazd Novak, Polona Pengal, Ana T. Silva, José M. Domínguez, Angelo Tafuni, Matjaž Četina, and Dušan Žagar. Interdisciplinary design of a fish ramp using migration routes analysis. *Ecological Modelling*, 475(??):??, January 2023. CODEN ???? ISSN ???? URL `http://www.sciencedirect.com/science/article/pii/S0304380022002873`.

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[NSS+23] L. Nardella, A. Sebastiani, M. Stafoggia, P. P. Franzese, and F. Manes. Modelling PM_{10} removal in three Italian coastal metropolitan cities along a latitudinal gradient. *Ecological Modelling*, 483(??):??, September 2023. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380023001540`.

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[NWJ+22] David Nguyen, Tanay Wakhare, Jing Jiao, Kellen Myers, Oyita Udiani, and Nina H. Fefferman. Seasonality in multi-host disease systems. *Ecological Modelling*, 470(??):??, August 2022. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380022000886`.

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[NWO21] Tadanobu Nakayama, Qinxue Wang, and Tomohiro Okadera. Evaluation of spatio-temporal variations in water availability using a process-based eco-hydrology model in arid and semi-arid regions of Mongolia. *Ecological Modelling*, 440(??):??, January 15, 2021. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380020304671`.

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[NYH20] Anja Nölte, Rasoul Yousefpour, and Marc Hanewinkel. Changes in sessile oak (*Quercus petraea*) productivity under climate change by improved leaf phenology in the 3-PG model. *Ecological Modelling*, 438(??):??, December 15, 2020. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380020303550`.

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[OBFH22] Bruno M. Oliveira, Roelof Boumans, Brian D. Fath, and Joseph Harari. Socio-ecological systems modelling of coastal

urban area under a changing climate — case study for Ubatuba, Brazil. *Ecological Modelling*, 468(??):??, June 2022. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380022000734`.

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[OCT+23] Maxime Olmos, Jie Cao, James T. Thorson, André E. Punt, Cole C. Monnahan, Baptiste Alglave, and Cody Szuwalski. A step towards the integration of spatial dynamics in population dynamics models: Eastern Bering Sea snow crab as a case study. *Ecological Modelling*, 485(??):??, November 2023. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380023002144`.

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[OFH+20] Nikica Ogris, Mitja Ferlan, Tine Hauptman, Roman Pavlin, Andreja Kavčič, Maja Jurc, and Maarten de Groot. Sensitivity analysis, calibration and validation of a phenology model for *Pityogenes chalcographus* (CHAPY). *Ecological Modelling*, 430(??):??, August 15, 2020. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380020302088`.

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[OHH+21] Jonathan J. Ojeda, Neil Huth, Dean Holzworth, Rubí Raymundo, Robert F. Zyskowski, Sarah M. Sinton, Alexandre J. Michel, and Hamish E. Brown. Assessing errors during simulation configuration in crop models — a global case study using APSIM-Potato. *Ecological Modelling*, 458(??):??, October 15, 2021. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380021002593`.

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[OHP+23] Elizabeth K. Orning, Julie A. Heinrichs, David A. Pyke, Peter S. Coates, and Cameron L. Aldridge. Using state-and-transition simulation models to scope post-fire success in restoring greater sage-grouse habitat. *Ecological Modelling*, 483(??):??, September 2023. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic).

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[OHR+23] Anne Willem Omta, Elizabeth A. Heiny, Harshana Rajakaruna, David Talmy, and Michael J. Follows. Trophic model closure influences ecosystem response to enrichment. *Ecological Modelling*, 475(??):??, January 2023. CODEN ???? ISSN ???? URL http://www.sciencedirect.com/science/article/pii/S0304380022002812.

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[OKS+21] Stephen E. Osakpolor, Mira Kattwinkel, Jens Schirmel, Alexander Feckler, Alessandro Manfrin, and Ralf B. Schäfer. Mini-review of process-based food web models and their application in aquatic-terrestrial meta-ecosystems. *Ecological Modelling*, 458(??):??, October 15, 2021. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0304380021002659.

