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Title word cross-reference

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

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

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

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

59^{o} [BSGA21].

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

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

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

[IÁSNCR21, QMG21, TUR+20]. **affecting** [ZLJ+24]. **affects** [ARPFGS23, LRNG24, LHS+20, RWL+24, RBL+20, WWB+20, vdPAV+20]. **affiliation** [HNS21]. **Africa** [GBB+21]. **African** [LL23]. **after** [BWB+22, GPB+20, HBR+22, RVS+22]. **aftermath** [KPS21]. **age** [FHMK20]. **aged** [KSH+23]. **aggregate** [HVMS+21, KL22, ZLIP20]. **aggregate-colonizing** [KL22]. **aggregates** [EWGP22, LCMG+20, ZLIP20]. **aggregation** [ALG+23]. **aggregations** [MBLA+21]. **aging** [SSS+24]. **Aglantha** [MMKWZ22]. **aid** [LHH24]. **aids** [LBJS22]. **air** [ACW+22, CCB+20, MBA+21, SGM+21]. **al** [Ano21b, ZR23, Ano21a]. **al.** [CSH21, PPB+21]. **Alaska** [CCDM21, MDDL22, VJH+22]. **Alaskan** [MK21, SSR+23]. **alewife** [DFJ22, RPA+22]. **Alexandrium** [BH21, PHM21]. **alga** [BK20, GR24, WCH+21]. **algae** [FPBG+22, LLSQ24, THS21]. **algal** [BMGK22, FPG+24, GTKW+20, HPF+23, HM20, KAC+23, KRC23, KWB21, KNG+23, LZG21, SKB+22, ZXZ+23]. **algal-virus** [HPF+23]. **algorithms** [MT23]. **alicyclic** [LPO+20]. **aligns** [CGB+21]. **alkaline** [BWV+20]. **Alkalinity** [YXC+22, DSY20, IMB+22]. **alkenone** [THT+20]. **alkenone-producing** [THT+20]. **alleviates** [RS20]. **allocation** [ZLS+21]. **allochthonous** [CTP21, KBB+22]. **allochthony** [HHK+22]. **allometries** [LLMM+23]. **allow** [RTK23]. **allows** [HMBB21]. **along** [ADLW22, AKT+21, BGAD+22, BWV+20, BBL+21, CÖL+20, CFC+20, CCY+21, CCDM21, DWS+22, EJM+23, GEHD20, HHMH22, IMB+22, IYW+22, JSL+23, JWAvD+22, KPS21, LAFV23, LSC+21, MHP+23, NSK+21, PMF+21, RCMA21, SO23, TKW+23, TKS+20, ZZO+21, ZYZ+21]. **Alosa** [DFJ22]. **alpha** [GCEM+23]. **Alpine** [SPR22, BVL+23, PSE+20, PMD+23, SDS+23, XTL+20, ZLJ+24, DLC+22]. **Alps** [ESW+21]. **alter** [DKBG21, HEH+20, HZS21, MRT+24, ZZWL22]. **alterations** [BCFI+22, CMB+21]. **altered** [BMH+23, LVZ21, RSLW23]. **alternative** [BSIdG23, SH22, SHBA22]. **alters** [JHBB22, KTH+21, MMKWZ22, RLP+20, SMD21, ZZT+21, ZWM22]. **altitude** [DCF+22]. **Aluminum** [ZLL+21, MCS+23]. **Amazon** [CBF+23, LvBS+22, PBP+23, PCN22, dMKB+20]. **Amazonia** [KDZ+24]. **American** [ETG21, WSB+20, YWZ+21]. **Amino** [SRM23, WWGP21, DMS+21, GAS+23, KHSP21, VCT+23, WDS+23]. **ammonia** [FSS+23]. **ammonium** [ACA+22, AWGV20, CEW+21, HBR+22, MSB+22, PCC+23, RWS+22]. **among** [BRB+20, BFE+20, BRB+22, CGGC+21, CLW+21, EWF22, HEH+20, HDS+20, LTJ+20, LLBC20, MGG+24, RCH+20, RBR+23, SVMM+22, SRM23]. **amphipod** [BRB+22]. **amplified** [BTK+21]. **Anaerobic** [LPA+23, ACA+22, MWHR+22, SSM+22b, SZY+20]. **Analyses** [GWS+21, KLG+23, WWGP21, WDS+23]. **Analysis** [MMLPRHCG22, vHHP+21, CDH+21, DMS+21, FHMK20, HTLP23, LN21, MGWS23, SGM+22, WZCK20]. **anammox** [CEW+21, CHP+24, ZQB+21]. **anchialine** [HBY+22]. **Andean** [BLS+22, PBGGRB21]. **anhydrase** [SAD+20]. **animals** [LG21]. **Annual**

[CVF+20, vLWV+20, FR23, SDL22, vdPMF+21]. **Anomalous** [CJB+21]. **anoxia** [AJMG21, CCC+21]. **anoxic** [HBR+22, KdED+20, SSM+22b]. **Antarctic** [CFC+20, CMT+20, NGSS23, BTT23, BJK+21, BBL+21, CT23, CP22, CSNS24, DAB+21, JHvL+23, JWAvD+22, KTH+21, LDS+20, MSGW+20, MP23, MHP+23, SGSF20, WOMWR20, YAH+21, vLWV+20]. **Antarctica** [LWvdM+21, NCC+21, SSP+20, DAB+21]. **Antecedent** [TKM+22, RVS+22]. **Anthropocene** [BAG+24, KDW+23]. **Anthropogenic** [MLL+21, CLW+21, FBK+22, LDB+20, WM20, ZYZ+21]. **anticyclone** [WCC20]. **apex** [MWV22]. **aphotic** [LLL+23]. **appendicularian** [MLS+21]. **application** [LCMG+20, SHPW22]. **Applications** [DAN+22]. **Applying** [WRMP22]. **approach** [ALG+23, ASL+24, DNA+22, FMT+20, GCEM+23, GBW24, KBSA21, KHCG+22, VMP+21]. **approaches** [GWS+21, KSF+23, LAB+22, MLB+21, PMJ+21, ST22, WAPC20]. **approaching** [AR20]. **aquatic** [BBMD20, CBPNA22, GF21, GMMW20, HEH+20, HTSG21, HGMK22, MLB+21, MGWS23, QS21, SHS+22, SPHH22, YJB+20, ZN20]. **aquifer** [BKMY21, KPM+20]. **archaea** [SZY+20]. **archaeaplankton** [WPY+20]. **archetypes** [LWH+23]. **Archipelago** [vHLV+20, SBV+21]. **archives** [TJW+22]. **Arctic** [SBM+21, TMS+21, BCA+20, BOC+21, BPG+22, CLD+23, CM20b, CGB+21, GPK+21, HZM+21, HTSG21, HGH+21, IKN+21, JLMW21, KAP+20, KLG+23, KGG+23, LAFV23, LMM+21, LLC21, LWC+24, LXC+21b, LDB+21, MMKWZ22, MKBSK19, MN20, MKD22, MGGRR+21, NB23, PGN+21, PLB+21, RBR+24, RRHS+21, RGW+23, RCS+20, SJR21, SMCS23, SHE+21, SZA+21, SJJ+21, SSR+23, TVB+21, VCT+23, VMP+21, WCH+21, WRHR22, WM20, XKP+22, ZZO+21, ZXE+23, vdPAV+20, vdPMF+21]. **area** [CHS+20, CBS+21, IJSC20, PPB+21]. **areas** [DvOH+20]. **Argo** [WF22]. **argus** [BFCC+21]. **arid** [LRM21]. **arsenic** [PCJ+21]. **arthropod** [KPNJ23]. **artificial** [ARB+22, MTB+21, SJH20]. **artificially** [DMCW23]. **ascidians** [JSW+21]. **ASLO** [Ano20a]. **assemblage** [PATL+23, RLP+20]. **assemblages** [ASL+24, SKB+22, SSB+22]. **assembly** [IYW+22, SGS22]. **assessed** [CDH+21]. **Assessing** [AVJ+24, HTLP23, KSR20]. **assessment** [DAN+22, GAS+23, MLP+21a, SRL+20, TRS+20, WMTJW22]. **assessments** [CBC+22]. **Assimilation** [ORE20, SHE+21, AHCJ+20]. **associated** [AAC+21, BSGA21, BRB+20, BDMGH+23, CKH+21, CMB+21, Edm21b, FKN21, HMP+21, HZZ+20, HGF+21, KFHS24, LBBM21, MEQBV20, RVBP23, WPY+20, WRHR22]. **association** [Edm21a, WO21, XKP+22]. **Associations** [LEK+22, LVZ21, RCMA21]. **asynchronous** [WSZ22a, WSZ22b]. **asynchrony** [VCBB20]. **Atacama** [SML+21a, FUUG+21]. **Atchafalaya** [Roy20]. **Atlantic** [LL23, SBW+20, YAE+24, BMR+21a, BAD+21, BDL+21, BFE+20, BAHH+20, CGR22, CDH+21, CBN21, GLAHH+23, HBG+22, JLS+20, JSL+23, KBvdD+20, MSG+22, SORGC+21, SPKM22, SSM+22a, WF22, YAH+21, YAE+23]. **Atlantification** [MMKWZ22]. **atmosphere** [BCL+22]. **Atmospheric**

[JOC+20, SGM+21, SMNT22, VLP+21, ZZHZ23, ZLW21b]. **atoll** [FHR+21, GLB+22]. **atrazine** [BCTH20]. **attenuate** [LPA+23]. **Attenuation** [PC21, WDS+23, WAPC20, ZXE+23, ZXZ+23]. **attraction** [SHBA22]. **attributes** [PFB+22]. **atyid** [HBY+22]. **atypical** [EJM+23]. **Aufeis** [HGH+21]. **augments** [PFH21]. **Aurelia** [MBC+21]. **Australia** [MVBG20, LAB+22]. **autochthonous** [KBB+22]. **automated** [FHMK20, KAC+23]. **Autonomous** [LDG+21, BRCO21, WDG+21]. **autotrophic** [DWW+21]. **autumn** [CLP+24, SBM+21, SBV+21]. **availability** [FBJ+23, FNB+23, HZM+21, HPP+21, JHSG+24, JWAvD+22, KLP23, LTLH22, LBG+22, LHS+20, LSCL21, NCC+21, RBL+20, SMKS22, SSK24, WWFS21]. **avoid** [GE22].

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

[HZM+21, KPL+20, ABS+21, BSB+20, BMR+21b, BWV+20, BZK+22, BOC+21, CEW+21, EFG+24, FKN21, HANW21, HPCH24, HCS+21, HBR+22, KVKS22, LHS+21, LBG+22, MV22a, MV22b, MBLA+21, MHdS+21, PSY+22, SLZ+21a, TKS+20, VCT+23, WHZ+21].
Benthic-pelagic [KPL+20, MBLA+21]. **bentho** [NvBE+21].
bentho-pelagic [NvBE+21]. **benthos** [CP22, SSK24]. **Bering** [LNC+23].
Bermuda [CBN21]. **beta** [GCEM+23, LHL+21]. **betaine** [MAD+22].
better [SBD+21]. **between**
[BHSG+20, BMA+20, BM22, BMLV24, BH21, CBS+21, DWW+21, DKPS23, FW21, GWS+21, GBB+21, HZM+21, HMB+20, LEK+22, LABM20, MCH+22, PPB+21, QS21, SDL22, SJJ+21, SWS+22, SDSGR21, SGSD+22, VVMJ23, WCZ+20, XKP+22, XTJW21, YAE+24, ZQB+21, ZLU+20, ZFQ+20].
Beyond [KHCG+22]. **bias** [MMLPRHCG22]. **biased** [KSI24].
Bidirectional [EST+24]. **Bight** [LMC+21]. **bio** [BHG+24, BC20].
bio-optical [BHG+24]. **bioactive** [BBA+23]. **bioavailability**
[DVL+23, EJRRC+23, RBSB22]. **biochemical** [Ano21c, WRWPG19].
bioconvection [SBW21]. **bioconvection-induced** [SBW21].
biodegradability [SEK20]. **biodegradation** [BKC20, CWF+22].
biodiversity [GCMJ23, KPNJ23]. **bioerosion** [BFW+22]. **Biofilm**
[CTF+21, ARBvS+21]. **biofilms** [MKP+23, RBAC+20]. **biofouled**
[GLM+23]. **biofouling** [KWB21]. **biogenic** [BBCA+21, IKN+21, JHS+21, LWC+24, MZXY22, MY23, RNW+23, RWL+24, ZBNH+21].
Biogeochemical
[BYB+23, DGTW21, RFB+22, SBM+21, TBH+22, VCBB20, WF22, WAPC20, BVM+20, CBD+23, EFC+23, FDF+21, GMMW20, KSF+23, LLMM+23, LGI+20, LZG21, LBG+22, MHD+22, MBD+23, MPW+23, SSP+20, TKH21, TCP+22, VMT+24, WOK+21, ZSD+20].
Biogeochemical-Argo [WF22]. **Biogeochemistry**
[JLMW21, FBJ+23, JSB+20, KDZ+24, LWvdM+21]. **Biogeography**
[MCH+21, MZW+21, BLRM24, MBD+22, PYM+20]. **Biogeomorphic**
[QMG21, CZH+21]. **Biological**
[CGD22, GMNG+24, MGL22, NTJ+20, ARBvS+21, BGM+22, DMS+21, DLL20, GBB+21, KTH+21, KBL+20, LTQS+21, MK21, ORRMD+21, PFH21, PVSP+22, PJRV23, QRWT+22, TKS+20]. **biomarkers** [PMF+21].
biomass [BRCO21, FBV23, HNS21, KTWGT20, LCS+20, LDB+20, LCZ+21, MTP+23, MSJ21, PBC21, QS21, SBB20, YAP+22]. **biomasses** [EG20].
biophysical [ASH+20]. **biospheric** [BJK+21]. **Biotic**
[BC20, LGF22, MTP+23, MOW+22, TZF+22, WWB+20, WRMP22].
biotoxins [THS21]. **bioturbation** [BSB+20]. **bioturbators** [ZSF+23].
biovolume [MNM+21]. **bivalve** [GPB+20, MIR+22, WTvD+22]. **Biwa**
[LDB+20, LDB+21]. **black** [BND+23, RCH+20, SO23, SGSD+22].
black-box [RCH+20]. **blackwater** [TUR+20]. **bleaching**
[Ano21c, CBC+22, RFB+22, WRWPG19]. **bloom**
[BMH+23, CGRGP+21, CMT+20, GMNG+24, GAS+21, HPP+21, KRC23,

LZG21, MBB+20, MLS+21, PHM21, WOT+23, XMP+21]. **bloom-forming** [BMH+23]. **blooming** [MBC+21]. **blooms** [BAHH+20, HM20, HMB+22, KAC+23, Roy20, SVC+22, SLJ+22, SKB+22, SRL+20, THT+20, THS21, ZXZ+23]. **Blue** [HMP+21, HGA24, FGP22, KBB+22, KHCG+22, LGQ+21, LAB+22, XWL+21, OGD20]. **bluefin** [OFM+21]. **Body** [GNO22, CHAA21, LDB+20, PMRG20, dJGCS23]. **Boeckella** [MSGW+20]. **bog** [SGL+23]. **boreal** [AVJ+24, AKT+21, CHS+20, FSM+21, KSH+23, MBA+21, MHSL22, MNMJ+21, RSLW23, RBSB22, VST+22]. **Borealization** [MN20]. **Both** [MTP+23]. **Bothnian** [RvHF+20]. **Bottom** [BD22, NH22, BMA+20, DHNH22, GÖA+23, LAFV23, LLBC20, PMD+23]. **Bottom-up** [BD22, BMA+20, GÖA+23, LLBC20]. **bound** [SdBW+23]. **boundaries** [KHCG+22, WSZ22a, WSZ22b]. **boundary** [DHNH22, EFG+24, NH22, NH23]. **box** [RCH+20, SO23]. **brackish** [GGS+21, HPB+21]. **branching** [RBD22]. **Brazil** [PLLM21]. **Brazilian** [BSB+20, HMP+21, LvBS+22, LHD+20]. **breakpoints** [PKKS20]. **breakup** [PW22]. **Bringing** [SHPW22]. **brown** [LLSQ24, SGGB21]. **Brownification** [SSM+22a]. **browning** [MHSL22, PC21, MSB+20]. **budget** [DdEM+23, GB23, VJH+22]. **budgets** [BBCA+21, CBC+22]. **buffering** [HSV22]. **builder** [GTKW+20]. **bulk** [BSGA21, CZS+22]. **buoy** [FIH+20]. **buoyant** [FGO+20, KWB21]. **burial** [AMO20, BJK+21, BSB+20, SGA+22, SSEO21, ZWM22]. **burrows** [XWL+21]. **business** [AAC+21]. **business-as-usual** [AAC+21].

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

IFU+20, JHSG+24, KHK+22, KBB+22, KHCG+22, LVDM22, LDGB+23, LDGB+24, LZD+23, LCHB22, LAB+22, MRC+24, MRH+23, MGWS23, MMG+21, MRT+24, MCYR20, MKM+23, MNMJ+21, NKH+23, OBL21, PBP+23, PYY+20, PFH21, PC21, PNT+21, PVSP+22, PJRV23, QRWT+22, RVBP23, RMW+21, RHA+23, RSLW23, RVvB+23, RCH+20, SBD+21, SVMM+22, SSS+24, SZA+21, SML21b, SSEO21, SBL+21, SSS+20, SWK+23, SOT+20, SRM23, SKA+24, SGS22, TEK+21, TKS+20, VCT+23, VST+22].
carbon [WF22, WSZ22a, WSZ22b, WM20, XWL+21, XDQ+22, YAP+22, YXC+22, YSHS23, ZPK+22, ZLU+20, ZJW+22, ZLL+21, ZBNH+21, ZWM22, vGDH+21, OGD20]. **carbon-uptake** [RCH+20]. **Carbonate** [EWGP22, GBB+21, BBCA+21, CSD+24, CBC+22, LLK+22, SSCE20, SKA+24, SCT+21]. **carbonic** [SAD+20]. **carboxyl** [LPO+20]. **carboxyl-rich** [LPO+20]. **carcasses** [HCB+22]. **Caribbean** [ABC+21, GBB+21, MSL21, MHMML+22]. **Carpathian** [BRB+22]. **cascade** [CCY+21]. **cascades** [CAV+22]. **cascading** [EG20]. **Case** [JLMW21, LTJ+20, SWOR20, TMKB+22]. **catchment** [BCWS23, CZK+23, KSF+23, RNW+23, RS21]. **catchments** [TKW+23]. **catenella** [PHM21]. **causal** [MGWS23]. **cause** [LDGB+24, MWV22, NKH+23]. **caused** [GBO+20, RSLW23, SLZ+21b, SKB+22]. **causes** [AFH+22, Wei24]. **Cd** [LSL+20, BYB+23, LSL+20]. **Ce** [BYB+23]. **cell** [HDD+22, KTWGT20, LSL+20, MRC+24, OBL21]. **cellular** [LSL+20]. **center** [CTH+20]. **central** [AJMG21, PGN+21, HABL+21, SBM+21, TMKB+22, TMS+21]. **century** [BGM+22, NEB+22, TMKB+22]. **Ceriodaphnia** [HXL+21, ZLG+23]. **Cetacean** [WKRL+23]. **Cetacean-mediated** [WKRL+23]. **CH** [AFH+21, DRA+23]. **Chaetoceros** [KMM+22]. **chain** [MFGF+22, SGM+22]. **Challenges** [MBD+23, BDE+22, SHS+22]. **chance** [RS20]. **change** [AAC+21, ABC+21, BSGA21, BMB22, BDE+22, BPG+22, BFW+22, ETG21, FM21, FMT+20, GGLH+22, KDV+23, LAD+22, LZM+21, LMSN23, MHD+22, MDDL22, MPW+23, NEB+22, RFW+24, SRV+20, SEK20, WHAR+20, WBB+21, WCH+21, ZXE+23, dSNIB22]. **changepoint** [PW22]. **Changes** [DNB+20, HZS21, MSB+20, BHG+24, BGM+22, DMC+22, DAD+21, EG20, EPR+24, FLH+23, GLAHH+23, KLO23, KHHZ20, LSC+21, LGQ+21, LXC+21b, MY23, MFM+21, MSD23, RSLW23, RGW+23, SSS+20, SSM+22a, SLZ+21b, SGM+21, XYL+23, ZLS+21, vEMF+20]. **Changing** [YAH+21, CBPNA22, DKBG21, DK20, GTKW+20, HANW21, HTSG21, JLR+22, KBSA21, LGQ+21, MLL+21, MRT+24, PC21, WOMWR20]. **channel** [LGF22]. **Character** [PSNG+21]. **characteristics** [CZS+22, DGTW21, GPB+20, HHMH22, LGF22, MSB+20, VMT+24]. **Characterization** [HRK+22, CBN21, EJRRC+23, TMM+20]. **characterize** [OAM+22]. **Characterizing** [AHF+22, KdED+20, KDV+23, NGSS23]. **charophytes** [SKA+24]. **chemical** [BC20, MRD+21, WOMWR20]. **chemistry** [BLS20, CGR22, CSD+24, DAB+21, EWGP22, FKN21, HSP+20,

MHVC22, NTJ+20, YJB+20, YMSH20, ZPK+22]. **chemodiversity** [SGSD+22]. **chemostasis** [AFH+21]. **chemosynthetic** [AGC+21]. **chemotone** [AGC+21]. **Chesapeake** [CCB+20, LZG21, MLK+22, SCB+20, SCT+21, TTC+22, WZCK20]. **China** [MLL+21, LCZ+21, PYY+20, SLHL+22, WPY+20, XDQ+22, XMP+21, XYL+23, ZZWL22, ZZB+20]. **chironomid** [MDDL22]. **chloride** [RD23]. **chlorophyll** [DNB+20, DMM+21, GF21, QFM+21, SWOR20, SPLJA+20, TMSL22, YJ20, vdPMF+21]. **chlorophyll-a** [DMM+21, TMSL22, vdPMF+21]. **chlorophytes** [AWGV20]. **Chloropicophyceae** [EHC+22]. **choice** [VKGW22]. **choline** [MAD+22]. **Choquet** [PPB+21]. **chromophoric** [AVJ+24, ZZT+21]. **chronic** [EFP+21]. **Chronically** [SIP21]. **chronometers** [LvBS+22]. **Chukchi** [RSH+20]. **Chydorus** [WNHY21]. **ciliates** [TION23, Wei24]. **Circumpolar** [DAB+21, YAH+21, YAP+22]. **cladoceran** [WNHY21]. **clam** [WOMWR20]. **clarity** [DAN+22]. **classification** [LWH+23]. **clear** [MLC+21]. **clear-water** [MLC+21]. **cliff** [CZH+21]. **Climate** [LCS+20, MLC+21, AAC+21, BPG+22, CLA+24, CLG+24, CMB+21, DMM+21, DK20, DMCW23, Edm21b, ETG21, FM21, FMT+20, HEH+20, HFL+20, HZM+21, KHB22, LLSQ24, LZM+21, LMSN23, MHD+22, MPW+23, NEB+22, OSR20, RFW+24, SBH23, SRV+20, WHAR+20, dSNIB22]. **climate-driven** [ETG21, HFL+20]. **climate-productivity** [CLG+24]. **climate-related** [CLA+24]. **climate-sensitive** [HZM+21]. **climatic** [CEE+22, CVF+20, KdED+20, MLP+21a, MDDL22, MCH+21, PMRG20]. **climatology** [PBGGRB21]. **clines** [LCS+20]. **Clockwise** [MAP+22]. **clonal** [CZH+21]. **close** [MKP+23]. **Cloudy** [RS20]. **Clytia** [CUS21]. **CO** [ACW+22, LSL+20, YG23, MHSL22, SdBW+23, MZW+21, MCYR20, VGvdB+21, YSHS22, YAE+24, ZZT+21, AFH+21, ACW+22, AKT+21, BLS20, CT23, CTM+21, CCB+20, CSC+21, CMCC24, CHS+20, DRA+23, HGA24, MGP+21, MRT+24, NB20, RRHS+21, RSP+24, SDB+23, SPLJA+20, VLP+21, XWL+21, YMSH20, YSHS22, YSHS23, KMV+20, KMM+22]. **Co-acquisition** [SdBW+23]. **co-existence** [MCYR20]. **co-limitation** [YSHS22, YAE+24]. **Co-occurrence** [MHSL22, MZW+21, ZZT+21]. **co-occurring** [VGvdB+21]. **coal** [BWV+20]. **coast** [CCDM21, NSK+21, PBP+23, SPKM22]. **Coastal** [GÖA+23, LHS+21, LMS+21, MIR+22, NEB+22, SSS+20, ZLW21b, AMO20, BND+23, BPIBN20, BMR+21b, BGAD+22, BJS+23b, BWSW24, BKMY21, CSM+23, CTP21, CGD22, CPBJR+21, CSNS24, CCG+22, DCJB22, EJRRC+23, FBR+23, FBJ+23, FWDY20, HRK+22, HPB+21, HSV22, IÁSNCR21, JLW+23, KLO23, KHK+22, KdED+20, KSF+23, KRM+20, LRNG24, LTH21, LCHB22, LRM21, MHG+23, MBC+21, MAD+22, MCS+23, MKD22, NSK+21, NGSS23, PYY+20, PLLM21, QS21, SOSN23, SMG+22, SCC+21, SRV+20, SLZ+21b, SOT+20, SSR+23, SSB+22, TNK+22, TJW+22, THVJ23, TMKB+22, WHAR+20, WWB+20, WHZ+21, YML+21, YGD+21, ZSD+20, ZJW+22, ZSZ+22, ZWM22, vHLV+20, vHHP+21, vLWV+20].

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

[DKW+21]. **Concentration** [TUR+20, AFH+21, ARPFGS23, CHS+20, CZS+22, DNB+20, HXL+21, LD22, RSP+24, SOSN23, SB22, SZA+21, VCBB20]. **concentration-discharge** [AFH+21]. **concentration-driven** [LD22, SB22]. **Concentrations** [DWS+22, BTT23, BCTH20, BAG+24, DRA+23, DKBG21, EBK+20, RCMA21, TKW+23, TMSL22]. **concepts** [GM22]. **Conceptual** [RST+21]. **Concurrent** [HSB+20]. **conditions** [AH20, CM21, CVF+20, LSW+20b, MLS+21, PHM21, SN22, SBL+21, TKM+22, WOMWR20, ZLS+21, ZXZ+23]. **congruence** [GWS+21]. **conjugated** [SJH20]. **conjunction** [PMRG20]. **connecting** [MBD+23]. **Connectivity** [BGAD+22, CPBJR+21, DCJB22, DPB+23, DFJ22, GLB+22, JSB+20, MACC24, VVMJ23]. **Consequences** [KTWGT20, MBA+21, RGP+22, MLP21b, Wei24]. **conserved** [LABM20, SSH+22]. **consideration** [WSZ22a, WSZ22b]. **consistent** [EFP+21]. **consortia** [CYPRG+23]. **constituents** [KSF+23]. **constitutes** [PPB+21]. **constrain** [KVKS22, ORRMD+21]. **Constraining** [MBD+22]. **constrains** [MMG+21]. **constraints** [FDHS20, FXD+22, GFW+20, LSDA21, TSX+23, WLK+21, ZPK+22]. **consumer** [HHK+22]. **consumers** [MV22a, MV22b, VGSB23]. **consumes** [LES+21]. **consuming** [SCB+20]. **consumption** [CGC+21, HP20, KHSP21, MP23, MGG+24, TZF+22]. **contact** [XLN21]. **containing** [ZLW+21a]. **contamination** [LMS+21]. **content** [BMCS23, HLKD23, HNS21, HGA24, LLMM+23, MNM+21, OBL21]. **contents** [XSZ+21]. **conterminous** [FBK+22, GGR24, LWH+23]. **contextually** [HMB+20]. **contiguous** [BCTH20]. **continent** [LL23]. **continental** [BMA+20, CHP+24, DMM+21, HTLP23, HM20, KTH+21, KPS21, LvBS+22, MZXY22, MY23, PGEB22, QRWT+22, THT+20, WRC+21, ZLU+20]. **contingency** [GGLH+22]. **continuous** [LWH+23, SEG21]. **continuum** [BMLV24, EJM+23, ZYZ+21]. **contrasted** [IJSC20]. **Contrasting** [CGB+21, DFJ22, DKPS23, GFG+22, GBC+20, MLK+22, RBR+23, WTvD+22, WRHR22, BCL+22, CGL+21, LZM+21, VMP+21]. **contrasts** [BHSG+20, RHP+23]. **Contrib** [Ano20n, Ano20o, Ano20p, Ano20q, Ano20r, Ano20s, Ano20t, Ano20u, Ano20v, Ano20w, Ano20x, Ano20y]. **contribute** [CKCB+23, HCB+22, HVMS+21]. **Contribution** [LLL+23, RSP+24, VGSB23, LLSQ24, LAMG+22, PJRV23, PMJ+21, SBD+21]. **Contributions** [XMP+21, HLH+23, LLTT+24, OGD20, WF22]. **contributor** [GKW+20, GKW+21]. **Control** [CLD+23, HPP+21, AFH+21, GÖA+23, JvKvT+20, LD22, LGF22, LLBC20, PCJ+21, RS20, SB20, VLP+21, YOXC23, vdPMF+21]. **controlled** [BKMY21, KPM+20, KRM+20, SCT+21, ZZL+21]. **controlling** [KNG+23, PCC+23]. **Controls** [HSV22, LD22, TKW+23, ARBvS+21, ASH+20, CFC+20, ESW+21, FBK+22, HBY+22, HPF+23, LHS+21, LCZ+21, MLK+22, MT23, PMD+23, YMSH20, SB22]. **conundrum** [BC20].

convection [AHF+22]. **conversion** [SGSF20]. **cope** [VMT+20, WTvD+22]. **Copepod** [EWF22, KSI24, CHAA21, LDB+21, MSGW+20, SYMF21, TION23, TVB+21, VMP+21, XSZ+21]. **copepods** [BJS23a, CHA+24, HMBB21, KL22, LAFV23, LTJ+20, PJRV23, RTK23, SMF20, TCS21, dJGCS23]. **Coping** [CBT+21]. **copper** [KP20, WOK+21]. **copy** [ZR23]. **Copyright** [Ano20b, Ano20c, Ano20d, Ano20e, Ano20f, Ano20g, Ano20h, Ano20i, Ano20j, Ano20k, Ano20l, Ano20m, Ano21e, Ano21f, Ano21g, Ano21h, Ano21i, Ano21j, Ano21k, Ano21l, Ano21m, Ano21n, Ano21o, Ano21-53, Ano21p, Ano22e, Ano22f, Ano22g, Ano22h, Ano22i, Ano22j, Ano22k, Ano22l, Ano22m, Ano22n, Ano22o, Ano22p, Ano22a, Ano22q, Ano23a, Ano23b, Ano23c, Ano23d, Ano23e, Ano23f, Ano23g, Ano23h, Ano23i, Ano23j, Ano23k, Ano23l, Ano24a, Ano24b, Ano24c, Ano24d]. **Coral** [FKN21, KDW+23, MHMML+22, SSL22, BST+22, BCFI+22, BBCA+21, BFW+22, CÖL+20, CDW+24, CBC+22, Edm21a, EFP+21, FHR+21, GCMJ23, GLB+22, HPCH24, LMS23, LBG+22, LRRP20, MCH+22, MGP+21, MSD23, MACC24, MMLPRHCG22, MDIY23, OLFH21, RMH+22, RBD22, RCH+20, SHBA22, SWZ+23, SSCE20, VVMJ23, dOKC+21]. **coralline** [GR24, KNG+23, WCH+21]. **corallite** [MMLPRHCG22]. **corals** [ABC+21, Ano21c, CTM+21, Edm21b, FPBG+22, LRdGFP23, PMJ+21, RFB+22, WRWPG19]. **core** [LTQS+21]. **cornuta** [HXL+21, ZLG+23]. **correlate** [MSD23]. **corridors** [DCJB22]. **Corrigendum** [Ano21a, Ano21b, Ano21c, CLC+21, GSG+21, GKW+21, LEK+22, MV22a, Phi21, WSZ22a]. **cosmopolitan** [MRT+24]. **count** [MBD+23]. **counter** [YAH+21]. **counteracts** [GGLH+22]. **Countergradient** [DKW+21]. **Coupled** [EG20, HPB+21, RHP+23, ACW+22, BRCO21, BVM+20, LZG21, MBLA+21, MK20, SBB20]. **coupling** [HJWP24, KPL+20]. **covariance** [BBMD20, VLP+21]. **cover** [BGM+21, MGI+22]. **covered** [CVF+20, LDS+20, LXC+21b, PMD+23, SSM+21a, SMCS23]. **crab** [XWL+21]. **crabs** [CJB+21]. **Crassostrea** [MDWT+22, WSB+20]. **creek** [RWMP+23]. **creeks** [WPO+22]. **criteria** [MGWS23, MSJ21]. **Crocosphaera** [DFW+20, ZFQ+20]. **crop** [JHSG+24]. **Cross** [FGO+20, DAN+22, GLN+20, GLN+21, GPDA+20]. **cross-scale** [DAN+22]. **cross-shelf** [GPDA+20]. **Cross-shore** [FGO+20, GLN+20, GLN+21]. **crossflow** [JYA21]. **crowding** [ZLG+23]. **cruise** [ZZO+21]. **crustacean** [RVBP23, SO23]. **crustaceans** [BZSF23, WNHY21]. **crustose** [GR24, WCH+21]. **Cruz** [TZF+22]. **cryosphere** [HGH+21]. **cryptophyte** [CT23]. **ctenophores** [CCG+22]. **cues** [BK20, BMGK22, ZSZ+21]. **cultured** [LHGJ21]. **Current** [ACE+22, CMB+21, Lem20, LTW+24, SN22, SSL22, SYMF21, VMT+20, BFCC+21, DAB+21, KBL+20, SWB+20]. **currents** [FBRG23, SLJ+22]. **cyanobacteria** [AWGV20, DCK+22, JSPS24, LBvE23, LEK+22, MTP+23, PSNG+21, WOT+23, WWFS21, ZJ22a, ZJ22b, ZFQ+20]. **cyanobacteria-derived** [PSNG+21]. **cyanobacterial** [EWGP22, FBP20, HMB+22, KRC23, MBB+20, Roy20, SRL+20, XMP+21]. **cyanobacterium** [BMH+23, DTPV21, GFW+20, SDS+23, YG23].

Cyanothece [hTRH20]. **cycle** [BPL22, CVF+20, GBO+20, LAMG+22, SSS+20, XYZ+21, ZSD+20]. **cycles** [GMMW20, LLMM+23, NH22, TKH21, vdPMF+21]. **Cyclical** [LMSN23]. **cycling** [ABS+21, BYB+23, BCA+20, CCK+21, CBF+23, CLD+23, DNA+22, EFG+24, FMT+20, HSBC20, HTSG21, HDK+21, JHvL+23, KWS+21, KHCG+22, LBG+22, MPW+23, ORRMD+21, PCJ+21, RLL+21, RGP+22, SLZ+21a, SBW+20, THL+21, WCC20, WRS+22, WOK+21, XMP+21, ZLL+24]. **Cyclone** [BJS+23b, BPL22, WCC20]. **cyclone-anticyclone** [WCC20]. **Cyclonic** [ZBNH+21, ACE+22]. **cylindrus** [MLG+20]. **Cymodocea** [JREVB21]. **cytometry** [FHMK20].

Daily [CGGC+21, LSS+24]. **Dakota** [THT+20]. **damage** [vHHP+21]. **dampen** [dJGCS23]. **damping** [LHH24, SN22, ZLN21]. **Danish** [GBMKJ22]. **Daphnia** [DKW+21, DMCW23, LBvE23, MTB+21, MKL+24, RVBP23, RBL+20, VGvdB+21, YWZ+21, ZSZ+21]. **Dardanelles** [CÖL+20]. **dark** [KGG+23, vdPAV+20]. **darkening** [GÖA+23]. **darkness** [CBT+21, CGB+21, MLG+20, QBJG21]. **data** [ASH+20, BMB22, CZK+23, DAD+21, MVP+20, OAM+22, PSY+22, WF22]. **data-limited** [ASH+20]. **dataset** [PPB+21]. **day** [EWGP22, GK22]. **de-eutrophication** [DNB+20]. **dead** [BK20, HCB+22, MHMML+22, dOKC+21]. **death** [DFW+20]. **decadal** [BBMD20, LDB+20, LDB+21, SMP21]. **decades** [BMB22, GGLH+22]. **decay** [HKM+20]. **Deciphering** [BND+23]. **decline** [FBK+22, YLT+20]. **declines** [BWB+22, HDD+22]. **declining** [PGN+21]. **decomposition** [BZK+22, ZLL+21]. **Deconvolving** [WDS+23]. **decoupled** [DMC+22]. **decouples** [SCT+21]. **decoupling** [NKH+23, ZBNH+21]. **Decrease** [KLO23, FBV23]. **Decreased** [HXL+21]. **decreases** [LLTT+24, RVBP23, ZLL+21]. **Decreasing** [MGP+21]. **Deep** [CKCB+23, HMM+22, SWOR20, AGC+21, AHF+22, BMR+21a, BZSF23, CYZZ+20, CLW+21, CPBJR+21, FWDY20, GLAHH+23, HJWP24, Lem20, MBLA+21, MKBSK19, MOW+22, MGG+24, OBB+20, PFH21, PCN22, REF+21, SJH20, SSM+21a, SSP+20, SPLJA+20, SSWM20, SDS+23, SHPW22]. **deep-pelagic** [BZSF23]. **Deep-sea** [HMM+22, AGC+21, BMR+21a, CLW+21, MBLA+21, MKBSK19, OBB+20, PCN22]. **deep-silled** [HJWP24]. **deeper** [Ano21a, GSG+17]. **deeply** [CYPRG+23]. **defense** [HXL+21]. **defensive** [ZSZ+21]. **deficient** [AHCJ+20, BYB+23, CBB+22, CKCB+23, DNA+22, EBK+20, LVHK20, MLL+21, SMW+21]. **define** [CSB22]. **Defining** [PPB+21]. **definition** [BO20]. **Deforestation** [GBO+20]. **deformation** [GLN+20]. **degradation** [BMG+23, CPB+21, FXD+22, GAS+23, LLC21, PWS+20, RLP+20, YAH+21]. **degree** [KSN+21]. **delays** [RVBP23]. **delineated** [BSF+21]. **delineation** [BGAD+22]. **delivery** [GPDA+20]. **Delta** [PYY+20, CMCC24, CM21, YLT+20, LTH21]. **delta-front** [YLT+20].

deltaic [LTH21]. **Delving** [GSG+17, Ano21a]. **demand** [BMA+20, MHG+23, MGG+24]. **demands** [BMR+21a]. **demersal** [TGE+21]. **demography** [MMLPRHCG22]. **demonstration** [SVBT20]. **Denitrification** [CEW+21, CHP+24, ACA+22, RWS+22]. **denitrifier** [LPMBR23]. **denitrifying** [ZQB+21]. **Density** [CHAA21, HZC+24, YJB+20]. **Density-dependent** [CHAA21]. **Dependency** [KLG+23, GZX+22]. **dependent** [BMLV24, CHAA21, GNO22, HGH+21, KP20, LMP+20, MWHR+22, OBL21, SZY+20, WHZ+21, ZLS+21]. **depleted** [SBW+20]. **depletion** [SMCS23, SSWM20]. **deposition** [BFE+20, GRJ+22, SKA+24, YAE+23, ZLW21b, vEMF+20]. **depositional** [HMB+20]. **deposits** [KRM+20]. **deprivation** [CBT+21]. **Depth** [DWS+22, KVKS22, LMP+20, BSGA21, BMS+22, CÖL+20, CEE+22, DLC+22, FGO+20, GGR24, GLN+21, LAFV23, MTB+21, PMF+21, SO23, SMKS22]. **Depth-dependent** [LMP+20]. **depth-keeping** [FGO+20]. **depth-related** [BSGA21]. **depths** [LMS23, SSH+22]. **derived** [CDW+24, DVL+23, DLDF21, PSNG+21, SWZ+23, SHE+21, TNK+22, TKS+20, vGDH+21]. **desert** [BHR+23, GRJ+22, RGP+22]. **design** [KFHS24, RWT+21]. **despite** [KTA+21, LMM+21, MKP+23]. **detect** [SYMF21]. **Detecting** [CLA+24]. **deteriorating** [QMG21]. **deterioration** [HSB+20]. **determinations** [ADLW22]. **determine** [BHG+24, CSM+23, CUS21, GF21, LPMBR23, PGB24, PHM21, TATC+24, WOT+23, dSNIB22]. **determines** [JSB+20]. **determining** [CZH+21]. **Deterministic** [PATL+23]. **Detritivore** [FPG+24]. **Detritus** [BVL+23, LMP+20, SPKM22]. **Detritus-hosted** [BVL+23]. **development** [MOW+22, MNMJ+21, OYM+20]. **Diatom** [CMB+21, XSZ+21, AR20, BVGQN22, CGRGP+21, CMT+20, FR23, GBC+20, HDS+20, KSN+21, KMM+22, KKP+21, KP20, LAMG+22, MGC+20, MRT+24, MLG+20, OBL21, QBJG21, STB22, SKB+22, WRS+22, YSHS22, YSHS23, ZLIP20]. **diatom-dominated** [GBC+20]. **diatom-rich** [LAMG+22]. **Diatoms** [DKBG21, ACE+22, AWGV20, BRCO21, CLGH23, CGB+21, FLH+23, HVMS+21, KMV+20, KOR+20, KLP23, LSL+20, LHGJ21, MAP+22, MLT+21, RWL+24, WRHR22, ZLL+21, vdPAV+20]. **diazotroph** [ALG+23, LTLH22, MBD+22, SCC+21, SWZ+23]. **diazotroph-derived** [SWZ+23]. **diazotrophic** [DCK+22, HBS+22, JSPS24]. **Diazotrophs** [WWFS21, FBP20, GFW+20, RHS+22]. **Diazotrophy** [WOT+23]. **Dichtyochophyceae** [LES+21]. **die-off** [SVBT20]. **dieback** [HFL+20, YOXC23]. **Diego** [GNO22]. **Diel** [KTWGT20, BHG+24, BJS23a, GNO22, LGI+20, MK21]. **diet** [DvOH+20, TION23, VST+22]. **differ** [BSIdG23, BMLV24, SWS+22]. **differences** [HMBB21, VGvdB+21, XSZ+21]. **Different** [HEH+20, LPO+20, SML21b, BRCO21, BRB+22, CGGC+21, KSN+21, MTB+21, MHMML+22, RBR+23, SSL22, XSZ+21, ZLS+21, ZZB+20]. **Differential** [KBB+22, RWL+24, VKB+22]. **differentiated** [LHH24]. **differently** [BWSW24, WWFS21]. **differs** [BRB+20, JLS+20]. **diffuse** [ZXE+23]. **diffusion** [ZLIP20]. **digitale** [MMKWZ22]. **dimensional**