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[Oku21] Toshinori Okuyama. Dilution effects enhance variation in parasitism risk among hosts and stabilize host–parasitoid population dynamics. *Ecological Modelling*, 441(??):??, February 1, 2021. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0304380020304816.

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[OMP+23] Marc Ohlmann, Catherine Matias, Giovanni Poggiato, Stéphane Dray, Wilfried Thuiller, and Vincent Miele. Quantifying the overall effect of biotic interactions on species distributions along environmental gradients. *Ecological Modelling*, 483(??):??, September 2023. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0304380023001552.

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[OSH+21] Oluwafemi D. Olusoji, Jurg W. Spaak, Mark Holmes, Thomas Neyens, Marc Aerts, and Frederik De Laender. cyanoFilter: an R package to identify phytoplankton populations from

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[OSPZ22] Aichouche Oubraham, Patrick Saint-Pierre, and Georges Zaccour. Viability of a multi-parcel agroecological system. *Ecological Modelling*, 470(??):??, August 2022. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380022001314`.

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[OZSU22] M. Oliveira, A. Zucaro, R. Santagata, and S. Ulgiati. Environmental assessment of milk production from local to regional scales. *Ecological Modelling*, 463(??):??, January 2022. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380021003410`.

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[PA20] S. Ya. Pak and A. I. Abakumov. Phytoplankton in the Sea of Okhotsk along Western Kamchatka: warm *vs* cold

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[PAB+22] Benjamin Planque, Johanna M. Aarflot, Lucie Buttay, JoLynn Carroll, Filippa Fransner, Cecilie Hansen, Bérengère Husson, Øystein Langangen, Ulf Lindstrøm, Torstein Pedersen, Raul Primicerio, Elliot Sivel, Morten D. Skogen, Evelyn Strombom, Leif Christian Stige, Øystein Varpe, and Nigel G. Yoccoz. A standard protocol for describing the evaluation of ecological models. *Ecological Modelling*, 471(??):??, September 2022. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380022001685`.

Pinheiro:2024:CVA

[PAdS+24] Antonio Gebson Pinheiro, Cleber Pereira Alves, Carlos André Alves de Souza, George do Nascimento Araújo Júnior, Alexandre Maniçoba da Rosa Ferraz Jardim, José Edson Florentino de Morais, Luciana Sandra Bastos de Souza, Daniela de Carvalho Lopes, Antonio José Steidle Neto, Abelardo Antonio de Assunção Montenegro, João Emanoel Ambrósio Gomes, and Thieres George Freire da Silva. Calibration and validation of the AquaCrop model for production arrangements of forage cactus and grass in a semi-arid environment. *Ecological Modelling*, 488(??):??, February 2024. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380023003368`.

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Pimenta:2022:OSD

[PAS+22] Mayra Pimenta, André Felipe Alves de Andrade, Fernando Hiago Souza Fernandes, Mayra Pereira de Melo Amboni, Renata Silva Almeida, Ana Hermínia Simões de Bello Soares, Guth Berger Falcon, Daniel Santana Lorenzo Raíces, and Paulo De Marco Júnior. One size does not fit all: Priority areas for real world problems. *Ecological Modelling*, 470(??): ??, August 2022. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380022001247`.

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[PAS23] Kostas Papafitsoros, Lukáš Adam, and Gail Schofield. A social media-based framework for quantifying temporal changes to wildlife viewing intensity. *Ecological Modelling*, 476 (??):??, February 2023. CODEN ECMODT. ISSN ???? URL `http://www.sciencedirect.com/science/article/pii/S0304380022003210`.