[CLT+22]. **dimensions** [LHL+21]. **dimethyl** [MT23, XYZ+21]. **dimethylated** [MZXY22, MY23]. **dimethylsulfide** [GMNG+24]. **dimethylsulfoniopropionate** [ORRMD+21]. **dimethysulfoxide** [HDK+21]. **dimictic** [ACA+22, PW22]. **dinitrogen** [SBL+21]. **dinoflagellate** [CGRGP+21, FHMK20, PHM21]. **dinoflagellates** [CLGH23, FHMK20]. **dioica** [MLS+21]. **dioxide** [BCL+22, CM20a, DGTW21, HNS21, RVBP23, RHA+23, SBL+21, SWK+23, XDQ+22]. **dipole** [LXC+21a, WCC20]. **direct** [MEQBV20]. **direction** [WWB+20]. **directly** [FWvA+21]. **discharge** [AFH+21, FKN21, IÁSNCR21, KRB+21, KRM+20, MGI+22, PCN22, RTM+21, SZA+21, WLK+21, vdPMF+21]. **discharging** [BKMY21]. **disconnected** [BGAD+22]. **discovery** [DNA+22]. **Disease** [ARB+22]. **disentangled** [GMNG+24]. **Disko** [MN20]. **disparate** [SMW+21]. **Dispersal** [PHM21, DCJB22, GCW+23, MLS+21, ZZL+21, ZSZ+22]. **dispersion** [CTH+20, RPA+22]. **disproportionately** [BKC20]. **disruption** [RS20]. **dissimilatory** [CEW+21, RWS+22]. **dissipation** [PLLM21]. **dissipative** [EWF22]. **dissolution** [BFW+22, EBW+20, LLK+22, LN21, MSG+22, RWL+24, SSCE20, SCT+21]. **dissolvable** [MCS+23]. **Dissolved** [BMR+21a, BCWS23, BSF+21, MRD+21, PNT+21, RMW+21, SGS22, AVJ+24, AKT+21, AMC21, BND+23, BMCS23, BPIBN20, BAD+21, BGG+20, BYS+23, BGM+21, CGGC+21, CPB+21, CTP21, CLC+22, CM21, CCDM21, DVL+23, DPB+23, EJRRC+23, FAB+20, GB23, HYPG+22, HOB+22, HP20, JSL+23, JSB+20, KAP+20, KMV+20, KDZ+24, KHSP21, KDV+23, LBBM21, LRdGFP23, LMM+21, LD22, LPMBR23, LSC+21, LXC+21b, LPO+20, LHMR23, LMS+21, LSS+24, MGL22, MCS+23, MHP+23, PBC21, PCJ+21, PSNG+21, PWS+20, PC21, QRWT+22, RVBP23, RHA+23, RWMP+23, RSLW23, RCMA21, SJH20, SB20, SB22, SZA+21, SOT+20, SEK20, SCT+21, SGSD+22, TSX+23, VST+22, WMRL22, YWLY20, ZZT+21, ZYZ+21, ZZB+20, dMKB+20]. **Distinct** [AFH+21, CBD+23, LHMR23, WCZ+20, XYL+23, LPO+20, LNC+23, SJJ+21, SKB+22, WWGP21]. **distinguish** [WRMP22, ZLG+23]. **Distinguishing** [DMS+21, DAB+21]. **distributed** [HGF+21]. **Distribution** [BCA+20, BRB+22, dCLO+23, BFCC+21, BBGM20, CBHB21, DCJB22, EBK+20, FBRG23, GGR24, KBL+20, LBBM21, LL23, MLK+22, OFM+21, RBR+23, SMKS22, SCM22, TRS+20, VSB+23, ZZO+21]. **distributional** [GBC+20]. **Distributions** [WOK+21, EPR+24, HBG+22, JSL+23, LAFV23, LWC+24, LLBC20, MT23, PYY+20, YAH+21]. **Disturbance** [WPO+22, BPG+22, LCM+22, SYMF21, ZSD+20, ZTT23]. **disturbances** [LDB+20, RPKC22]. **disturbed** [BCWS23]. **diurnal** [BWSW24]. **Divergent** [QRWT+22, BRB+22]. **Diverse** [FM21, GSP+23, BMCS23, DBFC24, KSN+21, LABM20, MCH+22]. **Diversification** [Gil22]. **diversity** [BOC+21, BBL+21, CML23, CLC+22, CKH+21, CLP+24, FBV23, GCEM+23, GZX+22, HMM+22, LHL+21, LWS+22, MHdS+21, MKP+23, PYM+20, PGEB22, RPKC22, SLHL+22, SSK24, VSB+23, WNHY21, XTJW21].

division [KTWGT20]. **DNA** [CSM+23, CBN21, GWS+21, OGD20, SLHL+22]. **DNA-based** [CBN21, GWS+21]. **DNRA** [CHP+24]. **Do** [WRA+23, KGG+23, RMH+22, SEK20, ZXZ+23]. **DOC** [BMR+21a, HLKD23, MBH+23, MFGF+22]. **does** [CHS+20, LPA+23, RBD22, ZZCD23]. **doi** [Ano21a]. **Dolioletta** [FLW+21]. **doliolid** [FLW+21]. **DOM** [BHSG+20, BKC20]. **Dominance** [NH22, FHMK20, HEH+20, PHM21, SDS+23]. **dominant** [BSIdG23, BMR+21a, KSN+21, KRB+21, ONH+20, SYT+21]. **dominate** [FBP20, MSG+22]. **dominated** [CMCC24, DKPS23, GBC+20, HBS+22, JvKvT+20, KVKS22, KDV+23, NDP+24, OMM21, QS21, RMW+21, SH22, WCZ+20]. **dominates** [VVMJ23]. **Dongshan** [XYL+23]. **DOP** [BPIBN20]. **dormant** [ZJ22b]. **Dosidicus** [PMRG20]. **double** [SBH23]. **down** [BMA+20, BD22, GÖA+23, LLBC20, RS20]. **downslope** [NH22]. **downstream** [RD23]. **drainage** [AFH+22, BWV+20]. **drift** [FGO+20, LLC21, SBM+21]. **drifters** [CTH+20]. **drive** [AWGV20, AR20, DPB+23, DCF+22, DLC+22, HMB+20, LCS+20, MV22a, MV22b, PBC21, PATL+23, PSK21, SLJ+22, SORGC+21, SSS+24, SGM+21, XDQ+22]. **driven** [AHF+22, BVGQN22, CGRGP+21, CSC+21, ETG21, EPR+24, FBRG23, FHR+21, GBC+20, GKW+20, GKW+21, HFL+20, HPP+21, LD22, LMSN23, MCH+22, MKL+24, SB22, SLZ+21b, TEK+21, ZCZ+23, vdPMF+21]. **driver** [NvBE+21, SGS22, ZZWL22]. **Drivers** [ACW+22, CCA+21, FHMK20, IOS24, MFM+21, MAG+22, VSB+23, BAG+24, BMS+22, CGGC+21, CBPNA22, DAN+22, DRA+23, GCMJ23, GSD+23, GLB+22, HTLP23, HHK+22, JHBB22, KAP+20, KdED+20, KOR+20, KAC+23, KBvdD+20, KDV+23, LDGB+24, LHL+21, LHMR23, MBB+20, PGEB22, RWMP+23, RKBT+23, SLHL+22, TMKB+22, VCBB20, WRC+21, WRMP22, ZSF+23, vLWV+20, CHS+20]. **drives** [DBB+21, DBM+23, KDZ+24, KBL+20, LBL+24, MHdS+21, RTM+20, RTM+21]. **driving** [CZH+21, CLP+24]. **dry** [YAE+23]. **drying** [CTF+21, SLRS+24]. **Dual** [TMM+20, LLC+23]. **due** [AFH+21, BHSL21, BGM+22, MLP21b, XSZ+21]. **duration** [ABC+21, CTF+21, PW22]. **during** [ACA+22, AJMG21, Ano21c, BGM+22, BPL22, CCC+21, CM20b, CLP+24, FPG+24, GB23, GK22, HRK+22, HKM+20, KRC23, KTH+21, KGG+23, MLS+21, MDDL22, MAP+22, PFH21, SBM+21, SGA+22, VJH+22, WRWPG19, WSB+20, WMRL22, XTL+20, YWLY20, ZLW21b, vHHP+22, vdPAV+20]. **dust** [BFE+20, GRJ+22, LCHB22]. **dye** [CTH+20]. **Dynamic** [LXC+21b, RRAO+21, KDV+23, WRMP22]. **Dynamics** [CMT+20, ZLU+20, AFH+21, ACW+22, ACA+22, AWB+23, AR20, AFM23, AVS+22, ASL+24, BJG+22, CGRGP+21, CZH+21, CÖL+20, CAV+22, CBHB21, CGL+21, CMB+21, CKCB+23, CLD+23, DCF+22, DGW+21,

DFW+20, FWvA+21, FKN21, FSH+23, GGLH+22, HJWP24, HPB+21, HPF+23, HMB+20, HS21, HLS+22, JvKvT+20, JHBB22, KRB+21, KdED+20, KDW+23, KWB21, LVDM22, LMC+21, Lem20, LHS+21, LN21, LZM+21, LNC+23, MCH+22, MSD23, MAD+22, MRD+21, MIR+22, MPW+23, MAP+22, NB20, PNT+21, QRWT+22, RvHF+20, RTM+20, RTM+21, RBR+24, RRHS+21, RHM+21, SPHH22, SBB20, SO23, SLRS+24, SLZ+21b, STAK22, VJH+22, WOMWR20, XMP+21, ZSF+23, vHHP+22].

Earlier [PW22]. **early** [KPG+23, MDWT+22, OFM+21, SBM+21, VCT+23, vdPAV+20]. **Earth** [CLA+24]. **east** [LHS+20, MLL+21]. **Eastern** [HABL+21, AHCJ+20, CDH+21, CJB+21, DNA+22, ESW+21, EBK+20, RCMA21, SORGC+21, WRS+22, BYB+23, EBK+20, ETMD23, FSS+23, LMM+21, MDWT+22, SMW+21]. **eastward** [DAB+21]. **eastward-flowing** [DAB+21]. **Eavesdropping** [THS21]. **Ebullition** [LSW+20b, LHD+20, PSK21, RWT+21]. **ebullitive** [KSH+23]. **echosounder** [PSY+22]. **Ecklonia** [BRHS20, BS20]. **eco** [RNW+23]. **eco-surroundings** [RNW+23]. **Ecological** [BLS+22, DTPV21, MKBSK19, ACE+22, ADLW22, ASL+24, FDF+21, HLH+23, KAC+23, LZM+21, MWV22, SBM+21, SOO+21, TJW+22, VMT+24, VMP+21]. **ecologically** [LTJ+20]. **ecologists** [MLB+21]. **ecology** [CDH+21, GM22, GMMW20, HDK+21, HMB+20, LLMM+23, LGQ+21, MSL21, MBC+21, PMRG20, SHPW22, ZR23]. **Ecophysiological** [GK22]. **ecophysiology** [LES+21]. **Ecosystem** [MA21, SWB+20, VCBB20, BD22, BJS+23b, BLS20, BRM+23, CLG+24, DLDF21, DMC+22, DFJ22, GGS+21, GMS21, HFL+20, HBY+22, HHK+22, KVKS22, KDV+23, LBBM21, LDG+21, LGQ+21, LSDA21, MHD+22, MHL+20, MGWS23, MSG+22, MIR+22, NTJ+20, OBB+20, PHB+22, PFB+22, PSNS22, PHM21, RVvB+23, RGP+22, SML21b, TKM+22, TJW+22, VJH+22, WWB+20, WRC+21, WMTJW22]. **ecosystem-metabolism** [PHB+22]. **ecosystems** [BSB+20, BR22, BGM+21, BFW+22, CBPNA22, CML23, CLW+21, CCDM21, FMT+20, GF21, GSD+23, HGMK22, HGH+21, JLMW21, KHK+22, SHS+22, SPHH22, SOT+20]. **ecotone** [AGC+21]. **ecotypes** [TRS+20]. **ectotherm** [MLP21b]. **eddies** [ACE+22, EWF22, LXC+21a, SSA+23, ZBNH+21]. **Eddy** [GPDA+20, BBMD20, LBL+24, VLP+21, WCC20]. **edge** [BST+22]. **edges** [CZH+21]. **edible** [FJP+21]. **Editorial** [Ham22, Kir20]. **Edward** [SBV+21]. **Eelgrass** [MIR+22, ARB+22, GGS+21, LDGB+23, MDBI20, SIP21]. **Effect** [EJRRC+23, HLKD23, SYT+21, YSHS22, GMS21, LSL+20, MXL+21, MVBG20]. **effective** [KAP+20]. **Effects** [CGR22, DWR+23, EDC24, HANW21, HSBC20, HSP+20, LLC+23, LLC21, MCH+21, MOW+22, OSR20, PBGGRB21, SSL22, SSWM20, ZLIP20, AFK+22, BYS+23, BS20, BLS20, BPG+22, CGC+21, FMT+20, FPB+23, GGLH+22, GLN+21, GFG+22, JHSG+24, JHBB22, KSR20, LRdGFP23, LTLH22, MVP+20, MLC+21, MO23, MDWT+22, MSB+20, MGC+20,

MGG+24, QRWT+22, STB22, SSEO21, SCM22, VKB+22, VWR+23, WRS+22, YG23, ZTT23, dJGCS23, BZK+22]. **efficiency** [ALH+21, BHR+23, FDHS20, GZX+22, HPCH24, SGSF20]. **Efficient** [KMV+20, SWZ+23]. **effort** [DFJ22]. **egg** [KSI24]. **eggs** [OLR+23, ZLG+23]. **eight** [vHHP+22]. **ejection** [WSB+20]. **Electrona** [DAB+21]. **electrothrix** [MLK+22]. **Element** [HTSG21]. **Elemental** [EHC+22, LLMM+23, HMBB21, MV22a, MV22b, STB22, ZLS+21]. **Elements** [GGHBS+20]. **Elevated** [DCK+22, QBJG21, RVBP23, BMH+23, BLS20, CGR22, DWR+23, EDC24, GPB+20, MDWT+22, SIP21, VKB+22, WRHR22, YG23]. **elevation** [CM20a, DGTW21, SLHL+22, VMT+24, ZQB+21]. **elongated** [LHH24]. **Elucidating** [SCC+21]. **embayment** [FWDY20, NSK+21]. **emerge** [QMG21]. **emergence** [SDS+23]. **emergent** [HZZ+20, VJS+20]. **Emerging** [SKB+22, LTH21]. **Emiliania** [KTWGT20, MLS+21, ZLS+21]. **emission** [BSIdG23, GKW+20, GKW+21, ZSK+21]. **emissions** [AKT+21, CMCC24, HABL+21, KSH+23, LWC+24, LPA+23, MGI+22, PLB+21, SPBK21, YOXC23]. **empirical** [GMI+21, WRMP22]. **enclosed** [XYL+23]. **encode** [RCS+20]. **encroaching** [SLJ+22]. **encrustations** [SKA+24]. **end** [CHS+20]. **endemic** [HBY+22]. **Endogenous** [CCC+21]. **endorheic** [BGM+22, YJB+20]. **endosymbionts** [RCH+20]. **energetic** [CGGC+21]. **Energy** [BMA+20, ALH+21, CBT+21, EST+24, MHL+20, SGSF20, SDB+23, VKGW22]. **Energy-based** [BMA+20]. **engineer** [NTJ+20]. **engineered** [YJB+20]. **engineers** [MIR+22]. **England** [HHMH22]. **enhance** [BOC+21]. **Enhanced** [HBR+22, AMO20, KFHS24, LWC+24, LBL+24, MDIY23, ZPK+22]. **enhances** [FWT+20, QBJG21]. **enriched** [KWS+21, ZLW+21a]. **enrichment** [BAG+24, BS20, BGM+21, BRM+23, CAV+22, DKPS23, GGS+21, HHMH22, LZM+21, LLTT+24, RLL+21, YvdHC+20]. **entrained** [SYMF21]. **entropy** [CGGC+21]. **environment** [AWB+23, CPB+21, GGHBS+20, KWS+21, LVZ21, OYM+20, RBD22, TRS+20]. **Environmental** [CLP+24, KOR+20, KAC+23, LTJ+20, OGD20, PGEB22, SORGC+21, CVF+20, GGLH+22, GCW+23, HZC+24, IYW+22, JHBB22, MY23, MDDL22, PSNG+21, PCC+23, SSL22, SLHL+22, WBB+21, WRC+21, WCH+21, ZLS+21, vLWV+20]. **environments** [AMC21, MP23, RCS+20, WLSD21]. **enzymatic** [BHSG+20, BSGA21]. **enzymes** [BSGA21]. **Eodiaptomus** [LDB+21]. **epibiont** [RBL+20]. **epibionts** [JHS+21]. **epifaunal** [CCFF21]. **epilimnetic** [HSB+20]. **episodic** [CJB+21, PFH21, RPKC22, YAE+23]. **equatorial** [BCA+20]. **Erie** [AJMG21, CWF+22, LEK+22, MDP+23]. **erodibility** [HLPT20]. **eroding** [WPO+22]. **erosion** [BBCA+21, MHMML+22, SYT+21, WTvD+22, YLT+20]. **Erratum** [Ano21d]. **essential** [BMR+21a, VCT+23, VST+22]. **established** [PSNS22]. **establishment** [SH22, ZZL+21, vHHP+22]. **estimate** [LvBS+22]. **estimated** [GLN+21, RST+21]. **Estimates**

[Wei24, DHNH22, KSI24, MGI+22, WLSD21]. **estimating** [LAB+22, PMJ+21]. **estimation** [VGSB23]. **estuaries** [ACW+22, DKPS23, EFC+23, HTLP23, IOS24, MLP+21a, MHdS+21, RTM+20, RS21, SDL22, YMSH20]. **Estuarine** [GFG+22, AVS+22, CEW+21, HTLP23, LSC+21, PKKS20, SMNT22, SSEO21, SLZ+21a]. **Estuary** [LVHK20, BPIBN20, BPL22, BKMY21, FR23, HBS+22, HSV22, KBSA21, KDZ+24, MURK20, MK21, PGB24, RTM+21, RVvB+23, TBH+22, WAPC20, WLK+21, YOXC23, BM22, BMB22, YGD+21]. **ethylene** [SBW+20]. **eukaryote** [XKP+22]. **eukaryotes** [BMLV24, MK20]. **Eukaryotic** [DLL20, PATL+23, SRM23]. **Euphotic** [SWB+20]. **European** [DMM+21, ESW+21, MMKWZ22, ZSK+21]. **eutrophic** [AWGV20, BBH+20, BHSL21, CGC+21, DHNH22, HMB+22, JLW+23, KRC23, KHHZ20, MLC+21, TBH+22, THVJ23, TATC+24, WHAR+20, WLK+21, vGDH+21]. **Eutrophication** [LWS+22, XDQ+22, ZZT+21, BAG+24, DNB+20, GÖA+23, LHS+21, MAP+22, SVC+22, SGA+22, WHAR+20, ZLU+20]. **eutrophied** [QRWT+22]. **Evaluating** [CFC+20, GWS+21, SHBA22]. **evaluation** [ASH+20, IKN+21]. **evaporation** [FBK+22, VLP+21]. **evaporation-to-inflow** [FBK+22]. **evasion** [SDB+23]. **Evasive** [JSW+21]. **event** [AFH+22, CBC+22]. **events** [GRJ+22, KdED+20, MAG+22, TUR+20, WSB+20, WTvD+22, dCLO+23]. **Evidence** [DKPS23, HGF+21, KPG+23, MSGW+20, ZLL+21, BVM+20, CSH21, CBS+21, DP22, PPB+21]. **evidenced** [SSK24]. **evolution** [BST+22, LBJS22, OBL21, ZJ22a]. **evolutionary** [HLH+23, MTB+21, VGvdB+21, ZJ22b]. **Evolving** [GM22, ZZCD23]. **exacerbates** [GÖA+23, RLL+21]. **examination** [WZCK20]. **examined** [FHMK20]. **Examining** [ACE+22, AFM23, SPKM22, SMKS22]. **exceeds** [SDB+23]. **exceptionally** [JLW+23]. **excess** [TMM+20]. **exchange** [CSC+21, EFG+24, MBA+21, NvBE+21, SMNT22, TEK+21]. **exchange-driven** [TEK+21]. **exchangeable** [WXK+22]. **exchanges** [TBH+22]. **exhibit** [TBH+22]. **exhibits** [AFH+21]. **existence** [MCYR20]. **exotic** [WHZ+21]. **expansion** [CZH+21, GAS+21, KSH+23, NB23, QMG21]. **expansions** [CJB+21]. **experiment** [BPG+22, GMNG+24, KRM+20, MKBSK19, OJUN23, SGL+23, SSM+22a]. **Experimental** [BRM+23, DP22, CBPNA22, HKM+20, KTA+21, KFHS24, SVC+22, ZJ22a]. **experiments** [BDE+22, BBA+23]. **explain** [BVGQN22, DMM+21, MTP+23]. **explained** [vLWV+20]. **explaining** [LPMBR23]. **Exploring** [HM20]. **export** [BCWS23, BRCO21, DBM+23, GLM+23, KBvdD+20, MMG+21, RMW+21, SDL22, SPKM22, TEK+21, WSZ22a, WSZ22b, YAP+22, YXC+22, ZBNH+21, ZYZ+21]. **exports** [SOT+20]. **exposed** [BOC+21, DGTW21]. **Exposure** [ABC+21, KDV+23, BMH+23, CTM+21, DWR+23, EDC24, GEHD20, GPB+20, GK22, MDWT+22, MIR+22, SSL22, ZFQ+20, dSNIB22]. **exposures** [EFP+21]. **Expression** [LOW+20, BMH+23, LTLH22].

extension [GR24]. **extent** [BKMY21, DAD+21, SMW+21, ZZCD23]. **external** [XMP+21]. **extinction** [GRJ20]. **extracted** [BAD+21]. **extrapallial** [CGR22]. **Extratropical** [BJS+23b]. **Extreme** [BTK+21, SRN+21, TKM+22, TUR+20]. **extremes** [KDV+23, MK21]. **extremities** [TPTS23]. **exudates** [BMG+23]. **exudation** [RRAO+21].

facilitate [GPDA+20]. **facilitated** [MBLA+21]. **facilitates** [CJB+21, MCYR20]. **facilitating** [MBB+20]. **facility** [CLGH23]. **factor** [ZLJ+24]. **Factors** [JREVB21, SOSN23, SBB+21, BHG+24, CESS21, JSPS24, KBL+20, KPNJ23, LGF22, PCC+23]. **failed** [SRV+20]. **far** [BTK+21]. **fast** [KBB+22]. **fat** [MN20]. **fate** [CDW+24, PGB24, QBJG21, SPKM22, SGK+21, ZCZ+23]. **fatty** [CLG+24, EST+24, KLG+23, VST+22]. **fauna** [BDMGH+23]. **favorable** [SSA+23]. **Fe** [RvHF+20]. **Fear** [PVSP+22]. **features** [ZZL+21]. **featuring** [THL+21]. **February** [CMT+20]. **Fecal** [SSM21b, DMS+21, LG21, MLS+21]. **feedback** [MBLA+21]. **feedbacks** [MHD+22]. **feeding** [CP22, CSNS24, CCG+22, CUS21, FRRG+21, FLW+21, KGG+23, RTK23, SYMF21, WSB+20, WSZ22a, WSZ22b]. **feeding-current** [SYMF21]. **female** [KSI24]. **fermentation** [NKH+23]. **ferruginous** [TZF+22]. **fertilization** [BPG+22, HSBC20]. **few** [OMM21]. **field** [APB+23, BDE+22, GLN+20, SVBT20, WO21]. **fields** [HGH+21]. **filamentous** [FWT+20]. **filter** [AMO20, THVJ23]. **final** [BFCC+21]. **Fine** [DFW+20, ASL+24, GBC+20, GSD+23, GLB+22, HCS+21, WO21]. **fine-scale** [ASL+24, GBC+20, GSD+23, GLB+22, WO21]. **fingerprints** [SRM23]. **finmarchicus** [CBS+21, PPB+21]. **Fiona** [BJS+23b]. **first** [SRL+20]. **fish** [APB+23, BMA+20, BMS+22, CESS21, CLT+22, CPBJR+21, DWR+23, EST+24, GCMJ23, GPDA+20, HXL+21, KCT23, LDB+20, OLR+23, SBD+21, SSA+23]. **fish-based** [SBD+21]. **fisher** [RMH+22]. **fisheries** [FGP22]. **fishes** [BZSF23, LDG+21, NDP+24, WRMP22, WSZ22a, WSZ22b]. **fishing** [DFJ22]. **fitness** [TVB+21]. **five** [BMB22]. **fixation** [BMCS23, HBS+22, LLL+23, LTH21, LTLH22, SCC+21, SMW+21, SBL+21, hTRH20, YSHS23, ZLL+21]. **fixed** [FRRG+21]. **fixers** [AAC+21]. **fixing** [FBP20, HMB+22, YG23, ZFQ+20]. **fjord** [BHSG+20, BJK+21, BOC+21, HJWP24, KHB22, vdPMF+21]. **fjords** [HZM+21, JLMW21]. **flagellate** [AH20]. **flagellates** [ELS23, LOW+20, OMM21, vdPAV+20]. **flat** [BD22, SYT+21]. **flats** [ZvBZ+20]. **Flexible** [VKGW22, ZLN21]. **floating** [RHM+21, SYMF21, VJS+20]. **floating-leaved** [VJS+20]. **floe** [SBM+21]. **flood** [RVS+22]. **flooding** [TNK+22, TUR+20]. **floodplain** [LTH21, MGWS23, dMKB+20]. **floodplains** [MKP+23]. **Florenciella** [LES+21]. **Florida** [CLGH23, HSD+20, OLFH21]. **Flow** [ZLIP20, ZN20, BMR+21b, FHR+21, FHMK20, GLN+21, GBHF21, LDG+21, MDBI20, RBAC+20, SVBT20, VKGW22, WSB+20]. **Flow-induced** [ZN20].

flowing [DAB+21]. **flowpaths** [GEHD20]. **flows** [NH22]. **Fluctuating** [WBB+21, GK22, SPBK21, ZXZ+23]. **fluctuation** [BWSW24]. **fluctuations** [JHS+21, WRMP22]. **Fluid** [CUS21, CGR22, STAK22]. **flume** [WTvD+22]. **fluorescence** [GF21, LLBC20, RKBT+23]. **fluorescence-based** [LLBC20]. **Fluorescent** [BMG+23]. **flushing** [XWL+21]. **fluvial** [PSE+20, PGB24, RBAC+20, YLT+20]. **flux** [CCB+20, CHS+20, CBN21, DHNH22, DGTW21, FUUG+21, HCB+22, HZM+21, IKN+21, MGWS23, NB20, RSP+24, SBD+21, SMNT22, VLP+21, WF22, WDS+23, WSZ22a, WSZ22b, YMSH20]. **fluxes** [ACW+22, GBB+21, LXC+21a, MCYR20, NSK+21, RST+21, SLRS+24, SWK+23]. **focusing** [SGA+22]. **following** [CLGH23, CGD22, CBC+22, HFL+20, KHHZ20, RWS+22, SSS+20, TKM+22]. **Food** [BHR+23, BOC+21, Gil22, MV22a, MV22b, PSNS22, RBL+20, TSX+23, WRC+21, APB+23, BR22, CDH+21, CESS21, CGL+21, EG20, FSM+21, FWT+20, FLW+21, GGS+21, HCH+24, IFU+20, JSPS24, KPL+20, KLG+23, LTQS+21, LCM+22, LCHB22, LEB21, MMF+21, MLC+21, MSB+20, SWC+23, SSK24, TCS21, VCT+23, WHZ+21, YAP+22]. **foraging** [CFC+20, CSB22, NCC+21, STAK22]. **foraminiferal** [XLN21]. **forces** [CLP+24]. **forcing** [CMB+21, MK21, SRN+21, ZZHZ23]. **forcings** [YJB+20]. **fore** [EDC24]. **forecast** [SJH20]. **forecasting** [MO23, THS21]. **forest** [BRM+23, PBP+23, TCP+22, WLSD21]. **forested** [AFH+22]. **forests** [CESS21, FW21, SOO+21, SMKS22]. **form** [VWR+23]. **formation** [BC20, CZH+21, GAS+21, GBC+20, HVMS+21, LBL+24, PLLM21, YGD+21, ZSZ+21]. **forming** [BMH+23, KOR+20]. **forms** [KRC23, SML21b, ZvBZ+20]. **Forward** [ZJ22a]. **foundations** [BV21]. **four** [BMR+21a, SVMM+22]. **fraction** [BCL+22]. **fractionated** [KSF+23, KSR20, LXC+21b]. **fractionation** [HRK+22, WOK+21, WMRL22]. **fractionations** [ORRMD+21]. **fractions** [LHMR23, LMS+21]. **Fragilariopsis** [MLG+20, MGC+20]. **framework** [BBCA+21, BFW+22, MLB+21, MO23, SHPW22]. **Francisco** [BM22, BMB22]. **free** [AHF+22, KHSP21, SYMF21, WPY+20]. **free-floating** [SYMF21]. **free-living** [WPY+20]. **frequency** [CZK+23, DAD+21, FR23, LGI+20, MK21, MKD22, SWK+23, SSM+22a, VVMJ23, WDG+21]. **frequent** [BRB+22]. **Fresh** [IÁSNCR21]. **Freshening** [WM20]. **Freshwater** [MLP+21a, AMC21, BHSG+20, BWV+20, BR22, BGM+21, BOC+21, BLS20, CML23, CKCB+23, DWR+23, HSBC20, HP20, KWS+21, LTQS+21, LABM20, MSGW+20, MWHR+22, PGEB22, RVBP23, SBH23, VJS+20, WNHY21, XTJW21, vdPMF+21]. **freshwaters** [BYS+23, CPB+21]. **fringed** [KDZ+24]. **Front** [TKA21, SCC+21, YLT+20]. **Frontal** [SSA+23]. **frustules** [XSZ+21]. **fucans** [HVMS+21]. **fuels** [CBF+23]. **Fukushima** [TNK+22]. **Fukushima-derived** [TNK+22]. **Full** [SO23, OLR+23, RVS+22]. **Full-year** [SO23]. **function** [BJG+22, HTSG21, LBBM21, LHH24, MMF+21, MKM+23, OYM+20, THVJ23, VWR+23]. **Functional** [KL22, MLB+21, MACC24, SSK24, BWB+22, CSB22, DTPV21,

FAB+20, HLH+23, HPCH24, MKP+23, MVBG20, OAM+22, PGEB22, RvHF+20, RLL+21, SPR22, WOT+23, WCZ+20]. **functionally** [MCH+22]. **functioning** [GMS21, PSNS22]. **functions** [XYL+23]. **Fundamental** [KAP+20]. **fungal** [FWT+20, XYL+23]. **fungi** [KSN+21]. **fungicides** [BZK+22]. **Future** [RGW+23, BFW+22, EWGP22, FM21, GM22, LLSQ24, NB23, RBD22, VMT+20, WHAR+20]. **Fuxian** [XTL+20].

G [MK20]. **gamma** [GCEM+23]. **gas** [BSIdG23, GPK+21, HABL+21, KSH+23, MBA+21, MGI+22, PLB+21, RSP+24, SMNT22, SLRS+24]. **gegenbauri** [FLW+21]. **gelatinous** [CDH+21, HCH+24]. **gene** [BMH+23, DLL20, MBD+22, MBD+23, WCZ+20, WNHY21, ZR23]. **generalists** [MZW+21]. **genes** [BCA+20, FAB+20, LOW+20, MVBG20]. **Geneva** [Lem20, SLZ+21b]. **genomes** [RCS+20]. **Genomic** [MUGL20]. **gentoo** [NCC+21]. **Geochemical** [SGA+22, TJW+22]. **Geographic** [MRH+23, LWH+23, LCS+20]. **geologic** [CEE+22]. **geomorphic** [LGF22]. **geomorphology** [BMR+21b]. **George** [THT+20]. **germination** [ZZL+21]. **germination-features** [ZZL+21]. **giant** [SBB+21, XKP+22]. **gigas** [PMRG20]. **Giling** [Ano21a]. **Glacial** [MCS+23, NB23]. **glacialis** [CBS+21, PPB+21]. **Glacier** [FBJ+23, BJK+21, RBR+24]. **glacier-marine** [RBR+24]. **glacierized** [BSF+21]. **Glaciers** [DBFC24, VMT+24]. **Global** [GGHBS+20, LG21, ABC+21, BDE+22, CLC+20, CLC+21, CBC+22, DCJB22, JHS+21, KDV+23, OYM+20, OJUN23, PJRV23, RTM+20]. **globally** [GSD+23, HGF+21]. **Glomalin** [PYY+20, ZJW+22]. **Glomalin-related** [PYY+20]. **glycerol** [ZLL+24]. **glycine** [MAD+22]. **Going** [FNB+23]. **gold** [LCHB22]. **Gone** [MACC24]. **govern** [BD22, GLAHH+23]. **gradient** [ADLW22, AKT+21, BWV+20, BRHS20, CÖL+20, CBHB21, HHMH22, IMB+22, IYW+22, KAP+20, LSC+21, MLP+21a, PMF+21, RCMA21, SWOR20, SO23, SGSD+22, TKW+23, VST+22]. **gradients** [BSGA21, CLG+24, GLAHH+23, LAFV23, MTB+21, SORGC+21, TKA21, TKS+20]. **gravel** [ARBvS+21]. **gravel-bed** [ARBvS+21]. **grazer** [GSD+23]. **grazers** [BWB+22, SDSGR21, ZJ22b]. **Grazing** [HBY+22, TATC+24, DvOH+20, GBMKJ22, JHBB22, LES+21, MMG+21, SDSGR21, ST22, XSZ+21, ZSZ+21]. **Great** [GSP+23, MFM+21, SWOR20, ETG21, GBO+20, MBB+20, VCBB20, YJB+20]. **green** [JHBB22, LHH24]. **greenhouse** [BSIdG23, HABL+21, KSH+23, MGI+22, PLB+21, SLRS+24]. **Greening** [FSM+21]. **Greenland** [BHSG+20, MN20, XTJW21]. **gregaria** [CUS21]. **gross** [SSM+22a]. **Groundwater** [KPM+20, BKMY21, FKN21, HGH+21, IÁSNCR21, KRM+20, NSK+21, RTM+21, RST+21, WLK+21]. **Groundwater-controlled** [KPM+20]. **groundwater-dependent** [HGH+21]. **group** [BBL+21, EHC+22, SSB+22]. **groups** [BDL+21, LTQS+21, LLBC20, SRM23]. **Growth** [JHS+21, ZLS+21, BS20, BK20, CFC+20, DWR+23, FPG+24, FBJ+23, FPB+23, HSP+20, JHBB22, KPG+23, KFHS24, LSL+20, LDB+21, LSDA21,

MRC+24, MVP+20, MDWT+22, MMLPRHCG22, PKV20, QBJG21, RGW+23, SMD21, YSHS22, ZWM22]. **Growth-dependent** [ZLS+21]. **guidelines** [LCMG+20]. **guilds** [RBAC+20, WSZ22b, WSZ22a]. **Gulf** [DLDF21, DP22, KPS21, MLP+21a, PMRG20, SMP21, WSZ22a, WSZ22b, YMSH20]. **guttatus** [BFCC+21]. **Gyre** [HYPG+22, RPKC22, ZBNH+21].

H [LTLH22, hTRH20]. **Habitat** [BBCA+21, WHZ+21, CYZZ+20, CBD+23, DFJ22, GRJ20, KHCG+22, MO23, PSY+22, SSA+23, VKGW22, YAH+21]. **Habitat-dependent** [WHZ+21]. **Habitat-specific** [BBCA+21]. **habitats** [CLW+21, CEW+21, GPDA+20, HLPT20, MHL+20, RD23, VCT+23, WHAR+20]. **hadal** [FUUG+21]. **hadopelagic** [LZD+23]. **Halisarca** [LMP+20]. **halocline** [CLD+23]. **handling** [RTK23]. **haplotypes** [LGI+20]. **haptophytes** [THT+20]. **hard** [MKBSK19]. **hard-substrate** [MKBSK19]. **Harmful** [BK20, DTPV21, HM20, HMB+22, KAC+23, KRC23, LZG21, PHM21, SKB+22, THS21]. **Harvey** [KPS21]. **Hatteras** [SCC+21]. **HAUSGARTEN** [MKBSK19]. **Hawaiian** [SWS+22, BST+22, HBY+22, PMJ+21]. **Headward** [WPO+22]. **Headward-eroding** [WPO+22]. **headwater** [BCL+22, RWT+21, RBSB22]. **Headwaters** [GBHF21]. **healthy** [YvdHC+20]. **heat** [EJRRC+23, LRdGFP23, SSL22, SRV+20, VGvdB+21]. **heated** [DKW+21, DMCW23]. **heatwave** [DMM+21, JHSG+24, ZZHZ23]. **heatwaves** [GBW24, ZSF+23]. **heel** [ZvBZ+20]. **hemisphere** [CZK+23]. **herbicides** [YML+21]. **herbivory** [FWT+20, JREVB21, LCZ+21]. **heterogeneity** [CLW+21, GCW+23, HMB+20, RWT+21, SCC+21]. **Heterogeneous** [BSGA21, MOW+22]. **Heterotrophic** [LTH21, RHS+22, AH20, BMG+23, DWW+21, ELS23, GAS+23, LOW+20, LABM20, OMM21, PGN+21, PMJ+21, SWC+23, STAK22, ZLW+21a]. **Hg** [CBB+22]. **High** [CML23, KRB+21, KSH+23, LZD+23, MDIY23, MKD22, PSE+20, PHB+22, SWK+23, VVMJ23, WDG+21, ZZO+21, AAC+21, BCWS23, BOC+21, BBGM20, CGGC+21, CM20a, CZK+23, CGB+21, DGTW21, DCF+22, DAD+21, EFP+21, JLW+23, JSB+20, JLMW21, KCT23, KMV+20, KTA+21, LDG+21, MCYR20, MHVC22, RBR+24, RRAO+21, SIP21, SSM+22a, SEG21, SLHL+22, VMT+24, WZCK20, ZQB+21, vdPMF+21, PLB+21, RCS+20]. **high-altitude** [DCF+22]. **high-Arctic** [BOC+21]. **high-elevation** [CM20a, DGTW21, SLHL+22, VMT+24, ZQB+21]. **High-frequency** [MKD22, SWK+23, VVMJ23, WDG+21, CZK+23, DAD+21, SSM+22a]. **high-latitude** [JSB+20, KCT23, LDG+21, SLHL+22]. **high-mountain** [CGGC+21, MHVC22]. **High-resolution** [PHB+22, ZZO+21, BCWS23]. **high-throughput** [BBGM20, WZCK20]. **Higher** [GCEM+23, MRT+24, TION23, CLC+22]. **Highest** [KTA+21]. **Highly** [ZLW+21a, EFC+23, LDG+21, RBD22]. **historic** [MDDL22]. **Historical** [GGLH+22, BAG+24]. **history** [HXL+21, SSL22]. **holobionts** [MSD23]. **Holocene** [MPW+23]. **holomictic** [XTL+20]. **Homeostasis** [DBB+21].