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Pata:2021:IEC

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[RBEH21] Sean K. Rohan, David A. Beauchamp, Timothy E. Essington, and Adam G. Hansen. Merging empirical and mechanistic approaches to modeling aquatic visual foraging using a generalizable visual reaction distance model. *Ecological Modelling*, 457(??):??, October 1, 2021. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0304380021002465.

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[RBGB23] Sourav Rana, Ayanendranath Basu, Sinchan Ghosh, and Sabyasachi Bhattacharya. Moths exhibit strong memory among cooperative species of other taxonomic groups: an empirical study. *Ecological Modelling*, 476(??):??, February 2023. CODEN ECMODT. ISSN ???? URL http://www.sciencedirect.com/science/article/pii/S0304380022003337.

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[RBLS23] Anu Rai, Tawqir Bashir, Elio Guarionex Lagunes–Díaz, and Bibek Shrestha. Modeling Ganges river dolphin distribution and prioritizing areas for efficient conservation planning — a range-wide assessment. *Ecological Modelling*, 481(??):??, July 2023. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL http://www.sciencedirect.com/science/article/pii/S030438002300090X.

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[RBMRR20] E. Soraya Rawlings, J. C. Barrera-Martinez, and Vicente Rico-Ramirez. Fisher information calculation in a complex ecological model: an optimal control-based approach. *Ecological Modelling*, 416(??):??, January 15, 2020. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0304380019303539.

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[RBVL+20] Paloma Ruiz-Benito, Giorgio Vacchiano, Emily R. Lines, Christopher P. O. Reyer, Sophia Ratcliffe, Xavier Morin, Flo-

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[RCCLMGV22] C. Ramirez-Carrasco, F. Córdova-Lepe, F. N. Moreno-Gómez, and N. A. Velásquez. A mathematical model for the impact of noise on population dynamics of a single species experiencing Lombard effect. *Ecological Modelling*, 470(??):??, August 2022. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380022001326`.

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[RCSS20] Luca Rossini, Mario Contarini, Maurizio Severini, and Stefano Speranza. Reformulation of the distributed delay model to describe insect pest populations using count variables. *Ecological Modelling*, 436(??):??, November 15, 2020. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380020303562`.

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[RFCEL22] Claudie Ratté-Fortin, Karem Chokmani, Anas El Alem, and Isabelle Laurion. A regional model to predict the occurrence of natural events: Application to phytoplankton blooms in continental waterbodies. *Ecological Modelling*, 473(??):??, November 2022. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380022002381`.

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[RFdL+24] Grazieli Rodigheri, Denise Cybis Fontana, Luana Becker da Luz, Genei Antonio Dalmago, Lucimara Wolfarth Schirmbeck, Juliano Schirmbeck, Jorge Alberto de Gouvêa, and

Gilberto Rocca da Cunha. TVDI-based water stress coefficient to estimate net primary productivity in soybean areas. *Ecological Modelling*, 490(??):??, April 2024. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380024000255`.

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[RFF+23] Bianca Fazio Rius, João Paulo Darela Filho, Katrin Fleischer, Florian Hofhansl, Carolina Casagrande Blanco, Anja Rammig, Tomas Ferreira Domingues, and David Montenegro Lapola. Higher functional diversity improves modeling of Amazon forest carbon storage. *Ecological Modelling*, 481(??): ??, July 2023. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380023000510`.

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[RFHR23] Rodrigo Riera, Brian D. Fath, Ada M. Herrera, and Ricardo A. Rodríguez. Concerns regarding the proposal for an ecological equation of state: an assessment starting from the organic biophysics of ecosystems (OBEC). *Ecological Modelling*, 484(??):??, October 2023. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380023001916`. See response [NBU+23] and reply [RFHR24].

Riera:2024:SRI

[RFHR24] Rodrigo Riera, Brian D. Fath, Ada M. Herrera, and Ricardo A. Rodríguez. A strategic roadmap for interdisciplinary modeling in ecology: the result of reading *Defining an ecological equation of state: Response to Riera et al. 2023* (Newman et al., 2023). *Ecological Modelling*, 490(??):??, April 2024. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380024000449`. See [RFHR23, NBU+23].