Homeostatic [HP20]. **host** [FPBG+22, KSN+21, LEB21, TVB+21]. **host-algae** [FPBG+22]. **hosted** [BVL+23]. **hosts** [CML23]. **Hot** [ONH+20]. **hotspot** [KPNJ23, SCC+21]. **hotspots** [CFC+20, EFC+23]. **Hudson** [SMNT22]. **Human** [ZZWL22, JLW+23, LVZ21, NDP+24, ZSD+20, vHLV+20]. **human-altered** [LVZ21]. **human-dominated** [NDP+24]. **Humboldt** [PMRG20]. **humic** [EFC+23]. **Hurricane** [KPS21]. **huxleyi** [KTWGT20, MLS+21, ZLS+21]. **hybridization** [CSH21, CBS+21, PPB+21]. **Hydraulic** [ARBvS+21]. **hydroclimate** [BJG+22]. **Hydrodynamic** [GLB+22, GCMJ23, RPA+22, SMF20, SYMF21]. **hydrodynamics** [SCM22, TCP+22]. **hydrogen** [SGK+21]. **hydrogenase** [LTLH22]. **Hydrologic** [JSB+20, PCJ+21, YMSH20, BMR+21b, DPB+23, YJB+20]. **hydrologically** [BCL+22, DBFC24, FBRG23]. **Hydrology** [DBM+23, ESW+21, BCTH20, RSLW23, RVS+22, ZYZ+21]. **hydromedusa** [CUS21]. **hydroperiod** [DGTW21]. **hydrostatic** [SEG21]. **hydrothermal** [ASL+24, LBG+22, dCLO+23]. **hyper** [AWGV20]. **hyper-eutrophic** [AWGV20]. **hyperborea** [SOO+21]. **hypereutrophic** [KTA+21]. **hypersaline** [MVBG20, SSM+21a]. **Hypolimnetic** [SSWM20, SDS+23]. **hypolimnia** [LM24]. **hypolimnion** [Lem20, SPLJA+20]. **hyporheic** [BZK+22]. **hypothesis** [LD22, SB22, WRA+23, ZLL+21, CFC+20]. **Hypoxia** [CBHB21, AAB+22, EFG+24, LHS+21, MKL+24, PMD+23, SLZ+21a, YGD+21, ZLU+20, vHLV+20]. **hypoxia-driven** [MKL+24]. **hypoxic** [LM24, MLK+22, QRWT+22, RWS+22, SCB+20]. **hysteresis** [MAP+22].

ice [AHF+22, CCA+21, CVF+20, HS21, JHvL+23, KPG+23, KFHS24, LAFV23, LDS+20, LXC+21b, MLG+20, OBL20, PMD+23, PW22, PGN+21, PFB+22, RFW+24, SSM+21a, SBM+21, SMCS23, SGL+23, SJJ+21, TMS+21, VCT+23, VMP+21, WOMWR20, WRHR22, YWLY20, ZXE+23]. **ice-associated** [KFHS24, WRHR22]. **ice-covered** [CVF+20, LDS+20, LXC+21b, PMD+23, SSM+21a, SMCS23]. **ice-floe** [SBM+21]. **ice-free** [AHF+22]. **ice-retreat** [SJJ+21]. **Identification** [AMC21]. **identifies** [OGD20, SLHL+22]. **Identifying** [vHHP+22]. **III** [KLP23]. **illuminate** [BBGM20]. **illuminates** [BBM21]. **illuminations** [GTKW+20]. **image** [OAM+22]. **imagery** [SGM+22]. **images** [VMP+21]. **imaging** [BO20, BBGM20, FHMK20, GSD+23]. **imbalances** [KTA+21, MSJ21]. **immediate** [SPKM22]. **Impact** [LBG+22, SMG+22, SBL+21, YG23, ZSD+20, JLW+23, KWS+21, LG21, MIR+22, RLL+21, RWT+21, YOXC23, ZN20]. **impacted** [LSCL21]. **impactful** [CCG+22]. **Impacts** [BJS+23b, OBB+20, BSB+20, BKC20, CLW+21, HM20, LZM+21, PCN22, PVSP+22, SLRS+24, WHAR+20, WWB+20, WBB+21, WSB+20, WHZ+21, WCC20, YML+21, ZZWL22, ONH+20, SRN+21]. **impair** [BDMGH+23]. **impairs** [MGP+21]. **Implication** [JYA21]. **Implications** [BH21, FBJ+23, FUUG+21, GBB+21, GAS+23, MSJ21, PYY+20, THT+20,

XMP+21, YWLY20, YAP+22, BPL22, EAF+22, FNB+23, Gil22, GM22, KDW+23, QBJG21, ZXE+23]. **Importance** [BBH+20, MGI+22, BCTH20, BBM21, FBR+23, GCW+23, HS21, LLBC20, MHG+23, TION23, TKH21, TRS+20, ZZT+21]. **important** [GKW+20, GKW+21, MCS+23, MKM+23, RLL+21]. **improve** [THS21]. **improvement** [HSB+20]. **In-lake** [SEK20]. **including** [ZN20]. **incorporation** [FSH+23, GE22]. **increase** [DKW+21, KLO23, ZZCD23]. **Increased** [BJK+21, CLC+22, BAG+24, KFHS24, MRT+24, YSHS22]. **increases** [LMS23, VKGW22, ZLL+21, ZZT+21]. **Increasing** [ALH+21, CT23, FBV23, OJUN23, SBL+21]. **incubation** [BBA+23]. **incubations** [TION23]. **independent** [JSW+21]. **Indian** [BGAD+22, BLRM24, GRJ+22, LGI+20]. **indicate** [CTF+21, HFL+20, LDG+21]. **indicates** [OJUN23]. **indicator** [MDP+23]. **indicators** [WHAR+20]. **indices** [LEK+22]. **indirect** [MEQBV20, MSB+20]. **Indo** [HOB+22, YAH+21]. **Indo-Pacific** [HOB+22]. **induce** [AH20, MRT+24]. **induced** [DAD+21, GMNG+24, IYW+22, LLC+23, LXC+21a, SYMF21, SYT+21, SCM22, SBW21, TNK+22, TSX+23, WTvD+22, ZN20, ZSZ+21]. **induces** [PW22]. **infaunal** [LNR+20]. **Infection** [FWT+20]. **infer** [RBD22]. **inferred** [BFCC+21, CZK+23, MNMJ+21]. **inflow** [BM22, CHS+20, FBK+22, LWC+24, MLP+21a]. **inflows** [PBGGRB21]. **Influence** [ABS+21, LL23, TCP+22, dCLO+23, AVJ+24, BJS23a, CZS+22, DLL20, HMM+22, HZC+24, HNS21, JSPS24, KHK+22, KLP23, KPNJ23, MGGRR+21, RMH+22, SML21b, SMKS22, VMT+24, YSHS23, ZYZ+21]. **influenced** [CESS21, FXD+22, HZM+21, LSC+21, REF+21]. **influences** [BBCA+21, CGD22, DBFC24, FBJ+23, OYM+20]. **influencing** [EBK+20, SBB+21]. **influx** [BHSL21]. **inform** [ASH+20]. **Information** [Ano20b, Ano20c, Ano20d, Ano20e, Ano20f, Ano20g, Ano20h, Ano20i, Ano20j, Ano20k, Ano20l, Ano20m, Ano20n, Ano20o, Ano20p, Ano20q, Ano20r, Ano20s, Ano20t, Ano20u, Ano20v, Ano20w, Ano20x, Ano20y, Ano20-38, Ano20z, Ano20-39, Ano20-27, Ano20-40, Ano20-28, Ano20-41, Ano20-29, Ano20-42, Ano20-30, Ano20-43, Ano20-31, Ano20-44, Ano20-32, Ano20-45, Ano20-33, Ano20-34, Ano20-46, Ano20-35, Ano20-47, Ano20-36, Ano20-48, Ano20-37, Ano20-49, Ano20-50, Ano20-51, Ano20-52, Ano20-53, Ano20-54, Ano20-55, Ano20-56, Ano20-57, Ano20-58, Ano20-59, Ano20-60, Ano20-61, Ano21e, Ano21f, Ano21g, Ano21h, Ano21i, Ano21j, Ano21k, Ano21l, Ano21m, Ano21n, Ano21o, Ano21-53, Ano21p, Ano21q, Ano21-29, Ano21r, Ano21-30, Ano21s, Ano21-31, Ano21t, Ano21-32, Ano21u, Ano21-33, Ano21v]. **Information** [Ano21-34, Ano21w, Ano21-35, Ano21x, Ano21-36, Ano21y, Ano21-37, Ano21z, Ano21-38, Ano21-27, Ano21-39, Ano21-54, Ano21-55, Ano21-28, Ano21-40, Ano21-41, Ano21-42, Ano21-43, Ano21-44, Ano21-45, Ano21-46, Ano21-47, Ano21-48, Ano21-49, Ano21-50, Ano21-51, Ano21-56, Ano21-52, Ano22e, Ano22f, Ano22g, Ano22h, Ano22i, Ano22j, Ano22k, Ano22l, Ano22m, Ano22n, Ano22o, Ano22p, Ano22a, Ano22q, Ano22r,

Ano22-31, Ano22-30, Ano22-43, Ano22s, Ano22-32, Ano22t, Ano22-33, Ano22u, Ano22-34, Ano22v, Ano22-35, Ano22w, Ano22-36, Ano22x, Ano22-37, Ano22y, Ano22-38, Ano22z, Ano22-39, Ano22-27, Ano22-40, Ano22-28, Ano22-41, Ano22-29, Ano22-42, Ano22b, Ano22c, Ano22-44, Ano22-45, Ano22-46, Ano22-47, Ano22-48, Ano22-49, Ano22-50, Ano22-51, Ano22-52, Ano22-53, Ano22-54, Ano22-55, Ano22d, Ano22-56]. **Information** [Ano23a, Ano23b, Ano23c, Ano23d, Ano23e, Ano23f, Ano23g, Ano23h, Ano23i, Ano23j, Ano23k, Ano23l, Ano23m, Ano23y, Ano23n, Ano23z, Ano23o, Ano23-27, Ano23p, Ano23-28, Ano23q, Ano23-29, Ano23r, Ano23-30, Ano23s, Ano23-31, Ano23t, Ano23-32, Ano23u, Ano23-33, Ano23v, Ano23-34, Ano23w, Ano23-35, Ano23x, Ano23-36, Ano23-37, Ano23-38, Ano23-39, Ano23-40, Ano23-41, Ano23-42, Ano23-43, Ano23-44, Ano23-45, Ano23-46, Ano23-47, Ano23-48, Ano24a, Ano24b, Ano24c, Ano24d, Ano24e, Ano24i, Ano24f, Ano24j, Ano24g, Ano24k, Ano24h, Ano24l, Ano24m, Ano24n, Ano24o, Ano24p]. **informs** [KSF+23]. **Ingestion** [BWSW24, ELS23, BZSF23, TION23]. **inhabiting** [AHCJ+20]. **inhibited** [GBMKJ22]. **initiates** [BFE+20]. **initiation** [PHM21]. **inland** [GMI+21]. **inlet** [IÁSNCR21]. **Inorganic** [BDL+21, ACW+22, FAB+20, HSD+20, KHHZ20, MHP+23, MKM+23, QRWT+22, RSLW23, RVvB+23, RCH+20, SKA+24, TEK+21, VWR+23, ZLU+20]. **input** [YML+21]. **inputs** [BOC+21, CZK+23, LPMBR23, TSX+23]. **insect** [BWB+22]. **Insight** [LLC+23]. **Insights** [ACW+22, BCWS23, BDE+22, HCH+24, LLMM+23, LVDM22, Lem20, LN21, PYM+20, SEG21, WAPC20, APB+23, HGA24, KLG+23, WOK+21, ZZB+20]. **Instr** [Ano20n, Ano20o, Ano20p, Ano20q, Ano20r, Ano20s, Ano20t, Ano20u, Ano20v, Ano20w, Ano20x, Ano20y]. **instrumented** [KTH+21]. **Integrating** [CSM+23, HHK+22, PSY+22, KSF+23]. **integrative** [ST22]. **intelligence** [ARB+22]. **intense** [AFH+22, CBF+23, CMT+20, DBB+21, LRM21]. **intensifies** [SVC+22]. **intensify** [ZXZ+23]. **intensity** [MTB+21, RGW+23]. **inter** [KMV+20, vdPMF+21]. **inter-annual** [vdPMF+21]. **inter-replacement** [KMV+20]. **Interaction** [ZLU+20, EWF22, GAS+21, KBL+20, LMSN23]. **Interactions** [BBA+23, HMB+20, ZFQ+20, CHA+24, GGS+21, MIR+22, PGB24, SDSGR21, TKH21]. **Interactive** [FPB+23, MGC+20, STB22, AFK+22, WWB+20]. **interactome** [CLC+20, CLC+21]. **interannual** [CGRGP+21, CP22, DLDF21, JLW+23, PFB+22, RFW+24]. **interface** [BKMY21, RWMP+23]. **interferes** [HXL+21]. **Interleaving** [HPNU20]. **intermediate** [RS20]. **intermittency** [PSE+20]. **intermittent** [SPR22]. **Internal** [BMS+22, FWDY20, GLN+20, LHH24, FGO+20, GLN+21, HMB+22, MXL+21, NH22, PRS+20, XMP+21]. **Interplay** [SGSD+22, CYPRG+23, HZM+21]. **Interrelated** [YSHS23]. **Interspecific** [VGvdB+21, BHG+24, MKL+24]. **intertidal** [DvOH+20, EJM+23, FNB+23, ORE20, PYM+20, RS21, SYT+21, TEK+21]. **intertidal-flat** [SYT+21]. **intraguild** [PSNS22]. **intraspecific** [LLSQ24].

introduced [LCS+20, WTvD+22]. **introgression** [PPB+21, WNHY21]. **intrusion** [KTH+21]. **intrusions** [HPNU20, NH23]. **invader** [LBJS22]. **invasion** [YWZ+21]. **invasions** [SBH23, WHZ+21]. **invasive** [BDMGH+23, MWV22]. **inversions** [AAB+22]. **invertebrate** [DBFC24]. **invertebrates** [HANW21, MKBSK19, SRV+20]. **inverted** [LSW+20a]. **Investigating** [FHR+21]. **involved** [LOW+20, ZSZ+21]. **iodine** [SOSN23]. **Ireland** [SOO+21]. **iron** [BTT23, EBW+20, EFG+24, HYPG+22, HZM+21, HPB+21, JWAvD+22, KLP23, LG21, LHS+21, LTW+24, LHMR23, LMS+21, MGC+20, MWHR+22, SGA+22, SdBW+23, WRS+22, YSHS22, YSHS23, ZJW+22, ZLL+21]. **iron-dependent** [MWHR+22]. **iron-light-CO** [YSHS22]. **iron-supported** [SZY+20]. **Irradiance** [KKP+21, CT23, KNG+23, MSD23]. **irradiated** [AFM23]. **irradiation** [KRB+21]. **Island** [LVHK20, MSGW+20, MVBG20, FMT+20]. **Islands** [MSGW+20, SBV+21, SWS+22]. **isolation** [BRB+22]. **isoscapes** [YAH+21]. **Isotope** [MGG+24, CDH+21, DMS+21, HRK+22, KLG+23, LHGJ21, ORRMD+21, SRM23, TMM+20, WDS+23, WAPC20]. **isotopes** [CDW+24, DWS+22, EST+24, HFL+20, HCH+24, HZC+24, IFU+20, LVDM22, LLC+23, MLP+21a, SWS+22, VCT+23, WRS+22, ZSD+20]. **Isotopic** [PMJ+21, TZF+22, Ano21c, BSF+21, FXD+22, GAS+23, HLKD23, SSK24, TUR+20, WRWPG19, WMRL22]. **isotopomeric** [WLK+21]. **Issue** [Ano20b, Ano20c, Ano20d, Ano20e, Ano20f, Ano20g, Ano20h, Ano20i, Ano20j, Ano20k, Ano20l, Ano20m, Ano20n, Ano20o, Ano20p, Ano20q, Ano20r, Ano20s, Ano20t, Ano20u, Ano20v, Ano20w, Ano20x, Ano20y, Ano20-38, Ano20z, Ano20-39, Ano20-27, Ano20-40, Ano20-28, Ano20-41, Ano20-29, Ano20-42, Ano20-30, Ano20-43, Ano20-31, Ano20-44, Ano20-32, Ano20-45, Ano20-33, Ano20-34, Ano20-46, Ano20-35, Ano20-47, Ano20-36, Ano20-48, Ano20-37, Ano20-49, Ano20-50, Ano20-51, Ano20-52, Ano20-53, Ano20-54, Ano20-55, Ano20-56, Ano20-57, Ano20-58, Ano20-59, Ano20-60, Ano20-61, Ano21e, Ano21f, Ano21g, Ano21h, Ano21i, Ano21j, Ano21k, Ano21l, Ano21m, Ano21n, Ano21o, Ano21-53, Ano21p, Ano21q, Ano21-29, Ano21r, Ano21-30, Ano21s, Ano21-31, Ano21t, Ano21-32, Ano21u, Ano21-33, Ano21v]. **Issue** [Ano21-34, Ano21w, Ano21-35, Ano21x, Ano21-36, Ano21y, Ano21-37, Ano21z, Ano21-38, Ano21-27, Ano21-39, Ano21-54, Ano21-55, Ano21-28, Ano21-40, Ano21-41, Ano21-42, Ano21-43, Ano21-44, Ano21-45, Ano21-46, Ano21-47, Ano21-48, Ano21-49, Ano21-50, Ano21-51, Ano21-56, Ano21-52, Ano22e, Ano22f, Ano22g, Ano22h, Ano22i, Ano22j, Ano22k, Ano22l, Ano22m, Ano22n, Ano22o, Ano22p, Ano22a, Ano22q, Ano22r, Ano22-31, Ano22-30, Ano22-43, Ano22s, Ano22-32, Ano22t, Ano22-33, Ano22u, Ano22-34, Ano22v, Ano22-35, Ano22w, Ano22-36, Ano22x, Ano22-37, Ano22y, Ano22-38, Ano22z, Ano22-39, Ano22-27, Ano22-40, Ano22-28, Ano22-41, Ano22-29, Ano22-42, Ano22b, Ano22c, Ano22-44, Ano22-45, Ano22-46, Ano22-47, Ano22-48, Ano22-49, Ano22-50, Ano22-51, Ano22-52, Ano22-53, Ano22-54, Ano22-55, Ano22d, Ano22-56]. **Issue**

[Ano23a, Ano23b, Ano23c, Ano23d, Ano23e, Ano23f, Ano23g, Ano23h, Ano23i, Ano23j, Ano23k, Ano23l, Ano23m, Ano23y, Ano23n, Ano23z, Ano23o, Ano23-27, Ano23p, Ano23-28, Ano23q, Ano23-29, Ano23r, Ano23-30, Ano23s, Ano23-31, Ano23t, Ano23-32, Ano23u, Ano23-33, Ano23v, Ano23-34, Ano23w, Ano23-35, Ano23x, Ano23-36, Ano23-37, Ano23-38, Ano23-39, Ano23-40, Ano23-41, Ano23-42, Ano23-43, Ano23-44, Ano23-45, Ano23-46, Ano23-47, Ano23-48, Ano24a, Ano24b, Ano24c, Ano24d, Ano24e, Ano24i, Ano24f, Ano24j, Ano24g, Ano24k, Ano24h, Ano24l, Ano24m, Ano24n, Ano24o, Ano24p]. **Issues** [BR22].

Japan [LDB+20, LDB+21, NSK+21]. **japonicus** [LDB+21]. **jelly** [CDH+21]. **jellyfish** [HGF+21, MMKWZ22, MBC+21, OFM+21, TKH21]. **juvenile** [CSNS24, FBJ+23, LDG+21].

kairomone [HXL+21]. **Kaiser** [Ano21b]. **karst** [BPL22]. **keep** [ETG21]. **keeping** [FGO+20]. **Kelp** [vEMF+20, BRHS20, BS20, NB23, SPKM22, SBB+21, SMKS22, TCP+22, WLSD21]. **Kenya** [MGI+22]. **Kerguelen** [DAB+21, IJSC20]. **kerguelensis** [MGC+20]. **Kermadec** [SML+21a]. **key** [BTT23, BBL+21, LHS+21, VST+22, ZLJ+24, ZSF+23]. **Keys** [OLFH21]. **killer** [CCC+21]. **Kinetics** [FSS+23, ELS23, GF21, MSB+22]. **km** [TKW+23]. **known** [LSS+24]. **Kongsfjorden** [vdPMF+21]. **Krill** [NCC+21, CSNS24, YAH+21]. **Kuroshio** [LHS+20].

lab [BDE+22, SHZ+21]. **labile** [BKC20, HP20, MFGF+22, NKH+23, WCC20]. **lability** [BMG+23, PSNG+21]. **Lack** [KMM+22, BWB+22]. **lagoon** [BJS+23b, CCDM21, HHMH22, KX22, MBC+21, RWS+22, ZWM22]. **lagoonal** [YMSH20]. **lagoons** [BMR+21b]. **Lagrangian** [BGAD+22, FHR+21, RPA+22]. **lake** [ACA+22, ASH+20, AHF+22, BVL+23, BAG+24, BTK+21, BGG+20, BGM+22, BMLV24, BR22, CYPRG+23, CESS21, CHS+20, CTH+20, CKCB+23, CZK+23, DHNH22, DAN+22, DCF+22, DdEM+23, EST+24, ESW+21, EPR+24, FBK+22, FWDY20, FBV23, FPB+23, GGHBS+20, GWS+21, GB21, GB23, GKW+20, GKW+21, HZC+24, HNS21, HSB+20, HMB+22, HHK+22, HP20, HZZ+20, JOC+20, JSPS24, KKA22, KPM+20, KRC23, KPG+23, KHSP21, LVDM22, LDS+20, LZM+21, LLBC20, MBA+21, MAG+22, MOW+22, MWHR+22, MGG+24, MNMJ+21, OYM+20, PBC21, PCJ+21, PATL+23, Phi20, Phi21, PFB+22, PSK21, RNW+23, RLL+21, RFW+24, REF+21, RCS+20, SVC+22, SSM+21a, SPBK21, SGA+22, SO23, SGL+23, SCM22, SEK20, SBW21, SGM+21, SZY+20, SDS+23, SGS22, TKM+22, TKS+20, TMM+20, VMT+20, VWR+23, WCZ+20, XTL+20, YWLY20, YJB+20, vGDH+21, AJMG21, CYZZ+20, CWF+22, CTP21]. **Lake** [DSY20, GZX+22, LEK+22, Lem20, LDB+20, LDB+21, MWV22, MDP+23, MSB+20, NB20, ONH+20, PUH+23, RPA+22, SSP+20, SLZ+21b,

SRL+20, THT+20, TZF+22, VMT+20, XDQ+22, XTL+20, XMP+21].
lake-ice [YWLY20]. **lake-level** [BGM+22]. **lake-water** [MNMJ+21].
lakebed [NH23]. **Lakes**
[RD23, VCBB20, AVJ+24, AKT+21, Ano21a, BSIdG23, BMA+20, BLS+22, BGM+22, BMS+22, BV21, BPG+22, CLA+24, CCA+21, CLG+24, CM20a, CM20b, DAD+21, DKW+21, DMCW23, EAF+22, GGR24, GSG+17, HM20, HABL+21, IMB+22, JSPS24, JSB+20, KVKS22, KSH+23, LM24, LAD+22, LWH+23, LHH24, LPA+23, MBH+23, MTP+23, MLC+21, MSGW+20, MVBG20, MSJ21, MHVC22, MNMJ+21, PGEB22, PMD+23, PC21, PW22, PFB+22, PLB+21, QFM+21, RHA+23, RCMA21, RSP+24, SJH20, SPBK21, SGGB21, SMCS23, SPLJA+20, SSWM20, SLHL+22, TKW+23, TATC+24, VMT+24, VKK+21, VST+22, XTJW21, YJ20, ZSK+21, ZLJ+24, ZZWL22, ZZB+20, DLC+22, GSP+23, GBO+20, MFM+21, MBB+20, SWOR20].
lakeside [MOW+22]. **Laminaria** [SOO+21]. **Land**
[BSB+20, BGM+21, RTM+20, BCTH20, MGI+22, SML21b]. **landfast**
[JHvL+23]. **Landscape**
[ASH+20, CZH+21, DBFC24, LHL+21, LRM21, PFB+22, PLB+21, SZA+21].
landscapes [LVZ21, NDP+24]. **Large**
[XWL+21, ACW+22, BCL+22, BGAD+22, CCY+21, CMCC24, CHS+20, CTH+20, DHNH22, DMC+22, EST+24, EPR+24, FWDY20, FBV23, GEHD20, HZC+24, HLPT20, HMB+22, IÁSNCR21, JOC+20, KRC23, LM24, LAFV23, LHL+21, MGL22, MVP+20, MLS+21, MOW+22, PGB24, RHP+23, SH22, SO23, SGM+21, SDSGR21, TION23, TBH+22, VMT+20, WCZ+20, XDQ+22, YWLY20, ZLU+20, ZYZ+21]. **large-scale** [BGAD+22, SH22].
Larger [FLH+23, SGGB21, TION23]. **largest** [HTLP23]. **larvae**
[CPBJR+21, GFG+22, GPDA+20, OLR+23]. **Larval** [GLN+21, APB+23, GLN+20, MLP21b, MURK20, MDWT+22, RPA+22, SSA+23]. **last**
[TMKB+22]. **lasting** [SH22]. **Late** [SSR+23, BAHH+20, SBM+21].
Late-season [SSR+23]. **Lateral** [CTH+20, NH23]. **latitude**
[JSB+20, KCT23, LDG+21, SLHL+22]. **latitudes** [ARB+22, RHM+21].
Latitudinal
[GFW+20, BSGA21, JLS+20, JSL+23, LCS+20, RCMA21, ZZB+20].
Laurentian [GSP+23, MFM+21, SWOR20]. **layer**
[DHNH22, EFG+24, GBC+20, NH22, NH23]. **layers** [PLLM21, SBW21].
leads [BMH+23]. **leaf** [FPG+24, FRRG+21, ZN20]. **leaf-litter** [FRRG+21].
learning [MT23, OAM+22, RWMP+23, SCC+21]. **leaved** [VJS+20]. **leidyi**
[CCG+22]. **Length** [SGM+22]. **less** [MN20]. **leucine** [GE22]. **level**
[BGM+22, BPG+22, FBK+22, FNB+23, LVHK20, LRM21, QMG21, YLT+20, ZvBZ+20]. **levels** [EWGP22, KTA+21, RBAC+20, SPBK21, YWLY20].
Leveraging [HMBB21]. **Liaohe** [PYY+20]. **lidar** [CZS+22]. **Life**
[BST+22, DFW+20, HXL+21, LZG21, OFM+21, ZLJ+24]. **ligand**
[KLP23, WXK+22]. **Light**
[DPB+23, GEHD20, HPCH24, MCH+22, PCC+23, SSB+22, AVJ+24, BS20, CFC+20, CBT+21, CGB+21, DMM+21, FNB+23, GR24, GK22, HZS21,

HPP+21, HS21, JWAvD+22, KKP+21, KSR20, KLP23, MTB+21, MGC+20, MLG+20, Phi20, Phi21, QBJG21, RGW+23, SMKS22, TKA21, TPTS23, WWFS21, WRHR22, YSHS22, YSHS23, ZXZ+23]. **Light-driven** [MCH+22]. **Light-use** [HPCH24]. **limitation** [AFH+21, APB+23, AWGV20, BYS+23, BVGQN22, DCK+22, GCW+23, KHK+22, LTW+24, MDP+23, MGC+20, TPTS23, hTRH20, VWR+23, WK21, WRS+22, YSHS22, YAE+24, ZFQ+20]. **Limited** [BAD+21, TMS+21, TCP+22, ASH+20, EJM+23, GVF+23]. **limiting** [NB23]. **limits** [AR20, GAS+21]. **Limnol** [Ano21b]. **Limnology** [Ano21a, Kir20]. **Lineage** [WNHY21, MNM+21]. **lineages** [BRB+22, FM21]. **Linear** [GR24, FGO+20, TBH+22]. **link** [TVB+21, VGSB23]. **Linkages** [ZQB+21, FLW+21, HCS+21]. **linked** [BCFI+22, LNR+20, PWS+20, PFB+22, RvHF+20]. **Linking** [FAB+20, GMMW20, dMKB+20, FJP+21]. **links** [ARB+22, KHB22, RNW+23, SJJ+21]. **Lipid** [PMF+21, HNS21]. **lipidome** [BCFI+22]. **lithium** [FSH+23]. **litter** [BRB+20, FRRG+21]. **litter-associated** [BRB+20]. **littoral** [VMT+20, VKK+21]. **Live** [BFW+22]. **livestock** [GBMKJ22]. **living** [WPY+20]. **lno.10504** [Ano21a]. **load** [FBV23, MDBI20, RS21, TBH+22, WHAR+20]. **loading** [DSY20, HMB+22, JOC+20, LTH21, SDL22, VMT+20, XMP+21]. **loads** [Roy20]. **loathing** [PVSP+22]. **lobate** [CCG+22]. **lobsters** [BFCC+21]. **Local** [FRRG+21, KPNJ23, SLJ+22, OYM+20, SMG+22]. **Local-scale** [KPNJ23]. **location** [PHM21]. **locomotion** [JYA21]. **Long** [BBMD20, BMH+23, CB21a, CHA+24, FBV23, GBHF21, LAD+22, LGQ+21, MVP+20, MNMJ+21, RSLW23, SJH20, BCWS23, DAD+21, EDC24, FHMK20, HBR+22, LVHK20, Lem20, LZM+21, MKBSK19, SH22, SGM+21, YAH+21, MKBSK19]. **long-lasting** [SH22]. **Long-term** [BBMD20, BMH+23, CB21a, CHA+24, FBV23, GBHF21, LAD+22, LGQ+21, MVP+20, MNMJ+21, RSLW23, SJH20, BCWS23, DAD+21, FHMK20, HBR+22, LVHK20, Lem20, LZM+21, MKBSK19, SGM+21, YAH+21, MKBSK19]. **Longitudinal** [HCS+21]. **loop** [RNW+23, VGSB23, VKGW22]. **loops** [GM22]. **loss** [BH21, CM21, GMS21, SSS+20, ZQB+21]. **Low** [BBL+21, PBP+23, BTT23, BS20, BGM+21, BPG+22, CTM+21, CBHB21, CBD+23, EBK+20, FRRG+21, KRB+21, KKP+21, LDGB+24, MCYR20, OBL20, PUH+23, SDB+23, TKA21]. **low-energy** [SDB+23]. **low-level** [BPG+22]. **low-light** [KKP+21, TKA21]. **low-molecular** [BGM+21]. **low-oxygen-adapted** [CBD+23]. **low-quality** [FRRG+21]. **low-salinity** [OBL20]. **low-sulfate** [PUH+23]. **lower** [EJM+23, FPBG+22, TMSL22, DSY20]. **lowland** [MHL+20, PHB+22, RWT+21]. **lysates** [WCC20, ZLW+21a].

m [BGM+22]. **MA** [LVHK20]. **Machine** [OAM+22, MT23, RWMP+23, SCC+21]. **macro** [PBP+23, WLSD21]. **macro-tidal** [PBP+23, WLSD21]. **macroalgae** [BDMGH+23, DK20, LRRP20, RS21, SH22, SHBA22, SWS+22].

macroalgae-dominated [SH22]. **macroalgal** [BMR+21b, CCFF21, RMH+22, TPTS23, WBB+21]. **macrobenthic** [SYT+21]. **Macrocystis** [SBB+21]. **Macrofauna** [NvBE+21, HLPT20]. **macrofaunal** [DvOH+20]. **macroinvertebrate** [LLC21, LHL+21, MHdS+21]. **macroinvertebrates** [VKK+21, VST+22]. **macromolecular** [EHC+22, RRAO+21, ZLS+21]. **macronutrients** [HKM+20, MHP+23]. **macrophyte** [GGHBS+20, LRNG24, MCH+21, OGD20, SLHL+22, WCZ+20]. **macrophyte-** [WCZ+20]. **macrophytes** [HGMK22, HZZ+20]. **macrotidal** [YXC+22]. **magellanicus** [CGR22]. **magna** [LBvE23, RVBP23]. **magnitude** [SMW+21, WOT+23]. **main** [BAG+24, SWS+22]. **Maine** [DP22, SMP21]. **mainly** [OYM+20]. **major** [BCFI+22, EHC+22, HSD+20, KDZ+24, MBB+20, NvBE+21, YXC+22]. **Malawi** [NB20]. **management** [DFJ22, FGP22, XMP+21]. **Manganese** [LWvdM+21, SZY+20, BTT23, CLD+23, HPB+21, LHS+21, MCS+23, SGA+22]. **Manganese/iron** [SZY+20]. **Manganese/iron-supported** [SZY+20]. **mangrove** [BSB+20, CSC+21, CMCC24, CEE+22, EJM+23, HFL+20, KHK+22, KDZ+24, LAB+22, PBP+23, RMW+21, SSS+20, YOXC23, vHHP+21, vHHP+22]. **mangrove-dominated** [CMCC24, RMW+21]. **mangrove-fringed** [KDZ+24]. **mangrove-seagrass** [KHK+22]. **mangroves** [HMP+21]. **mapping** [PSY+22]. **Mara** [MGI+22]. **marginal** [FXD+22, LLK+22, LCZ+21, WXK+22, YWZZ20]. **mariculture** [XYL+23]. **marina** [GGS+21, SIP21]. **Marine** [EFC+23, MHD+22, SRV+20, ARPFGS23, AMC21, BMG+23, BHSG+20, BMCS23, BPIBN20, BFE+20, CML23, CBT+21, CHA+24, DCJB22, DBB+21, DWW+21, DCK+22, EHC+22, EJRRC+23, EWF22, GBW24, GM22, GFW+20, GAS+23, HLKD23, HVMS+21, JHSG+24, JHS+21, JLMW21, KOR+20, LCMG+20, LG21, LD22, LCM+22, LSL+20, LN21, LMSN23, MLK+22, MNM+21, MUGL20, MLP21b, MZW+21, MK20, OBL21, OGD20, PPB+21, PDK+23, RBR+24, SJR21, SB22, SEG21, SGK+21, ST22, SSK24, TCS21, VKB+22, WWGP21, YAP+22, YSHS22, ZR23, ZZHZ23, ZLL+24, ZLL+21, ZFQ+20]. **Marked** [IJSC20]. **marker** [DAB+21]. **marsh** [BVM+20, CZH+21, DKPS23, EJM+23, HSBC20, KBB+22, LVHK20, LSC+21, MEQBV20, OJUN23, PNT+21, RWMP+23, SVBT20, SRN+21, SWK+23, XWL+21, ZLN21]. **marsh-influenced** [LSC+21]. **marshes** [GBMKJ22, LGF22, MKM+23, QMG21, TEK+21, YLT+20]. **masks** [BYS+23, LDB+20]. **mass** [BAG+24, ESW+21, JYA21, KBSA21, LVDM22, LLC+23, RFB+22, RST+21, SH22, YWZ+21]. **masses** [EBK+20, FBRG23]. **Massive** [MBLA+21, YAP+22]. **Masthead** [Ano20z, Ano20-27, Ano20-28, Ano20-29, Ano20-30, Ano20-31, Ano20-32, Ano20-33, Ano20-34, Ano20-35, Ano20-36, Ano20-37, Ano21q, Ano21r, Ano21s, Ano21t, Ano21u, Ano21v, Ano21w, Ano21x, Ano21y, Ano21z, Ano21-27, Ano21-54, Ano21-28, Ano22r, Ano22-30, Ano22s, Ano22t, Ano22u, Ano22v,

Ano22w, Ano22x, Ano22y, Ano22z, Ano22-27, Ano22-28, Ano22-29, Ano22b, Ano23m, Ano23n, Ano23o, Ano23p, Ano23q, Ano23r, Ano23s, Ano23t, Ano23u, Ano23v, Ano23w, Ano23x, Ano24e, Ano24f, Ano24g, Ano24h]. **mat** [MVBG20]. **matching** [LEB21]. **material** [HPF+23]. **matrix** [GRJ20]. **mats** [MVBG20]. **matter** [AVJ+24, ABS+21, AKT+21, AMC21, BAG+24, BSF+21, BBH+20, BAD+21, BGG+20, BYS+23, BJG+22, BZK+22, BGM+21, CPB+21, CTP21, CLC+22, CM21, CCDM21, DVL+23, DLC+22, FAB+20, FXD+22, GMI+21, GAS+23, HOB+22, HHK+22, HCS+21, JSB+20, KAP+20, KDZ+24, KBB+22, KHCG+22, LBBM21, LRdGFP23, LMM+21, LNR+20, LD22, LSC+21, LTH21, LXC+21b, LPO+20, LLTT+24, MGL22, MEQBV20, PBC21, PSNG+21, PWS+20, PGN+21, RvHF+20, RLP+20, RCMA21, SB20, SB22, SEK20, SSWM20, SCB+20, SGSD+22, TSX+23, WCC20, YGD+21, ZCZ+23, ZZT+21, ZYZ+21, ZZB+20, dMKB+20]. **matters** [FGP22, TPTS23]. **maturation** [RVBP23]. **Maud** [DLDF21]. **maxima** [SWOR20]. **maximum** [SMNT22, SPLJA+20]. **may** [HVMS+21, MHD+22, OJUN23, SSEO21]. **Meadow** [THVJ23, CB21b, SVMM+22, VLP+21]. **meadows** [AHCF22, CCFF21, JREVB21, SN22, dSNIB22]. **means** [MGG+24]. **measurable** [CSD+24]. **measured** [DAD+21, WO21]. **Measurement** [EAF+22, MHMML+22]. **measurements** [BVM+20, CZS+22, DLDF21, KSR20, Lem20, SSM+22a, SEG21]. **mechanical** [XSZ+21]. **mechanics** [CCG+22, CUS21, SMF20]. **mechanism** [GLN+20, YXC+22]. **Mechanisms** [BWB+22, PLLM21, STAK22, BPL22, WDS+23]. **Mechanistic** [ALG+23]. **mechanoreceptional** [SYMF21]. **mediate** [LWS+22]. **mediated** [GLM+23, SRN+21, VJS+20, WKRL+23]. **mediates** [PCJ+21]. **mediating** [HLPT20]. **mediation** [CBN21, WMTJW22, ZTT23]. **Mediterranean** [GCEM+23, GLM+23, MGP+21, MBC+21, RHS+22, SORGC+21]. **meet** [HMBB21]. **Meiler** [ZR23]. **meiobenthic** [LBG+22, RLP+20]. **meiofauna** [MHG+23, PCN22]. **melt** [KPG+23, VMP+21]. **meltwater** [MCS+23]. **Members** [Ano20-38, Ano20-39, Ano20-40, Ano20-41, Ano20-42, Ano20-43, Ano20-44, Ano20-45, Ano20-46, Ano20-47, Ano20-48, Ano20-49, Ano21-29, Ano21-30, Ano21-31, Ano21-32, Ano21-33, Ano21-34, Ano21-35, Ano21-36, Ano21-37, Ano21-38, Ano21-39, Ano21-55, Ano21-40, Ano22-31, Ano22-43, Ano22-32, Ano22-33, Ano22-34, Ano22-35, Ano22-36, Ano22-37, Ano22-38, Ano22-39, Ano22-40, Ano22-41, Ano22-42, Ano22c, Ano23y, Ano23z, Ano23-27, Ano23-28, Ano23-29, Ano23-30, Ano23-31, Ano23-32, Ano23-33, Ano23-34, Ano23-35, Ano23-36, Ano24i, Ano24j, Ano24k, Ano24l]. **Mercenaria** [MURK20]. **Mercury** [CESS21, RCMA21, BAG+24, BCA+20, SGGB21, TUR+20]. **mercury-cycling** [BCA+20]. **mercy** [RHM+21]. **Meretrix** [SYT+21]. **meromictic** [CYPRG+23, TZF+22]. **mesocosm** [SSM+22a]. **mesocosms** [HS21, RLL+21, TVB+21]. **mesopelagic** [BBM21, CLT+22, LPO+20, OLR+23, SWC+23, WSZ22a, WSZ22b].

mesophotic [FPBG+22, LMS23, MSL21, RFB+22, SWS+22]. **mesopredator** [RS20]. **mesoscale** [ACE+22]. **mesotrophic** [TMM+20]. **Mesozooplankton** [CDA+20, GNO22, SSM21b]. **meta** [BR22, CSM+23, PHM21]. **meta-barcoding** [CSM+23]. **meta-ecosystem** [PHM21]. **meta-ecosystems** [BR22]. **Metabolic** [Ano21a, DMC+22, GSG+17, BMR+21a, CYPRG+23, MSG+22, MGGRR+21]. **Metabolism** [RRHS+21, BBMD20, BYS+23, BCL+22, BHA+22, CB21b, CZK+23, EDC24, EJRRC+23, HHK+22, KVKS22, LAD+22, LRdGFP23, MA21, MGWS23, MRT+24, PHB+22, Phi20, Phi21, RVS+22, SBB20, TCP+22, WCC20]. **Metabolite** [JLS+20, JSL+23]. **metabolites** [LSS+24]. **metabolome** [BMGK22]. **metacommunity** [GGHBS+20, GGLH+22]. **Metagenomics** [BVM+20, Kir20, BWV+20, GMMW20, MVBG20]. **metal** [DBB+21]. **metalimnion** [Ano21a, GSG+17]. **metals** [BBA+23, HKM+20, KDZ+24, WOMWR20]. **Metamorphosis** [BFCC+21]. **metapopulation** [GRJ20]. **metatranscriptomes** [LABM20]. **Meteorological** [AH20]. **meter** [BKMY21]. **Methane** [LVDM22, LDS+20, YWZZ20, AHCF22, AWB+23, AGC+21, BVL+23, BBH+20, DHNH22, GMI+21, GPK+21, GKW+20, GKW+21, HGMK22, HNS21, KWS+21, LHD+20, LPA+23, MWHR+22, PSK21, RHA+23, RWT+21, RSH+20, SPBK21, SBW+20, SSM+22b, SZY+20, TKS+20, TMM+20, VJS+20, VJH+22, YOXC23, ZLL+24, vGDH+21]. **methane-derived** [TKS+20, vGDH+21]. **methanogen** [BBH+20]. **methanogenesis** [BVL+23, SSM+21a]. **Methanogens** [EJM+23]. **methanotroph** [vGDH+21]. **method** [LAB+22]. **methylating** [CBB+22]. **methylmercury** [BC20, TKW+23, YJB+20]. **Methylobacter** [vGDH+21]. **Methylotenera** [vGDH+21]. **methylotroph** [vGDH+21]. **metric** [KKA22]. **metropolitan** [RTM+21]. **Mexico** [KPS21, MLP+21a, PMRG20, WSZ22a, WSZ22b, YMSH20]. **Meyer** [Ano21b]. **Meyer-Kaiser** [Ano21b]. **Michigan** [CTP21, RPA+22]. **micro** [MMLPRHCG22]. **micro-computed** [MMLPRHCG22]. **microalga** [GAS+21, RGW+23]. **microalgae** [BLS20, WRHR22]. **microalgal** [SRM23]. **microbe** [TKH21]. **microbes** [BRB+20, BFE+20, LABM20, ST22, TSX+23]. **Microbial** [BRB+20, MAD+22, RvHF+20, RCS+20, BHSG+20, BSGA21, BGG+20, BWV+20, BMLV24, BZK+22, CYPRG+23, CLC+22, CGL+21, DBB+21, DCF+22, FAB+20, FPG+24, FLW+21, GM22, GMMW20, GPK+21, HBY+22, HMB+20, HLS+22, IMB+22, KHSP21, LD22, LZD+23, MVBG20, MCYR20, OBB+20, OYM+20, PWS+20, RLL+21, RBAC+20, SBB20, SB20, SGSD+22, TMS+21, VGSB23, VKGW22, VJH+22, XKP+22, XTJW21, ZR23, ZTT23, vEMF+20]. **microbialite** [IMB+22, MVBG20]. **microbialite-bearing** [IMB+22]. **Microbially** [ZCZ+23]. **microbiology** [JLMW21]. **Microbiome** [CYZZ+20, HMM+22, SSS+24]. **microbiomes** [HZZ+20, XTL+20]. **microcrystals** [LN21]. **microcystin** [CWF+22]. **Microcystis** [CLC+20, CLC+21, MDP+23]. **microenvironment**

[EWGP22]. **microenvironments** [EBW+20]. **microevolutionary** [ZZCD23]. **microfocus** [IKN+21]. **microheterogeneity** [KHSP21]. **microorganisms** [CBB+22, CKH+21, EPR+24, MGG+24]. **microphytobenthos** [DvOH+20, ORE20]. **microplankton** [KHHZ20]. **Microplastic** [BZSF23, DWR+23, EAF+22]. **microplastics** [GLM+23, KWB21]. **Microscopy** [CBN21, KAC+23]. **microsporidian** [CML23]. **Microzooplankton** [MMG+21, LCZ+21, LNC+23]. **Mid** [KCT23, RHM+21]. **mid-latitudes** [RHM+21]. **Mid-summer** [KCT23]. **midlatitude** [BAHH+20]. **midwater** [VSB+23]. **Midwest** [BJG+22]. **migrating** [PJRV23]. **migration** [BJS23a, BBM21, GNO22, TGE+21, WSZ22a, WSZ22b]. **millennial** [KSH+23, vHLV+20]. **millennial-aged** [KSH+23]. **mimics** [GLN+20]. **mine** [BWV+20]. **Mineral** [EBW+20, PYY+20, SdBW+23, VJS+20]. **mineral-bound** [SdBW+23]. **mineral-soil** [VJS+20]. **mineralization** [LMM+21, vEMF+20]. **Minerogenic** [MKM+23, KBB+22]. **minima** [SCT+21]. **minimum** [CCK+21, THL+21, WRA+23, LZG21]. **mining** [CLGH23, LMS+21, OBB+20]. **minute** [GK22]. **missing** [VGSB23]. **Mississippi** [GBHF21, LTH21, Roy20, TMSL22]. **mitigate** [SSEO21]. **mitigates** [MDWT+22]. **mixed** [SBW21, SSB+22]. **Mixing** [CM20b, EPR+24, YWLY20, AVS+22, GK22, HPP+21, IFU+20, LLC+23, LXC+21a, NH22, PFH21, PW22, ZSF+23]. **Mixing-driven** [EPR+24]. **mixoplankton** [GM22]. **Mixotrophic** [GDB20, AH20, ELS23, LES+21]. **Mixotrophy** [TCS21, BH21]. **mixtures** [FDHS20]. **Mn** [BYB+23, CLD+23, dCLO+23]. **Mn-oxidizing** [CLD+23]. **Mnemiopsis** [CCG+22]. **Model** [OLR+23, BST+22, CYPRG+23, DFJ22, DK20, GMNG+24, GMI+21, HPF+23, HDS+20, IFU+20, LZG21, LTLH22, PSNS22, WRA+23, WSZ22a, WSZ22b, ZLN21]. **Modeled** [LAB+22, MURK20]. **Modeling** [CLGH23, GLM+23, LVHK20, PC21, SBB20, YGD+21, APB+23, BSF+21, BR22, KBSA21, MAG+22, PHB+22, WRMP22]. **models** [KSF+23, LCMG+20, MBD+23, RPA+22, WMTJW22]. **moderate** [MHD+22]. **modern** [SLHL+22, vHLV+20]. **modification** [GÖA+23, NTJ+20, TCP+22]. **modified** [KFHS24, RCMA21]. **modify** [MK21]. **modular** [MMLPRHCG22]. **modulate** [SMF20, WWFS21, ZBNH+21]. **modulated** [GR24]. **modulates** [ABC+21, KKP+21, WOT+23]. **modulating** [JREVB21, TGE+21]. **modulation** [CHAA21]. **Molecular** [LD22, SB20, BGM+21, CLC+22, HDS+20, MGC+20, ZYZ+21]. **molecules** [LPO+20, ZLW+21a]. **molybdenum** [FSH+23]. **Monitoring** [ASL+24, BCWS23, FJP+21, THS21]. **monocultures** [FDHS20]. **monomictic** [GWS+21, SGS22, XTL+20]. **montane** [LHL+21]. **Monterey** [FHMK20, TRS+20]. **month** [GWS+21]. **monthly** [IOS24]. **moon** [OLR+23]. **Morocco** [NEB+22]. **morphological** [GWS+21]. **morphologically** [BRCO21]. **Morphology** [BRHS20, MDWT+22, OBL21, SRN+21, SGM+22]. **mortality**

[CCC+21, KSI24, SH22, Wei24]. **mosaic** [CEW+21, LTW+24]. **mostly** [MBH+23]. **motion** [JvKvT+20]. **Mountain** [VMT+24, CCA+21, CGGC+21, CESS21, ESW+21, JSPS24, MHVC22, PFB+22, WK21]. **Mountains** [VMT+24]. **mouths** [EST+24]. **Moving** [FDF+21]. **Mu** [CLGH23]. **mucus** [BH21]. **Mud** [MEQBV20]. **Mud-associated** [MEQBV20]. **muddy** [CGD22, MHG+23]. **Multi** [FR23, ZSZ+21, GCEM+23, vHLV+20]. **multi-millennial** [vHLV+20]. **Multi-omics** [ZSZ+21]. **multi-taxon** [GCEM+23]. **Multi-year** [FR23]. **multiarm** [ILPL20]. **multibasin** [ILPL20]. **multibeam** [PSY+22]. **Multiclonal** [LBvE23]. **Multidecadal** [KLO23, BJG+22]. **multifactorial** [WBB+21]. **Multigenerational** [dJGCS23]. **multilake** [DMM+21]. **Multiple** [KBvdD+20, CBPNA22, CESS21, GBW24, HHMH22, HMBB21, KDV+23, LHL+21, MVP+20, WPO+22, ZJ22b]. **Multiscale** [SCM22]. **multistressor** [DK20]. **multitasking** [GM22]. **multitrophic** [BPG+22]. **multivariate** [ZJ22a]. **multiyear** [SGS22]. **mussel** [NTJ+20]. **mussels** [LGQ+21]. **mutualistic** [FPBG+22]. **mysid** [BWSW24]. **Mytilus** [NTJ+20].

N [ZLW+21a, AAC+21, AFH+22, BSGA21, DRA+23, HBS+22, HZC+24, HMB+22, LLL+23, LTLH22, MLL+21, SCC+21, SWS+22, TZF+22, hTRH20, WWGP21]. **N-containing** [ZLW+21a]. **nano** [KKP+21]. **nano-diatom** [KKP+21]. **nanoflagellate** [LES+21]. **nanoflagellates** [STAK22]. **nanoparticle** [YPF+23]. **nanoplankton** [KPS21]. **nanoscale** [XSZ+21]. **narcomedusa** [VSB+23]. **narrow** [SLJ+22]. **national** [PATL+23]. **national-scale** [PATL+23]. **native** [BDMGH+23, HSP+20, LCS+20, MWV22, WTvD+22]. **Natural** [FBK+22, AFM23, CTM+21, DVL+23, HBR+22, LMSN23, NDP+24, RBL+20, SdBW+23, vHLV+20]. **naturally** [MNMJ+21, SSB+22]. **Nature** [LSW+20a]. **Near** [PMD+23, RBAC+20, KPS21, NCC+21, SBV+21]. **Near-bed** [PMD+23]. **nearly** [YG23]. **nearshore** [MOW+22, MK21, SO23, SOT+20]. **negates** [WM20]. **negative** [MDWT+22, SSEO21]. **neglected** [ZZL+21]. **negligible** [AHCF22]. **neighboring** [ZvBZ+20]. **Neogoniolithon** [GTKW+20]. **neogracile** [KMM+22]. **Neotropical** [BWB+22]. **neritic** [CPBJR+21]. **nerka** [ASH+20]. **Net** [CB21b, MSG+22, BBCA+21, CBC+22, LSDA21, ZLL+21]. **network** [AFH+22, GRJ20, LWS+22, MHSL22, PSE+20, RVS+22, SLRS+24, WMTJW22]. **network-scale** [SLRS+24]. **networks** [BGAD+22, DPB+23, LGF22, SJH20, ZZT+21]. **neural** [SJH20]. **neutrally** [FGO+20]. **Nevada** [CM20a]. **Ni** [LTLH22, hTRH20]. **Niche** [TKA21, BO20, CYPRG+23, CHA+24, CUS21, CGB+21, EJM+23, HCH+24, KKP+21, LTJ+20, MCYR20, SSS+24]. **niches** [Gil22, RFB+22, SHZ+21]. **nifH** [MBD+22]. **night** [KGG+23, MLG+20, vdPAV+20]. **Niño** [WRS+22]. **Nitrate** [AWGV20, LXC+21a, vGDH+21, BVM+20, CEW+21, CDW+24, LTH21, RWS+22, SZA+21, WRS+22, WAPC20, XLN21]. **Nitrification** [LMC+21, HRK+22, HGF+21, PCC+23, SWB+20]. **nitrifiers** [BMCS23].

nitrite [ETMD23]. **Nitrogen** [AHCJ+20, JHSG+24, LLTT+24, SWS+22, WLK+21, ABS+21, ARBvS+21, AMO20, AVS+22, BRB+20, BDL+21, BKMY21, BRM+23, CBF+23, CDW+24, DWW+21, DWS+22, FBP20, FPB+23, GBO+20, HRK+22, HHMH22, HANW21, HSBC20, HSD+20, HMB+22, KTA+21, KRC23, KHHZ20, LDGB+23, LTH21, MRC+24, MNM+21, MLL+21, MCYR20, ORE20, RGP+22, RS21, Roy20, STB22, SMW+21, SWZ+23, SHE+21, SML21b, SLZ+21a, SSR+23, THVJ23, VWR+23, WWFS21, WRS+22, WDS+23, WKRL+23, YG23, YAE+24, ZQB+21, ZBNH+21, ZFQ+20, ZXZ+23]. **nitrogen-enrichment** [HHMH22]. **nitrogen-fixing** [FBP20, YG23, ZFQ+20]. **nitrogenase** [LTLH22]. **Nitrous** [TTC+22, AHCF22, FSS+23, HBR+22, LMC+21, LPMBR23, RTM+20, RTM+21, WLK+21, ZZO+21]. **No** [CSH21, CBS+21, PPB+21]. **nocturnal** [MDIY23]. **nodosa** [JREVB21]. **Non** [FBP20, HMB+22, ZXZ+23]. **non-algal** [ZXZ+23]. **Non-cyanobacterial** [FBP20]. **non-N-fixing** [HMB+22]. **Nonlinear** [BJG+22, RFW+24, SPHH22, HHK+22, LHH24, PRS+20]. **nonphotochemical** [CGB+21]. **Nonrandom** [GMS21]. **nonvisual** [BBM21]. **North** [BYB+23, EBK+20, ETMD23, FSS+23, THT+20, LAD+22, MLC+21, SML21b, AHCJ+20, ADLW22, BMR+21a, BAD+21, BAHH+20, CKH+21, CJB+21, DNB+20, DWS+22, DNA+22, ETG21, FDF+21, FIH+20, GFW+20, HBG+22, HYPG+22, KBvdD+20, LTJ+20, LNC+23, MWV22, MMG+21, NvBE+21, PDK+23, RPKC22, SBW+20, SSM+22a, SAD+20, TKA21, WF22, WRS+22, YWZZ20, YWZ+21, YAE+23, YAE+24, ZBNH+21]. **North-Atlantic** [BMR+21a]. **north-temperate** [MLC+21]. **Northeast** [PYY+20, KMV+20, SWC+23, ZZB+20, MMF+21, SPKM22, SSM21b]. **Northern** [MURK20, BTK+21, CLG+24, CDA+20, CZK+23, FSM+21, JSB+20, KHB22, KPL+20, KBL+20, MHP+23, NEB+22, RSH+20, RSP+24, VMT+24, CMT+20]. **northwest** [LSCL21]. **northwestern** [BDL+21, KPS21, LSS+24, MZXY22, MY23, MLP+21a, YMSH20, SWS+22]. **novel** [APB+23, ASL+24, GLN+20, HGH+21]. **novo** [DNA+22]. **novo-discovery** [DNA+22]. **nuisance** [GAS+21, RS21]. **null** [LD22, SB22]. **numbers** [ZR23]. **numerical** [GMNG+24]. **nursery** [GPDA+20]. **Nutrient** [BYS+23, BS20, BAHH+20, BVGQN22, LSDA21, NSK+21, PKKS20, VMT+20, VWR+23, AWGV20, ALH+21, BGM+21, BRM+23, CAV+22, CFC+20, CLGH23, CM21, CMB+21, DCF+22, DKBG21, DKPS23, EFC+23, FMT+20, FBV23, GGS+21, HSBC20, HCS+21, JOC+20, JLW+23, JHvL+23, KRB+21, KHK+22, LLC+23, LBG+22, LZM+21, LSCL21, MAP+22, MSJ21, MRT+24, OBL21, PBC21, PHM21, RLL+21, RBL+20, RBSB22, SDL22, TBH+22, VST+22, WHAR+20, XMP+21, YvdHC+20]. **Nutrients** [MGGRR+21, AFK+22, FAB+20, KFHS24, LNC+23]. **Nutritional** [JLR+22, VKK+21]. **NW** [GBB+21].

O [AFH+22, DRA+23, EBW+20, MGG+24, TZF+22, WMRL22]. **obliquus**

[ZSZ+21]. **Observation** [CLA+24]. **Observations** [KTH+21, ZYZ+21, APB+23, CSM+23, FIH+20, MBD+23, WDG+21]. **observatory** [MKBSK19]. **Observed** [KdED+20, HDD+22, NH23, SLZ+21b]. **occupancy** [CGB+21]. **occupation** [CYPRG+23]. **Occurrence** [XYZ+21, MZW+21, MHSL22, ZZT+21]. **occurring** [MWHR+22, VGvdB+21]. **occurs** [MBH+23]. **Ocean** [ARPFGS23, RLP+20, SSEO21, YAP+22, ARB+22, BFW+22, CSD+24, CSM+23, DKPS23, GM22, GLAHH+23, HDS+20, JHS+21, KLO23, KTH+21, LD22, LXC+21a, LBL+24, MO23, MLP21b, MBD+23, MCS+23, MFGF+22, NSK+21, OSR20, ORRMD+21, PKV20, RBD22, SBD+21, SSH+22, SB20, SHZ+21, TNK+22, TKH21, WWB+20, YXC+22, ZLU+20, dCLO+23, ADLW22, BSGA21, BDL+21, BRCO21, BDE+22, BLRM24, BBA+23, CGL+21, CKH+21, CLD+23, CBC+22, DFW+20, EBK+20, ETMD23, HCB+22, IKN+21, IJSC20, JSL+23, LGI+20, LWvdM+21, LL23, MT23, MSB+22, MPW+23, MLT+21, MGC+20, PDK+23, PGN+21, RKBT+23, SBM+21, SORGC+21, SWC+23, SHE+21, SJJ+21, SBW+20, SSM21b, SAD+20, TMS+21, WRS+22, XKP+22, XYZ+21, YSHS23, YAE+24, ZZO+21, ZXE+23]. **ocean-** [DKPS23]. **Oceanic** [CCG+22, FIM+22, OMM21, CCK+21, CDH+21, CBD+23, DLL20, EHC+22, KTH+21, KP20, MCH+21, WKRL+23, ZZHZ23]. **oceanica** [AAC+21, CB21b]. **Oceanogr** [Ano21b]. **Oceanographic** [MT23, CZS+22, FJP+21, GSD+23, SSA+23, TKA21]. **Oceanography** [Ano21a, Kir20]. **oceans** [SSB+22, WSLC22, ZCZ+23, BCA+20, GRJ+22]. **octocorals** [PMF+21]. **off** [BK20, SVBT20, YGD+21]. **offs** [BH21]. **offsets** [BS20, JOC+20]. **offshore** [CTP21, KLO23, KPS21]. **Ohrid** [VMT+20]. **Oikopleura** [MLS+21]. **Okhotsk** [ZZO+21]. **old** [MHVC22]. **oligomesotrophic** [KHSP21]. **oligotrophic** [CHP+24, CM20a, DdEM+23, EPR+24, HSB+20, LLL+23, LXC+21a, MHD+22, MOW+22, RCS+20, SGGB21, SBL+21, SDB+23, SRL+20, SGM+21, WSLC22]. **oligotrophication** [MHSL22, SDS+23]. **omics** [ZSZ+21]. **Omnivorous** [CSNS24, KGG+23, NDP+24]. **omnivory** [BOC+21]. **Oncorhynchus** [ASH+20]. **one** [ZZCD23]. **onset** [ZZL+21]. **Ontogenic** [PWS+20]. **open** [HJWP24, PKV20, SPKM22]. **open-coast** [SPKM22]. **Opening** [SO23]. **operationally** [LHMR23]. **opportunities** [BR22, MBD+23]. **opportunity** [OJUN23]. **Optical** [ADLW22, BHG+24, EJRRC+23, LSW+20a]. **optically** [BGG+20]. **optimization** [TVB+21]. **Optimizing** [FGP22]. **Oregon** [EFG+24]. **Organic** [BAG+24, HLS+22, KHCG+22, PUH+23, PGN+21, VWR+23, AVJ+24, ABS+21, AKT+21, AMC21, BMR+21a, BCWS23, BMCS23, BSF+21, BPIBN20, BBH+20, BAD+21, BJK+21, BGG+20, BYS+23, BDL+21, BJG+22, BZK+22, BGM+21, CPB+21, CTP21, CGC+21, CLC+22, CM21, CCDM21, DVL+23, DdEM+23, DLC+22, EJRRC+23, FAB+20, FUUG+21, FXD+22, GDB20, GMI+21, GAS+23, HCB+22, HZM+21, HOB+22, HHK+22, HCS+21, HP20, JSB+20, KAP+20, KDZ+24, KBB+22, LBBM21, LRdGFP23,

LMM+21, LNR+20, LDGB+23, LDGB+24, LD22, LSC+21, LTH21, LZD+23, LXC+21b, LPO+20, LLTT+24, MGL22, MEQBV20, MRH+23, MRD+21, MNMJ+21, PBC21, PSNG+21, PWS+20, PC21, PNT+21, RvHF+20, RLP+20, RCMA21, RBR+23, SVMM+22, SSS+24, SB20, SB22, SZA+21, SOT+20, SEK20, SSWM20, SCB+20, SGS22, SGSD+22, TSX+23, VST+22, WCC20, WOK+21, WXK+22, YGD+21, ZCZ+23, ZJW+22, ZLW+21a].
organic [ZZT+21, ZYZ+21, ZZB+20, dMKB+20]. **organisms** [FGO+20].
organization [KPNJ23]. **origin** [MRD+21]. **original** [LHH24]. **origins** [LNR+20]. **Orkney** [MSGW+20]. **orthophosphate** [RHS+22]. **oscillating** [JYA21]. **Oscillation** [LDB+21]. **oscillations** [SGS22]. **oscillatory** [MDBI20]. **other** [GFW+20, LES+21, WWFS21]. **Otolith** [DAB+21]. **our** [MVBG20]. **outcompete** [RHS+22]. **Outwelling** [KDZ+24].
Overestimation [GE22]. **overgrowth** [RMH+22]. **overlying** [XLN21].
overrides [RRHS+21, YG23]. **overview** [SPHH22]. **oxic** [CYZZ+20, GKW+20, GKW+21, HGMK22, TMM+20, XLN21, YWZZ20].
oxidation [ACA+22, FSS+23, GPK+21, LVDM22, LPO+20, LPA+23, MSB+22, MWHR+22, RRHS+21, RSH+20, SHE+21, SSM+22b, SZY+20, THL+21].
oxidative [MRT+24]. **oxide** [AHCF22, FSS+23, HBR+22, LMC+21, LPMBR23, RTM+20, RTM+21, TTC+22, WLK+21, ZZO+21]. **oxidizing** [CLD+23]. **Oxygen** [BKMY21, CBB+22, HJWP24, SMCS23, AHCJ+20, BYB+23, CCK+21, CGGC+21, CKCB+23, CBD+23, DPB+23, DNA+22, EBK+20, FIH+20, GB23, KDV+23, Lem20, LHGJ21, LSW+20b, MHG+23, MP23, MDIY23, PCJ+21, QRWT+22, RWMP+23, SJH20, SMW+21, SSM+22a, SSWM20, SEG21, SCB+20, SCT+21, THL+21, WLK+21, WRA+23, YWLY20].
oxygen-consuming [SCB+20]. **Oxygen-controlled** [BKMY21].
Oxygen-deficient [CBB+22, AHCJ+20, BYB+23, CKCB+23, DNA+22].
oxygenated [LDS+20]. **Oxygenation** [BPL22, HBR+22]. **oxygenized** [HPNU20]. **oyster** [CCC+21, HLS+22, WSB+20]. **oysters** [HSP+20, MDWT+22].

P [LPMBR23, MLL+21]. **Pacific** [ADLW22, CKH+21, ETMD23, HYPG+22, PDK+23, RPKC22, SSM21b, SAD+20, WRS+22, ZBNH+21, AHCJ+20, BSGA21, BYB+23, BCA+20, CJB+21, CBC+22, DWS+22, DNA+22, DFW+20, EBK+20, FDF+21, FSS+23, FIH+20, GFW+20, HDK+21, HOB+22, KMV+20, LLK+22, LWC+24, LSCL21, LNC+23, MZXY22, MY23, MMG+21, SMW+21, SWC+23, SOT+20, TKA21, WOK+21, XYZ+21, YAH+21, YWZZ20]. **Page** [Ano20a, Ano20b, Ano20c, Ano20d, Ano20e, Ano20f, Ano20g, Ano20h, Ano20i, Ano20j, Ano20k, Ano20l, Ano20m, Ano21e, Ano21f, Ano21g, Ano21h, Ano21i, Ano21j, Ano21k, Ano21l, Ano21m, Ano21n, Ano21o, Ano21p, Ano22a].
Paired [BBGM20]. **paleoceanographic** [RWL+24]. **paleoclimate** [THT+20]. **paleolimnological** [BLS+22]. **Palmer** [NCC+21]. **Panulirus**

[BFCC+21]. **paradigm** [GM22]. **Paradox** [GVF+23, BVL+23]. **parameters** [HZC+24, KTWGT20]. **parametrization** [PC21]. **parasite** [DMCW23, LEB21, ONH+20]. **parasites** [CML23, DMCW23, FWT+20]. **parasitic** [KSN+21]. **parasitism** [BDMGH+23]. **Parent** [CSH21]. **Parental** [MDWT+22]. **particle** [AVS+22, BSGA21, CZS+22, CBN21, GEHD20, JSW+21, KSR20, KBvdD+20, LBL+24, RPA+22, WPY+20, WDS+23]. **particle-associated** [BSGA21, WPY+20]. **particles** [CKH+21, CBN21, DBB+21, DLL20, JLS+20, LG21, MGG+24, SWC+23, SAD+20, WF22]. **particular** [GMI+21]. **Particulate** [JSL+23, CLD+23, FUUG+21, HCB+22, HCS+21, RMW+21, SOSN23, SOT+20, ZCZ+23, ZBNH+21]. **Partitioning** [BHA+22, HLKD23, HCH+24, MGG+24, SSS+24, SCB+20, TKA21]. **passing** [KX22]. **past** [MFM+21, SSL22, SLHL+22]. **pathway** [KP20, SWZ+23]. **pathways** [BSIdG23, BMGK22, MMG+21, ZSZ+21, vEMF+20]. **pattern** [ZZO+21]. **Patterns** [BMB22, KRC23, WPY+20, BJS23a, BMR+21b, BMLV24, BFE+20, BRB+22, CGB+21, GCW+23, GBC+20, HEH+20, HCS+21, HABL+21, JREVB21, LABM20, LSS+24, MHdS+21, MZW+21, MGGRR+21, NGSS23, PATL+23, PLB+21, QMG21, Roy20, RBSB22, SVBT20, SPBK21, VMP+21, WWGP21, vLWV+20]. **pCO** [CGR22, CCB+20, EDC24, EWGP22, GPB+20, MDWT+22, NB20, QBJG21, RGW+23, TMS+21, VKB+22, WRHR22, WDG+21]. **Peak** [TMSL22]. **peaks** [SSH+22]. **Pearl** [YGD+21]. **peat** [BCWS23, KRM+20]. **peatland** [DdEM+23, FSM+21, KSH+23, TKW+23]. **peatland-rich** [TKW+23]. **peatlands** [FSM+21]. **Pelagic** [HBS+22, RSH+20, ST22, WRHR22, BZSF23, CJB+21, CHA+24, FWT+20, HCH+24, HGF+21, KPL+20, KLG+23, MBLA+21, MLT+21, NvBE+21, PVSP+22, VCT+23, VKK+21, VGSB23, VKGW22]. **pellet** [SSM21b]. **pellets** [DMS+21, MLS+21]. **penguin** [CFC+20, NCC+21]. **Peninsula** [BBL+21, CFC+20, CMT+20, JWAvD+22, MHP+23, NGSS23, SGSF20]. **peptidomic** [DNA+22]. **perennially** [LDS+20, SSM+21a]. **performance** [BDMGH+23, BFW+22, DWR+23, MSB+20]. **peri** [SDS+23]. **peri-alpine** [SDS+23]. **period** [ACA+22, XTL+20]. **Periodic** [NH23]. **periodically** [RWS+22]. **periodicities** [LDB+21]. **Periphyton** [FSM+21, VST+22, BHSL21, WK21]. **permafrost** [BMLV24, FBP20, LLC21, RRHS+21, TKW+23]. **permanently** [CKCB+23]. **permeable** [NKH+23]. **peroxide** [SGK+21]. **Persistence** [SBW21]. **perspective** [BLS+22, FIM+22]. **perturbations** [TMS+21]. **Peruvian** [THL+21]. **petrogenic** [BJK+21]. **pH** [CTM+21, EBW+20, GAS+21, HTLP23, JvKvT+20, JHS+21, JLR+22, KDV+23, MGP+21, MK21, MKD22, MNMJ+21, PCC+23, SCT+21, WDG+21, ZLU+20]. **Phaeodaria** [MNM+21]. **Phaeophyceae** [SBB+21]. **phagocytosis** [LOW+20]. **phagotrophy** [BH21]. **phase** [HLKD23, MLC+21]. **phases** [CB21a]. **phenology** [CCA+21, CHA+24, DNB+20, LAD+22, MLP21b, vLWV+20]. **phosphate** [MUGL20, SBW+20]. **phosphate-depleted** [SBW+20]. **Phospholipid** [PKV20]. **phospholipids** [GVF+23]. **Phosphonate**

[SBW+20]. **Phosphorus** [DGW+21, AWGV20, AJMG21, AVS+22, BPIBN20, BRM+23, DCK+22, FPB+23, GVF+23, HSBC20, HPB+21, KPM+20, KTA+21, MDP+23, QFM+21, Roy20, RBR+23, SGA+22, SdBW+23, SML21b, YJ20, YAE+24, ZFQ+20, ZXZ+23]. **photic** [LLL+23, QBJG21, WCC20]. **photo** [RRHS+21]. **photo-oxidation** [RRHS+21]. **Photoacclimation** [MSD23, PFH21]. **photoautotrophic** [CKCB+23, KFHS24]. **photochemical** [MGL22]. **Photodegradation** [BKC20]. **photogrammetry** [ASL+24]. **photomineralization** [AKT+21]. **photon** [MSD23]. **photophysiology** [ADLW22]. **photoprotection** [ARPFGS23]. **photoreactive** [KLP23]. **photostable** [KLP23]. **Photosynthesis** [GKW+20, GKW+21, GF21, RGW+23]. **Photosynthesis-driven** [GKW+20, GKW+21]. **Photosynthetic** [SGSF20, BRHS20, EHC+22, FIH+20]. **photosynthetically** [PC21]. **phototrophic** [LABM20]. **phycobiliproteins** [WWFS21]. **phycosphere** [JHSG+24]. **phyllosomata** [BFCC+21]. **Physical** [MBB+20, BGM+22, HMB+20, KTH+21, KBL+20, LZG21, QRWT+22, SORGC+21]. **physico** [BC20]. **physicochemical** [FWvA+21]. **physicochemistry** [BCTH20]. **Physiological** [BHG+24, CT23, HDS+20, Wei24, BTT23, HDK+21, KTWGT20, WRHR22, dJGCS23]. **physiology** [FPG+24, MGC+20]. **phytodetritus** [LMS23]. **Phytoplankton** [HBG+22, PBC21, YAE+23, AVJ+24, ARPFGS23, AFK+22, BMG+23, BHG+24, BTT23, BMA+20, BHSL21, BDE+22, BK20, BBL+21, BAHH+20, CAV+22, CFC+20, CSM+23, CBD+23, CLP+24, FBR+23, FBRG23, FDHS20, FWT+20, FBV23, FPB+23, GVF+23, GCW+23, GMS21, GK22, GZX+22, GAS+23, HLH+23, HANW21, HDK+21, HDD+22, HNS21, HZS21, HKM+20, HPP+21, HS21, IJSC20, IYW+22, JWAvD+22, KRB+21, KBL+20, LHS+20, LTW+24, LNC+23, LBL+24, LVZ21, LLBC20, LSDA21, MXL+21, MUGL20, MHD+22, MAG+22, MSJ21, NGSS23, PKKS20, PCC+23, QS21, QBJG21, RBR+24, SVC+22, SSH+22, SJJ+21, SGM+22, SSM+22a, SMD21, SGS22, SSB+22, TJW+22, TATC+24, VKB+22, VWR+23, WCZ+20, WCC20, WRA+23, YML+21, ZZHZ23, ZLW21b, vLWV+20, vdPAV+20, vdPMF+21]. **phytoplankton-dominated** [WCZ+20]. **phytoplankton-related** [TJW+22]. **Phytoplanktonic** [GRJ+22]. **Pico** [KPS21]. **Pico-** [KPS21]. **picocyanobacteria** [AHCJ+20, CBT+21]. **picoeukaryote** [RPKC22]. **picoeukaryotes** [EHC+22]. **picophytoplankton** [FM21, GSP+23]. **picoplankton** [BDL+21, DWW+21]. **pigment** [ARPFGS23, CSM+23]. **pigments** [CTF+21]. **Pine** [LCHB22]. **pinnacle** [GCMJ23]. **Placopecten** [CGR22]. **plain** [LTH21]. **Plains** [ETG21]. **Planktivorous** [LDB+20]. **Plankton** [FUUG+21, SBV+21, EG20, FGO+20, JSW+21, KKA22, OAM+22, PSNS22, SGL+23, SCM22, THS21, YWLY20]. **Planktonic** [IMB+22, ALH+21, CML23, EPR+24, FIM+22, Gil22, GSD+23, LLMM+23, LEB21, MMF+21, MDP+23, Wei24]. **Planktothrix** [SDS+23]. **planning** [YAP+22]. **Plant** [CZH+21, VJS+20, KHK+22, LCS+20, WHZ+21]. **Plant-mediated** [VJS+20]. **plants** [ZN20, ZLN21]. **plastic** [VGvdB+21].

Plasticity
[LES+21, BCFI+22, BOC+21, NDP+24, PMF+21, RFB+22, WWGP21].
plate [JYA21]. **Plateau** [DLC+22, DAB+21, XTJW21]. **Plum** [LVHK20].
plume [CGC+21, SLZ+21b]. **plumes** [dCLO+23]. **point** [CBN21]. **points**
[CBPNA22]. **polar**
[KMM+22, KGG+23, LMSN23, MLG+20, STB22, vdPAV+20]. **polarized**
[CZS+22]. **poleward** [CJB+21]. **pollen** [LCHB22]. **Pollicipes** [FJP+21].
polygonal [PLB+21]. **polymictic** [TKS+20]. **Pond**
[VJH+22, DGTW21, QMG21]. **ponds**
[FBP20, FW21, GCEM+23, LMM+21, PWS+20, PLB+21, RHA+23]. **pool**
[CLC+22, KPNJ23]. **pools** [BHSG+20, LLTT+24]. **poppei** [MSGW+20].
populated [HPB+21]. **Population** [CÖL+20, CHA+24, DAB+21, FRRG+21,
HPF+23, KOR+20, LNC+23, MVP+20, MSGW+20, WRMP22, ZLG+23].
populations [ASH+20, DMCW23, MUGL20, RBL+20, ZJ22a]. **Pore**
[TEK+21, CSC+21]. **pore-water** [CSC+21]. **porewater** [KDZ+24, RST+21].
porewaters [DKPS23]. **Posidonia** [AAC+21, CB21b]. **position**
[GLN+21, TRS+20, VGSB23]. **possess** [CCG+22]. **Potential**
[DCJB22, DWW+21, HDK+21, HGMK22, XLN21, BSB+20, CYPRG+23,
DAB+21, MMLPRHCG22, PWS+20, RvHF+20, SSEO21, TGE+21, VVMJ23,
WM20, XWL+21, ZPK+22, ZLL+24]. **potentials** [RLL+21]. **Powell**
[DSY20]. **powered** [MXL+21]. **Prairie** [RVS+22]. **precariousness**
[SHBA22]. **precipitation**
[AFH+22, DSY20, HM20, KAP+20, LN21, SSCE20]. **predation**
[BBM21, LAFV23, LWS+22, LDB+20, OFM+21, OLR+23, PSNS22, ZLG+23].
Predator [BMGK22, DCJB22, DFW+20, LEB21, LMSN23, MVP+20,
MWV22, MPW+23]. **predators** [HCH+24, RS20]. **predatory** [DWR+23].
predict [FMT+20, GMI+21]. **predictability** [KKA22]. **Predicting**
[BCTH20, BMR+21b, LM24, RPA+22, AVJ+24, TRS+20]. **prediction**
[MSJ21]. **predictors** [MTP+23]. **Preferential** [CM21]. **Presence**
[LBJS22, FPG+24, LM24, MK20]. **present** [EWGP22]. **present-day**
[EWGP22]. **Preservation** [ZJW+22]. **pressure**
[BBM21, DvOH+20, MSD23, SEG21, WBB+21]. **Prevalence**
[KGG+23, DMCW23, RBL+20]. **previous** [CTM+21]. **previously**
[KKP+21]. **prey**
[DFW+20, HMBB21, LEB21, LMSN23, RTK23, SYMF21, WO21]. **primacy**
[HS21]. **primary** [FNB+23, FSH+23, HEH+20, KTA+21, KBSA21, KPG+23,
KVKS22, LD22, LSDA21, OLFH21, RHP+23, SB20, SSM+22a]. **Prince**
[SBV+21]. **priority** [GGLH+22]. **pristine**
[BPG+22, DBM+23, EJM+23, YvdHC+20]. **process** [ZZL+21]. **processes**
[Ano21a, BD22, CM20b, GSG+17, HP20, MZXY22, NH22, PATL+23,
QRWT+22, SSP+20, TJW+22, WPY+20]. **processing**
[AVS+22, BND+23, DBB+21, HHK+22, LMM+21, ORE20].
Prochlorococcus [LGI+20, LES+21, LSCL21, RRAO+21, SHZ+21, TKA21].
produce [WPO+22]. **producers** [HEH+20, KVKS22]. **producing**

[THT+20]. **Production** [CKH+21, LMS23, BMA+20, BBH+20, BGG+20, BD22, BH21, BV21, BBCA+21, CWF+22, CCFF21, CDA+20, DBFC24, FSM+21, FNB+23, FSS+23, FSH+23, FIH+20, GE22, GMI+21, GKW+20, GKW+21, HGMK22, HNS21, HBR+22, KTA+21, KBSA21, KSI24, KPG+23, KBvdD+20, KTWGT20, LLL+23, LEK+22, LMP+20, LDS+20, LTLH22, LDB+21, LSDA21, MCH+22, MLT+21, OLFH21, PDK+23, RHP+23, SPKM22, SJJ+21, SPLJA+20, SSM+22a, SSM21b, SMD21, TTC+22, TZF+22, WOT+23, YWZZ20]. **productive** [FBRG23, SGGB21]. **productivity** [ASH+20, CLG+24, CGL+21, GLAHH+23, MCH+21, MGGRR+21, SBV+21, WLSD21]. **products** [LSW+20a]. **profiles** [DWS+22, SJH20]. **profiling** [FIH+20]. **proglacial** [MKP+23]. **progressive** [SVBT20]. **projections** [CCA+21]. **prokaryotes** [BMG+23, CKCB+23, DWW+21, GLAHH+23, LBBM21]. **prokaryotic** [BAD+21, CDA+20, DVL+23, GE22, SML+21a, SORGC+21, SSS+24]. **Prolific** [ETMD23]. **prolonged** [LLC21, ZZHZ23]. **prominent** [YG23]. **promote** [CBB+22, DFJ22, EFC+23, KRB+21]. **promoted** [ZJW+22]. **promotes** [LTJ+20, vGDH+21]. **promoting** [GGS+21]. **prone** [FLH+23]. **pronounced** [MKD22]. **properties** [BMG+23, BHG+24, CBD+23, LD22, MRD+21, PSK21, SJR21, SB20, XSZ+21]. **Prorocentrum** [LZG21]. **protect** [RD23]. **Protein** [DNA+22, MK20, PYY+20]. **protein-coupled** [MK20]. **protist** [MNM+21, PYM+20]. **protistan** [SDSGR21]. **protists** [BO20, SWC+23]. **provide** [BVM+20, SSA+23]. **provinces** [BGAD+22, SSH+22]. **proxies** [FSH+23, RWL+24]. **proximity** [MKP+23]. **proxy** [LPO+20]. **pseudofecal** [WSB+20]. **pseudogonyaulax** [BH21]. **pseudoharengus** [DFJ22]. **Psychrophilic** [SJR21]. **pueruli** [BFCC+21]. **pulex** [YWZ+21]. **pulsatile** [WSB+20]. **pulse** [KHHZ20]. **Pulsed** [WBB+21]. **Pulses** [NKH+23, BRCO21]. **pump** [CSC+21, DMS+21, DLL20, FWDY20, GBB+21, LG21, PFH21, PVSP+22, PJRV23]. **pumps** [GM22]. **purely** [LD22, SB22]. **putative** [CLD+23]. **pyrifera** [SBB+21].

quahog [MURK20]. **qualitative** [WMTJW22]. **quality** [ABS+21, DLC+22, DKPS23, FRRG+21, HSB+20, HZS21, LZM+21, MFM+21, MHL+20, PHB+22, PWS+20, RvHF+20, SSS+24, SSK24, TSX+23, TPTS23, TCS21, VKK+21]. **Quantification** [CWF+22, ZR23]. **Quantifying** [CCFF21, LVZ21]. **Quantitative** [LN21]. **quantity** [ABS+21, BBH+20, DLC+22]. **quantum** [RKBT+23]. **Quasi** [LDB+21]. **Quasi-decadal** [LDB+21]. **Queen** [DLDF21]. **quenching** [CGB+21].

r} [CLGH23]. **Ra** [LvBS+22]. **radiata** [BRHS20, BS20]. **radiation** [PC21, YG23, ZFQ+20, vdPMF+21]. **radiatively** [AHF+22]. **radiocarbon** [HGA24, IFU+20]. **radiocesium** [TNK+22]. **Radiolaria** [MNM+21]. **radiolarians** [IKN+21]. **radium** [RST+21]. **radon** [ACW+22, RST+21]. **rain** [DBFC24]. **rainforest** [FBJ+23, SOT+20]. **range** [CJB+21, CEE+22, PYM+20]. **ranges** [LCS+20]. **Rapid**

[CBC+22, PFH21, SLZ+21b, THL+21, BVGQN22, YWZ+21, ZLW+21a]. **Rapidly** [ZZCD23, DKBG21, LGQ+21]. **rate** [CGR22, HZM+21, LSL+20, LCZ+21, QBJG21]. **rates** [BAG+24, BWSW24, BVM+20, CWF+22, DGTW21, Edm21b, GR24, HMP+21, LLMM+23, LDGB+24, MSG+22, OLFH21, PKV20, RLP+20, RRAO+21, SBL+21, SSWM20, SMD21, TION23, TBH+22, ZQB+21, ZWM22]. **ratio** [FBK+22]. **ratios** [BV21, DWS+22, HMBB21, KMV+20, MDP+23, MRT+24]. **ray** [IKN+21]. **re** [SDS+23, WZCK20]. **re-examination** [WZCK20]. **re-oligotrophication** [SDS+23]. **reaches** [PGB24]. **reactivity** [GMI+21, MGL22]. **reactor** [CBF+23]. **reallocating** [MRC+24]. **really** [FPBG+22]. **realm** [FUUG+21, WKRL+23]. **receptor** [MK20]. **receptor-based** [MK20]. **Reciprocal** [FW21]. **recirculating** [BKMY21]. **Reconciling** [MHG+23]. **reconfiguration** [ZN20]. **Reconstructing** [KBSA21]. **reconstructions** [THT+20]. **record** [WRS+22, WOMWR20]. **recovering** [RFB+22]. **Recovery** [RWS+22, vHLV+20, BPG+22, DFJ22, GRJ20, GPB+20, KDW+23, MAP+22, RVS+22, SHBA22, WRWPG19, WPO+22, ZvBZ+20, Ano21c]. **Recruitment** [MKBSK19, Edm21a, FJP+21, OSR20]. **recurrence** [FR23]. **Recurrent** [SH22]. **Recycling** [HYPG+22, SKA+24]. **red** [CJB+21, EFP+21]. **redox** [CKCB+23, EBK+20, EFG+24, SGSD+22, SGK+21]. **redox-stratified** [CKCB+23]. **redoxcline** [HPNU20]. **reduce** [XWL+21]. **Reduced** [KFHS24, FNB+23, JOC+20, KDZ+24, ZXZ+23, DMCW23]. **reduces** [ALH+21, BRM+23, DSY20, OFM+21, QBJG21, SSM+22a]. **reducing** [SJR21]. **reduction** [CEW+21, DFJ22, KP20, RWS+22, SSM+21a, THL+21, dJGCS23]. **reduction-dependent** [KP20]. **reductions** [FBV23, TBH+22]. **reef** [BCFI+22, BBCA+21, CDW+24, CBC+22, Edm21b, EDC24, FKN21, GCMJ23, GTKW+20, GLB+22, HPCH24, HLS+22, KDW+23, LMS23, LBG+22, MCH+22, MSG+22, MHMML+22, MDIY23, SWZ+23, SSCE20]. **reefs** [FPBG+22, GCMJ23, OLFH21, RMH+22, SPKM22, VVMJ23, dOKC+21]. **reestablishes** [AMO20]. **Reference** [TMKB+22]. **Refining** [FSH+23]. **reflect** [HHMH22, SSK24]. **reflectance** [LSW+20a]. **reflects** [CVF+20]. **refractory** [LLTT+24]. **refuges** [YAH+21]. **regardless** [CTM+21]. **Regeneration** [HKM+20]. **regime** [BTK+21, DMC+22, MWV22, RNW+23, SPHH22, TMKB+22]. **regimes** [BHA+22, CGGC+21, CGL+21, LGI+20, MCH+21, SSL22, VCBB20, WCZ+20]. **Region** [LDGB+24, CLP+24, FUUG+21, KLO23, MFM+21]. **Region-specific** [LDGB+24]. **Regional** [LRRP20, GRJ20, HDK+21, KSF+23, RTM+20, SMKS22]. **regional-scale** [SMKS22]. **regionally** [SJJ+21]. **regions** [ASH+20, NCC+21, SML+21a]. **regularity** [SGM+22]. **regulates** [BGM+21, JHSG+24, MUGL20, THVJ23, YPF+23]. **regulating** [SOSN23].

regulation [BAHH+20, DK20, GLN+21, HP20]. **regulatory** [TMKB+22]. **related** [BSGA21, CLA+24, LDB+21, PYY+20, TJW+22]. **relation** [DNB+20, WRC+21]. **relationship** [BCA+20, FPBG+22, KMV+20]. **Relationships** [QFM+21, BMA+20, BM22, GGHBS+20, KPL+20, LEB21, MNM+21, QS21, SDL22, SZA+21, TRS+20, YJ20, ZZWL22]. **Relative** [LLBC20, SSH+22, GCW+23, QMG21]. **relatively** [GVF+23]. **relaxation** [REF+21]. **release** [AJMG21, BMCS23, CLGH23, HP20, KPM+20, KRM+20, LHS+21, RS20, XWL+21]. **Relevance** [SPBK21, CPB+21]. **reliable** [PPB+21]. **relieves** [DCK+22]. **Remarkably** [EFP+21]. **remote** [LSW+20a, VVMJ23]. **Removal** [MLS+21, SGL+23]. **reoxidation** [ETMD23]. **reoxygenation** [RWS+22]. **repeated** [CBT+21]. **replacement** [KMV+20]. **replete** [CM21]. **Reply** [CSH21, MBD+23, SB22]. **represent** [HSD+20]. **Reproducing** [TVB+21]. **reproduction** [MMKWZ22, MGP+21]. **reproductive** [BRB+22]. **require** [WRA+23]. **requires** [KHCG+22]. **Research** [MKBSK19]. **reservoir** [AWGV20, BBH+20, CB21a, ILPL20, LHD+20, PBGGRB21]. **reservoirs** [BJG+22, CCY+21, CM20a, LPMBR23]. **residence** [EAF+22, LvBS+22, RCMA21, SDL22]. **resident** [LBJS22]. **Resilience** [CAV+22, BLS+22, BBMD20, DP22, GGS+21, MHD+22, RMH+22, RBD22, RPKC22, SPHH22, TKM+22, ZvBZ+20, dSNIB22]. **resilient** [WCH+21]. **resist** [MRC+24]. **resistance** [TKM+22, YvdHC+20, vHHP+21]. **resolution** [BCWS23, PHB+22, ZZO+21]. **resolve** [GSD+23]. **resolved** [GNO22]. **Resolving** [BPIBN20, SMW+21]. **resonance** [LHH24]. **Resource** [LHS+20, FBJ+23, FDHS20, GZX+22, MHL+20, VCT+23]. **resources** [MRC+24]. **respect** [LBvE23]. **Respiration** [BHA+22, SEG21, BWSW24, BV21, BVM+20, CGR22, FUUG+21, HCS+21, MHG+23, MSG+22, NKH+23, PBC21, RHP+23, SMCS23, SDB+23, SSM+22a, WMRL22]. **respired** [HGA24]. **respond** [BWSW24, CTP21]. **responding** [MSD23]. **Response** [AAC+21, CZK+23, FBR+23, LWC+24, MLG+20, PRS+20, SLZ+21a, TSX+23, YJB+20, ABC+21, BTT23, BJK+21, BRHS20, BK20, BPG+22, CT23, CMB+21, CBT+21, DCF+22, DKBG21, GRJ+22, GK22, HXL+21, HLS+22, ILPL20, JHS+21, JLR+22, KX22, LVHK20, LCM+22, LTH21, LTW+24, MAP+22, PC21, SGL+23, SDS+23, TNK+22, WWFS21, XYL+23, YAE+23, ZZWL22, ZSZ+21, dSNIB22]. **Responses** [MXL+21, MY23, CLG+24, CHAA21, DKW+21, FM21, GFG+22, HDS+20, JWAvD+22, KL22, LLSQ24, MLP+21a, MHD+22, MAG+22, NEB+22, Phi20, Phi21, PW22, RMH+22, RFW+24, TBH+22, TMS+21, VGvdB+21, WPO+22, ZZHZ23, ZJ22a, ZJ22b, ZLW21b]. **Resting** [ZLG+23]. **restoration** [AMO20, HLS+22, LAB+22]. **restructuring** [HFL+20]. **result** [CLC+22]. **Results** [MKBSK19]. **Resurrection** [ZJ22b]. **resuspension** [CGD22, MDBI20, MCS+23]. **retain** [LDG+21]. **retention** [GFG+22, GPDA+20, SDL22, VMT+20]. **Rethinking** [YJ20]. **retreat** [BJK+21, NB23, SJJ+21]. **retrieval** [SSB+22]. **retrieved** [RCS+20]. **Return** [FHMK20, MLG+20]. **reveal** [BRB+22, CLW+21, DHNH22, HS21, LABM20,

MVP+20, MSB+20, PMF+21, RPKC22, WWGP21, ZSZ+21]. **revealed** [BO20, DLL20, EST+24, GLN+20, KAC+23, LVDM22, LGI+20, Lem20, MT23, MCYR20, RWMP+23, SIP21, ST22, TION23, VLP+21, ZSD+20]. **reveals** [ASL+24, BRCO21, BKMY21, CGGC+21, FR23, HPF+23, HHK+22, MKD22, Roy20, TRS+20, VMP+21, ZJ22b]. **reversals** [LDG+21]. **reverse** [ZJ22a]. **review** [BR22, CLA+24, CBPNA22, MA21, SHPW22]. **Rhizaria** [BO20, IKN+21, LLMM+23, MNM+21, MLT+21]. **rhizosphere** [EJM+23, HZZ+20]. **ria** [NSK+21]. **rich** [LPO+20, LAMG+22, TKW+23]. **richness** [RBL+20]. **Riemann** [MBD+23]. **riparian** [FW21]. **Rise** [MWV22, FNB+23, LVHK20, LRM21, QMG21, YLT+20, ZvBZ+20]. **rising** [IOS24, NB23]. **risk** [LAFV23, Roy20, ZLG+23]. **River** [DSY20, LTH21, MGI+22, SLRS+24, YGD+21, ZPK+22, AWB+23, BMLV24, CBHB21, CCY+21, CGC+21, CHS+20, CVF+20, DMC+22, DBM+23, DKPS23, EST+24, FXD+22, IOS24, KHHZ20, LHMR23, MGL22, MHL+20, QS21, RHP+23, SML21b, SLZ+21b, TUR+20, WPY+20, ZYZ+21, CM21, GBHF21, LXC+21b, PCN22, Roy20, SMNT22, TMSL22]. **river-bay** [WPY+20]. **river-dominated** [DKPS23, QS21]. **river-influenced** [FXD+22]. **Riverine** [IYW+22, HLKD23, KRB+21, PBGGRB21, RMW+21, RD23, YGD+21]. **rivers** [AFH+21, BHA+22, GEHD20, MBH+23, MA21, NSK+21, PHB+22, RHP+23, SMG+22, ZQB+21]. **rK}y** [CLGH23]. **Rn** [ACW+22]. **robotic** [GLN+20]. **rock** [KPNJ23, ZPK+22]. **rockweeds** [DP22]. **rocky** [DP22, GTKW+20, VMT+24]. **Role** [AVS+22, GGS+21, GRJ20, LNC+23, MDBI20, MLT+21, YLT+20, AKT+21, DCJB22, EBW+20, EBK+20, EFG+24, HLPT20, HGMK22, HMB+22, KRB+21, KdED+20, KNG+23, LLMM+23, LZG21, MEQBV20, SPLJA+20, TGE+21, WLK+21, YGD+21, ZSZ+22, ZXZ+23, dOKC+21]. **roles** [CSB22, HDK+21]. **rolling** [ALG+23]. **Roseg** [PSE+20]. **Ross** [CLP+24]. **rotating** [SEG21]. **rotationally** [REF+21]. **rotifers** [Gil22]. **Rottnest** [MVBG20]. **roughness** [YPF+23]. **rRNA** [DLL20]. **RS19** [KMM+22]. **rubble** [KDW+23]. **rubescens** [SDS+23]. **Rubisco** [RBR+24]. **runoff** [FBJ+23, HSP+20, LLC+23].