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[RFJ+22] E-Ping Rau, Fabian Fischer, Émilie Joetzjer, Isabelle Maréchaux, I Fang Sun, and Jérôme Chave. Transferability of an individual- and trait-based forest dynamics model: a test case across the tropics. *Ecological Modelling*, 463(??):??,

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[RGB22] Trina Roy, Sinchan Ghosh, and Sabyasachi Bhattacharya. A new growth curve model portraying the stress response regulation of fish: Illustration through particle motion and real data. *Ecological Modelling*, 470(??):??, August 2022. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0304380022001120.

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[RGB+23] Baptiste Rouger, Isabelle Goldringer, Pierre Barbillon, Anne Miramon, Abdel Kader Naino Jika, and Mathieu Thomas. Sensitivity analysis of a crop metapopulation model. *Ecological Modelling*, 475(??):??, January 2023. CODEN ???? ISSN ???? URL http://www.sciencedirect.com/science/article/pii/S0304380022002757.

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[RGRMRR20] Pablo T. Rodriguez-Gonzalez, Ramiro Rico-Martinez, and Vicente Rico-Ramirez. Effect of feedback loops on the sustainability and resilience of human-ecosystems. *Ecological Modelling*, 426(??):??, June 15, 2020. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380020300909`.

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[RJY+20] Jeffrey S. Ren, Xianshi Jin, Tao Yang, Sebastiaan A. L. M. Kooijman, and Xiujuan Shan. A dynamic energy budget model for small yellow croaker *Larimichthys polyactis*: Parameterisation and application in its main geographic distribution waters. *Ecological Modelling*, 427(??):??, July 1, 2020. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S030438002030123X`.

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[RK20] Edward B. Rastetter and Bonnie L. Kwiatkowski. An approach to modeling resource optimization for substitutable and interdependent resources. *Ecological Modelling*, 425(??):??, June 1, 2020. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380020301058`.

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[RKN+21] Hanane Rhomad, Karima Khalil, Ramiro Neves, Blaid Bougadir, and Khalid Elkalay. Modeling investigation of the nutrients and phytoplankton dynamics in the Moroccan Atlantic coast: a case study of Agadir coast. *Ecological Modelling*, 447(??):??, May 1, 2021. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380021000818`.

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[RLS+24] Matteo Rizzuto, Shawn J. Leroux, Oswald J. Schmitz, Eric Vander Wal, Yolanda F. Wiersma, and Travis R. Heckford. Animal-vectored nutrient flows across resource gradients influence the nature of local and meta-ecosystem functioning. *Ecological Modelling*, 488(??):??, February 2024. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380023003009`.

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[RM20] Michael S. Romanov and Vladimir B. Masterov. Low breeding performance of the Steller's sea eagle (*Haliaeetus pelagicus*) causes the populations to decline. *Ecological Modelling*, 420(??):??, March 15, 2020. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380019303850`.

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[RMA+24] Diego Rondon, Samu Mäntyniemi, Jouni Aspi, Laura Kvist, and Mikko J. Sillanpää. A Bayesian multi-state model with data augmentation for estimating population size and effect of inbreeding on survival. *Ecological Modelling*, 490(??):??, April 2024. CODEN ECMODT. ISSN 0304-3800 (print),

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[RMK21] Tomás A. Revilla, Thomas Marcou, and Vlastimil Křivan. Plant competition under simultaneous adaptation by herbivores and pollinators. *Ecological Modelling*, 455(??):??, September 1, 2021. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0304380021001939.

Ramakhanna:2022:CSP

[RMO22] Selebalo Joseph Ramakhanna, Botle Esther Mapeshoane, and Christian Thine Omuto. Carbon sequestration potential in croplands in Lesotho. *Ecological Modelling*, 471(??):??, September 2022. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0304380022001624.

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[RMV+24] H. Raapoto, C. J. Monaco, S. Van Wynsberge, R. Le Gendre, and J. Le Luyer. Assessing regional connectivity patterns of bivalvia in fragmented archipelagos: Insights from biophysical modeling in French Polynesia. *Ecological Modelling*, 489(??):??, March 2024. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0304380024000152.

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[RP22] Carlo Ricotta and Sandrine Pavoine. A new parametric measure of functional dissimilarity: Bridging the gap between the Bray–Curtis dissimilarity and the Euclidean distance. *Ecological Modelling*, 466(??):??, April 2022. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0304380022000084.

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[RPARM20] María Rocío Ruíz-Pérez, M. Desirée Alba-Rodríguez, and Madelyn Marrero. The water footprint of city naturalisation. Evaluation of the water balance of city gardens. *Ecological Modelling*, 424(??):??, May 15, 2020. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (elec-

tronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380020301034`.

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[RPB+23] Jorge A. Ramirez, Nadav Peleg, Andy J. Baird, Dylan M. Young, Paul J. Morris, Marie Larocque, and Michelle Garneau. Modelling peatland development in high-boreal Quebec, Canada, with `DigiBog_Boreal`. *Ecological Modelling*, 478(??): ??, April 2023. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380023000261`.

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[RPG20] Kim J. Rakel, Thomas G. Preuss, and André Gergs. Individual-based dynamic energy budget modelling of earthworm life-histories in the context of competition. *Ecological Modelling*, 432(??):??, September 15, 2020. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380020302921`.

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[RPT21] Xavier Rotllan-Puig and Anna Traveset. Determining the minimal background area for species distribution models: MinBAR package. *Ecological Modelling*, 439(??):??, January 1, 2021. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380020304191`.

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[RRCZ20] Jeffrey S. Ren, Norman L. C. Ragg, Vonda J. Cummings, and Jihong Zhang. Ocean acidification and dynamic energy budget models: Parameterisation and simulations for the greenlipped mussel. *Ecological Modelling*, 426(??):??, June 15, 2020. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380020301411`.

Ruiz-Rodriguez:2022:RWB

[RRFLV+22] Carmen Ruiz-Rodríguez, Javier Fernández-López, Joaquín Vicente, José A. Blanco-Aguiar, and Pelayo Acevedo. Revisiting wild boar spatial models based on hunting yields to assess their predictive performance on interpolation and extrap-

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Reichert:2023:MCC

[RRP+23] Tatiana Reichert, Anja Rammig, Phillip Papastefanou, Laynara F. Lugli, João P. Darela Filho, Konstantin Gregor, Lucia Fuchslueger, Carlos A. Quesada, and Katrin Fleischer. Modeling the carbon costs of plant phosphorus acquisition in Amazonian forests. *Ecological Modelling*, 485(??):??, November 2023. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380023002211`.

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[RS23] Alok Raj and Laxmi Kant Sharma. Spatial E-PSR modelling for ecological sensitivity assessment for arid rangeland resilience and management. *Ecological Modelling*, 478(??):??, April 2023. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S030438002300011X`.

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[RSASP22] Elham Rafiei-Sardooi, Ali Azareh, Sharif Joorabian Shooshtari, and Eric J. R. Parteli. Long-term assessment of land-use and climate change on water scarcity in an arid basin in Iran. *Ecological Modelling*, 467(??):??, May 2022. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380022000576`.

Raju:2023:VHR

[RSB+23] Anjumol Raju, S. Sijikumar, Pramit Kumar Deb Burman, Vinu Valsala, Yogesh K. Tiwari, Sandipan Mukherjee, Priyanka Lohani, and Kireet Kumar. Very high-resolution Net Ecosystem Exchange over India using Vegetation Photosynthesis and Respiration Model (VPRM) simulations. *Ecological Modelling*, 481(??):??, July 2023. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380023000686`.