S [DLL20, BSGA21, HZC+24, RvHF+20]. **Sahara** [NEB+22]. **Saharan** [BFE+20]. **saline** [IÁSNCR21, SSP+20]. **Salinity** [ZLJ+24, ETG21, GR24, IMB+22, LSC+21, OBL20]. **salinity-alkalinity** [IMB+22]. **salinizing** [ZZCD23]. **salmon** [ASH+20, FBJ+23, KHB22]. **salps** [SDSGR21]. **Salt** [YJB+20, BVM+20, DSY20, EJM+23, GBMKJ22, KBB+22, LVHK20, LGF22, MKM+23, OJUN23, SWK+23, TEK+21, WLK+21, XWL+21, YLT+20, ZZCD23]. **salt-wedge** [WLK+21]. **saltmarsh** [HGA24, LDGB+24, LCS+20, WPO+22, YXC+22, ZZL+21, ZvBZ+20]. **sampled** [IMB+22, PYM+20]. **samples** [GWS+21, KSR20]. **sampling** [BRCO21, RWT+21]. **San** [BM22, BMB22, GNO22]. **sandy** [KPM+20, WAPC20, vEMF+20]. **Sanriku** [NSK+21]. **Sargasso**

[LPO+20, LSS+24]. **satellite** [CLA+24]. **save** [DMCW23]. **scale** [ASL+24, BMA+20, BGAD+22, DAN+22, DMM+21, DFW+20, EWF22, GBC+20, GSD+23, GLB+22, KPNJ23, MACC24, MSGW+20, MHdS+21, MGI+22, OYM+20, PATL+23, SH22, SLRS+24, SMKS22, WO21]. **scales** [AH20, AHF+22, BRB+22, CESS21, FBR+23, LM24, MCH+21, PYM+20, RTM+20]. **Scaling** [CGC+21]. **Scallop** [TJW+22, CGR22, FSH+23]. **Scandinavia** [LDGB+23, LDGB+24]. **scattering** [KSR20]. **scavenging** [YPF+23]. **scenario** [AAC+21]. **scenarios** [HEH+20, JHS+21]. **sclerochronology** [MMLPRHCG22]. **Scotia** [DLL20]. **Sea** [TMS+21, AGC+21, BSGA21, BMR+21a, BMLV24, CLW+21, CHAA21, DNB+20, FNB+23, FXD+22, GVF+23, HMM+22, JHvL+23, LLL+23, LAFV23, LVHK20, LRM21, MZXY22, MY23, MBLA+21, MKBSK19, MLG+20, OSR20, OBB+20, PCN22, PGN+21, QMG21, SH22, SIP21, TMKB+22, VCT+23, WHAR+20, WOMWR20, WXK+22, WDG+21, YLT+20, ZSD+20, ZXE+23, ZvBZ+20, CGRGP+21, CGR22, CBB+22, CDA+20, CCDM21, CLP+24, DNB+20, DGW+21, DLL20, EFP+21, GLM+23, HDD+22, HPNU20, KPL+20, LCHB22, LTJ+20, LPO+20, LNC+23, LSS+24, NvBE+21, RHS+22, RvHF+20, RSH+20, RBR+23, SORGC+21, SGSD+22, TMKB+22, ZZO+21, vHLV+20]. **Sea-ice** [TMS+21, MLG+20, VCT+23]. **sea-level** [FNB+23, YLT+20]. **seabed** [CBF+23, SHPW22, TPTS23]. **seabird** [CDW+24]. **seabird-derived** [CDW+24]. **seafloor** [GPDA+20]. **Seagrass** [AMO20, AAC+21, AHCF22, BBMD20, HHMH22, JvKvT+20, JHBB22, KHK+22, LLTT+24, MRH+23, RLP+20, RS21, SVMM+22, SN22, VLP+21, YvdHC+20, ZWM22, dSNIB22]. **seagrass-dominated** [JvKvT+20]. **seagrasses** [LSW+20b, THVJ23]. **seals** [KTH+21]. **seas** [BND+23, LCZ+21, YWZZ20, MLL+21]. **seascape** [PVSP+22, SHPW22]. **Season** [WWB+20, GNO22, SZA+21, SSR+23]. **season-dependent** [GNO22]. **Seasonal** [AAB+22, ACA+22, CCB+20, CMCC24, CGL+21, CP22, DLDF21, GPK+21, HABL+21, LZG21, LSS+24, MMF+21, PLB+21, RWMP+23, RBSB22, SPR22, SSCE20, ZWM22, AWGV20, AJMG21, EFG+24, HBG+22, HSP+20, IÁSNCR21, JLW+23, KWS+21, LVZ21, MLK+22, MGGRR+21, NGSS23, RHM+21, SKB+22, SCT+21, SGS22, TKS+20, VCBB20, XYL+23, vdPMF+21]. **Seasonality** [CCFF21, CCDM21, LRNG24, MK21, RPKC22, MKD22]. **Seasonally** [BM22, CVF+20, LXC+21b, MLK+22, PJRV23, SSM+22b, THVJ23]. **Seasons** [HCNO+20, GCW+23, JHBB22, SML21b]. **seawater** [Edm21a, KSR20, MAD+22, NTJ+20, SOSN23, YPF+23, YWZZ20]. **seaweed** [WWB+20]. **seaweeds** [RHM+21]. **secondary** [BD22, CCFF21, DBFC24, FSM+21, LEK+22, ZZL+21]. **Secretion** [HVMS+21]. **sector** [YAH+21]. **Sediment** [CEE+22, HZZ+20, MP23, PGB24, SVMM+22, AJMG21, BBH+20, BBCA+21, CGD22, DLDF21, GWS+21, GMI+21, HBS+22, HMM+22, HLKD23, HHMH22, HLPT20, HNS21, HMB+20, JLMW21, LVHK20, LNR+20, LTH21, MDBI20, MIR+22, MCS+23, MWHR+22, MGG+24, OYM+20, PATL+23, PSK21, RWL+24,

SMCS23, YLT+20, ZTT23, ZSF+23, ZWM22, dSNIB22, vHHP+22]. **sediment-deficient** [LVHK20]. **Sedimentary** [SLHL+22, HLPT20, LLK+22, LL23, RBR+23, SGA+22, SGGB21, TKS+20]. **sedimentation** [HZM+21, LLC21, RNW+23, SVBT20]. **sediments** [AGC+21, BAG+24, BJK+21, BVM+20, CBB+22, CHP+24, CBF+23, DGTW21, DLC+22, FXD+22, HPB+21, HBR+22, KBB+22, LDGB+23, MHG+23, NKH+23, ORE20, OGD20, PYM+20, RvHF+20, RLP+20, RWS+22, RCS+20, SSM+21a, SJR21, SSEO21, SSCE20, SZY+20, THL+21, XLN21]. **seed** [ZZL+21, ZSZ+22]. **seedling** [vHHP+22]. **seedlings** [OJUN23, SRN+21]. **seepage** [BKMY21, LBG+22]. **seeps** [AGC+21, GPK+21]. **seiche** [NH22]. **seiches** [BMS+22]. **select** [LPO+20]. **selection** [MTB+21, RTK23]. **Selective** [FLW+21, HMBB21, KHSP21]. **semi** [BKC20, WCC20, XYL+23]. **semi-enclosed** [XYL+23]. **semi-labile** [BKC20, WCC20]. **semianalytically** [LSW+20a]. **senescence** [ZWM22]. **sense** [ZLG+23]. **sensing** [LSW+20a, SMF20]. **sensitive** [BJS+23b, FLH+23, HZM+21]. **sensitivities** [LSCL21]. **sensitivity** [CLW+21, CCFF21]. **sensor** [BCWS23, SSM+22a]. **sensor-based** [BCWS23]. **sensory** [RS20]. **separation** [LTJ+20, MCYR20, NH23]. **September** [TNK+22]. **sequencing** [BBGM20, DLL20, WZCK20]. **sequestration** [FXD+22, GBMKJ22, JHSG+24, LDGB+24, PYY+20, SHS+22, XWL+21, YXC+22]. **series** [BHA+22, CBN21, FHMK20, FR23, FIH+20, GWS+21, HRK+22, LABM20, MKD22, SGM+22, TRS+20, WDG+21]. **services** [OBB+20]. **setae** [SMF20, SYMF21]. **settings** [BDE+22, CEE+22]. **settlement** [MURK20, OSR20]. **settling** [ABS+21, EAF+22]. **setup** [REF+21]. **severity** [CTF+21]. **sexual** [MGP+21]. **Shallow** [BSIdG23, BMR+21b, BOC+21, CB21a, FBV23, HBS+22, HZZ+20, JOC+20, LMS23, LBG+22, LZM+21, LAMG+22, PSK21, RFB+22, RHA+23, RLL+21, RS21, SPBK21, SSCE20, SWS+22, TBH+22, TKM+22, WCZ+20]. **shallow-lake** [LZM+21]. **shallow-water** [LBG+22, SWS+22]. **shape** [CEE+22, FWvA+21, FBRG23, GGR24, KVKS22, SGM+22, TKM+22, ZLIP20]. **shapes** [RBAC+20]. **shaping** [EBK+20, LNC+23, ZSZ+22]. **share** [MRD+21]. **sharks** [PRS+20]. **Sharp** [BHSG+20]. **shelf** [CHP+24, CBF+23, CHAA21, EFG+24, FBRG23, GPDA+20, GPK+21, HJWP24, KTH+21, KPS21, LvBS+22, QRWT+22, SLJ+22, WRC+21, ZLU+20, MMF+21]. **shell** [GPB+20, MDWT+22]. **shells** [FSH+23, TJW+22, WOMWR20]. **sheltering** [ZN20]. **Shen** [LD22]. **Shield** [GB21, GB23]. **Shift** [MLP21b, AFH+22, BTK+21, BHSL21, GBO+20, RGP+22]. **shifted** [MPW+23]. **Shifting** [DAN+22, ZZHZ23]. **shifts** [AH20, CLA+24, CHA+24, DMC+22, GPK+21, HLH+23, MWV22, MKL+24, RNW+23, RVvB+23, RS21, SPHH22, TMKB+22, WCZ+20, BWV+20]. **shipboard** [BBA+23]. **shipwrecks** [HMM+22]. **shore** [FGO+20, GLN+20, GLN+21, GTKW+20]. **shores** [DP22]. **Shoreward** [KTH+21]. **Shoring** [BV21]. **Short** [RTK23, LRNG24, ORE20, TMS+21]. **short-term** [LRNG24, ORE20, TMS+21]. **shortages** [LMSN23]. **show**

[CLG+24, KFHS24]. **shows** [JLW+23, OLR+23]. **shredders** [FRRG+21]. **shrimp** [HBY+22]. **shunts** [GM22]. **Siberia** [HABL+21, SLHL+22]. **sick** [ONH+20]. **side** [MWHR+22]. **side-by-side** [MWHR+22]. **Siderophore** [PDK+23]. **Sierra** [CM20a]. **signaling** [BMGK22, MK20]. **signals** [ZLG+23]. **signature** [LHGJ21]. **signatures** [TZF+22]. **Significant** [RVvB+23, GSD+23, MTP+23, RNW+23, WF22, YML+21, ZXE+23]. **significantly** [RWL+24]. **Signy** [MSGW+20]. **silica** [IKN+21, MLT+21, RWL+24, Roy20, XSZ+21, ZBNH+21]. **silicon** [LLMM+23, LAMG+22, MBLA+21, WSLC22, ZSD+20]. **silled** [HJWP24]. **similar** [CTP21, CCG+22, HMB+20, LTJ+20, SVMM+22, VWR+23]. **Simple** [SDL22, ZLN21]. **simple-wave** [ZLN21]. **Simulated** [JHBB22, GRJ+22, JHSG+24, MLG+20, SBL+21]. **simulations** [BGAD+22]. **simultaneous** [THL+21]. **Single** [KSN+21]. **sink** [AFH+22, PUH+23, RTM+21]. **sinking** [ALG+23, CKH+21, CBN21, DKBG21, DLL20, JLS+20, LCMG+20, LG21, LBL+24, SAD+20, HCB+22]. **sinks** [GMNG+24, SGGB21]. **siphonophores** [HCH+24]. **site** [OFM+21, TCP+22]. **site-specific** [TCP+22]. **sites** [MSG+22]. **situ** [BO20, BBGM20, DHNH22, GPB+20, GSD+23, MHMML+22, MCYR20, SSM+22a, VMP+21, WLSD21]. **Size** [BJS23a, BMLV24, JSW+21, KSF+23, SDSGR21, AMC21, ALH+21, CLG+24, CHAA21, CHA+24, FGP22, GNO22, HBG+22, KSR20, LSL+20, LHS+20, LXC+21b, LDB+20, LHMR23, MGI+22, PMRG20, TATC+24, WOK+21, dJGCS23]. **size-** [GNO22]. **Size-dependent** [BMLV24]. **size-fractionated** [KSR20, LXC+21b]. **Size-independent** [JSW+21]. **Size-specific** [SDSGR21]. **skeleton** [CDW+24]. **Slope** [SMP21]. **sloping** [NH23]. **Slow** [KBB+22]. **Small** [SWC+23, AH20, BCWS23, CM20b, Edm21b, EWF22, GB21, GB23, IJSC20, KSF+23, LBL+24, MBA+21, MSGW+20, MLT+21, OYM+20, PCJ+21, PRS+20, PSK21, WF22]. **small-scale** [EWF22, MSGW+20, OYM+20]. **smaller** [MN20, RHP+23]. **snow** [DBFC24, KFHS24, SGL+23, SEG21]. **snowpack** [PFB+22]. **sockeye** [ASH+20]. **soft** [FPBG+22]. **soil** [PYY+20, VJS+20, ZJW+22]. **soils** [HGA24, LDGB+24, PNT+21]. **Solar** [vdPMF+21]. **soluble** [LMS+21]. **somatic** [MRC+24]. **sorption** [PNT+21]. **soundscapes** [CLW+21]. **Source** [SCB+20, AFH+21, AFH+22, BBH+20, BHA+22, BOC+21, DBFC24, DKPS23, HSD+20, IFU+20, LCHB22, PUH+23, RTM+21, STB22, VST+22]. **source-specific** [BHA+22]. **source/sink** [RTM+21]. **sources** [AHCF22, BND+23, BSF+21, BCL+22, CSD+24, GMNG+24, KRC23, KLG+23, LZD+23, MV22a, MV22b, MTB+21, MHL+20, MCS+23, PMJ+21, SSS+24, WLK+21]. **South** [MSGW+20, SMW+21, AHCJ+20, GRJ+22, JLS+20, WPY+20]. **Southeast** [LL23]. **Southern** [XYL+23, YAP+22, DAB+21, LDGB+23, LDGB+24, NvBE+21, BRCO21, BDE+22, BBA+23, CGL+21, GRJ+22, HCB+22, IJSC20, LMC+21, LWvdM+21, MT23, MSB+22, MPW+23, MLT+21, MGC+20, RKBT+23, YSHS23]. **Southwest** [ZZWL22]. **sp** [DFW+20, GTKW+20, vGDH+21]. **space**

[FWvA+21, FMT+20, LHD+20, MO23]. **space-for-time** [FMT+20, MO23]. **Spain** [TZF+22]. **spanwise** [JYA21]. **Spatial** [BBH+20, DvOH+20, KHSP21, LBBM21, MHdS+21, NB20, RHA+23, RWT+21, RKBT+23, SML+21a, SMNT22, WRWPG19, WZCK20, AHF+22, BR22, BRB+22, CGRGP+21, CBHB21, CCB+20, CMCC24, FBR+23, GCW+23, HMP+21, HZC+24, KBL+20, LM24, LAFV23, LGI+20, MLK+22, MKP+23, PYM+20, Roy20, SORGC+21, SCC+21, YAP+22, ZBNH+21, Ano21c]. **spatially** [MOW+22]. **Spatio** [LSC+21, AH20]. **Spatio-temporal** [LSC+21, AH20]. **Spatiotemporal** [Edm21a, GZX+22, MHP+23, CHS+20, FKN21, GCEM+23, IJSC20, MCH+21, OSR20, PSK21, SPBK21, SLRS+24]. **Spawning** [OFM+21, OLR+23, SRV+20]. **specialists** [MZW+21]. **speciation** [BCA+20, RBR+23]. **Species** [CSB22, BTT23, BRB+20, BRB+22, CCG+22, EWF22, FRRG+21, GMS21, GBB+21, HANW21, HDD+22, IKN+21, LBJS22, LTJ+20, MVP+20, MN20, NB23, SVMM+22, SRN+21, SYT+21, VGvdB+21, VJS+20, WWGP21, WNHY21, vHHP+21, vHHP+22]. **Species-specific** [CSB22, IKN+21, WWGP21]. **specific** [BHA+22, BBCA+21, CLG+24, CSB22, DMS+21, IKN+21, LDGB+24, OLFH21, SDSGR21, TCP+22, WWGP21, vdPAV+20]. **specificity** [KSN+21]. **spectra** [ALH+21, SSB+22]. **Spectral** [TPTS23, HZS21, LLBC20]. **sphaericus** [WNHY21]. **spiny** [BFCC+21]. **Spitsbergen** [vdPMF+21]. **Sponge** [LAMG+22, LMP+20, LMS23, MBLA+21]. **Sponges** [HSD+20, BMR+21a, HOB+22, MSL21, MRC+24, MCYR20, MDIY23]. **Spread** [TNK+22]. **spring** [ACA+22, AFK+22, BAHH+20, CGRGP+21, CM20b, FBRG23, KPG+23, MLC+21, PW22, REF+21, SIP21, VCT+23, YWLY20, vdPAV+20]. **Springtime** [JWAvD+22]. **sprinkling** [LCHB22]. **squid** [PMRG20]. **Stability** [MDDL22, BOC+21, LMS+21, SSP+20, VKGW22, WMTJW22, ZTT23, dCLO+23]. **Stable** [GAS+23, HFL+20, WRS+22, CDH+21, EST+24, HCH+24, HZC+24, IFU+20, KLG+23, LVDM22, MLP+21a, SWS+22, TMM+20, WAPC20]. **stage** [BFCC+21]. **stages** [OFM+21]. **stalked** [FJP+21]. **state** [DMC+22, RNW+23, RVvB+23, RGP+22, SH22, SWOR20, SSWM20, TMKB+22]. **states** [BSIdG23, TBH+22, BCTH20, CCA+21, DRA+23, FBK+22, GGR24]. **Station** [NCC+21, CBN21, SBM+21]. **status** [THVJ23]. **stilling** [JOC+20, SGM+21]. **stimulates** [BVM+20, RGW+23]. **Stimulation** [LBL+24]. **stingrays** [CSB22]. **Stockholm** [vHLV+20]. **stocks** [CEE+22, HMP+21, LDGB+24, SVMM+22]. **Stoichiometric** [FDHS20, MSJ21, KTA+21]. **Stoichiometry** [Roy20, DTPV21, FBV23, FPB+23, LG21, MV22a, MV22b, STB22, SML21b, VKB+22, WOT+23, WWFS21, ZLS+21]. **Stokes** [FGO+20, LCMG+20]. **stony** [FPBG+22]. **storage** [BRM+23, LRNG24, MRH+23]. **stores** [MKM+23]. **storm** [DAD+21, KX22, WTvD+22, vHHP+21]. **storm-induced** [DAD+21, WTvD+22]. **storms** [LRM21, TKM+22]. **strains** [HDS+20]. **stranded** [RHM+21]. **Strategies** [FRRG+21, BDL+21, CZH+21,

DFJ22, HXL+21, RCH+20, TATC+24, WTvD+22, WRHR22, ZLJ+24]. **strategists** [CLGH23]. **strategy** [LZG21]. **Stratification** [DMM+21, KX22, XTL+20, MO23, PMD+23, PW22, SSP+20, SGM+21, YWLY20, YJB+20]. **stratified** [ACA+22, Ano21a, CYPRG+23, CKCB+23, EAF+22, GSG+17, LVDM22, LSW+20a, MAG+22, SBW21]. **Stream** [BCL+22, SDB+23, BWB+22, CGGC+21, CZK+23, DPB+23, FAB+20, FMT+20, IFU+20, LHL+21, MACC24, MKP+23, MHSL22, MGI+22, PSE+20, RGP+22, RVS+22, SBB20]. **streambed** [RBAC+20]. **streams** [AFH+21, ARBvS+21, BHR+23, BHSL21, BCL+22, BKC20, BRM+23, BRB+22, CTF+21, DRA+23, FBJ+23, LLC21, MA21, MGGRR+21, RSLW23, RWT+21, RRHS+21, RHP+23, RBSB22, SPR22, TKW+23, WK21]. **strength** [DMM+21, WWB+20]. **stress** [ALH+21, EFP+21, FLH+23, LRdGFP23, MRC+24, MRT+24, WWB+20]. **stressed** [BWV+20]. **stressors** [ABC+21, HHMH22]. **Strong** [BLS20, GCMJ23, SJJ+21, AH20, KTA+21, LMM+21, LHH24, MSGW+20, WXK+22]. **stronger** [BZK+22]. **strongly** [LRNG24, RGW+23]. **Structural** [KHHZ20]. **Structure** [LNR+20, BGM+22, BR22, CCFF21, CGD22, DBFC24, FWvA+21, FKN21, GSP+23, GGHBS+20, HCH+24, IJSC20, LWS+22, LHS+20, LDB+20, MMF+21, MSGW+20, MDDL22, PFB+22, PSNS22, RPKC22, SGM+22, SSK24, TMKB+22, WRC+21, WCZ+20, YvdHC+20, YAP+22]. **structures** [ASL+24, FHR+21, KTH+21]. **structuring** [SORGC+21]. **studies** [CBPNA22, KSF+23]. **study** [BBMD20, CZH+21, CB21a, HKM+20, JLMW21, KRM+20, LBvE23, LTJ+20, MAG+22, MCYR20, PHM21, SWOR20, WTvD+22, CBN21]. **sub** [BJK+21]. **sub-Antarctic** [BJK+21]. **subalpine** [SEK20]. **subantarctic** [HCB+22, SBV+21]. **Subarctic** [HDK+21, BGG+20, CBS+21, DBFC24, MTP+23, MDDL22, MMG+21, MK21, PCJ+21, PPB+21, SWC+23, SSM21b, TION23, VKK+21, WOK+21]. **subecotypes** [TKA21]. **subglacial** [MP23]. **subject** [KWB21]. **Submarine** [RTM+21, FKN21, IÁSNCR21, KRM+20, LNR+20, WLK+21]. **submerged** [GCMJ23, HGMK22]. **Submesoscale** [FWvA+21]. **subpolar** [WF22]. **subpopulation** [DCJB22]. **subsidies** [EST+24, EFC+23, FW21]. **Subsidized** [BWV+20]. **substantially** [CKCB+23]. **substitution** [FMT+20, KMM+22, MDP+23]. **substrate** [CLC+22, MKBSK19, dOKC+21]. **substrates** [DWW+21, HP20, MHMML+22]. **Subsurface** [KWB21, GLN+20, SSH+22, SLJ+22]. **subterranean** [BPL22, WAPC20]. **subtidal** [SSEO21, SPKM22, SMKS22]. **Subtle** [LGI+20]. **Subtropical** [HYPG+22, RPKC22, TKA21, ZBNH+21, BAD+21, CKH+21, FIH+20, GLAHH+23, HZZ+20, LSCL21, LBL+24, MZW+21, SGS22, VLP+21, WPY+20, YMSH20, YOXC23, YAE+23, YAE+24, ZLU+20]. **Successful** [SBH23]. **succession** [ACE+22, CLGH23, LVZ21, NGSS23, PWS+20]. **Successional** [THT+20, BFE+20, vHHP+21]. **successive** [MWV22].

succumb [FLH+23]. **sudden** [ZZL+21]. **sugars** [GAS+23]. **suggest** [PKV20, WF22]. **suggests** [DAB+21]. **suitable** [GPDA+20]. **Sulfate** [MWHR+22, SSM+21a, KWS+21, PUH+23, SJR21, SZY+20, THL+21]. **Sulfate-** [MWHR+22]. **sulfate-dependent** [SZY+20]. **sulfate-enriched** [KWS+21]. **sulfate-reducing** [SJR21]. **sulfated** [HVMS+21]. **sulfide** [MT23, THL+21, XYZ+21]. **Sulfolipid** [MDP+23]. **Sulfur** [CCK+21, ORRMD+21, HDK+21, LWC+24, MZXY22, MY23, PUH+23, THL+21]. **Summer** [DCF+22, PFB+22, ACA+22, CSNS24, CLP+24, DMM+21, JHvL+23, KCT23, LWC+24, LNC+23, MBH+23, MAG+22, PW22, PGN+21, SBM+21, SHE+21, VJH+22, ZLW21b]. **summertime** [RHA+23, SLJ+22]. **Superior** [PUH+23, SRL+20]. **superoxide** [AFM23]. **supersaturated** [LSW+20b]. **supersaturation** [CM20a, SBW+20]. **supervised** [SCC+21]. **supplements** [LRdGFP23]. **Supply** [SCT+21, GMI+21, LLC+23, LL23, MFGF+22]. **Supply-controlled** [SCT+21]. **support** [LAB+22, SWC+23]. **supported** [SZY+20]. **supporting** [HMB+22]. **supports** [FSM+21, MK20, SPLJA+20, SBW+20]. **Surface** [GLAHH+23, BM22, CCB+20, DNB+20, JLS+20, KMV+20, KTH+21, MCS+23, PATL+23, SIP21, TCP+22, WDG+21, YPF+23, ZZO+21]. **surficial** [ZPK+22]. **surges** [LHH24]. **surrounding** [AGC+21]. **surroundings** [RNW+23]. **surveillance** [ARB+22]. **survey** [DMM+21, MVP+20]. **surveys** [ACW+22, LDG+21]. **Survival** [SRN+21, CGR22, HSP+20, KHB22, RVBP23, vdPAV+20]. **survive** [WRA+23]. **susceptibility** [SIP21]. **suspended** [DWS+22, DLL20, JLS+20, SAD+20]. **suspension** [RTK23]. **sustained** [CCC+21]. **sustaining** [YLT+20]. **sustains** [BVL+23, MBLA+21]. **Svalbard** [JLMW21]. **swimming** [CLT+22]. **Switches** [YAE+24]. **Switzerland** [PSE+20]. **Symbiodiniaceae** [RCH+20]. **symbiont** [MSD23]. **symbionts** [BCFI+22]. **symbiosis** [WWGP21]. **Symbiotic** [FPBG+22]. **sympatric** [CSB22, WRMP22]. **sympatry** [CBS+21, PPB+21]. **symptoms** [GÖA+23]. **Syn** [HCNO+20]. **Synchronized** [BRCO21]. **synchronous** [FR23, MRD+21]. **synchrony** [BVGQN22, DPB+23]. **Synechococcus** [LSCL21, WSLC22, ZLW+21a]. **Synergistic** [LZM+21]. **synthesis** [AWB+23, MA21, MGWS23, WRA+23]. **syntopy** [BRB+22]. **system** [FIH+20, KX22, KHCG+22, LTW+24, RMW+21, SWZ+23, VKGW22, WPY+20, ZLU+20, ZJW+22, dMKB+20, ACE+22, CMB+21]. **system-wide** [KHCG+22]. **Systematic** [BGG+20]. **systematically** [PKV20]. **systems** [HEH+20, HMB+20, KTA+21, KSF+23, LABM20, QS21, RBR+24, SBH23].

Tackling [CDH+21]. **tadpole** [BWB+22]. **Taihu** [XMP+21, GZX+22, XDQ+22]. **tailings** [LMS+21]. **Taiwan** [LHS+20]. **tank** [ALG+23, SEG21]. **target** [BMGK22]. **Tasmania** [LWvdM+21]. **taurine** [CDA+20]. **taxa** [OMM21]. **Taxon** [OLFH21, vdPAV+20, CLG+24, GCEM+23]. **Taxon-specific** [OLFH21, vdPAV+20, CLG+24]. **taxonomic**

[GWS+21, HNS21, PGEB22, SRM23, vdPMF+21]. **techniques** [OAM+22]. **Temperate** [MWV22, AFH+21, AFH+22, AHCF22, CTM+21, CÖL+20, DCJB22, DdEM+23, FBJ+23, FR23, GWS+21, HBS+22, HEH+20, HSV22, KHB22, LAD+22, LHMR23, MTP+23, MGL22, MLC+21, MURK20, NB23, PSK21, RHA+23, RVvB+23, RWS+22, SPBK21, SML21b, SWK+23, SOT+20, TJW+22, VJS+20, WBB+21, WLK+21]. **Temperature** [MKL+24, OBL21, PSK21, SMD21, AAB+22, AFH+21, AFK+22, BM22, BMB22, BMH+23, BWSW24, CGR22, CT23, CHAA21, DWR+23, DCK+22, DAD+21, DKW+21, Edm21a, FLH+23, GR24, HM20, IOS24, JLR+22, KDV+23, Lem20, LSCL21, LNC+23, LSDA21, MVP+20, MRT+24, PBC21, Phi20, Phi21, SJH20, STB22, SHZ+21, SMKS22, VLP+21, XDQ+22, ZXE+23]. **Temperature-dependent** [OBL21]. **temperatures** [NB23, OJUN23, SIP21, SSL22, SGM+21]. **Temporal** [HLH+23, HDD+22, ZSF+23, AH20, AHF+22, FBR+23, LSC+21, LHS+20, MV22a, MV22b, NB20, RHA+23, RWT+21, Roy20, RKBT+23, SMNT22, WZCK20, ZBNH+21]. **temporally** [FR23]. **temporary** [CTF+21, FW21, GCEM+23, GPB+20]. **Ten** [FJP+21]. **term** [BCWS23, BBMD20, BMH+23, CB21a, CHA+24, DAD+21, FHMK20, FBV23, GBHF21, HBR+22, LAD+22, LRNG24, LVHK20, Lem20, LGQ+21, LZM+21, MVP+20, MKBSK19, MNMJ+21, ORE20, RSLW23, SJH20, SGM+21, TMS+21, YAH+21, MKBSK19]. **terminated** [vHLV+20]. **ternary** [ZJW+22]. **terrain** [GPDA+20]. **Terrestrial** [SOT+20, YML+21, AVS+22, TSX+23]. **terrigenous** [LL23, ZCZ+23]. **test** [BO20, PPB+21]. **test-bearing** [BO20]. **Testing** [CFC+20, LD22, SB22]. **Tetradesmus** [ZSZ+21]. **tetraethers** [ZLL+24]. **Thaumarchaeota** [TRS+20]. **thaw** [FBP20, PWS+20]. **their** [BDMGH+23, BCFI+22, BCA+20, CHA+24, FPBG+22, HBG+22, HMBB21, HGA24, LLMM+23, MLS+21, MIR+22, ZLW+21a, ZLL+21]. **Thermal** [BCFI+22, AR20, CHA+24, EFP+21, KKP+21, MRC+24, MSD23]. **thermally** [EAF+22]. **thermokarst** [HABL+21, KSH+23, LPA+23, PWS+20, ZSK+21]. **Thiamine** [WK21]. **thickest** [SRN+21]. **Thin** [PLLM21, GBC+20]. **Think** [OYM+20]. **Three** [CLT+22, EWF22, MHL+20, MZW+21, VGvdB+21]. **Three-dimensional** [CLT+22]. **threshold** [HMBB21]. **Thresholds** [RS21]. **throughout** [SGSD+22]. **throughput** [BBGM20, WZCK20]. **Tibetan** [DLC+22, XTJW21]. **Tidal** [YOXC23, BD22, HSBC20, PBP+23, PNT+21, RWMP+23, SVBT20, SWK+23, WLSD21, XWL+21, ZvBZ+20]. **tidal-flat** [BD22]. **Tidally** [CSC+21, FHR+21]. **tides** [ZSZ+22]. **tidewater** [RBR+24]. **Tight** [HJWP24, XKP+22]. **Time** [CBN21, FIH+20, LABM20, Phi20, Phi21, TRS+20, BHA+22, FWvA+21, FHMK20, FR23, FMT+20, GWS+21, HRK+22, LvBS+22, LHD+20, MO23, MKD22, QS21, RCMA21, SDL22, SGM+22, WDG+21]. **Time-series** [CBN21, FIH+20, LABM20, WDG+21]. **Time-varying** [Phi20, Phi21]. **times** [EAF+22, RTK23]. **timing** [BBM21, SJJ+21]. **Tipping** [CBPNA22]. **tissue** [SWS+22]. **TN** [FBV23]. **TOC**

[Ano20-50, Ano20-51, Ano20-52, Ano20-53, Ano20-54, Ano20-55, Ano20-56, Ano20-57, Ano20-58, Ano20-59, Ano20-60, Ano20-61, Ano21-41, Ano21-42, Ano21-43, Ano21-44, Ano21-45, Ano21-46, Ano21-47, Ano21-48, Ano21-49, Ano21-50, Ano21-51, Ano21-56, Ano21-52, Ano22-44, Ano22-45, Ano22-46, Ano22-47, Ano22-48, Ano22-49, Ano22-50, Ano22-51, Ano22-52, Ano22-53, Ano22-54, Ano22-55, Ano22d, Ano22-56, Ano23-37, Ano23-38, Ano23-39, Ano23-40, Ano23-41, Ano23-42, Ano23-43, Ano23-44, Ano23-45, Ano23-46, Ano23-47, Ano23-48, Ano24m, Ano24n, Ano24o, Ano24p]. **Tolerance** [RBD22, EFP+21, SSL22, ZZCD23, vHHP+22]. **tolerant** [CTM+21]. **tomography** [IKN+21, MMLPRHCG22]. **tool** [ZLL+24]. **top** [BMA+20, BD22, GÖA+23, LLBC20, RS20]. **top-down** [BMA+20, BD22, GÖA+23, LLBC20, RS20]. **topology** [GRJ20]. **total** [DSY20, MCS+23, MGGRR+21, QFM+21, XYL+23]. **toxic** [BMGK22, LBvE23, SKB+22, ZJ22b]. **toxicity** [BH21, BK20, RD23]. **toxigenic** [MBB+20]. **toxin** [WOT+23]. **TP** [FBV23]. **Trace** [WOMWR20, BBA+23, DBB+21, HKM+20, KDZ+24, ZLL+24]. **Tracing** [CDW+24, VCT+23, LLC+23]. **track** [ZZO+21]. **trade** [BH21]. **trade-offs** [BH21]. **trades** [BK20]. **Trait** [VMP+21, GRJ20, LEB21, LVZ21, MLB+21, MO23, WSZ22a, WSZ22b, vHHP+22]. **Trait-based** [VMP+21, LEB21, MLB+21, WSZ22a, WSZ22b, vHHP+22]. **trait-environment** [LVZ21]. **traits** [CZH+21, DTPV21, EG20, FRRG+21, HMBB21, KHK+22, LEB21, OAM+22, WOT+23]. **trajectories** [MNMJ+21, WPO+22]. **transcriptional** [CTP21]. **transcriptomics** [MK20]. **transect** [DWS+22, JLS+20, JSL+23, KPS21]. **transfer** [ALH+21, HPF+23, JYA21, RSP+24, SWZ+23, vGDH+21]. **transform** [SJH20]. **Transformation** [HOB+22, MZXY22, BKMY21, KRM+20, ZLW+21a]. **transformations** [SEK20]. **transient** [NKH+23]. **transition** [BVGQN22, CLP+24, KWS+21, SBM+21, YGD+21]. **Transitioning** [BDE+22]. **transitions** [FDF+21]. **transparency** [BJS23a, DLC+22, KLO23]. **transplanted** [MGP+21]. **transport** [BGAD+22, FHR+21, FGO+20, GLN+20, GLN+21, GPDA+20, KPM+20, LZG21, MDBI20, MLP21b, MURK20, OBL20, QS21, RPA+22, VJS+20, WKRL+23, XLN21]. **trap** [BH21, DLDF21, GWS+21, MTB+21]. **Trench** [FUUG+21, SML+21a]. **trends** [BBMD20, BJG+22, DKPS23, GBHF21, LDB+20]. **triad** [SSA+23]. **tributary** [MBB+20]. **Trichodesmium** [EBW+20, SdBW+23, ZFQ+20]. **triggers** [LMS+21]. **triple** [LHGJ21]. **tritrophic** [EG20]. **Trophic** [CDH+21, MSL21, MBC+21, MCYR20, NDP+24, PMRG20, WMTJW22, BOC+21, CAV+22, CUS21, HCH+24, KPL+20, LGQ+21, MPW+23, PMF+21, RFB+22, RBAC+20, SWOR20, SPR22, SSWM20, THVJ23, VGSB23, WWGP21, YvdHC+20]. **Tropical** [BYB+23, EBK+20, ETMD23, FSS+23, SMW+21, AAB+22, ACW+22, AHCJ+20, BLS+22, BPL22, CCFF21, CDH+21, CMCC24, CBD+23, DBM+23, DNA+22, FMT+20,

GCEM+23, GLAHH+23, KBvdD+20, LBG+22, LSDA21, MA21, MHdS+21, MHVC22, NB20, PBGGRB21, RMW+21, SVMM+22, SDB+23, THVJ23]. **Trough** [GNO22]. **tuna** [OFM+21, OLR+23]. **tundra** [LMM+21, ZSK+21]. **tunicate** [ST22]. **Turbidity** [RS20, BRHS20]. **Turbulence** [MBA+21, EWF22, FIM+22, GFG+22, TGE+21]. **turbulent** [LXC+21a]. **Turnover** [GB21, BGM+21, KBB+22, LD22, MRC+24, PKV20, SB22]. **turtle** [JHBB22]. **twilight** [BO20, KCT23]. **Two** [AHCF22, CTM+21, ACW+22, BCL+22, CB21a, HTLP23, HOB+22, LHMR23, LHH24, MLC+21, MSG+22, SPBK21, WRHR22, WAPC20]. **type** [dSNIB22]. **types** [CGGC+21, HPCH24, KKA22, ZLG+23]. **typhoon** [SYT+21, TNK+22]. **typhoon-induced** [SYT+21, TNK+22]. **typhoons** [LLC+23]. **Typical** [QS21].