Ricci:2021:MTR

[RSC+21] P. Ricci, L. Sion, F. Capezzuto, G. Cipriano, G. D'Onghia, S. Libralato, P. Maiorano, A. Tursi, and R. Carlucci. Modelling the trophic roles of the demersal Chondrichthyes in the Northern Ionian Sea (Central Mediterranean Sea). *Ecological Modelling*, 444(??):??, March 15, 2021. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380021000405`.

Ricci:2023:IFC

[RSC+23] P. Ricci, N. Serpetti, D. Cascione, G. Cipriano, G. D'Onghia, D. De Padova, C. Fanizza, M. Ingrosso, and R. Carlucci. Investigating fishery and climate change effects on the conservation status of odontocetes in the Northern Ionian Sea (Central Mediterranean Sea). *Ecological Modelling*, 485(??):??, November 2023. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380023002302`.

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[RSWS23] Emma Chollet Ramampiandra, Andreas Scheidegger, Jonas Wydler, and Nele Schuwirth. A comparison of machine learning and statistical species distribution models: Quantifying overfitting supports model interpretation. *Ecological Modelling*, 481(??):??, July 2023. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380023000819`.

Rodrigues:2021:MST

[RTH+21] Vinícius Barros Rodrigues, Elio Tuci, Horst Holstein, Miriam S. Bowen, Diogo Andrade Costa, Lucy T. Takahashi, Paulo Fellipe Cristaldo, and Og DeSouza. Macro-symbiosis triggered by a defence-reproduction tradeoff in a social insect. *Ecological Modelling*, 462(??):??, December 15, 2021. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380021003276`.

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[RUTY23] Renu, Ranjit Kumar Upadhyay, S. P. Tiwari, and R. P. Yadav. Analysis of interval-valued model for interaction between plankton-fish population in marine ecosystem. *Ecological Modelling*, 484(??):??, October 2023. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380023001795`.

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[RWF22] B. Veena Shankara Narayana Rao, J. R. Walton, and M. Fujiwara. A mathematical model to investigate the effects of fishing zone configurations and mass dependent rates on biomass yield: Application to brown shrimp in Gulf of Mexico. *Ecological Modelling*, 463(??):??, January 2022. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380021003288`.

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[RWS+21] Robin E. Russell, Daniel P. Walsh, Michael D. Samuel, Martin D. Grunnill, and Tonie E. Rocke. Space matters: host spatial structure and the dynamics of plague transmission. *Ecological Modelling*, 443(??):??, March 1, 2021. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380021000235`.

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[SACE+20] Alvaro Sierra-Altamiranda, Hadi Charkhgard, Mitchell Eaton, Julien Martin, Simeon Yurek, and Bradley J. Udell.

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Sillero:2021:WMS

[SACEU+21] Neftalí Sillero, Salvador Arenas-Castro, Urtzi Enriquez-Urzelai, Cândida Gomes Vale, Diana Sousa-Guedes, Fernando Martínez-Freiría, Raimundo Real, and A. Márcia Barbosa. Want to model a species niche? A step-by-step guideline on correlative ecological niche modelling. *Ecological Modelling*, 456(??):??, September 15, 2021. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380021002301`.

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[SAdA+22] Juliano Scarpelin, Feni Dalano Roosevelt Agostinho, Cecília Maria Villas Bôas de Almeida, Biagio Fernando Giannetti, and Lívia Cristina Pinto Dias. Valuation of losses and damages resulting from the Fundão's dam failure: an emergy perspective. *Ecological Modelling*, 471(??):??, September 2022. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380022001612`.

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[Sak23] Tomoko Sakiyama. Spatial inconsistency of memorized positions produces different types of movements. *Ecological Modelling*, 481(??):??, July 2023. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S030438002300087X`.

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[SAL+22] Guzel Salimova, Alisa Ableeva, Tatiana Lubova, Aidar Sharafutdinov, and Irek Araslanbaev. Multidimensional modeling of the economy of forest management and reforestation. *Ecological Modelling*, 472(??):??, October 2022. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (elec-

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[SGTS21] Lisa K. Schneider, Nathalie Gypens, Tineke A. Troost, and Willem Stolte. Modeling mixoplankton along the biogeochemical gradient of the Southern North Sea. *Ecological Modelling*, 459(??):??, November 1, 2021. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0304380021002477. See corrigendum [SGTS23].

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[SLYL+20] Nathanaël Sangare, Alain Lo-Yat, Gilles Le Moullac, Laure Pecquerie, Yoann Thomas, Sébastien Lefebvre, Romain Le Gendre, Benoît Beliaeff, and Serge Andréfouët. Impact of environmental variability on *Pinctada margaritifera* life-history traits: a full life cycle DEB modeling approach. *Ecological Modelling*, 423(??):??, May 1, 2020. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL http://www.sciencedirect.com/science/article/pii/S0304380020300788.

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[SOV21] Yunyi Shen, Erik R. Olson, and Timothy R. Van Deelen. Spatially explicit modeling of community occupancy using Markov random field models with imperfect observation: Mesocarnivores in Apostle Islands National Lakeshore. *Ecological Modelling*, 459(??):??, November 1, 2021. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380021002660`.

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[SPB+24] Rebecca L. Scott, Nathan F. Putman, R. Taylor Beyea, Hallie C. Repeta, and Cameron H. Ainsworth. Modeling transport and feeding of juvenile Kemp's ridley sea turtles on the West Florida shelf. *Ecological Modelling*, 490(??):??, April 2024. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380024000474`.

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[SPV+20] Michiel Stock, Niels Piot, Sarah Vanbesien, Bernard Vaissière, Clémentine Coiffait-Gombault, Guy Smagghe, and Bernard De Baets. Information content in pollination network reveals missing interactions. *Ecological Modelling*, 431(??): ??, September 1, 2020. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380020302325`.

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[SPV+21] Michiel Stock, Niels Piot, Sarah Vanbesien, Joris Meys, Guy Smagghe, and Bernard De Baets. Pairwise learning for predicting pollination interactions based on traits and phylogeny. *Ecological Modelling*, 451(??):??, July 1, 2021. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S030438002100079X`.

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[SRTS20] Heiko Schmidt, Johannes Radinger, Daniel Teschlade, and Stefan Stoll. The role of spatial units in modelling freshwater fish distributions: Comparing a subcatchment and river network approach using `MaxEnt`. *Ecological Modelling*, 418(??):??, February 15, 2020. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380020300089`.

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[SSB22] Chayarat Srisunont, Treeranut Srisunont, and Sandhya Babel. Development of models for sustainable green mussel cultivation under climate change events. *Ecological Modelling*, 473(??):??, November 2022. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380022002423`.

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[SSJC23] Gaston E. Small, Marisa Smedsrud, Ivan Jimenez, and Eric Chapman. Simulating the fate of compost-derived nutrients in an urban garden. *Ecological Modelling*, 483(??):??, September 2023. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380023001722`.

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[STQ+22] Rimple Sandhu, Charles Tripp, Eliot Quon, Regis Thedin, Michael Lawson, David Brandes, Christopher J. Farmer, Tricia A. Miller, Caroline Draxl, Paula Doubrawa, Lindy Williams, Adam E. Duerr, Melissa A. Braham, and Todd Katzner. Stochastic agent-based model for predicting turbine-scale raptor movements during updraft-subsidized directional

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[STW+23] Emily A. Sinnott, Frank R. Thompson, Mitch D. Weegman, Thomas R. Thompson, Alisha R. Mosloff, R. Kyle Hedges, and Frank L. Loncarich. Evaluation of seasonal site-level demography and management for northern bobwhite using integrated population models. *Ecological Modelling*, 475(??):??, January 2023. CODEN ???? ISSN ???? URL `http://www.sciencedirect.com/science/article/pii/S030438002200309X`.