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[AHCJ+20, AFM23, CLGH23, CKCB+23, CLD+23, CPBJR+21, CSNS24, FBRG23, FWDY20, GPK+21, IJSC20, JLW+23, KTH+21, LSW+20a, LvBS+22, LZD+23, LMS+21, MCS+23, MKD22, SSM+21a, SSP+20, THVJ23, TCP+22, TMM+20, YML+21, vLWV+20]. **Watershed** [JSPS24, MBH+23]. **watersheds** [BSF+21, PGEB22]. **Wave** [SN22, GLN+20, LHH24, MXL+21, MIR+22, SRN+21, VGvdB+21, ZLN21]. **wave-current** [SN22]. **wave-forcing** [SRN+21]. **wave-powered** [MXL+21]. **wavelet** [SJH20]. **waves** [EJRRC+23, FWDY20, FGO+20, GLN+21, GFG+22, PRS+20, SRV+20]. **Weak** [LMM+21, WMRL22]. **weather** [dCLO+23]. **weathering** [PYY+20, ZPK+22]. **web** [BHR+23, BOC+21, CDH+21, CGL+21, EG20, FSM+21, FLW+21, GGS+21, HCH+24, IFU+20, JSPS24, LCM+22, MMF+21, MLC+21, PSNS22, SWC+23, VCT+23, WRC+21, YAP+22]. **webs** [BR22, CDH+21, CESS21, FWT+20, GM22, KPL+20, LTQS+21, LCHB22, LEB21, WHZ+21]. **wedge** [WLK+21]. **weight** [BGM+21]. **well** [BD22]. **were** [SVMM+22]. **West** [BBL+21, CFC+20, NGSS23, SGSF20]. **Western** [MN20, CCA+21, CWF+22, FIH+20, HBG+22, IKN+21, JSL+23, JWAvD+22, KBvdD+20, KSH+23, LEK+22, LNC+23, MSG+22, SOO+21, SBW+20, SSR+23, WM20, XYZ+21, YWZZ20, ZZO+21, BFE+20, BRB+22, LLK+22]. **wet** [YAE+23]. **wetland** [LRM21, NEB+22, VJS+20, WHZ+21]. **wetlands** [PYY+20, ZJW+22, ZSZ+22]. **Where** [CHS+20]. **while** [AFH+21]. **Whole** [SPBK21, PBC21]. **Whole-lake** [SPBK21]. **wide** [KHCG+22, SORGC+21]. **widespread** [LCS+20, OMM21, VSB+23]. **width** [SGM+22]. **Wind** [FBRG23, dSNIB22, HPP+21, ILPL20, MAG+22, SLZ+21b, SCM22, TKM+22]. **Wind-driven** [FBRG23, HPP+21, SLZ+21b]. **wind-induced** [SCM22]. **window** [RBR+24]. **windows** [OJUN23]. **winds** [RHM+21, SLJ+22, ZSZ+22]. **Winter** [CB21a, AAC+21, GB23, HS21, JHvL+23, KPG+23, KTH+21, MBH+23, PCJ+21, SIP21, SO23, YWLY20]. **wintertime** [APB+23]. **within** [BBH+20, BR22, CCFF21, CCC+21, EWGP22, GLB+22, HZC+24, HDD+22, LTH21, LTW+24, MFM+21, MKP+23, RBAC+20, YGD+21, ZLIP20]. **within-lake** [BR22]. **wooden** [HMM+22]. **world** [ZZCD23]. **worldwide** [QFM+21]. **would** [SVBT20].

X [IKN+21]. **X-ray** [IKN+21].

Yakutia [HABL+21]. **year** [EDC24, FR23, SO23]. **year-long** [EDC24]. **years** [FJP+21, HSB+20, MFM+21]. **Yellow** [MLL+21]. **yield** [BMCS23, RKBT+23]. **yields** [APB+23]. **Yucatan** [BFCC+21]. **Yukon** [CM21].

Zealand [LNR+20, YWZ+21]. **Zehr** [MBD+23]. **zinc** [KMV+20]. **zinc/cobalt** [KMV+20]. **Zn** [KMV+20, KMM+22, LSL+20]. **Zn/Co** [KMM+22]. **zone** [AVS+22, BBM21, BYB+23, BO20, BZK+22, DNA+22, EBK+20, KCT23, LRM21,

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[APB+23] Anna Akimova, Myron A. Peck, Gregor Börner, Cindy van Damme, and Marta Moyano. Combining modeling with novel field observations yields new insights into wintertime food limitation of larval fish. *Limnology and Oceanography*, 68 (8):1865–1879, August 2023. CODEN LIOCAH. ISSN 0024-3590.

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

Aoki:2022:DSA

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

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

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[ARPFGS23] Paulo Alcaraz-Rocha, Júlia Puig-Fàbregas, José Luis Garrido, and Cristina Sobrino. Ocean acidification affects pigment concentration and photoprotection of marine phyto-

plankton. *Limnology and Oceanography*, 68(4):831–844, April 2023. CODEN LIOCAH. ISSN 0024-3590.

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[ASH+20] William I. Atlas, Daniel T. Selbie, Carrie A. Holt, Steve Cox-Rogers, Charmaine Carr-Harris, Kara J. Pitman, and Jonathan W. Moore. Landscape and biophysical controls of lake productivity to inform evaluation of sockeye salmon (*Oncorhynchus nerka*) populations in data-limited regions. *Limnology and Oceanography*, 66(5):2205–2219, September 2020. CODEN LIOCAH. ISSN 0024-3590.

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

Ahonen:2024:API

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

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

Alowaifeer:2023:AMS

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

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

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

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

Browning:2020:NRL

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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[BMR+21b] Alice F. Besterman, Karen J. McGlathery, Matthew A. Reidenbach, Patricia L. Wiberg, and Michael L. Pace. Predicting benthic macroalgal abundance in shallow coastal lagoons from geomorphology and hydrologic flow patterns. *Limnol-*

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

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

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

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

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

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

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[BRHS20] Caitlin O. Blain, T. Alwyn V. Rees, S. Christine Hansen, and Nick T. Shears. Morphology and photosynthetic response of the kelp *Ecklonia radiata* across a turbidity gradient. *Limnology and Oceanography*, 65(3):529–544, March 2020. CODEN LIOCAH. ISSN 0024-3590.

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[BSGA21] John Paul Balmonte, Meinhard Simon, Helge-Ansgar Giebel, and Carol Arnosti. A sea change in microbial enzymes: Heterogeneous latitudinal and depth-related gradients in bulk

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[BVGQN22] Lucie Buttay, David A. Vasseur, Rafael González-Quirós, and Enrique Nogueira. Nutrient limitation can explain a rapid

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

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

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

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

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[BWV+20] Raven L. Bier, Jennifer J. Wernegreen, Rytas J. Vilgalys, Joseph Christopher Ellis, and Emily S. Bernhardt. Subsidized or stressed? Shifts in freshwater benthic microbial metagenomics along a gradient of alkaline coal mine

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

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

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

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

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

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[CB21a] Emily Cavaliere and Helen M. Baulch. Winter in two phases: Long-term study of a shallow reservoir in winter. *Limnology and Oceanography*, 65(3):1335–1352, April 2021. CODEN LIOCAH. ISSN 0024-3590.

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

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

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

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

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[CBF+23] Noémie Choisnard, Emma Burtscher, Stefan Forster, Claudia Frey, Matthias Moros, and Maren Voss. The Amazon shelf sediments, a reactor that fuels intense nitrogen cycling at

the seabed. *Limnology and Oceanography*, 68(10):2211–2226, October 2023. CODEN LIOCAH. ISSN 0024-3590.

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

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

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

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

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

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

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

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[CCG+22] Malaika Cordeiro, John H. Costello, Brad J. Gemmell, Kelly R. Sutherland, and Sean P. Colin. Oceanic lobate ctenophores possess feeding mechanics similar to the impactful coastal species *Mnemiopsis leidyi*. *Limnology and Oceanography*, 67(12):2706–2717, December 2022. CODEN LIOCAH. ISSN 0024-3590.

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[CCK+21] Cameron M. Callbeck, Donald E. Canfield, Marcel M. M. Kuypers, Pelin Yilmaz, Gaute Lavik, Bo Thamdrup, Carsten J. Schubert, and Laura A. Bristow. Sulfur cycling in oceanic oxygen minimum zones. *Limnology and Oceanography*, 66(6):2360–2392, June 2021. CODEN LIOCAH. ISSN 0024-3590.

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[CDA+20] Elisabeth L. Clifford, Daniele De Corte, Chie Amano, Paolo Paliaga, Ingrid Ivančić, Victor Ortiz, Mirjana Najdek, Gerhard J. Herndl, and Eva Sintes. Mesozooplankton taurine production and prokaryotic uptake in the northern Adriatic Sea. *Limnology and Oceanography*, 66(10):2730–2747, November 2020. CODEN LIOCAH. ISSN 0024-3590.

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[CDH+21] Xupeng Chi, Jan Dierking, Henk-Jan Hoving, Florian Lüskow, Anneke Denda, Bernd Christiansen, Ulrich Sommer, Thomas Hansen, and Jamileh Javidpour. Tackling the jelly web: Trophic ecology of gelatinous zooplankton in oceanic food webs of the eastern tropical Atlantic assessed by stable isotope analysis. *Limnology and Oceanography*, 66(2):289–305, February 2021. CODEN LIOCAH. ISSN 0024-3590.

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

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[CESS21] Ariana M. Chiapella, Collin A. Eagles-Smith, and Angela L. Strecker. From forests to fish: Mercury in mountain lake food webs influenced by factors at multiple scales. *Limnology and Oceanography*, 66(4):1021–1035, April 2021. CODEN LIOCAH. ISSN 0024-3590.

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[CEW+21] Jian-Jhih Chen, Dirk V. Erler, Naomi S. Wells, Jianyin Huang, David T. Welsh, and Bradley D. Eyre. Denitrification, anammox, and dissimilatory nitrate reduction to ammonium across a mosaic of estuarine benthic habitats. *Limnology and Oceanography*, 66(4):1281–1297, April 2021. CODEN LIOCAH. ISSN 0024-3590.

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[CFC+20] Filipa Carvalho, Jessica N. Fitzsimmons, Nicole Couto, Nicole Waite, Maxim Gorbunov, Josh Kohut, Matthew J. Oliver, Robert M. Sherrell, and Oscar Schofield. Testing the Canyon Hypothesis: Evaluating light and nutrient controls of phytoplankton growth in penguin foraging hotspots along the West Antarctic Peninsula. *Limnology and Oceanogra-*

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[CGB+21] Dany Croteau, Sébastien Guérin, Flavienne Bruyant, Joannie Ferland, Douglas A. Campbell, Marcel Babin, and Johann Lavaud. Contrasting nonphotochemical quenching patterns under high light and darkness aligns with light niche occupancy in Arctic diatoms. *Limnology and Oceanography*, 66(S1):S231–S245, February 2021. CODEN LIOCAH. ISSN 0024-3590.

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[CGC+21] Chung-Chi Chen, Gwo-Ching Gong, Kuo-Ping Chiang, Fuh-Kwo Shiah, Chih-Ching Chung, and Chin-Chang Hung. Scaling effects of a eutrophic river plume on organic carbon consumption. *Limnology and Oceanography*, 66(5):1867–1881, May 2021. CODEN LIOCAH. ISSN 0024-3590.

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[CGD22] William Cyrus Clemo, Katelyn D. Giles, and Kelly M. Dorgan. Biological influences on coastal muddy sediment structure following resuspension. *Limnology and Oceanography*, 67(11):2466–2482, November 2022. CODEN LIOCAH. ISSN 0024-3590.

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[CGGC+21] Marta Boix Canadell, Lluís Gómez-Gener, Mélanie Clémençon, Stuart N. Lane, and Tom J. Battin. Daily entropy of dissolved oxygen reveals different energetic regimes and drivers among high-mountain stream types. *Limnology and Oceanography*, 65(3):1594–1610, April 2021. CODEN LIOCAH. ISSN 0024-3590.

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

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[CGR22] Louise P. Cameron, Jonathan H. Grabowski, and Justin B. Ries. Effects of elevated pCO_2 and temperature on the calcification rate, survival, extrapallial fluid chemistry, and respiration of the Atlantic Sea scallop *Placopecten magellanicus*. *Limnology and Oceanography*, 67(8):1670–1686, August 2022. CODEN LIOCAH. ISSN 0024-3590.

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[CGRGP+21] María Teresa Camarena-Gómez, Clara Ruiz-González, Jonna Piiparinen, Tobias Lipsewers, Cristina Sobrino, Ramiro Logares, and Kristian Spilling. Bacterioplankton dynamics driven by interannual and spatial variation in diatom and dinoflagellate spring bloom communities in the Baltic Sea. *Limnology and Oceanography*, 66(1):255–271, January 2021. CODEN LIOCAH. ISSN 0024-3590.

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[CHA+24] Stefano Corona, Andrew G. Hirst, David Atkinson, Jasmin Renz, Maarten Boersma, and Angus Atkinson. Long-term shifts in phenology, thermal niche, population size, and their interactions in marine pelagic copepods. *Limnology and Oceanography*, 69(3):482–497, March 2024. CODEN LIOCAH. ISSN 0024-3590.

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[CHAA21] Stefano Corona, Andrew Hirst, David Atkinson, and Angus Atkinson. Density-dependent modulation of copepod body size and temperature–size responses in a shelf sea. *Limnology and Oceanography*, 66(11):3916–3927, November 2021. CODEN LIOCAH. ISSN 0024-3590.

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[CHP+24] Henry L. S. Cheung, Jenny R. Hillman, Conrad A. Pilditch, Candida Savage, Isaac R. Santos, Ronnie N. Glud, Francisco J. A. Nascimento, Simon F. Thrush, and Stefano Bonaglia. Denitrification, anammox, and DNRA in oligotrophic continental shelf sediments. *Limnology and Oceanography*, 69(3): 621–637, March 2024. CODEN LIOCAH. ISSN 0024-3590.

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[CHS+20] Hannah E. Chmiel, Hilmar Hofmann, Sebastian Sobek, Tatyana Efremova, and Natacha Pasche. Where does the

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[CJB+21] Megan A. Cimino, Michael G. Jacox, Steven J. Bograd, Stephanie Brodie, Gemma Carroll, Elliott L. Hazen, Bertha E. Lavaniegos, Mark M. Morales, Erin Satterthwaite, and Ryan R. Rykaczewski. Anomalous poleward advection facilitates episodic range expansions of pelagic red crabs in the eastern North Pacific. *Limnology and Oceanography*, 66 (8):3176–3189, August 2021. CODEN LIOCAH. ISSN 0024-3590.

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[CKCB+23] Ashley B. Cohen, Vanja Klepac-Ceraj, Kristen Bidas, Felix Weber, Arkadiy I. Garber, Lisa N. Christensen, Jacob A. Cram, Michael L. McCormick, and Gordon T. Taylor. Deep photoautotrophic prokaryotes contribute substantially to carbon dynamics in oxygen-deficient waters in a permanently redox-stratified freshwater lake. *Limnology and Oceanography*, 68(1):232–247, January 2023. CODEN LIOCAH. ISSN 0024-3590.

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[CKH+21] Matthew J. Church, Eint Kyi, Robert O. Hall,, Jr., David M. Karl, Markus Lindh, Alexa Nelson, and Emma K. Wear. Production and diversity of microorganisms associated with sinking particles in the subtropical North Pacific Ocean. *Limnology and Oceanography*, 66(9):3255–3270, September 2021. CODEN LIOCAH. ISSN 0024-3590.

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[CLA+24] Elisa Calamita, J. Jelle Lever, Clement Albergel, R. Iestyn Woolway, and Daniel Odermatt. Detecting climate-related shifts in lakes: a review of the use of satellite Earth Observation. *Limnology and Oceanography*, 69(4):723–741, April 2024. CODEN LIOCAH. ISSN 0024-3590.

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[CLC+20] Katherine V. Cook, Chuang Li, Haiyuan Cai, Lee R. Krumholz, K. David Hambright, Hans W. Paerl, Morgan M. Steffen, Alan E. Wilson, Michele A. Burford, Hans-Peter

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[CLC+21] K. V. Cook, C. Li, H. Cai, L. R. Krumholz, K. D. Hambright, H. W. Paerl, M. M. Steffen, A. E. Wilson, M. A. Burford, H.-P. Grossart, D. P. Hamilton, H. Jiang, A. Sukenik, D. Latour, E. I. Meyer, J. Padisák, B. Qin, R. M. Zamor, and G. Zhu. Corrigendum to: The global *Microcystis* interactome. *Limnology and Oceanography*, 66(6):2496–2497, June 2021. CODEN LIOCAH. ISSN 0024-3590.

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[CLC+22] Qi Chen, Christian Lønborg, Feng Chen, Michael Gonsior, Yunyun Li, Ruanhong Cai, Chen He, Jiaxin Chen, Yu Wang, Quan Shi, Nianzhi Jiao, and Qiang Zheng. Increased microbial and substrate complexity result in higher molecular diversity of the dissolved organic matter pool. *Limnology and Oceanography*, 67(11):2360–2373, November 2022. CODEN LIOCAH. ISSN 0024-3590.

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[CLD+23] Manuel Colombo, Julie LaRoche, Dhwani Desai, Jingxuan Li, and Maria T. Maldonado. Control of particulate manganese (Mn) cycling in halocline Arctic Ocean waters by putative Mn-oxidizing bacterial dynamics. *Limnology and Oceanography*, 68(9):2070–2087, September 2023. CODEN LIOCAH. ISSN 0024-3590.

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[CLG+24] Fernando Chaguaceda, Danny C. P. Lau, Willem Goedkoop, Mariem Fadhlaoui, Isabelle Lavoie, and Tobias Vrede. Zooplankton in northern lakes show taxon-specific responses in fatty acids across climate-productivity and ecosystem size gradients. *Limnology and Oceanography*, 69(4):947–960, April 2024. CODEN LIOCAH. ISSN 0024-3590.

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[CLGH23] Yuren Chen, Ming Li, Patricia M. Glibert, and Cynthia Heil. MurKy waters: Modeling the succession from r to K strate-

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[CLP+24] Antonia Cristi, Cliff S. Law, Matt Pinkerton, Adriana Lopes dos Santos, Karl Safi, and Andres Gutiérrez-Rodríguez. Environmental driving forces and phytoplankton diversity across the Ross Sea region during a summer–autumn transition. *Limnology and Oceanography*, 69(4):772–788, April 2024. CODEN LIOCAH. ISSN 0024-3590.

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[CLT+22] Svenja Christiansen, Øystein Langangen, Josefin Titelman, Leif Asbjørn Vøllestad, and Stein Kaartvedt. Three-dimensional swimming behavior and activity of a mesopelagic fish. *Limnology and Oceanography*, 67(12):2677–2690, December 2022. CODEN LIOCAH. ISSN 0024-3590.

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[CLW+21] Chong Chen, Tzu-Hao Lin, Hiromi Kayama Watanabe, Tomonari Akamatsu, and Shinsuke Kawagucci. Baseline soundscapes of deep-sea habitats reveal heterogeneity among ecosystems and sensitivity to anthropogenic impacts. *Limnology and Oceanography*, 66(10):3714–3727, October 2021. CODEN LIOCAH. ISSN 0024-3590.

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[CM20a] Adam P. Cohen and John M. Melack. Carbon dioxide supersaturation in high-elevation oligotrophic lakes and reservoirs in the Sierra Nevada, California. *Limnology and Oceanography*, 65(3):612–626, March 2020. CODEN LIOCAH. ISSN 0024-3590.

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

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[CM21] J. Blake Clark and Antonio Mannino. Preferential loss of Yukon River delta colored dissolved organic matter under

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[CMB+21] Ivia Closset, Heather M. McNair, Mark A. Brzezinski, Jeffrey W. Krause, Kimberlee Thamatrakoln, and Janice L. Jones. Diatom response to alterations in upwelling and nutrient dynamics associated with climate forcing in the California Current System. *Limnology and Oceanography*, 65(3): 1578–1593, April 2021. CODEN LIOCAH. ISSN 0024-3590.

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

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

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[CMT+20] Raul Rodrigo Costa, Carlos Rafael Borges Mendes, Virginia Maria Tavano, Tiago Segabinazzi Dotto, Rodrigo Kerr, Thiago Monteiro, Clarisse Odebrecht, and Eduardo Resende Secchi. Dynamics of an intense diatom bloom in the Northern Antarctic Peninsula, February 2016. *Limnology and Oceanography*, 65(9):2056–2075, September 2020. CODEN LIOCAH. ISSN 0024-3590.

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[CPB+21] Núria Catalán, Ada Pastor, Carles M. Borrego, Joan Pere Casas-Ruiz, Jeffrey A. Hawkes, Carmen Gutiérrez, Daniel von Schiller, and Rafael Marcé. The relevance of environment vs. composition on dissolved organic matter degradation in freshwaters. *Limnology and Oceanography*, 66(2):306–320, February 2021. CODEN LIOCAH. ISSN 0024-3590.

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

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

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[CSD+24] Brendan R. Carter, Jonathan D. Sharp, Andrew G. Dickson, Marta Álvarez, Michael B. Fong, Maribel I. García-Ibáñez, Ryan J. Woosley, Yuichiro Takeshita, Leticia Barbero, Robert H. Byrne, Wei-Jun Cai, Melissa Chierici, Simon L. Clegg, Regina A. Easley, Andrea J. Fassbender,

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

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[CSM+23] Dylan Catlett, David A. Siegel, Paul G. Matson, Emma K. Wear, Craig A. Carlson, Thomas S. Lankiewicz, and M. Debora Iglesias-Rodriguez. Integrating phytoplankton pigment and DNA meta-barcoding observations to determine phytoplankton composition in the coastal ocean. *Limnology and Oceanography*, 68(2):361–376, February 2023. CODEN LIOCAH. ISSN 0024-3590.

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[CSNS24] John A. Conroy, Deborah K. Steinberg, Schuyler C. Nardelli, and Oscar Schofield. Omnivorous summer feeding by juvenile Antarctic krill in coastal waters. *Limnology and Oceanography*, 69(4):874–887, April 2024. CODEN LIOCAH. ISSN 0024-3590.

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[CTH+20] Jun Choi, Cary Troy, Nathan Hawley, Michael McCormick, and Mathew Wells. Lateral dispersion of dye and drifters in the center of a very large lake. *Limnology and Oceanography*, 65(2):336–348, February 2020. CODEN LIOCAH. ISSN 0024-3590.

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[CTM+21] Chloe Carbonne, Núria Teixidó, Billy Moore, Alice Mirasole, Thomas Guttierez, Jean-Pierre Gattuso, and Steeve Comeau. Two temperate corals are tolerant to low pH regardless of previous exposure to natural CO_2 vents. *Limnology and Oceanography*, 66(11):4046–4061, November 2021. CODEN LIOCAH. ISSN 0024-3590.

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[CTP21] Adit Chaudhary, Sarah Turner, and Rachel Poretsky. Bacterioplankton respond with similar transcriptional activity to allochthonous dissolved organic matter in coastal and offshore Lake Michigan. *Limnology and Oceanography*, 66(8): 3162–3175, August 2021. CODEN LIOCAH. ISSN 0024-3590.

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[CUS21] Marco Corrales-Ugalde and Kelly R. Sutherland. Fluid mechanics of feeding determine the trophic niche of the hydromedusa *Clytia gregaria*. *Limnology and Oceanography*, 66(3):939–953, March 2021. CODEN LIOCAH. ISSN 0024-3590.

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[CWF+22] Justin D. Chaffin, Judy A. Westrick, Elliot Furr, Johnna A. Birbeck, Laura A. Reitz, Keara Stanislawczyk, Wei Li, Peter K. Weber, Thomas B. Bridgeman, Timothy W. Davis,

and Xavier Mayali. Quantification of microcystin production and biodegradation rates in the western basin of Lake Erie. *Limnology and Oceanography*, 67(7):1470–1483, July 2022. CODEN LIOCAH. ISSN 0024-3590.

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[CYPRG+23] Pedro J. Cabello-Yeves, Antonio Picazo, Juan J. Roda-Garcia, Francisco Rodriguez-Valera, and Antonio Camacho. Vertical niche occupation and potential metabolic interplay of microbial consortia in a deeply stratified meromictic model lake. *Limnology and Oceanography*, 68(11):2492–2511, November 2023. CODEN LIOCAH. ISSN 0024-3590.

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[CYZZ+20] Pedro J. Cabello-Yeves, Tamara I. Zemskaya, Alexandra S. Zakharenko, Mariya V. Sakirko, Vyacheslav G. Ivanov, Rohit Ghai, and Francisco Rodriguez-Valera. Microbiome of the deep Lake Baikal, a unique oxic bathypelagic habitat. *Limnology and Oceanography*, 65(7):1471–1488, July 2020. CODEN LIOCAH. ISSN 0024-3590.

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[CZH+21] Haobing Cao, Zhenchang Zhu, Peter M. J. Herman, Stijn Temmerman, Jaco de Smit, Liquan Zhang, Lin Yuan, and Tjeerd J. Bouma. Plant traits determining biogeomorphic landscape dynamics: a study on clonal expansion strategies driving cliff formation at marsh edges. *Limnology and Oceanography*, 66(10):3754–3767, October 2021. CODEN LIOCAH. ISSN 0024-3590.

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

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

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

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[DCJB22] Agustín M. De Wysiecki, Federico Cortés, Andrés J. Jaureguizar, and Adam Barnett. Potential global distribution of a temperate marine coastal predator: The role of barriers and dispersal corridors on subpopulation connectivity. *Limnology and Oceanography*, 67(8):1805–1819, August 2022. CODEN LIOCAH. ISSN 0024-3590.

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[DCK+22] Lixia Deng, Shunyan Cheung, Chang-Keun Kang, Kailin Liu, Xiaomin Xia, and Hongbin Liu. Elevated temperature relieves phosphorus limitation of marine unicellular diazotrophic cyanobacteria. *Limnology and Oceanography*, 67 (1):122–134, January 2022. CODEN LIOCAH. ISSN 0024-3590.

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[dCLO+23] Aubin Thibault de Chanvalon, George W. Luther III, Véronique E. Oldham, Bradley M. Tebo, Nicole R. Coffey, and Timothy F. Shaw. Distribution and stability of Mn complexes in the ocean: Influence of hydrothermal plumes and weather events. *Limnology and Oceanography*, 68(2):455–466, February 2023. CODEN LIOCAH. ISSN 0024-3590.

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[DFW+20] Mathilde Dugenne, Fernanda Henderikx Freitas, Samuel T. Wilson, David M. Karl, and Angelicque E. White. Life and death of *Crocosphaera* sp. in the Pacific Ocean: Fine scale predator–prey dynamics. *Limnology and Oceanography*, 65 (11):2603–2617, November 2020. CODEN LIOCAH. ISSN 0024-3590.

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exposed high-elevation pond sediments. *Limnology and Oceanography*, 66(4):1050–1067, April 2021. CODEN LIOCAH. ISSN 0024-3590.

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[DHNH22] Sofia L. D'Ambrosio, Stephen M. Henderson, Jeffrey R. Nielson, and John A. Harrison. In situ flux estimates reveal large variations in methane flux across the bottom boundary layer of a eutrophic lake. *Limnology and Oceanography*, 67(10): 2119–2139, October 2022. CODEN LIOCAH. ISSN 0024-3590.

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[dJGCS23] Carlos de Juan, Kaiene Griffell, Albert Calbet, and Enric Saiz. Multigenerational physiological compensation and body size reduction dampen the effects of warming on copepods. *Limnology and Oceanography*, 68(5):1037–1047, May 2023. CODEN LIOCAH. ISSN 0024-3590.

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[DK20] Steve Dudgeon and Janet E. Kübler. A multistressor model of carbon acquisition regulation for macroalgae in a changing climate. *Limnology and Oceanography*, 65(10):2541–2555, October 2020. CODEN LIOCAH. ISSN 0024-3590.

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[DKBG21] Kevin T. Du Clos, Lee Karp-Boss, and Brad J. Gemmell. Diatoms rapidly alter sinking behavior in response to changing nutrient concentrations. *Limnology and Oceanography*, 66(3): 892–900, March 2021. CODEN LIOCAH. ISSN 0024-3590.

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[DKPS23] Robert P. Dunn, Julie L. Krask, James L. Pinckney, and Erik M. Smith. Contrasting trends in water quality between adjacent ocean- and river-dominated estuaries: Evidence for

marsh porewaters as a source of nutrient enrichment? *Limnology and Oceanography*, 68(9):2040–2058, September 2023. CODEN LIOCAH. ISSN 0024-3590.

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[DKW+21] Marcin Krzysztof Dziuba, Lechosław Kuczyński, Łukasz Wejnerowski, Slawek Cerbin, and Justyna Wolinska. Countergradient variation concealed adaptive responses to temperature increase in *Daphnia* from heated lakes. *Limnology and Oceanography*, 66(4):1268–1280, April 2021. CODEN LIOCAH. ISSN 0024-3590.

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

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[DLDF21] Thibaud Dezutter, Catherine Lalande, Gérald Darnis, and Louis Fortier. Seasonal and interannual variability of the Queen Maud Gulf ecosystem derived from sediment trap measurements. *Limnology and Oceanography*, 66(S1):S411–S426, February 2021. CODEN LIOCAH. ISSN 0024-3590.

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[DLL20] Manon T. Duret, Richard S. Lampitt, and Phyllis Lam. Eukaryotic influence on the oceanic biological carbon pump in the Scotia Sea as revealed by ^{18}S rRNA gene sequencing of suspended and sinking particles. *Limnology and Oceanography*, 65(S1):S49–S70, January 2020. CODEN LIOCAH. ISSN 0024-3590.

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[DMS+21] Shannon C. Doherty, Amy E. Maas, Deborah K. Steinberg, Brian N. Popp, and Hilary G. Close. Distinguishing zooplankton fecal pellets as a component of the biological pump using compound-specific isotope analysis of amino acids. *Limnology and Oceanography*, 66(7):2827–2841, July 2021. CODEN LIOCAH. ISSN 0024-3590.

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

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[dOKC+21] Manoela Romanó de Orte, David A. Koweek, Tyler Cyronak, Yuichiro Takeshita, Alyssa Griffin, Kennedy Wolfe, Alina Szmant, Robert Whitehead, Rebecca Albright, and Ken Caldeira. Unexpected role of communities colonizing dead coral substrate in the calcification of coral reefs. *Limnology and Oceanography*, 66(5):1793–1803, May 2021. CODEN LIOCAH. ISSN 0024-3590.

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[DP22] Steve R. Dudgeon and Peter S. Petraitis. Experimental evidence for resilience of rockweeds on rocky shores in the Gulf of Maine, USA. *Limnology and Oceanography*, 67(S1):S211–S223, February 2022. CODEN LIOCAH. ISSN 0024-3590.

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[GBMKJ22] Anna Elizabeth Løvgren Graversen, Gary T. Banta, Pere Masque, and Dorte Krause-Jensen. Carbon sequestration is not inhibited by livestock grazing in Danish salt marshes. *Limnology and Oceanography*, 67(S2):S19–S35, November 2022. CODEN LIOCAH. ISSN 0024-3590.

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[GBO+20] Eric J. Guiry, Michael Buckley, Trevor J. Orchard, Alicia L. Hawkins, Suzanne Needs-Howarth, Erling Holm, and Paul Szpak. Deforestation caused abrupt shift in Great Lakes nitrogen cycle. *Limnology and Oceanography*, 65(8):1921–1935, August 2020. CODEN LIOCAH. ISSN 0024-3590.

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[GBW24] Luis Giménez, Maarten Boersma, and Karen H. Wiltshire. A multiple baseline approach for marine heatwaves. *Limnology and Oceanography*, 69(3):638–651, March 2024. CODEN LIOCAH. ISSN 0024-3590.

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[GCEM+23] Ángel Gálvez, Andreu Castillo-Escrivà, Anne Magurran, Iván Alambiaga, Fabián Bonilla, Antonio Camacho, Eduardo M. García-Roger, Sanda Iepure, Javier Miralles-Lorenzo, Juan S. Monrós, Carla Olmo, Antonio Picazo, Carmen Rojo, Juan Rueda, Mahmood Sasa, Mati Segura, Xavier Armengol, and Francesc Mesquita-Joanes. Higher alpha and gamma, but not beta diversity in tropical than in Mediterranean temporary ponds: a multi-taxon spatiotemporal approach. *Limnology and Oceanography*, 68(10):2402–2414, October 2023. CODEN LIOCAH. ISSN 0024-3590.

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[GCMJ23] Gemma F. Galbraith, Benjamin J. Cresswell, Mark I. McCormick, and Geoffrey P. Jones. Strong hydrodynamic drivers of coral reef fish biodiversity on submerged pinnacle coral reefs. *Limnology and Oceanography*, 68(11):2415–2430, November 2023. CODEN LIOCAH. ISSN 0024-3590.

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[GCW+23] Feiyang Ge, Bin Chen, Shaopeng Wang, Qianqian Zhou, Zhiyuan Ma, Guangcheng Chen, Weiwei Yu, Wenxuan Han, Senming Tang, Shangke Su, Dian Zhang, Wanting Zhang, Xiaoqian Lu, and Shenqun An. The relative importance of environmental heterogeneity and dispersal limitation on spatial patterns of phytoplankton communities varies across seasons. *Limnology and Oceanography*, 68(9):1995–2007, September 2023. CODEN LIOCAH. ISSN 0024-3590.

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[GDB20] Jelena Godrijan, David Drapeau, and William M. Balch. Mixotrophic uptake of organic compounds by coccolithophores. *Limnology and Oceanography*, 65(6):1410–1421, June 2020. CODEN LIOCAH. ISSN 0024-3590.

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[GE22] Sarah L. C. Giering and Claire Evans. Overestimation of prokaryotic production by leucine incorporation — and how to avoid it. *Limnology and Oceanography*, 67(3):726–738, March 2022. CODEN LIOCAH. ISSN 0024-3590.

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[GEHD20] John R. Gardner, Scott H. Ensign, Jeffrey N. Houser, and Martin W. Doyle. Light exposure along particle flowpaths in large rivers. *Limnology and Oceanography*, 65(1):128–142, January 2020. CODEN LIOCAH. ISSN 0024-3590.

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[GFG+22] Jessica C. Garwood, Heidi L. Fuchs, Gregory P. Gerbi, Elias J. Hunter, Robert J. Chant, and John L. Wilkin. Es-

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[GFW+20] Mary R. Gradoville, Hanna Farnelid, Angelicque E. White, Kendra A. Turk-Kubo, Brittany Stewart, François Ribalet, Sara Ferrón, Paulina Pinedo-Gonzalez, E. Virginia Armbrust, David M. Karl, Seth John, and Jonathan P. Zehr. Latitudinal constraints on the abundance and activity of the cyanobacterium UCYN-A and other marine diazotrophs in the North Pacific. *Limnology and Oceanography*, 65(8):1858–1875, August 2020. CODEN LIOCAH. ISSN 0024-3590.

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

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[GGLH+22] Jorge García-Girón, Marja Lindholm, Jani Heino, Heikki Toivonen, and Janne Alahuhta. Historical contingency via priority effects counteracts environmental change on metacommunity dynamics across decades. *Limnology and Oceanography*, 67(S1):S38–S53, February 2022. CODEN LIOCAH. ISSN 0024-3590.

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[GGR24] Keenan J. Ganz, Max R. Glines, and Kevin C. Rose. The distribution of depth, volume, and basin shape for lakes in the conterminous United States. *Limnology and Oceanography*, 69(1):22–36, January 2024. CODEN LIOCAH. ISSN 0024-3590.

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[GGS+21] Karine Gagnon, Camilla Gustafsson, Tiina Salo, Francesca Rossi, Sonja Gunell, J. Paul Richardson, Pamela L.

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[Gil22] John J. Gilbert. Food niches of planktonic rotifers: Diversification and implications. *Limnology and Oceanography*, 67(10):2218–2251, October 2022. CODEN LIOCAH. ISSN 0024-3590.

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[GK22] Alexis Lucas Norbert Guislain and Jan Köhler. From minute to day: Ecophysiological response of phytoplankton to fluctuating light exposure during vertical mixing. *Limnology and Oceanography*, 67(12):2809–2820, December 2022. CODEN LIOCAH. ISSN 0024-3590.

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[GKW+20] Marco Günthel, Isabell Klawonn, Jason Woodhouse, Mina Bižić, Danny Ionescu, Lars Ganzert, Steffen Kümmel, Ivonne Nijenhuis, Luca Zoccarato, Hans-Peter Grossart, and Kam W. Tang. Photosynthesis-driven methane production in oxic lake water as an important contributor to methane emission. *Limnology and Oceanography*, 65(12):2853–2865, December 2020. CODEN LIOCAH. ISSN 0024-3590.

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[GLAHH+23] Markel Gómez-Letona, Javier Arístegui, Nauzet Hernández-Hernández, María Pérez-Lorenzo, Xosé Antón Álvarez-Salgado, Eva Teira, and Marta Sebastián. Surface productivity gradients govern changes in the viability of deep

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[GLB+22] Camille M. Grimaldi, Ryan J. Lowe, Jessica A. Benthuysen, Michael V. W. Cuttler, Rebecca H. Green, Ben Radford, Nicole Ryan, and James Gilmour. Hydrodynamic drivers of fine-scale connectivity within a coral reef atoll. *Limnology and Oceanography*, 67(10):2204–2217, October 2022. CODEN LIOCAH. ISSN 0024-3590.

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[GLM+23] Federica Guerrini, Delphine Lobelle, Lorenzo Mari, Renato Casagrandi, and Erik van Sebille. Modeling carbon export mediated by biofouled microplastics in the Mediterranean Sea. *Limnology and Oceanography*, 68(5):1078–1090, May 2023. CODEN LIOCAH. ISSN 0024-3590.

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[GLN+20] Jessica C. Garwood, Andrew J. Lucas, Perry Naughton, Matthew H. Alford, Paul L. D. Roberts, Jules S. Jaffe, Laura deGelleke, and Peter J. S. Franks. A novel cross-shore transport mechanism revealed by subsurface, robotic larval mimics: Internal wave deformation of the background velocity field. *Limnology and Oceanography*, 65(7):1456–1470, July 2020. CODEN LIOCAH. ISSN 0024-3590.

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[GM22] Patricia M. Glibert and Aditee Mitra. From webs, loops, shunts, and pumps to microbial multitasking: Evolving concepts of marine microbial ecology, the mixoplankton paradigm, and implications for a future ocean. *Limnology and Oceanography*, 67(3):585–597, March 2022. CODEN LIOCAH. ISSN 0024-3590.

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[GMMW20] Hans-Peter Grossart, Ramon Massana, Katherine D. McMahon, and David A. Walsh. Linking metagenomics to aquatic microbial ecology and biogeochemical cycles. *Limnology and Oceanography*, 65(S1):S2–S20, January 2020. CODEN LIOCAH. ISSN 0024-3590.

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[GMNG+24] Guillaume Le Gland, Marta Masdeu-Navarro, Martí Galí, Sergio M. Vallina, Matti Gralka, Flora Vincent, Otto Cordero, Assaf Vardi, and Rafel Simó. Biological sources and sinks of dimethylsulfide disentangled by an induced bloom experiment and a numerical model. *Limnology and Oceanography*, 69(1):140–157, January 2024. CODEN LIOCAH. ISSN 0024-3590.

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[GMS21] Miriam Gerhard, Corinna Mori, and Maren Striebel. Nonrandom species loss in phytoplankton communities and its effect on ecosystem functioning. *Limnology and Oceanography*, 66(3):779–792, March 2021. CODEN LIOCAH. ISSN 0024-3590.

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[GNO22] Sven Gastauer, Catherine F. Nickels, and Mark D. Ohman. Body size- and season-dependent diel vertical migration of mesozooplankton resolved acoustically in the San Diego Trough. *Limnology and Oceanography*, 67(2):300–313, February 2022. CODEN LIOCAH. ISSN 0024-3590.

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[GÖA+23] Aurélie Garnier, Örjan Östman, Jenny Ask, Olivia Bell, Martin Berggren, Mayra P. D. Rulli, Hani Younes, and Magnus Huss. Coastal darkening exacerbates eutrophication symptoms through bottom-up and top-down control modification.

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[GPB+20] Jason Grear, Adam Pimenta, Harriet Booth, Doranne Borsay Horowitz, Wilson Mendoza, and Matthew Liebman. In situ recovery of bivalve shell characteristics after temporary exposure to elevated pCO_2. *Limnology and Oceanography*, 65(10):2337–2351, October 2020. CODEN LIOCAH. ISSN 0024-3590.

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[GPDA+20] Esther D. Goldstein, Jodi L. Pirtle, Janet T. Duffy-Anderson, William T. Stockhausen, Mark Zimmermann, Matthew T. Wilson, and Calvin W. Mordy. Eddy retention and seafloor terrain facilitate cross-shelf transport and delivery of fish larvae to suitable nursery habitats. *Limnology and Oceanography*, 66(10):2800–2818, November 2020. CODEN LIOCAH. ISSN 0024-3590.

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

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[GR24] Jessica Gould and Justin B. Ries. Linear extension and calcification rates in a cold-water, crustose coralline alga are modulated by temperature, light, and salinity. *Limnology and Oceanography*, 69(1):158–172, January 2024. CODEN LIOCAH. ISSN 0024-3590.

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

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

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[GSD+23] Adam T. Greer, Moritz S. Schmid, Patrick I. Duffy, Kelly L. Robinson, Mark A. Genung, Jessica Y. Luo, Thelma Panaïotis, Christian Briseño-Avena, Marc E. Frischer, Su Sponaugle, and Robert K. Cowen. In situ imaging across ecosystems to resolve the fine-scale oceanographic drivers of a globally significant planktonic grazer. *Limnology and Oceanography*, 68(1):192–207, January 2023. CODEN LIOCAH. ISSN 0024-3590.

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

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[GSG+21] Darren P. Giling, Peter A. Staehr, Hans Peter Grossart, Mikkel René Andersen, Bertram Boehrer, Carmelo Escot, Fatih Evrendilek, Lluís Gómez-Gener, Mark Honti, Ian D. Jones, Nusret Karakaya, Alo Laas, Enrique Moreno-Ostos, Karsten Rinke, Ulrike Scharfenberger, Silke R. Schmidt, Michael Weber, R. Iestyn Woolway, Jacob A. Zwart, and Biel Obrador. Corrigendum. *Limnology and Oceanography*, 62(3):2093, May 2021. CODEN LIOCAH. ISSN 0024-3590.

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

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[GTKW+20] Shany Gefen-Treves, Isaac Kedem, Gad Weiss, Dirk Wagner, Dan Tchernov, and Aaron Kaplan. Acclimation of a rocky shore algal reef builder *Neogoniolithon* sp. to changing illuminations. *Limnology and Oceanography*, 65(1):27–36, January 2020. CODEN LIOCAH. ISSN 0024-3590.

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

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

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

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

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

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

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

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

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[HBS+22] Søren Hallstrøm, Mar Benavides, Ellen R. Salamon, Clayton W. Evans, Lindsey J. Potts, Julie Granger, Craig R. Tobias, Pia H. Moisander, and Lasse Riemann. Pelagic N_2 fixation dominated by sediment diazotrophic communities in a shallow temperate estuary. *Limnology and Oceanography*, 67

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

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[HCB+22] Svenja Halfter, Emma L. Cavan, Philip Butterworth, Kerrie M. Swadling, and Philip W. Boyd. "Sinking dead" — how zooplankton carcasses contribute to particulate organic carbon flux in the subantarctic Southern Ocean. *Limnology and Oceanography*, 67(1):13–25, January 2022. CODEN LIOCAH. ISSN 0024-3590.

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[HCH+24] Elizabeth D. Hetherington, Hilary G. Close, Steven H. D. Haddock, Alejandro Damian-Serrano, Casey W. Dunn, Natalie J. Wallsgrove, Shannon C. Doherty, and C. Anela Choy. Vertical trophic structure and niche partitioning of gelatinous predators in a pelagic food web: Insights from stable isotopes of siphonophores. *Limnology and Oceanography*, 69 (4):902–919, April 2024. CODEN LIOCAH. ISSN 0024-3590.

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[HCNO+20] Kristen R. Hunter-Cevera, Michael G. Neubert, Robert J. Olson, Alexi Shalapyonok, Andrew R. Solow, and Heidi M. Sosik. Seasons of *Syn*. *Limnology and Oceanography*, 65(5): 1085–1102, May 2020. CODEN LIOCAH. ISSN 0024-3590.

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[HCS+21] James M. Hood, Lyndsie M. Collis, John D. Schade, Rebecca A. Stark, and Jacques C. Finlay. Longitudinal patterns and linkages in benthic fine particulate organic matter composition, respiration, and nutrient uptake. *Limnology and Oceanography*, 66(7):2684–2696, July 2021. CODEN LIOCAH. ISSN 0024-3590.

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[HDD+22] Helmut Hillebrand, Josie Antonucci Di Carvalho, Jan-Claas Dajka, Claus-Dieter Dürselen, Onur Kerimoglu, Lucie Kuczynski, Lena Rönn, and Alexey Ryabov. Temporal declines in Wadden Sea phytoplankton cell volumes observed within and across species. *Limnology and Oceanography*, 67 (2):468–481, February 2022. CODEN LIOCAH. ISSN 0024-3590.

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[HDK+21] Alysia E. Herr, John W. H. Dacey, Ronald P. Kiene, Ross D. McCulloch, Nina Schuback, and Philippe D. Tortell. Potential roles of dimethysulfoxide in regional sulfur cycling and phytoplankton physiological ecology in the NE Subarctic Pacific. *Limnology and Oceanography*, 66(1):76–94, January 2021. CODEN LIOCAH. ISSN 0024-3590.

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[HDS+20] Ruiping Huang, Jiancheng Ding, Jiazhen Sun, Yang Tian, Chris Bowler, Xin Lin, and Kunshan Gao. Physiological and molecular responses to ocean acidification among strains of a model diatom. *Limnology and Oceanography*, 66(6):2926–2936, December 2020. CODEN LIOCAH. ISSN 0024-3590.

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

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

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[HGA24] Alex Houston, Mark H. Garnett, and William E. N. Austin. Blue carbon additionality: New insights from the radiocarbon content of saltmarsh soils and their respired CO_2. *Lim-*

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[HGF+21] Nathan D. Hubot, Sarah L. C. Giering, Jessika Füssel, Julie Robidart, Antony Birchill, Mark Stinchcombe, Cynthia Dumousseaud, and Cathy H. Lucas. Evidence of nitrification associated with globally distributed pelagic jellyfish. *Limnology and Oceanography*, 66(6):2159–2173, June 2021. CODEN LIOCAH. ISSN 0024-3590.

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

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[HGMK22] Sabine Hilt, Hans-Peter Grossart, Daniel F. McGinnis, and Frank Keppler. Potential role of submerged macrophytes for oxic methane production in aquatic ecosystems. *Limnology and Oceanography*, 67(S2):S76–S88, November 2022. CODEN LIOCAH. ISSN 0024-3590.

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[HLH+23] Giannina S. I. Hattich, Luisa Listmann, Jonathan Havenhand, Thorsten B. H. Reusch, and Birte Matthiessen. Temporal variation in ecological and evolutionary contributions to phytoplankton functional shifts. *Limnology and Oceanography*, 68(2):297–306, February 2023. CODEN LIOCAH. ISSN 0024-3590.

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[HLKD23] Niels Hauksson, Christian B. Lewis, Tomoko Komada, and Ellen R. M. Druffel. Effect of marine sediment on the phase partitioning and isotopic content of riverine DOC. *Limnology and Oceanography*, 68(9):2008–2021, September 2023. CODEN LIOCAH. ISSN 0024-3590.

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[HLPT20] Jenny R. Hillman, Carolyn J. Lundquist, Conrad A. Pilditch, and Simon F. Thrush. The role of large macrofauna in mediating sediment erodibility across sedimentary habitats. *Limnology and Oceanography*, 65(4):683–693, April 2020. CODEN LIOCAH. ISSN 0024-3590.

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[HLS+22] Nia R. Hurst, Bryan Locher, Havalend E. Steinmuller, Linda J. Walters, and Lisa G. Chambers. Organic carbon dynamics and microbial community response to oyster reef restoration. *Limnology and Oceanography*, 67(5):1157–1168, May 2022. CODEN LIOCAH. ISSN 0024-3590.

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

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

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[HMM+22] Justyna J. Hampel, Rachel D. Moseley, Rachel L. Mugge, Anirban Ray, Melanie Damour, Douglas Jones, and Leila J. Hamdan. Deep-sea wooden shipwrecks influence sediment microbiome diversity. *Limnology and Oceanography*, 67(2): 482–497, February 2022. CODEN LIOCAH. ISSN 0024-3590.

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

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

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

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

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[HPF+23] Audra Hinson, Spiro Papoulis, Lucas Fiet, Margaret Knight, Priscilla Cho, Brielle Szeltner, Ioannis Sgouralis, and David Talmy. A model of algal-virus population dynamics reveals

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[HPNU20] Peter Holtermann, Ralf Prien, Michael Naumann, and Lars Umlauf. Interleaving of oxygenized intrusions into the Baltic Sea redoxcline. *Limnology and Oceanography*, 65(3):482–503, March 2020. CODEN LIOCAH. ISSN 0024-3590.

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[HRK+22] Sebastian Haas, Subhadeep Rakshit, Tim Kalvelage, Carolyn Buchwald, Christopher K. Algar, and Douglas W. R. Wallace. Characterization of nitrogen isotope fractionation during nitrification based on a coastal time series. *Limnology and Oceanography*, 67(8):1714–1731, August 2022. CODEN LIOCAH. ISSN 0024-3590.

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[HS21] Allison R. Hrycik and Jason D. Stockwell. Under-ice mesocosms reveal the primacy of light but the importance of zooplankton in winter phytoplankton dynamics. *Limnology and Oceanography*, 66(2):481–495, February 2021. CODEN LIOCAH. ISSN 0024-3590.

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[HSD+20] Daniel R. Hoer, William Sharp, Gabriel Delgado, Niels L. Lindquist, and Christopher S. Martens. Sponges represent a major source of inorganic nitrogen in Florida Bay (U.S.A.). *Limnology and Oceanography*, 65(6):1235–1250, June 2020. CODEN LIOCAH. ISSN 0024-3590.

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[hTRH20] Sing how Tuo, Irene B. Rodriguez, and Tung-Yuan Ho. H_2 accumulation and N_2 fixation variation by Ni limitation in *Cyanothece*. *Limnology and Oceanography*, 65(2):377–386, February 2020. CODEN LIOCAH. ISSN 0024-3590.

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[HTSG21] Peter J. Hernes, Suzanne E. Tank, Mikael K. Sejr, and Ronnie N. Glud. Element cycling and aquatic function in a changing Arctic. *Limnology and Oceanography*, 66(S1):S1–S16, February 2021. CODEN LIOCAH. ISSN 0024-3590.

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[HZC+24] Cecilia E. Heuvel, Yingming Zhao, Jan J. H. Ciborowski, Li Wang, Emilee Mancini, and Aaron T. Fisk. The influence of environmental parameters on spatial variation in zoobenthic density and stable isotopes (δ ^{13}C, δ ^{15}N, and δ ^{34}S) within a large lake. *Limnology and Oceanography*, 69(1):173–188, January 2024. CODEN LIOCAH. ISSN 0024-3590.

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[IKN+21] Takahito Ikenoue, Katsunori Kimoto, Yuriko Nakamura, Kjell R. Bjørklund, Naoki Kuramoto, Masaaki Ueki, Yuichi Ota, Jonaotaro Onodera, Naomi Harada, Makio C. Honda, Miyako Sato, Eiji Watanabe, Motoyo Itoh, Shigeto Nishino,

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

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

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[JHS+21] Mildred Jessica Johnson, Laura Margarethe Hennigs, Yvonne Sawall, Christian Pansch, and Marlene Wall. Growth re-

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[JHSG+24] Meijia Jiang, Jason M. Hall-Spencer, Lin Gao, Zengling Ma, and Guang Gao. Nitrogen availability regulates the effects of a simulated marine heatwave on carbon sequestration and phycosphere bacteria of a marine crop. *Limnology and Oceanography*, 69(2):339–354, February 2024. CODEN LIOCAH. ISSN 0024-3590.

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

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[JLR+22] Roberta Johnson, Gerald Langer, Sergio Rossi, Ian Probert, Marta Mammone, and Patrizia Ziveri. Nutritional response of a coccolithophore to changing pH and temperature. *Limnology and Oceanography*, 67(10):2309–2324, October 2022. CODEN LIOCAH. ISSN 0024-3590.

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[JSL+23] Winifred M. Johnson, Melissa C. Kido Soule, Krista Longnecker, Maya P. Bhatia, Steven J. Hallam, Michael W. Lomas, and Elizabeth B. Kujawinski. Particulate and dissolved metabolite distributions along a latitudinal transect of the western Atlantic Ocean. *Limnology and Oceanography*, 68 (2):377–393, February 2023. CODEN LIOCAH. ISSN 0024-3590.

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[JSPS24] Lara S. Jansen, Daniel Sobota, Yangdong Pan, and Angela L. Strecker. Watershed, lake, and food web factors influence

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[JvKvT+20] Rebecca K. James, Marieke M. van Katwijk, Brigitta I. van Tussenbroek, Tjisse van der Heide, Henk A. Dijkstra, René M. van Westen, Julie D. Pietrzak, Adam S. Candy, Roland Klees, Riccardo E. M. Riva, Cornelis D. Slobbe, Caroline A. Katsman, Peter M. J. Herman, and Tjeerd J. Bouma. Water motion and vegetation control the pH dynamics in seagrass-dominated bays. *Limnology and Oceanography*, 65 (2):349–362, February 2020. CODEN LIOCAH. ISSN 0024-3590.

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[JWAvD+22] Hannah L. Joy-Warren, Anne-Carlijn Alderkamp, Gert L. van Dijken, Loay J. Jabre, Erin M. Bertrand, Evan N. Baldonado, Molly W. Glickman, Kate M. Lewis, Rob Middag, Kyyas Seyitmuhammedov, Kate E. Lowry, Willem van de Poll, and Kevin R. Arrigo. Springtime phytoplankton responses to light and iron availability along the western Antarctic Peninsula. *Limnology and Oceanography*, 67(4): 800–815, April 2022. CODEN LIOCAH. ISSN 0024-3590.

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[JYA21] Aidin Jabbari, Kazutaka Yanase, and Josef D. Ackerman. A spanwise oscillating plate in a crossflow: Implication for mass transfer and locomotion. *Limnology and Oceanography*, 66(9):3393–3407, September 2021. CODEN LIOCAH. ISSN 0024-3590.

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[KDW+23] Tania M. Kenyon, Christopher Doropoulos, Kennedy Wolfe, Gregory E. Webb, Sophie Dove, Daniel Harris, and Peter J. Mumby. Coral rubble dynamics in the Anthropocene and implications for reef recovery. *Limnology and Oceanography*, 68(1):110–147, January 2023. CODEN LIOCAH. ISSN 0024-3590.

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[KDZ+24] Melina Knoke, Thorsten Dittmar, Oliver Zielinski, Morimaru Kida, Nils E. Asp, Carlos Eduardo de Rezende, Bernhard Schnetger, and Michael Seidel. Outwelling of reduced porewater drives the biogeochemistry of dissolved organic matter and trace metals in a major mangrove-fringed estuary in Amazonia. *Limnology and Oceanography*, 69(2):262–278, February 2024. CODEN LIOCAH. ISSN 0024-3590.

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[KFHS24] Lesley B. Knoll, Benton Fry, Nicole M. Hayes, and Hailey M. Sauer. Reduced snow and increased nutrients show enhanced ice-associated photoautotrophic growth using a modified experimental under-ice design. *Limnology and Oceanography*, 69(1):203–216, January 2024. CODEN LIOCAH. ISSN 0024-3590.

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[KGG+23] Erin H. Kunisch, Martin Graeve, Rolf Gradinger, Hauke Flores, Øystein Varpe, and Bodil A. Bluhm. What we do in the dark: Prevalence of omnivorous feeding activity in Arctic zooplankton during polar night. *Limnology and Oceanography*, 68(8):1835–1851, August 2023. CODEN LIOCAH. ISSN 0024-3590.

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[KHB22] Julie E. Keister, BethElLee Herrmann, and Julia Bos. Zooplankton composition links to climate and salmon survival in a northern temperate fjord. *Limnology and Oceanography*, 67(11):2389–2404, November 2022. CODEN LIOCAH. ISSN 0024-3590.

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[KHCG+22] Johannes Renke Krause, Alejandro Hinojosa-Corona, Andrew B. Gray, Juan Carlos Herguera, Julianna McDonnell, Michael V. Schaefer, Samantha C. Ying, and Elizabeth Burke Watson. Beyond habitat boundaries: Organic matter cycling requires a system-wide approach for accurate blue carbon accounting. *Limnology and Oceanography*, 67(S2):S6–S18, November 2022. CODEN LIOCAH. ISSN 0024-3590.

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[KHK+22] Sandra Kammann, Daniel Arturo Saavedra Hortua, John S. Kominoski, Theresa-Marie Fett, and Lucy Gwen Gillis. Understanding how nutrient limitation and plant traits influence

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

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

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

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[KKP+21] Joshua D. Kling, Kyla J. Kelly, Sophia Pei, Tatiana A. Rynearson, and David A. Hutchins. Irradiance modulates thermal niche in a previously undescribed low-light and cold-adapted nano-diatom. *Limnology and Oceanography*, 66(6): 2266–2277, June 2021. CODEN LIOCAH. ISSN 0024-3590.

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[KL22] Marja Koski and Fabien Lombard. Functional responses of aggregate-colonizing copepods. *Limnology and Oceanography*, 67(9):2059–2072, September 2022. CODEN LIOCAH. ISSN 0024-3590.

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[KLG+23] Doreen Kohlbach, Benoit Lebreton, Gaël Guillou, Anette Wold, Haakon Hop, Martin Graeve, and Philipp Assmy. Dependency of Arctic zooplankton on pelagic food sources: New insights from fatty acid and stable isotope analyses. *Limnology and Oceanography*, 68(10):2346–2358, October 2023. CODEN LIOCAH. ISSN 0024-3590.

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[KLO23] Mati Kahru, Zhongping Lee, and Mark D. Ohman. Multidecadal changes in ocean transparency: Decrease in a coastal upwelling region and increase offshore. *Limnology and Oceanography*, 68(7):1546–1556, July 2023. CODEN LIOCAH. ISSN 0024-3590.

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[KLP23] Liangliang Kong, Meizhen Li, and Neil M. Price. The influence of light on the availability of photoreactive and photostable iron(III)–ligand complexes to diatoms. *Limnology and Oceanography*, 68(5):1091–1104, May 2023. CODEN LIOCAH. ISSN 0024-3590.

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

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[KMV+20] Riss M. Kellogg, Matthew R. McIlvin, Jagruti Vedamati, Benjamin S. Twining, James W. Moffett, Adrian Marchetti, Dawn M. Moran, and Mak A. Saito. Efficient zinc/cobalt inter-replacement in northeast Pacific diatoms and relationship to high surface dissolved Co : Zn ratios. *Limnology and Oceanography*, 65(11):2557–2582, November 2020. CODEN LIOCAH. ISSN 0024-3590.

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[KNG+23] Erik C. Krieger, Wendy A. Nelson, Johan Grand, Eric C. Le Ru, Sarah J. Bury, Amelie Cossais, Simon K. Davy, and Christopher E. Cornwall. The role of irradiance in controlling coralline algal calcification. *Limnology and Oceanography*, 68 (6):1269–1284, June 2023. CODEN LIOCAH. ISSN 0024-3590.

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[KOR+20] Kasia M. Kenitz, Eric C. Orenstein, Paul L. D. Roberts, Peter J. S. Franks, Jules S. Jaffe, Melissa L. Carter, and Andrew D. Barton. Environmental drivers of population variability in colony-forming marine diatoms. *Limnology and*

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[KP20] Liangliang Kong and Neil M. Price. A reduction-dependent copper uptake pathway in an oceanic diatom. *Limnology and Oceanography*, 65(3):601–611, March 2020. CODEN LIOCAH. ISSN 0024-3590.

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

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

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

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

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[KPS21] Gulce Kurtay, Hans J. Prevost, and Beth A. Stauffer. Pico- and nanoplankton communities on a near to offshore tran-

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[KRB+21] Norbert Kamjunke, Michael Rode, Martina Baborowski, Julia Vanessa Kunz, Jakob Zehner, Dietrich Borchardt, and Markus Weitere. High irradiation and low discharge promote the dominant role of phytoplankton in riverine nutrient dynamics. *Limnology and Oceanography*, 66(7):2648–2660, July 2021. CODEN LIOCAH. ISSN 0024-3590.

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[KRC23] Jenan J. Kharbush, Rebecca S. Robinson, and Susan J. Carter. Patterns in sources and forms of nitrogen in a large eutrophic lake during a cyanobacterial harmful algal bloom. *Limnology and Oceanography*, 68(4):803–815, April 2023. CODEN LIOCAH. ISSN 0024-3590.

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[KRM+20] Matthias Kreuzburg, Fereidoun Rezanezhad, Tatjana Milojevic, Maren Voss, Lennart Gosch, Susanne Liebner, Philippe Van Cappellen, and Gregor Rehder. Carbon release and transformation from coastal peat deposits controlled by submarine groundwater discharge: a column experiment study. *Limnology and Oceanography*, 65(5):1116–1135, May 2020. CODEN LIOCAH. ISSN 0024-3590.

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[KSF+23] Celyn L. L. Khoo, Rachel E. Sipler, Sally J. M. Faulkner, Sean G. Boyd, Maryam Beheshti Foroutani, Colleen E. McBride, and Susan E. Ziegler. Size fractionated biogeochemical constituents across adjacent coastal systems informs approaches for integrating small catchment studies into regional models. *Limnology and Oceanography*, 68(6):1285–1300, June 2023. CODEN LIOCAH. ISSN 0024-3590.

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[KSH+23] McKenzie A. Kuhn, Megan Schmidt, Liam Heffernan, Jördis Stührenberg, Klaus-Holger Knorr, Cristian Estop-Aragonés, Tanja Broder, Regina Gonzalez Moguel, Peter M. J. Douglas, and David Olefeldt. High ebullitive, millennial-aged greenhouse gas emissions from thermokarst expansion of peatland

lakes in boreal western Canada. *Limnology and Oceanography*, 68(2):498–513, February 2023. CODEN LIOCAH. ISSN 0024-3590.

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

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[KSN+21] Maiko Kagami, Kensuke Seto, Daiki Nozaki, Takaki Nakamura, Hirano Wakana, and Christian Wurzbacher. Single dominant diatom can host diverse parasitic fungi with different degree of host specificity. *Limnology and Oceanography*, 66(3):667–677, March 2021. CODEN LIOCAH. ISSN 0024-3590.

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[KSR20] Daniel Koestner, Dariusz Stramski, and Rick A. Reynolds. Assessing the effects of particle size and composition on light scattering through measurements of size-fractionated seawater samples. *Limnology and Oceanography*, 65(1):173–190, January 2020. CODEN LIOCAH. ISSN 0024-3590.

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[KTA+21] Patrick T. Kelly, Jason M. Taylor, Isabelle M. Andersen, Jasmine Stovall, and J. Thad Scott. Highest primary production achieved at high nitrogen levels despite strong stoichiometric imbalances with phosphorus in hypereutrophic experimental systems. *Limnology and Oceanography*, 66(12):4375–4390, December 2021. CODEN LIOCAH. ISSN 0024-3590.

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[KTH+21] Nobuo Kokubun, Yukiko Tanabe, Daisuke Hirano, Vigan Mensah, Takeshi Tamura, Shigeru Aoki, and Akinori Takahashi. Shoreward intrusion of oceanic surface waters alters physical and biological ocean structures on the Antarctic continental shelf during winter: Observations from instrumented seals. *Limnology and Oceanography*, 66(10):3740–3753, October 2021. CODEN LIOCAH. ISSN 0024-3590.

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[KTWGT20] Dorothee M. Kottmeier, Anja Terbrüggen, Dieter A. Wolf-Gladrow, and Silke Thoms. Diel variations in cell division and biomass production of *Emiliania huxleyi* — consequences for the calculation of physiological cell parameters. *Limnology and Oceanography*, 65(8):1781–1800, August 2020. CODEN LIOCAH. ISSN 0024-3590.

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[KVKS22] Marcus Klaus, Hendricus A. Verheijen, Jan Karlsson, and David A. Seekell. Depth and basin shape constrain ecosystem metabolism in lakes dominated by benthic primary producers. *Limnology and Oceanography*, 67(12):2763–2778, December 2022. CODEN LIOCAH. ISSN 0024-3590.

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

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[KWS+21] Jan F. Kleint, Yannic Wellach, Moritz Schroll, Frank Keppler, and Margot Isenbeck-Schröter. The impact of seasonal sulfate–methane transition zones on methane cycling in a sulfate-enriched freshwater environment. *Limnology and Oceanography*, 66(6):2290–2308, June 2021. CODEN LIOCAH. ISSN 0024-3590.

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[KX22] Xinyi Kang and Meng Xia. Stratification variability in a lagoon system in response to a passing storm. *Limnology and Oceanography*, 67(2):511–521, February 2022. CODEN LIOCAH. ISSN 0024-3590.

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[LAB+22] Catherine E. Lovelock, M. Fernanda Adame, Don W. Butler, Jeffrey J. Kelleway, Sabine Dittmann, Benedikt Fest, Karen J. King, Peter I. Macreadie, Katherine Mitchell, Mark Newnham, Anne Ola, Christopher J. Owers, and Nina Welti. Modeled approaches to estimating blue carbon accumulation with mangrove restoration to support a blue carbon accounting method for Australia. *Limnology and Oceanography*, 67

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[LABM20] Alexandra M. Linz, Frank O. Aylward, Stefan Bertilsson, and Katherine D. McMahon. Time-series metatranscriptomes reveal conserved patterns between phototrophic and heterotrophic microbes in diverse freshwater systems. *Limnology and Oceanography*, 65(S1):S101–S112, January 2020. CODEN LIOCAH. ISSN 0024-3590.

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

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

Lopez-Acosta:2022:SCS

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

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

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[LBG+22] Anna Lichtschlag, Ulrike Braeckman, Katja Guilini, Soeren Ahmerkamp, Rachael H. James, and Dirk de Beer. Impact of

shallow-water hydrothermal seepage on benthic biogeochemical cycling, nutrient availability, and meiobenthic communities in a tropical coral reef. *Limnology and Oceanography*, 67(3):567–584, March 2022. CODEN LIOCAH. ISSN 0024-3590.

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

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[LBL+24] Haoran Liu, Thomas J. Browning, Edward A. Laws, Yibin Huang, Lei Wang, Yiwei Shang, Xiaogang Xing, Kuanbo Zhou, Zong-Pei Jiang, Xin Liu, Bangqin Huang, and Minhan Dai. Stimulation of small phytoplankton drives enhanced sinking particle formation in a subtropical ocean eddy. *Limnology and Oceanography*, 69(4):834–847, April 2024. CODEN LIOCAH. ISSN 0024-3590.

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

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

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

Laurenceau-Cornec:2020:NGA

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

Liu:2020:CGA

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

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

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[LD22] Sinikka T. Lennartz and Thorsten Dittmar. Controls on turnover of marine dissolved organic matter — testing the null hypothesis of purely concentration-driven uptake: Comment on Shen and Benner, "Molecular properties are a primary control on the microbial utilization of dissolved organic matter in the ocean". *Limnology and Oceanography*, 67(3): 673–679, March 2022. CODEN LIOCAH. ISSN 0024-3590. See [SB20, SB22].

Liu:2020:PFP

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

Levine:2021:AVS

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

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

Leiva-Duenas:2024:RSD

[LDGB+24] Carmen Leiva-Dueñas, Anna Elizabeth Løvgren Graversen, Gary T. Banta, Jeppe Najbjerg Hansen, Marie Louise Kjærgaard Schrøter, Pere Masqué, Marianne Holmer, and Dorte Krause-Jensen. Region-specific drivers cause low organic carbon stocks and sequestration rates in the saltmarsh soils of southern Scandinavia. *Limnology and Oceanography*, 69(2): 290–308, February 2024. CODEN LIOCAH. ISSN 0024-3590.

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

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[LEB21] Elena Litchman, Kyle F. Edwards, and Philip W. Boyd. Toward trait-based food webs: Universal traits and trait matching in planktonic predator–prey and host–parasite relationships. *Limnology and Oceanography*, 66(11):3857–3872, November 2021. CODEN LIOCAH. ISSN 0024-3590.

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[LEK+22] James H. Larson, Mary Anne Evans, Robert J. Kennedy, Sean W. Bailey, Keith A. Loftin, Zachary R. Laughrey, Robin A. Femmer, Jeff S. Schaeffer, William B. Richardson, Timothy T. Wynne, J. C. Nelson, and Joseph W. Duris. Corrigendum: Associations between cyanobacteria and indices of secondary production in the western basin of Lake Erie. *Limnology and Oceanography*, 67(11):2617–2620, November 2022. CODEN LIOCAH. ISSN 0024-3590.

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[Lem20] Ulrich Lemmin. Insights into the dynamics of the deep hypolimnion of Lake Geneva as revealed by long-term temperature, oxygen, and current measurements. *Limnology and Oceanography*, 65(9):2092–2107, September 2020. CODEN LIOCAH. ISSN 0024-3590.

Li:2021:PGE

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

LeMezo:2021:FIP

[LG21] Priscilla K. Le Mézo and Eric D. Galbraith. The fecal iron pump: Global impact of animals on the iron stoichiometry of marine sinking particles. *Limnology and Oceanography*, 66 (1):201–213, January 2021. CODEN LIOCAH. ISSN 0024-3590.

Liu:2022:BAF

[LGF22] Zezheng Liu, Olivier Gourgue, and Sergio Fagherazzi. Biotic and abiotic factors control the geomorphic characteristics of

channel networks in salt marshes. *Limnology and Oceanography*, 67(1):89–101, January 2022. CODEN LIOCAH. ISSN 0024-3590.

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

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[LGQ+21] Camilla Liénart, Andrius Garbaras, Susanne Qvarfordt, Anton Öberg Sysoev, Helena Höglander, Jakob Walve, Ellen Schagerström, Johan Eklöf, and Agnes Ml Karlson. Long-term changes in trophic ecology of blue mussels in a rapidly changing ecosystem. *Limnology and Oceanography*, 66(3): 694–710, March 2021. CODEN LIOCAH. ISSN 0024-3590.

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

Morganti:2020:TNS

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

Marin-Diaz:2020:REB

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

Mayfield:2022:SCC

[MDDL22] Roseanna J. Mayfield, John A. Dearing, C. Patrick Doncaster, and Peter G. Langdon. Stability of chironomid community structure during historic climatic and environmental

change in subarctic Alaska. *Limnology and Oceanography*, 67(S1):S444–S460, February 2022. CODEN LIOCAH. ISSN 0024-3590.

Moskovich:2023:HVE

[MDIY23] Raz Moskovich, Rei Diga, Micha Ilan, and Gitai Yahel. High variability and enhanced nocturnal oxygen uptake in coral reef sponges. *Limnology and Oceanography*, 68(7):1517–1529, July 2023. CODEN LIOCAH. ISSN 0024-3590.

Martin:2023:SSR

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

McNally:2022:PEE

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

Mariotti:2020:MAO

[MEQBV20] G. Mariotti, T. Elsey-Quirk, G. Bruno, and K. Valentine. Mud-associated organic matter and its direct and indirect role in marsh organic matter accumulation and vertical accretion. *Limnology and Oceanography*, 66(10):2627–2641, November 2020. CODEN LIOCAH. ISSN 0024-3590.

Moran:2022:OLD

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

Mahdiyan:2021:DWQ

[MFM+21] Octavia Mahdiyan, Alessandro Filazzola, Lewis A. Molot, Derek Gray, and Sapna Sharma. Drivers of water quality changes within the Laurentian Great Lakes region over the past 40 years. *Limnology and Oceanography*, 66(1):237–254, January 2021. CODEN LIOCAH. ISSN 0024-3590.

Moreno:2020:IEI

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

Musan:2024:IEC

[MGG+24] Israela Musan, Hezi Gildor, Thomas Gonsiorczyk, Hans-Peter Grossart, and Boaz Luz. Isotope effects of O_2 consumption in a deep lake as means for understanding partitioning of O_2 demand among microorganisms, particles, and sediment. *Limnology and Oceanography*, 69(4):992–1004, April 2024. CODEN LIOCAH. ISSN 0024-3590.

Myrstener:2021:NIS

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

Mwanake:2022:BSE

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

Maisonneuve:2022:BPR

[MGL22] Philippe Maisonneuve, François Guillemette, and Jean-François Lapierre. Biological and photochemical reactivity of

dissolved organic matter in a large temperate river. *Limnology and Oceanography*, 67(6):1388–1401, June 2022. CODEN LIOCAH. ISSN 0024-3590.

Marchini:2021:DPI

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

McInerney:2023:SFA

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

Martiny:2022:MPR

[MHD+22] Adam C. Martiny, George I. Hagstrom, Tim DeVries, Robert T. Letscher, Gregory L. Britten, Catherine A. Garcia, Eric Galbraith, David Karl, Simon A. Levin, Michael W. Lomas, Allison R. Moreno, David Talmy, Weilei Wang, and Katsumi Matsumoto. Marine phytoplankton resilience may moderate oligotrophic ecosystem responses and biogeochemical feedbacks to climate change. *Limnology and Oceanography*, 67(S1):S378–S389, February 2022. CODEN LIOCAH. ISSN 0024-3590.

Medeiros:2021:SSD

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

Maciute:2023:RIM

[MHG+23] Adele Maciute, Oleksandr Holovachov, Ronnie N. Glud, Elias Broman, Peter Berg, Francisco J. A. Nascimento, and Stefano Bonaglia. Reconciling the importance of meiofauna

respiration for oxygen demand in muddy coastal sediments. *Limnology and Oceanography*, 68(8):1895–1905, August 2023. CODEN LIOCAH. ISSN 0024-3590.

McInerney:2020:BRQ

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

Molina-Hernandez:2022:CRE

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

Monteiro:2023:SVD

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

Mosquera:2022:COB

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

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

Meysick:2022:CEE

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

Mojib:2020:CTS

[MK20] Nazia Mojib and Julia Kubanek. Comparative transcriptomics supports the presence of G protein-coupled receptor-based signaling in unicellular marine eukaryotes. *Limnology and Oceanography*, 65(4):762–774, April 2020. CODEN LIOCAH. ISSN 0024-3590.

Miller:2021:SBF

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

Meyer-Kaiser:2019:RAD

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

Muth:2022:HFP

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

Maszczyk:2024:THD

[MKL+24] Piotr Maszczyk, Karol Krajewski, Konrad Leniowski, Szymon Pukos, Julia Wawrzeńczak, Wojciech Wilczynski, Marcin Lukasz Zebrowski, Jae-Seong Lee, and Ewa Babkiewicz. Temperature and hypoxia-driven shifts in *Daphnia* interspecific competition. *Limnology and Oceanography*,

69(3):576–588, March 2024. CODEN LIOCAH. ISSN 0024-3590.

Mueller:2023:MSM

[MKM+23] Peter Mueller, Lars Kutzbach, Thomas J. Mozdzer, Emil Jespersen, Donald C. Barber, and Franziska Eller. Minerogenic salt marshes can function as important inorganic carbon stores. *Limnology and Oceanography*, 68(4):942–952, April 2023. CODEN LIOCAH. ISSN 0024-3590.

Michoud:2023:UFD

[MKP+23] Grégoire Michoud, Tyler J. Kohler, Hannes Peter, Jade Brandani, Susheel Banu Busi, and Tom J. Battin. Unexpected functional diversity of stream biofilms within and across proglacial floodplains despite close spatial proximity. *Limnology and Oceanography*, 68(9):2183–2194, September 2023. CODEN LIOCAH. ISSN 0024-3590.

Martini:2021:FTB

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

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[MLC+21] Shin-Ichiro S. Matsuzaki, Richard C. Lathrop, Stephen R. Carpenter, Jake R. Walsh, M. Jake Vander Zanden, Mark R. Gahler, and Emily H. Stanley. Climate and food web effects on the spring clear-water phase in two north-temperate eutrophic lakes. *Limnology and Oceanography*, 66(1):30–46, January 2021. CODEN LIOCAH. ISSN 0024-3590.

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[MLG+20] Philippe-Israël Morin, Thomas Lacour, Pierre-Luc Grondin, Flavienne Bruyant, Joannie Ferland, Marie-Hélène Forget, Philippe Massicotte, Natalie Donaher, Douglas A. Campbell, Johann Lavaud, and Marcel Babin. Response of the sea-ice diatom *Fragilariopsis cylindrus* to simulated polar night

darkness and return to light. *Limnology and Oceanography*, 65(5):1041–1060, May 2020. CODEN LIOCAH. ISSN 0024-3590.

Malkin:2022:CCS

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

Moon:2021:ANC

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

Marshall:2021:FIR

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

McGeady:2021:SLP

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

Mayers:2021:RLV

[MLS+21] Kyle Michael James Mayers, Janice Lawrence, Katrine Sandnes Skaar, Joachim Paul Töpper, Elzbieta Petelenz, Marius Rydningen Saltvedt, Ruth-Anne Sandaa, Aud Larsen, Gunnar Bratbak, and Jessica Louise Ray. Removal of large viruses and their dispersal through fecal pellets of the appendicularian *Oikopleura dioica* during *Emiliania huxleyi* bloom

conditions. *Limnology and Oceanography*, 66(11):3963–3975, November 2021. CODEN LIOCAH. ISSN 0024-3590.

Monferrer:2021:RSR

[MLT+21] Natalia Llopis Monferrer, Aude Leynaert, Paul Tréguer, Andrés Gutiérrez-Rodríguez, Brivaela Moriceau, Morgane Gallinari, Mikel Latasa, Stéphane L'Helguen, Jean-François Maguer, Karl Safi, Matthew H. Pinkerton, and Fabrice Not. Role of small Rhizaria and diatoms in the pelagic silica production of the Southern Ocean. *Limnology and Oceanography*, 66(6):2187–2202, June 2021. CODEN LIOCAH. ISSN 0024-3590.

Marrec:2021:SVP

[MMF+21] Pierre Marrec, Heather McNair, Gayantonia Franzè, Françoise Morison, Jacob P. Strock, and Susanne Menden-Deuer. Seasonal variability in planktonic food web structure and function of the Northeast U.S. Shelf. *Limnology and Oceanography*, 65(3):1440–1458, April 2021. CODEN LIOCAH. ISSN 0024-3590.

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[MMG+21] Heather M. McNair, Françoise Morison, Jason R. Graff, Tatiana A. Rynearson, and Susanne Menden-Deuer. Microzooplankton grazing constrains pathways of carbon export in the subarctic North Pacific. *Limnology and Oceanography*, 66(7): 2697–2711, July 2021. CODEN LIOCAH. ISSN 0024-3590.

Manko:2022:AAR

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

Medellin-Maldonado:2022:UCD

[MMLPRHCG22] Francisco Medellín-Maldonado, Andrés López-Pérez, Leopoldo Ruiz-Huerta, and Juan P. Carricart-Ganivet. Understanding corallite demography to comprehend potential bias in sclerochronology: Analysis of coral modular growth by microcomputed tomography. *Limnology and Oceanography*, 67 (12):2665–2676, December 2022. CODEN LIOCAH. ISSN 0024-3590.

Moller:2020:BAZ

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

Mansour:2021:CNC

[MNM+21] Joost Samir Mansour, Andreas Norlin, Natalia Llopis Monferrer, Stéphane L'Helguen, and Fabrice Not. Carbon and nitrogen content to biovolume relationships for marine protist of the Rhizaria lineage (Radiolaria and Phaeodaria). *Limnology and Oceanography*, 66(5):1703–1717, May 2021. CODEN LIOCAH. ISSN 0024-3590.

Myrstener:2021:LTD

[MNMJ+21] Erik Myrstener, Sofia Ninnes, Carsten Meyer-Jacob, Tim Mighall, and Richard Bindler. Long-term development and trajectories of inferred lake-water organic carbon and pH in naturally acidic boreal lakes. *Limnology and Oceanography*, 66(6):2408–2422, June 2021. CODEN LIOCAH. ISSN 0024-3590.

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[MO23] Stephanie A. Matthews and Mark D. Ohman. A space-for-time framework for forecasting the effects of ocean stratification on zooplankton vertical habitat use and trait composition. *Limnology and Oceanography*, 68(12):2688–2702, December 2023. CODEN LIOCAH. ISSN 0024-3590.

Meyer:2022:ESH

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

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[MP23] Alexander B. Michaud and John C. Priscu. Sediment oxygen consumption in Antarctic subglacial environments. *Limnol-*

ogy and Oceanography, 68(7):1557–1566, July 2023. CODEN LIOCAH. ISSN 0024-3590.

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

Maggioni:2024:WAS

[MRC+24] Federica Maggioni, Patrick Raimbault, Olivier Chateau, Mireille Pujo-Pay, Yves Letourneur, and Riccardo Rodolfo-Metalpa. Warm-adapted sponges resist thermal stress by reallocating carbon and nitrogen resources from cell turnover to somatic growth. *Limnology and Oceanography*, 69(4):976–991, April 2024. CODEN LIOCAH. ISSN 0024-3590.

Merder:2021:DOC

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

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

Moreno:2024:HTI

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

Minguez:2020:CFC

[MSB+20] Laetitia Minguez, Erik Sperfeld, Stella A. Berger, Jens C. Nejstgaard, and Mark O. Gessner. Changes in food characteristics reveal indirect effects of Lake Browning on zooplankton performance. *Limnology and Oceanography*, 65(5): 1028–1040, May 2020. CODEN LIOCAH. ISSN 0024-3590.

Mdutyana:2022:KAU

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

Mason:2023:PDC

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

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[MSG+22] Melissa Meléndez, Joseph Salisbury, Dwight Gledhill, Chris Langdon, Julio M. Morell, Derek Manzello, and Adrienne Sutton. Net ecosystem dissolution and respiration dominate metabolic rates at two western Atlantic reef sites. *Limnology and Oceanography*, 67(3):527–539, March 2022. CODEN LIOCAH. ISSN 0024-3590.

Maturana:2020:ESS

[MSGW+20] Claudia S. Maturana, Nicolás I. Segovia, Claudio A. González-Wevar, Angie Díaz, Sebastián Rosenfeld, Elie Poulin, Jennifer A. Jackson, and Peter Convey. Evidence of strong small-scale population structure in the Antarctic freshwater copepod *Boeckella poppei* in lakes on Signy Island, South Orkney Islands. *Limnology and Oceanography*, 65(9):2024–2040, September 2020. CODEN LIOCAH. ISSN 0024-3590.

Moon:2021:SIC

[MSJ21] David L. Moon, J. Thad Scott, and Tom R. Johnson. Stoichiometric imbalances complicate prediction of phytoplankton biomass in U.S. lakes: Implications for nutrient criteria. *Limnology and Oceanography*, 66(8):2967–2978, August 2021. CODEN LIOCAH. ISSN 0024-3590.

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[MSL21] Keir J. Macartney, Marc Slattery, and Michael P. Lesser. Trophic ecology of Caribbean sponges in the mesophotic zone. *Limnology and Oceanography*, 66(4):1113–1124, April 2021. CODEN LIOCAH. ISSN 0024-3590.

McNabb:2023:OCS

[MT23] Brandon J. McNabb and Philippe D. Tortell. Oceanographic controls on Southern Ocean dimethyl sulfide distributions revealed by machine learning algorithms. *Limnology and Oceanography*, 68(3):616–630, March 2023. CODEN LIOCAH. ISSN 0024-3590.

Maszczyk:2021:DDS

[MTB+21] Piotr Maszczyk, Joanna Tałanda, Ewa Babkiewicz, Konrad Leniowski, and Paulina Urban. *Daphnia* depth selection in gradients of light intensity from different artificial sources: an evolutionary trap? *Limnology and Oceanography*, 65(3): 1367–1380, April 2021. CODEN LIOCAH. ISSN 0024-3590.

MacKeigan:2023:BBA

[MTP+23] Paul W. MacKeigan, Zofia E. Taranu, Frances R. Pick, Beatrix E. Beisner, and Irene Gregory-Eaves. Both biotic and abiotic predictors explain significant variation in cyanobacteria biomass across lakes from temperate to subarctic zones. *Limnology and Oceanography*, 68(6):1360–1375, June 2023. CODEN LIOCAH. ISSN 0024-3590.

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

McManus:2020:NQM

[MURK20] M. Conor McManus, David S. Ullman, Scott D. Rutherford, and Christopher Kincaid. Northern quahog (*Mercenaria mercenaria*) larval transport and settlement modeled for a temperate estuary. *Limnology and Oceanography*, 65(2): 289–303, February 2020. CODEN LIOCAH. ISSN 0024-3590.

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[MVBG20] Juliana Mendes Monteiro, Ryan Vogwill, Karl Bischoff, and Deirdre B. Gleeson. Comparative metagenomics of microbial mats from hypersaline lakes at Rottnest Island (WA, Australia), advancing our understanding of the effect of mat community and functional genes on microbialite accretion. *Limnology and Oceanography*, 66(6):S293–S309, January 2020. CODEN LIOCAH. ISSN 0024-3590.