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[SZ20] Chenyu Song and Haiping Zhang. Study on turbidity prediction method of reservoirs based on long short term memory neural network. *Ecological Modelling*, 432(??):??, September 15, 2020. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380020302805`.

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[SZL+21] Xuemeng Su, Zhengchao Zhou, Jun'e Liu, Liguo Cao, Junyang Liu, and Peipei Wang. Estimating slope stability by the root reinforcement mechanism of *Artemisia sacrorum* on the Loess Plateau of China. *Ecological Modelling*, 444(??):??, March 15, 2021. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380021000454`.

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[TBCV22] Firouzeh Taghikhah, Justin Borevitz, Robert Costanza, and Alexey Voinov. DAESim: a dynamic agro-ecosystem simulation model for natural capital assessment. *Ecological Modelling*, 468(??):??, June 2022. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380022000539`.

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[TBM+24] Noelle E. Thompson, David J. Butts, Michael S. Murillo, Daniel J. O'Brien, Sonja A. Christensen, William F. Porter, and Gary J. Roloff. An individual-based model for direct and indirect transmission of chronic wasting disease in free-ranging white-tailed deer. *Ecological Modelling*, 491(??):??, May 2024. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380024000851`.

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[TBZ+22] Jianzhao Tang, Huizi Bai, Xinjun Zhang, Rende Wang, Fenghua Guo, Dengpan Xiao, and Haitao Zhou. Reducing potato water footprint by adjusting planting date in the agro-pastoral ecotone in North China. *Ecological Modelling*, 474(??):??, December 2022. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380022002563`.

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[TCG+20] M. M. Téllez, T. Cabello, M. Gámez, F. J. Burguillo, and E. Rodríguez. Comparative study of two predatory mites *Amblyseius swirskii* Athias-Henriot and *Transeius montdorensis* (Schichaa) by predator–prey models for improving biological control of greenhouse cucumber. *Ecological Modelling*, 431(??):??, September 1, 2020. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380020302672`.

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[TGRM23] Birhan Getachew Tikuye, Laurence Gill, Milos Rusnak, and Busnur R. Manjunatha. Modelling the impacts of changing land use and climate on sediment and nutrient retention in Lake Tana Basin, Upper Blue Nile River Basin, Ethiopia. *Ecological Modelling*, 482(??):??, August 2023. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S030438002300114X`.

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[TK20a] Takenori Takada and Yuka Kawai. An analysis of elasticity vector distribution specific to semelparous species using randomly generated population projection matrices and the COMPADRE plant matrix database. *Ecological Modelling*, 431(??):??, September 1, 2020. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380020301976`.

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[TK20b] Benjamin L. Turner and Srinadh Kodali. Soil system dynamics for learning about complex, feedback-driven agricultural resource problems: model development, evaluation, and sensitivity analysis of biophysical feedbacks. *Ecological Modelling*, 428(??):??, July 15, 2020. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (elec-

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[TLH+20] Fenghao Tian, Mingyu Li, Xulong Han, Hui Liu, and Boxian Mo. A production–living–ecological space model for land-use optimisation: a case study of the core Tumen River region in China. *Ecological Modelling*, 437(??):??, December 1, 2020. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL http://www.sciencedirect.com/science/article/pii/S030438002030380X.

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[TPD+24] Meryl Theng, Thomas A. A. Prowse, Steven Delean, Phillip Cassey, and Chloe Bracis. Integrating resource memory and cue-based territoriality to simulate movement dynamics: a process-explicit and pattern-oriented approach. *Ecological Modelling*, 487(??):??, January 2024. CODEN ECMODT. ISSN 0304-3800 (print), 1872-7026 (electronic). URL `http://www.sciencedirect.com/science/article/pii/S0304380023002909`.

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