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[MWHR+22] Alina Mostovaya, Michael Wind-Hansen, Paul Rousteau, Laura A. Bristow, and Bo Thamdrup. Sulfate- and iron-dependent anaerobic methane oxidation occurring side-by-side in freshwater lake sediment. *Limnology and Oceanography*, 67(1):231–246, January 2022. CODEN LIOCAH. ISSN 0024-3590.

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[MXL+21] Lingqi Ma, Wupeng Xiao, Edward A. Laws, Xiaolin Bai, Kuo-Ping Chiang, Xin Liu, Jixin Chen, and Bangqin Huang. Responses of phytoplankton communities to the effect of internal wave-powered upwelling. *Limnology and Oceanography*, 66(4):1083–1098, April 2021. CODEN LIOCAH. ISSN 0024-3590.

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[MZW+21] Yuanyuan Mo, Wenjing Zhang, David M. Wilkinson, Zheng Yu, Peng Xiao, and Jun Yang. Biogeography and co-occurrence patterns of bacterial generalists and specialists in three subtropical marine bays. *Limnology and Oceanography*, 66(3):793–806, March 2021. CODEN LIOCAH. ISSN 0024-3590.

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

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[NDP+24] Mayara Pereira Neves, Rosilene Luciana Delariva, Daniel M. Perkins, Clarice Bernhardt Fialho, and Pavel Kratina. Trophic plasticity of omnivorous fishes in natural and human-dominated landscapes. *Limnology and Oceanography*, 69(1): 189–202, January 2024. CODEN LIOCAH. ISSN 0024-3590.

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

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

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[NvBE+21] Andreas Neumann, Justus E. E. van Beusekom, Annika Eisele, Kay-Christian Emeis, Jana Friedrich, Ingrid Kröncke, Ella Lu Logemann, Julia Meyer, Céline Naderipour, Ulrike

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[OAM+22] Eric C. Orenstein, Sakina-Dorothée Ayata, Frédéric Maps, Érica C. Becker, Fabio Benedetti, Tristan Biard, Thibault de Garidel-Thoron, Jeffrey S. Ellen, Filippo Ferrario, Sarah L. C. Giering, Tamar Guy-Haim, Laura Hoebeke, Morten Hvitfeldt Iversen, Thomas Kiørboe, Jean-François Lalonde, Arancha Lana, Martin Laviale, Fabien Lombard, Tom Lorimer, Séverine Martini, Albin Meyer, Klas Ove Möller, Barbara Niehoff, Mark D. Ohman, Cédric Pradalier, Jean-Baptiste Romagnan, Simon-Martin Schröder, Virginie Sonnet, Heidi M. Sosik, Lars S. Stemmann, Michiel Stock, Tuba Terbiyik-Kurt, Nerea Valcárcel-Pérez, Laure Vilgrain, Guillaume Wacquet, Anya M. Waite, and Jean-Olivier Irisson. Machine learning techniques to characterize functional traits of plankton from image data. *Limnology and Oceanography*, 67(8):1647–1669, August 2022. CODEN LIOCAH. ISSN 0024-3590.

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[OBB+20] Beth N. Orcutt, James A. Bradley, William J. Brazelton, Emily R. Estes, Jacqueline M. Goordial, Julie A. Huber, Rose M. Jones, Nagissa Mahmoudi, Jeffrey J. Marlow, Sheryl Murdock, and Maria Pachiadaki. Impacts of deep-sea mining on microbial ecosystem services. *Limnology and Oceanography*, 65(7):1489–1510, July 2020. CODEN LIOCAH. ISSN 0024-3590.

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[OBL20] Jason Olsthoorn, Cynthia E. Bluteau, and Gregory A. Lawrence. Under-ice salinity transport in low-salinity waterbodies. *Limnology and Oceanography*, 65(2):247–259, February 2020. CODEN LIOCAH. ISSN 0024-3590.

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[OBL21] Daniel R. O'Donnell, Sophia M. Beery, and Elena Litchman. Temperature-dependent evolution of cell morphology and carbon and nutrient content in a marine diatom. *Limnology and Oceanography*, 66(12):4334–4346, December 2021. CODEN LIOCAH. ISSN 0024-3590.

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[OJUN23] Eva Julia Marie Ostertag, Kai Jensen, Viktoria Unger, and Stefanie Nolte. Warming experiment indicates that increasing global temperatures may not affect windows of opportunity for salt marsh seedlings. *Limnology and Oceanography*, 68(10):2261–2273, October 2023. CODEN LIOCAH. ISSN 0024-3590.

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[OMM21] Aleix Obiol, Imer Muhovic, and Ramon Massana. Oceanic heterotrophic flagellates are dominated by a few widespread taxa. *Limnology and Oceanography*, 66(12):4240–4253, December 2021. CODEN LIOCAH. ISSN 0024-3590.

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[ONH+20] Ted Ozersky, Teofil Nakov, Stephanie E. Hampton, Nicholas L. Rodenhouse, Kara H. Woo, Kirill Shchapov, Katie Wright, Helena V. Pislegina, Lyubov R. Izmest'eva, Eugene A. Silow, Maxim A. Timofeev, and Marianne V. Moore. Hot and sick? Impacts of warming and a parasite on the dominant zooplankter of Lake Baikal. *Limnology and Oceanography*, 66 (10):2772–2786, November 2020. CODEN LIOCAH. ISSN 0024-3590.

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

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[OSR20] Daniel K. Okamoto, Stephen C. Schroeter, and Daniel C. Reed. Effects of ocean climate on spatiotemporal variation in sea urchin settlement and recruitment. *Limnology and Oceanography*, 65(9):2076–2091, September 2020. CODEN LIOCAH. ISSN 0024-3590.

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[OYM+20] Chloé Orland, Kurt M. Yakimovich, Nadia C. S. Mykytczuk, Nathan Basiliko, and Andrew J. Tanentzap. Think global, act local: The small-scale environment mainly influences microbial community development and function in lake sediment. *Limnology and Oceanography*, 65(S1):S88–S100, January 2020. CODEN LIOCAH. ISSN 0024-3590.

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[PBP+23] Tiago Passos, Angelo F. Bernardino, Dan Penny, Roberto Barcellos, Francisco U. Passos, Gabriel N. Nobrega, Tiago O. Ferreira, J. Boone Kauffman, and Christian J. Sanders. Low carbon accumulation in a macro-tidal mangrove forest on the Amazon coast. *Limnology and Oceanography*, 68(8):1936–1948, August 2023. CODEN LIOCAH. ISSN 0024-3590.

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[PC21] Rachel M. Pilla and Raoul-Marie Couture. Attenuation of photosynthetically active radiation and ultraviolet radiation in response to changing dissolved organic carbon in browning lakes: Modeling and parametrization. *Limnology and Oceanography*, 66(6):2278–2289, June 2021. CODEN LIOCAH. ISSN 0024-3590.

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[PCJ+21] Michael J. Palmer, John Chételat, Heather E. Jamieson, Murray Richardson, and Marc Amyot. Hydrologic control on winter dissolved oxygen mediates arsenic cycling in a small subarctic lake. *Limnology and Oceanography*, 66(S1):S30–S46, February 2021. CODEN LIOCAH. ISSN 0024-3590.

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

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[PDK+23] Jiwoon Park, Bryndan P. Durham, Rebecca S. Key, Ryan D. Groussman, Zinka Bartolek, Paulina Pinedo-Gonzalez, Nicholas J. Hawco, Seth G. John, Michael C. G. Carlson, Debbie Lindell, Lauren W. Juranek, Sara Ferrón, Francois Ribalet, E. Virginia Armbrust, Anitra E. Ingalls, and Randelle M. Bundy. Siderophore production and utilization by marine bacteria in the North Pacific Ocean. *Limnology and Oceanography*, 68(7):1636–1653, July 2023. CODEN LIOCAH. ISSN 0024-3590.

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[PGB24] Cindy M. Palinkas, Cassie Gurbisz, and Miles C. Bolton. Sediment–vegetation interactions determine the fate of flu-

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

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[PGN+21] Judith Piontek, Luisa Galgani, Eva-Maria Nöthig, Ilka Peeken, and Anja Engel. Organic matter composition and heterotrophic bacterial activity at declining summer sea ice in the central Arctic Ocean. *Limnology and Oceanography*, 66(S1):S343–S362, February 2021. CODEN LIOCAH. ISSN 0024-3590.

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

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

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[PHM21] Anneke Kristin Purz, Dorothee Hodapp, and Stefanie Devi Moorthi. Dispersal, location of bloom initiation, and nutri-

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

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

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

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[PMD+23] Marie-Elodie Perga, Camille Minaudo, Tomy Doda, Florent Arthaud, Harsh Beria, Hannah E. Chmiel, Nicolas Escoffier,

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

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

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[PPB+21] Geneviève J. Parent, Stéphane Plourde, Howard I. Browman, Julie Turgeon, and Adam Petrusek. Defining what constitutes a reliable dataset to test for hybridization and introgression in marine zooplankton: Comment on Choquet

et al. 2020 "No evidence for hybridization between *Calanus finmarchicus* and *C. glacialis* in a subarctic area of sympatry". *Limnology and Oceanography*, 66(10):3597–3602, October 2021. CODEN LIOCAH. ISSN 0024-3590. See reply [CSH21].

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

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

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

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[PUH+23] Alexandra A. Phillips, Imanol Ulloa, Emily Hyde, Julia Agnich, Lewis Sharpnack, Katherine G. O'Malley, Samuel M. Webb, Kathryn M. Schreiner, Cody S. Sheik, Sergei Katsev, and Morgan Reed Raven. Organic sulfur from source to sink in low-sulfate Lake Superior. *Limnology and Oceanography*, 68(12):2716–2732, December 2023. CODEN LIOCAH. ISSN 0024-3590.

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[PVSP+22] Jérôme Pinti, André W. Visser, Camila Serra-Pompei, Ken H. Andersen, Mark D. Ohman, and Thomas Kiørboe. Fear and loathing in the pelagic: How the seascape of fear impacts the biological carbon pump. *Limnology and Oceanography*, 67(6):1238–1256, June 2022. CODEN LIOCAH. ISSN 0024-3590.

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

Peura:2020:OST

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

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[PYM+20] Yongbo Pan, Jun Yang, George B. McManus, Senjie Lin, and Wenjing Zhang. Insights into protist diversity and biogeogra-

phy in intertidal sediments sampled across a range of spatial scales. *Limnology and Oceanography*, 65(5):1103–1115, May 2020. CODEN LIOCAH. ISSN 0024-3590.

Pei:2020:GRS

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

Qu:2021:EPE

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

Quinlan:2021:RTP

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

Qi:2021:BPE

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

Quinones-Rivera:2022:DEB

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

Qin:2021:TRB

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

Risse-Buhl:2020:NSF

[RBAC+20] Ute Risse-Buhl, Christine Anlanger, Antonis Chatzinotas, Christian Noss, Andreas Lorke, and Markus Weitere. Near streambed flow shapes microbial guilds within and across trophic levels in fluvial biofilms. *Limnology and Oceanography*, 65(10):2261–2277, October 2020. CODEN LIOCAH. ISSN 0024-3590.

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

Reyserhove:2020:FNA

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

Rydin:2023:CDS

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

Roberts:2024:RHA

[RBR+24] Megan E. Roberts, Maya P. Bhatia, Elden Rowland, Patrick L. White, Stephanie Waterman, Maria A. Cavaco,

Patrick Williams, Jodi N. Young, Jenifer S. Spence, Jean-Éric Tremblay, Jean-Carlos Montero-Serrano, and Erin M. Bertrand. Rubisco in high Arctic tidewater glacier-marine systems: a new window into phytoplankton dynamics. *Limnology and Oceanography*, 69(4):802–817, April 2024. CODEN LIOCAH. ISSN 0024-3590.

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

Ros:2020:UBB

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

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

Ruuskanen:2020:MGR

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

Rock:2023:LPD

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

Roberts:2021:SRS

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

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

Richardson:2024:NRI

[RFW+24] David C. Richardson, Alessandro Filazzola, R. Iestyn Woolway, M. Arshad Imrit, Damien Bouffard, Gesa A. Weyhenmeyer, John Magnuson, and Sapna Sharma. Nonlinear responses in interannual variability of lake ice to climate change. *Limnology and Oceanography*, 69(4):789–801, April 2024. CODEN LIOCAH. ISSN 0024-3590.

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

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

Ray:2023:STV

[RHA+23] Nicholas E. Ray, Meredith A. Holgerson, Mikkel Rene Andersen, Jānis Bikše, Lauren E. Bortolotti, Martyn Futter,

Ilga Kokorīte, Alan Law, Cory McDonald, Jorrit P. Mesman, Mike Peacock, David C. Richardson, Julien Arsenault, Sheel Bansal, Kaelin Cawley, McKenzie Kuhn, Amir Reza Shahabinia, and Facundo Smufer. Spatial and temporal variability in summertime dissolved carbon dioxide and methane in temperate ponds and shallow lakes. *Limnology and Oceanography*, 68(7):1530–1545, July 2023. CODEN LIOCAH. ISSN 0024-3590.

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

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

Rahav:2022:HBO

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

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

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[RLL+21] Lijuan Ren, Yuanyuan Liu, Torben L. Lauridsen, Martin Søndergaard, Boping Han, Jianjun Wang, Erik Jeppesen, Jizhong Zhou, and Qinglong L. Wu. Warming exacerbates

the impact of nutrient enrichment on microbial functional potentials important to the nutrient cycling in shallow lake mesocosms. *Limnology and Oceanography*, 66(6):2481–2495, June 2021. CODEN LIOCAH. ISSN 0024-3590.

Ravaglioli:2020:OAA

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

Rassweiler:2022:HDF

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

Ray:2021:DPC

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

Ran:2023:SLL

[RNW+23] Fengwei Ran, Xiaodong Nie, Shilan Wang, Tao Xiao, Changrong Yang, Yi Liu, Lingxia Wang, Yaojun Liu, Xin Chu, and Zhongwu Li. A significant loop of lake sedimentation state links catchment eco-surroundings and lake biogenic regime shifts. *Limnology and Oceanography*, 68(8): 1775–1790, August 2023. CODEN LIOCAH. ISSN 0024-3590.

Royer:2020:SNP

[Roy20] Todd V. Royer. Stoichiometry of nitrogen, phosphorus, and silica loads in the Mississippi–Atchafalaya River basin reveals spatial and temporal patterns in risk for cyanobacte-

rial blooms. *Limnology and Oceanography*, 65(2):325–335, February 2020. CODEN LIOCAH. ISSN 0024-3590.

Rowe:2022:PLA

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

Rii:2022:SEV

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

Roth-Rosenberg:2021:DMC

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

Rocher-Ros:2021:MOP

[RRHS+21] Gerard Rocher-Ros, Tamara K. Harms, Ryan A. Sponseller, Maria Väisänen, Carl-Magnus Mörth, and Reiner Giesler. Metabolism overrides photo-oxidation in CO_2 dynamics of Arctic permafrost streams. *Limnology and Oceanography*, 66 (S1):S169–S181, February 2021. CODEN LIOCAH. ISSN 0024-3590.

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

Robertson:2021:TCN

[RS21] Ben P. Robertson and Candida Savage. Thresholds in catchment nitrogen load for shifts from seagrass to nuisance

macroalgae in shallow intertidal estuaries. *Limnology and Oceanography*, 65(3):1353–1366, April 2021. CODEN LIOCAH. ISSN 0024-3590.

Rogener:2020:PMO

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

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[RSLW23] Lukas Rehn, Ryan A. Sponseller, Hjalmar Laudon, and Marcus B. Wallin. Long-term changes in dissolved inorganic carbon across boreal streams caused by altered hydrology. *Limnology and Oceanography*, 68(2):409–423, February 2023. CODEN LIOCAH. ISSN 0024-3590.

Rudberg:2024:CGC

[RSP+24] David Rudberg, Jonathan Schenk, Gustav Pajala, Henrique Sawakuchi, Anna Sieczko, Ingrid Sundgren, Nguyen Thanh Duc, Jan Karlsson, Sally MacIntyre, John Melack, and David Bastviken. Contribution of gas concentration and transfer velocity to CO_2 flux variability in northern lakes. *Limnology and Oceanography*, 69(4):818–833, April 2024. CODEN LIOCAH. ISSN 0024-3590.

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[RST+21] Valentí Rodellas, Thomas C. Stieglitz, Joseph J. Tamborski, Pieter van Beek, Aladin Andrisoa, and Peter G. Cook. Conceptual uncertainties in groundwater and porewater fluxes estimated by radon and radium mass balances. *Limnology and Oceanography*, 66(4):1237–1255, April 2021. CODEN LIOCAH. ISSN 0024-3590.

Ryderheim:2023:SHT

[RTK23] Fredrik Ryderheim, Uffe H. Thygesen, and Thomas Kiørboe. Short handling times allow for active prey selection in suspension feeding copepods. *Limnology and Oceanography*, 68 (4):891–901, April 2023. CODEN LIOCAH. ISSN 0024-3590.

Reading:2020:LUD

[RTM+20] Michael J. Reading, Douglas R. Tait, Damien T. Maher, Luke C. Jeffrey, Arun Looman, Ceylena Holloway, Haile A.

Shishaye, Summer Barron, and Isaac R. Santos. Land use drives nitrous oxide dynamics in estuaries on regional and global scales. *Limnology and Oceanography*, 65(8):1903–1920, August 2020. CODEN LIOCAH. ISSN 0024-3590.

Reading:2021:SGD

[RTM+21] Michael J. Reading, Douglas R. Tait, Damien T. Maher, Luke C. Jeffrey, Rogger E. Correa, James P. Tucker, Haile A. Shishaye, and Isaac R. Santos. Submarine groundwater discharge drives nitrous oxide source/sink dynamics in a metropolitan estuary. *Limnology and Oceanography*, 66(5): 1665–1686, May 2021. CODEN LIOCAH. ISSN 0024-3590.

Ramaekers:2023:EDC

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

Rasigraf:2020:MCC

[RvHF+20] Olivia Rasigraf, Niels A. G. M. van Helmond, Jeroen Frank, Wytze K. Lenstra, Matthias Egger, Caroline P. Slomp, and Mike S. M. Jetten. Microbial community composition and functional potential in Bothnian Sea sediments is linked to Fe and S dynamics and the quality of organic matter. *Limnology and Oceanography*, 65(S1):S113–S133, January 2020. CODEN LIOCAH. ISSN 0024-3590.

Ruffing:2022:PSM

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

Rewrie:2023:SSI

[RVvB+23] Louise C. V. Rewrie, Yoana G. Voynova, Justus E. E. van Beusekom, Tina Sanders, Arne Körtzinger, Holger Brix, Gregor Ollesch, and Burkard Baschek. Significant shifts in inorganic carbon and ecosystem state in a temperate estuary

(1985–2018). *Limnology and Oceanography*, 68(8):1920–1935, August 2023. CODEN LIOCAH. ISSN 0024-3590.

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[RWL+24] Lihua Ran, Martin G. Wiesner, Yuzhao Liang, Wen Liang, Lanlan Zhang, Zhi Yang, Hongliang Li, and Jianfang Chen. Differential dissolution of biogenic silica significantly affects the utility of sediment diatoms as paleoceanographic proxies. *Limnology and Oceanography*, 69(3):467–481, March 2024. CODEN LIOCAH. ISSN 0024-3590.

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[RWMP+23] Peter J. Regier, Nicholas D. Ward, Allison N. Myers-Pigg, Jay Grate, Michael J. Freeman, and Ruby N. Ghosh. Seasonal drivers of dissolved oxygen across a tidal creek–marsh interface revealed by machine learning. *Limnology and Oceanography*, 68(10):2359–2374, October 2023. CODEN LIOCAH. ISSN 0024-3590.

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[RWS+22] Keryn L. Roberts, Wei Wen Wong, Jeff Shimeta, Adam J. Kessler, and Perran L. M. Cook. Recovery of denitrification and dissimilatory nitrate reduction to ammonium following reoxygenation of sediments from a periodically hypoxic temperate lagoon. *Limnology and Oceanography*, 67(8):1879–1890, August 2022. CODEN LIOCAH. ISSN 0024-3590.

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[RWT+21] Andrew L. Robison, Wilfred M. Wollheim, Bonnie Turek, Cynthia Bova, Carter Snay, and Ruth K. Varner. Spatial and temporal heterogeneity of methane ebullition in lowland headwater streams and the impact on sampling design. *Limnology and Oceanography*, 66(12):4063–4076, December 2021. CODEN LIOCAH. ISSN 0024-3590.

Subhas:2020:CAA

[SAD+20] Adam V. Subhas, Jess F. Adkins, Sijia Dong, Nick E. Rollins, and William M. Berelson. The carbonic anhydrase activity of sinking and suspended particles in the North Pacific Ocean. *Limnology and Oceanography*, 65(3):637–651, March 2020. CODEN LIOCAH. ISSN 0024-3590.

Shen:2020:MPP

[SB20] Yuan Shen and Ronald Benner. Molecular properties are a primary control on the microbial utilization of dissolved organic matter in the ocean. *Limnology and Oceanography*, 65(5):1061–1071, May 2020. CODEN LIOCAH. ISSN 0024-3590. See comment [LD22].

Shen:2022:RCC

[SB22] Yuan Shen and Ronald Benner. Reply to comment: Controls on turnover of marine dissolved organic matter — testing the null hypothesis of purely concentration-driven uptake. *Limnology and Oceanography*, 67(3):680–683, March 2022. CODEN LIOCAH. ISSN 0024-3590. See [LD22].

Segatto:2020:MCD

[SBB20] Pier Luigi Segatto, Tom J. Battin, and Enrico Bertuzzo. Modeling the coupled dynamics of stream metabolism and microbial biomass. *Limnology and Oceanography*, 65(7): 1573–1593, July 2020. CODEN LIOCAH. ISSN 0024-3590.

Smith:2021:FIU

[SBB+21] Jason M. Smith, Gordon Blasco, Mark A. Brzezinski, John M. Melack, Daniel C. Reed, and Robert J. Miller. Factors influencing urea use by giant kelp (*Macrocystis pyrifera*, Phaeophyceae). *Limnology and Oceanography*, 66(4):1190–1200, April 2021. CODEN LIOCAH. ISSN 0024-3590.

Saba:2021:TBU

[SBD+21] Grace K. Saba, Adrian B. Burd, John P. Dunne, Santiago Hernández-León, Angela H. Martin, Kenneth A. Rose, Joseph Salisbury, Deborah K. Steinberg, Clive N. Trueman, Rod W. Wilson, and Stephanie E. Wilson. Toward a better understanding of fish-based contribution to ocean carbon flux. *Limnology and Oceanography*, 66(5):1639–1664, May 2021. CODEN LIOCAH. ISSN 0024-3590.

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[SBH23] Romana K. Salis, Georgina L. Brennan, and Lars-Anders Hansson. Successful invasions to freshwater systems double with climate warming. *Limnology and Oceanography*, 68(4): 953–962, April 2023. CODEN LIOCAH. ISSN 0024-3590.

Singh:2021:IIC

[SBL+21] Arvind Singh, Lennart T. Bach, Carolin R. Löscher, Allanah J. Paul, Narendra Ojha, and Ulf Riebesell. Impact of increasing carbon dioxide on dinitrogen and carbon fixation rates under oligotrophic conditions and simulated upwelling. *Limnology and Oceanography*, 66(7):2855–2867, July 2021. CODEN LIOCAH. ISSN 0024-3590.

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[SBM+21] Nicole L. Schanke, Francesco Bolinesi, Olga Mangoni, Christian Katlein, Philipp Anhaus, Mario Hoppmann, Peter A. Lee, and Giacomo R. DiTullio. Biogeochemical and ecological variability during the late summer–early autumn transition at an ice-floe drift station in the Central Arctic Ocean. *Limnology and Oceanography*, 66(S1):S363–S382, February 2021. CODEN LIOCAH. ISSN 0024-3590.

Stirnimann:2021:PCC

[SBV+21] Luca Stirnimann, Thomas G. Bornman, Hans M. Verheye, Marie-Lou Bachèlery, Janine van der Poel, and Sarah E. Fawcett. Plankton community composition and productivity near the Subantarctic Prince Edward Islands archipelago in autumn. *Limnology and Oceanography*, 66(12):4140–4158, December 2021. CODEN LIOCAH. ISSN 0024-3590.

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[SBW+20] Oscar A. Sosa, Timothy J. Burrell, Samuel T. Wilson, Rhea K. Foreman, David M. Karl, and Daniel J. Repeta. Phosphonate cycling supports methane and ethylene supersaturation in the phosphate-depleted western North Atlantic Ocean. *Limnology and Oceanography*, 65(10):2443–2459, October 2020. CODEN LIOCAH. ISSN 0024-3590.

Steiner:2021:PBI

[SBW21] Oscar Sepúlveda Steiner, Damien Bouffard, and Alfred Wüest. Persistence of bioconvection-induced mixed layers in a stratified lake. *Limnology and Oceanography*, 65(3):1531–1547, April 2021. CODEN LIOCAH. ISSN 0024-3590.

Su:2020:SPO

[SCB+20] Jianzhong Su, Wei-Jun Cai, Jean Brodeur, Najid Hussain, Baoshan Chen, Jeremy M. Testa, K. Michael Scaboo, Deb P. Jaisi, Qiang Li, Minhan Dai, and Jeffrey Cornwell. Source

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[SCC+21] Corday R. Selden, P. Dreux Chappell, Sophie Clayton, Alfonso Macías-Tapia, Peter W. Bernhardt, and Margaret R. Mulholland. A coastal N_2 fixation hotspot at the Cape Hatteras front: Elucidating spatial heterogeneity in diazotroph activity via supervised machine learning. *Limnology and Oceanography*, 66(5):1832–1849, May 2021. CODEN LIOCAH. ISSN 0024-3590.

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[SDB+23] Vanessa Solano, Clément Duvert, Christian Birkel, Damien T. Maher, Erica A. García, and Lindsay B. Hutley. Stream respiration exceeds CO_2 evasion in a low-energy, oligotrophic tropical stream. *Limnology and Oceanography*, 68(5):1132–1146, May 2023. CODEN LIOCAH. ISSN 0024-3590.

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[SdBW+23] Yeala Shaked, Dirk de Beer, Siyuan Wang, Futing Zhang, Anna-Neva Visser, Meri Eichner, and Subhajit Basu. Co-acquisition of mineral-bound iron and phosphorus by natural *Trichodesmium* colonies. *Limnology and Oceanography*, 68 (5):1064–1077, May 2023. CODEN LIOCAH. ISSN 0024-3590.

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[SDL22] Jian Shen, Jiabi Du, and Lisa V. Lucas. Simple relationships between residence time and annual nutrient retention, export, and loading for estuaries. *Limnology and Oceanography*, 67(4):918–933, April 2022. CODEN LIOCAH. ISSN 0024-3590.

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[SDS+23] Ena Lucia Suarez, Lukas De Ventura, Arno Stöckli, César Ordóñez, Mridul K. Thomas, Bastiaan W. Ibelings, and Daniel F. McGinnis. The emergence and dominance of *Planktothrix rubescens* as an hypolimnetic cyanobacterium in response to re-oligotrophication of a deep peri-alpine lake. *Limnology and Oceanography*, 68(6):1346–1359, June 2023. CODEN LIOCAH. ISSN 0024-3590.

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[SDSGR21] Michael R. Stukel, Moira Décima, Karen E. Selph, and Andres Gutiérrez-Rodríguez. Size-specific grazing and competitive interactions between large salps and protistan grazers. *Limnology and Oceanography*, 65(6):2521–2534, June 2021. CODEN LIOCAH. ISSN 0024-3590.

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[SEG21] Peter Stief, Marcus Elvert, and Ronnie N. Glud. Respiration by "marine snow" at high hydrostatic pressure: Insights from continuous oxygen measurements in a rotating pressure tank. *Limnology and Oceanography*, 66(7):2797–2809, July 2021. CODEN LIOCAH. ISSN 0024-3590.

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[SGA+22] Grzegorz Scholtysik, Tobias Goldhammer, Helge W. Arz, Matthias Moros, Ralf Littke, and Michael Hupfer. Geochemical focusing and burial of sedimentary iron, manganese, and phosphorus during lake eutrophication. *Limnology and Oceanography*, 67(4):768–783, April 2022. CODEN LIOCAH. ISSN 0024-3590.

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[SGGB21] Martin Schütze, Philipp Gatz, Benjamin-Silas Gilfedder, and Harald Biester. Why productive lakes are larger mercury sedimentary sinks than oligotrophic brown water lakes. *Limnology and Oceanography*, 66(4):1316–1332, April 2021. CODEN LIOCAH. ISSN 0024-3590.

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[SGM+21] Jonathan T. Stetler, Scott Girdner, Jeremy Mack, Luke A. Winslow, Taylor H. Leach, and Kevin C. Rose. Atmospheric stilling and warming air temperatures drive long-term changes in lake stratification in a large oligotrophic lake. *Limnology and Oceanography*, 66(3):954–964, March 2021. CODEN LIOCAH. ISSN 0024-3590.

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[SGM+22] Virginie Sonnet, Lionel Guidi, Colleen B. Mouw, Gavino Puggioni, and Sakina-Dorothée Ayata. Length, width, shape regularity, and chain structure: time series analysis of phytoplankton morphology from imagery. *Limnology and Oceanography*, 67(8):1850–1864, August 2022. CODEN LIOCAH. ISSN 0024-3590.

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[SGSD+22] Saara Suominen, Gonzalo V. Gomez-Saez, Thorsten Dittmar, Jaap S. Sinninghe Damsté, and Laura Villanueva. Interplay between microbial community composition and chemodiversity of dissolved organic matter throughout the Black Sea water column redox gradient. *Limnology and Oceanography*, 67 (2):329–347, February 2022. CODEN LIOCAH. ISSN 0024-3590.

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

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[SH22] Carlos Sangil and José Carlos Hernández. Recurrent large-scale sea urchin mass mortality and the establishment of a long-lasting alternative macroalgae-dominated community state. *Limnology and Oceanography*, 67(S1):S430–S443, February 2022. CODEN LIOCAH. ISSN 0024-3590.

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

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[SHE+21] Takuhei Shiozaki, Fuminori Hashihama, Hisashi Endo, Minoru Ijichi, Noriko Takeda, Akiko Makabe, Amane Fujiwara, Shigeto Nishino, and Naomi Harada. Assimilation and oxidation of urea-derived nitrogen in the summer Arctic Ocean. *Limnology and Oceanography*, 66(12):4159–4170, December 2021. CODEN LIOCAH. ISSN 0024-3590.

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[SHS+22] Isaac R. Santos, Vanessa Hatje, Oscar Serrano, David Bastviken, and Dorte Krause-Jensen. Carbon sequestration in aquatic ecosystems: Recent advances and challenges. *Limnology and Oceanography*, 67(S2):S1–S5, November 2022. CODEN LIOCAH. ISSN 0024-3590.

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[SJR21] Caroline Scholze, Bo Barker Jørgensen, and Hans Røy. Psychrophilic properties of sulfate-reducing bacteria in Arctic

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

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[SLHL+22] Kathleen R. Stoof-Leichsenring, Sichao Huang, Sisi Liu, Weihan Jia, Kai Li, Xingqi Liu, Luidmila A. Pestryakova, and Ulrike Herzschuh. Sedimentary DNA identifies modern and past macrophyte diversity and its environmental drivers in high-latitude and high-elevation lakes in Siberia and China. *Limnology and Oceanography*, 67(5):1126–1141, May 2022. CODEN LIOCAH. ISSN 0024-3590.

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[SLJ+22] Tamara L. Schlosser, Andrew J. Lucas, Nicole L. Jones, Jonathan D. Nash, and Gregory N. Ivey. Local winds and encroaching currents drive summertime subsurface blooms over a narrow shelf. *Limnology and Oceanography*, 67(4):888–902, April 2022. CODEN LIOCAH. ISSN 0024-3590.

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[SLRS+24] Teresa Silverthorn, Naiara López-Rojo, Romain Sarremejane, Arnaud Foulquier, Vincent Chanudet, Abdelkader

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[SLZ+21b] Frédéric Soulignac, Ulrich Lemmin, Seyed Mahmood Hamze Ziabari, Htet Kyi Wynn, Benjamin Graf, and David Andrew Barry. Rapid changes in river plume dynamics caused by advected wind-driven coastal upwelling as observed in Lake Geneva. *Limnology and Oceanography*, 66(8):3116–3133, August 2021. CODEN LIOCAH. ISSN 0024-3590.

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[SMCS23] Robert Schwefel, Sally MacIntyre, Alicia Cortés, and Steven Sadro. Oxygen depletion and sediment respiration in ice-covered Arctic lakes. *Limnology and Oceanography*, 68(7): 1470–1489, July 2023. CODEN LIOCAH. ISSN 0024-3590.

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[SMF20] Xinhui Shen, Marcos, and Henry C. Fu. How the bending mechanics of setae modulate hydrodynamic sensing in copepods. *Limnology and Oceanography*, 65(4):749–761, April 2020. CODEN LIOCAH. ISSN 0024-3590.

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[SMG+22] Allison M. Savoie, Amy Moody, Melissa Gilbert, Kevin S. Dillon, Stephan D. Howden, Alan M. Shiller, and Christopher T. Hayes. Impact of local rivers on coastal acidification.

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

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[SML21b] Stéphanie Shousha, Roxane Maranger, and Jean-François Lapierre. Different forms of carbon, nitrogen, and phosphorus influence ecosystem stoichiometry in a north temperate river across seasons and land uses. *Limnology and Oceanography*, 66(12):4285–4298, December 2021. CODEN LIOCAH. ISSN 0024-3590.

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[SMNT22] Malcolm E. Scully, Anna P. M. Michel, David P. Nicholson, and Shawnee Traylor. Spatial and temporal variations in atmospheric gas flux from the Hudson River: the estuarine gas exchange maximum. *Limnology and Oceanography*, 67(7): 1590–1603, July 2022. CODEN LIOCAH. ISSN 0024-3590.

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

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[SN22] Rachel Beth Schaefer and Heidi Nepf. Wave damping by seagrass meadows in combined wave-current conditions. *Limnology and Oceanography*, 67(7):1554–1565, July 2022. CODEN LIOCAH. ISSN 0024-3590.

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[SO23] Kirill Shchapov and Ted Ozersky. Opening the black box of winter: Full-year dynamics of crustacean zooplankton along a nearshore depth gradient in a large lake. *Limnology and Oceanography*, 68(7):1438–1451, July 2023. CODEN LIOCAH. ISSN 0024-3590.

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[SOO+21] Kathryn M. Schoenrock, Rory O'Callaghan, Tony O'Callaghan, Aisha O'Connor, and Dagmar B. Stengel. An ecological baseline for *Laminaria hyperborea* forests in western Ireland. *Limnology and Oceanography*, 66(9):3439–3454, September 2021. CODEN LIOCAH. ISSN 0024-3590.

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[SORGC+21] Marta Sebastián, Eva Ortega-Retuerta, Laura Gómez-Consarnau, Marina Zamanillo, Marta Álvarez, Javier Arístegui, and Josep M. Gasol. Environmental gradients and physical barriers drive the basin-wide spatial structuring of Mediterranean Sea and adjacent eastern Atlantic Ocean prokaryotic communities. *Limnology and Oceanography*, 66 (12):4077–4095, December 2021. CODEN LIOCAH. ISSN 0024-3590.

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[SOSN23] Yuhi Satoh, Shigeyoshi Otosaka, Takashi Suzuki, and Takahiro Nakanishi. Factors regulating the concentration of particulate iodine in coastal seawater. *Limnology and Oceanography*, 68(7):1580–1594, July 2023. CODEN LIOCAH. ISSN 0024-3590.

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[SOT+20] Kyra A. St. Pierre, Allison A. Oliver, Suzanne E. Tank, Brian P. V. Hunt, Ian Giesbrecht, Colleen T. E. Kellogg, Jennifer M. Jackson, Ken P. Lertzman, William C. Floyd, and Maartje C. Korver. Terrestrial exports of dissolved and particulate organic carbon affect nearshore ecosystems of the Pacific coastal temperate rainforest. *Limnology and Oceanography*, 66(10):2657–2675, November 2020. CODEN LIOCAH. ISSN 0024-3590.

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

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

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Soria-Piriz:2020:WSD

[SPLJA+20] Sara Soria-Píriz, Miguel Lara, Juan Luis Jiménez-Arias, Sokratis Papaspyrou, Bárbara Úbeda, Emilio García-Robledo, Julio Bohórquez, José Ángel Gálvez, Niels Peter Revsbech, and Alfonso Corzo. What supports the deep chlorophyll maximum in acidic lakes? The role of the bacterial CO_2 production in the hypolimnion. *Limnology and Oceanography*, 65(6):1318–1335, June 2020. CODEN LIOCAH. ISSN 0024-3590.

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[SRV+20] Alan L. Shanks, Leif K. Rasmuson, Jenna R. Valley, Marley A. Jarvis, Carly Salant, David A. Sutherland, Eleanor I. Lamont, MacKenna A. H. Hainey, and Richard B. Emlet. Marine heat waves, climate change, and failed spawning by coastal invertebrates. *Limnology and Oceanography*, 65(3): 627–636, March 2020. CODEN LIOCAH. ISSN 0024-3590.

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[SSA+23] Iain M. Suthers, Amandine Schaeffer, Matthew Archer, Moninya Roughan, David A. Griffin, Christopher C. Chapman, Bernadette M. Sloyan, and Jason D. Everett. Frontal eddies provide an oceanographic triad for favorable larval fish

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[SSCE20] Laura Stoltenberg, Kai G. Schulz, Tyler Cyronak, and Bradley D. Eyre. Seasonal variability of calcium carbonate precipitation and dissolution in shallow coral reef sediments. *Limnology and Oceanography*, 65(4):876–891, April 2020. CODEN LIOCAH. ISSN 0024-3590.

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[SSEO21] Michelle N. Simone, Kai G. Schulz, Bradley D. Eyre, and Joanne M. Oakes. Ocean acidification may mitigate negative effects of warming on carbon burial potential in subtidal unvegetated estuarine sediments. *Limnology and Oceanography*, 66(8):2953–2966, August 2021. CODEN LIOCAH. ISSN 0024-3590.

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[SSH+22] Mitsuhide Sato, Takuhei Shiozaki, Fuminori Hashihama, Taketoshi Kodama, Hiroshi Ogawa, Hiroaki Saito, Atsushi Tsuda, Shigenobu Takeda, and Ken Furuya. Relative depths of the subsurface peaks of phytoplankton abundance conserved over ocean provinces. *Limnology and Oceanography*, 67(11):2557–2571, November 2022. CODEN LIOCAH. ISSN 0024-3590.

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[SSL22] Verena Schoepf, Hermione Sanderson, and Ellis Larcombe. Coral heat tolerance under variable temperatures: Effects of

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[SSM+21a] Matthew A. Saxton, Vladimir A. Samarkin, Michael T. Madigan, Marshall W. Bowles, William Matthew Sattley, Charles A. Schutte, and Samantha B. Joye. Sulfate reduction and methanogenesis in the hypersaline deep waters and sediments of a perennially ice-covered lake. *Limnology and Oceanography*, 66(5):1804–1818, May 2021. CODEN LIOCAH. ISSN 0024-3590.

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[SSM21b] Karen Stamieszkin, Deborah K. Steinberg, and Amy E. Maas. Fecal pellet production by mesozooplankton in the subarctic Northeast Pacific Ocean. *Limnology and Oceanography*, 66(7):2585–2597, July 2021. CODEN LIOCAH. ISSN 0024-3590.

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[SSM+22a] Tanguy Soulié, Herwig Stibor, Sébastien Mas, Benjamin Braun, Johanna Knechtel, Jens C. Nejstgaard, Ulrich Sommer, Francesca Vidussi, and Behzad Mostajir. Brownification reduces oxygen gross primary production and community respiration and changes the phytoplankton community composition: an in situ mesocosm experiment with high-frequency sensor measurements in a North Atlantic bay. *Limnology and Oceanography*, 67(4):874–887, April 2022. CODEN LIOCAH. ISSN 0024-3590.

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[SVC+22] Kateri R. Salk, Jason J. Venkiteswaran, Raoul-Marie Couture, Scott N. Higgins, Michael J. Paterson, and Sherry L. Schiff. Warming combined with experimental eutrophication intensifies lake phytoplankton blooms. *Limnology and Oceanography*, 67(1):147–158, January 2022. CODEN LIOCAH. ISSN 0024-3590.

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

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[TMKB+22] Maciej T. Tomczak, Bärbel Müller-Karulis, Thorsten Blenckner, Eva Ehrnsten, Margit Eero, Bo Gustafsson, Alf Norkko, Saskia A. Otto, Karen Timmermann, and Christoph Humborg. Reference state, structure, regime shifts, and regulatory drivers in a coastal sea over the last century: The Central Baltic Sea case. *Limnology and Oceanography*, 67

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[TMM+20] Urumu Tsunogai, Yuko Miyoshi, Toshiyuki Matsushita, Daisuke D. Komatsu, Masanori Ito, Chiho Sukigara, Fumiko Nakagawa, and Masahiro Maruo. Dual stable isotope characterization of excess methane in oxic waters of a mesotrophic lake. *Limnology and Oceanography*, 66(6):2937–2952, December 2020. CODEN LIOCAH. ISSN 0024-3590.

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[TUR+20] Martin Tsz-Ki Tsui, Habibullah Uzun, Alexander Ruecker, Hamed Majidzadeh, Yener Ulus, Hongyuan Zhang, Shaowu Bao, Joel D. Blum, Tanju Karanfil, and Alex T. Chow. Concentration and isotopic composition of mercury in a blackwater river affected by extreme flooding events. *Limnology and Oceanography*, 66(5):2158–2169, September 2020. CODEN LIOCAH. ISSN 0024-3590.

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[TVB+21] T. Frede Thingstad, Selina Våge, Gunnar Bratbak, Jorun Egge, Aud Larsen, Jens Christian Nejstgaard, and Ruth-Anne Sandaa. Reproducing the virus-to-copepod link in Arctic mesocosms using host fitness optimization. *Limnology and Oceanography*, 66(S1):S303–S313, February 2021. CODEN LIOCAH. ISSN 0024-3590.

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[TZF+22] Jana Tischer, Jakob Zopfi, Claudia Frey, Paul M. Magyar, Andreas Brand, Kirsten Oswald, Corinne Jegge, Caitlin H. Frame, María R. Miracle, Xavier Sòria-Perpinyà, Eduardo Vicente, and Moritz F. Lehmann. Isotopic signatures of biotic and abiotic N_2O production and consumption in the water column of meromictic, ferruginous Lake La Cruz (Spain). *Limnology and Oceanography*, 67(8):1760–1775, August 2022. CODEN LIOCAH. ISSN 0024-3590.

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[vEMF+20] Marit R. van Erk, Dimitri V. Meier, Timothy Ferdelman, Jens Harder, Ingeborg Bussmann, and Dirk de Beer. Kelp deposition changes mineralization pathways and microbial communities in a sandy beach. *Limnology and Oceanography*, 66(6):3066–3084, December 2020. CODEN LIOCAH. ISSN 0024-3590.

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