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

WA [MVBG20]. **Wadden** [HDD+22]. **Warm** [MRC+24]. **Warm-adapted** [MRC+24]. **Warming** [BMB22, BDMGH+23, OJUN23, RLL+21, SVC+22, ARB+22, BTK+21, DNB+20, DMCW23, FLH+23, MLP21b, ONH+20, RBD22, RGW+23, SBH23, SIP21, SMP21, SSEO21, SGM+21, VKB+22, WWB+20, dJGCS23, vdPMF+21]. **wastewater** [BHSL21]. **wasting** [ARB+22]. **Water** [DLC+22, DBFC24, JvKvT+20, LWC+24, MHVC22, SSS+24, VLP+21, ACW+22, AWB+23, BSGA21, BM22, BMB22, BRB+20, BCTH20, BGG+20, BFW+22, CBB+22, CCB+20, CSC+21, DAN+22, DKPS23, EBK+20, FBK+22, FBRG23, GGS+21, GWS+21, GBHF21, GR24, GMI+21, GKW+20, GKW+21, HSB+20, HMB+22, HSP+20, IOS24, LLC+23, LHS+21, LDS+20, LBG+22, LZM+21, MBA+21, MFM+21, MACC24, MLC+21, MNMJ+21, PHB+22, PSY+22, RCMA21, SJH20, SPBK21, SGGB21, SWK+23, SWS+22, SGSD+22, SGK+21, TEK+21, TZF+22, TRS+20, XLN21, ZZO+21, vGDH+21, SMP21]. **water-column** [PSY+22]. **water-level** [FBK+22]. **water-quality** [PHB+22]. **waterbodies** [BCTH20, OBL20]. **waterflea** [ZJ22a]. **waters**

[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,

MSL21, PLLM21, QBJG21, SMW+21, SWB+20, SCB+20, THL+21, VMP+21, WCC20, YGD+21]. **zones** [CCK+21, CBB+22, KWS+21, LZM+21, MTP+23, WRA+23]. **zoobenthic** [BD22, HZC+24]. **Zooglider** [WO21]. **Zooglider-measured** [WO21]. **zooplankter** [ONH+20]. **Zooplankton** [CLG+24, DVL+23, KHB22, CDH+21, CBN21, DMS+21, ETG21, GBC+20, HCB+22, HS21, KLG+23, KGG+23, LWS+22, LTJ+20, LDB+20, MVP+20, MWV22, MO23, MSB+20, MN20, PGEB22, PPB+21, SO23, SWC+23, TGE+21, TSX+23, THS21, VKK+21, WO21, YAP+22, ZJ22b, ZZCD23]. **Zooplankton-derived** [DVL+23]. **Zostera** [GGS+21, SIP21].

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[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.

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

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

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

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

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

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

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

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

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

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

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

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

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

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[BBMD20] Amelie C. Berger, Peter Berg, Karen J. McGlathery, and Marie Lise Delgard. Long-term trends and resilience of sea-

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

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

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

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[BCTH20] Marieke Beaulieu, Hubert Cabana, Zofia Taranu, and Yannick Huot. Predicting atrazine concentrations in waterbodies across the contiguous United States: The importance of land use, hydrology, and water physicochemistry. *Limnology and*

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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[BJS23a] Alex Barth, Rod Johnson, and Joshua Stone. Size and transparency influence diel vertical migration patterns in cope-

pods. *Limnology and Oceanography*, 68(12):2749–2758, December 2023. CODEN LIOCAH. ISSN 0024-3590.

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[BJS+23b] Abigail C. Bonnington, Rob C. Jamieson, Kathryn A. Smith, Allie Oliver, Lindsay H. Johnston, Nicole K. LeRoux, Lauren D. Somers, and Barret L. Kurylyk. Impacts of Extratropical Cyclone Fiona on a sensitive coastal lagoon ecosystem. *Limnology and Oceanography*, 68(12):2703–2715, December 2023. CODEN LIOCAH. ISSN 0024-3590.

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

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

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

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

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

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[BLS+22] Xavier Benito, Melina Luethje, Tobias Schneider, Sherilyn C. Fritz, Paul A. Baker, Eric J. Pedersen, Pierre Gaüzère, Majoi de Novaes Nascimento, Mark Bush, and Albert Ruhi. Ecological resilience in tropical Andean lakes: a paleolimnological perspective. *Limnology and Oceanography*, 67(S1):S23–S37, February 2022. 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.

Bartrons:2020:EBT

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

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

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

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[BMG+23] Giancarlo Bachi, Elisabetta Morelli, Margherita Gonnelli, Cecilia Balestra, Raffaella Casotti, Valtere Evangelista,

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

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

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

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

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

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[BMS+22] Jill L. Brooks, Jonathan D. Midwood, Adam Smith, Steven J. Cooke, Bryan Flood, Christine M. Boston, Patricia Semecsen, Susan E. Doka, and Mathew G. Wells. Internal seiches as drivers of fish depth use in lakes. *Limnology and Oceanography*, 67(5):1040–1051, May 2022. CODEN LIOCAH. ISSN 0024-3590.

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

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

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

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

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

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

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

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

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

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[BRCO21] Stéphane Blain, Mathieu Rembauville, Olivier Crispi, and Ingrid Obernosterer. Synchronized autonomous sampling reveals coupled pulses of biomass and export of morphologically different diatoms in the Southern Ocean. *Limnology*

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

Blain:2020:NEO

[BS20] Caitlin O. Blain and Nick T. Shears. Nutrient enrichment offsets the effects of low light on growth of the kelp *Ecklonia radiata*. *Limnology and Oceanography*, 66(5):2220–2235, September 2020. CODEN LIOCAH. ISSN 0024-3590.

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

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

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

water and particle-associated enzymatic activities from 30°S to 59°N in the Pacific Ocean. *Limnology and Oceanography*, 66(9):3489–3507, September 2021. CODEN LIOCAH. ISSN 0024-3590.

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

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

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

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

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

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

transition to synchrony in an upwelling-driven diatom community. *Limnology and Oceanography*, 67(S1):S298–S311, February 2022. CODEN LIOCAH. ISSN 0024-3590.

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

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

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

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

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

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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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[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

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

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

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

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

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

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[CCA+21] Timothy J. Caldwell, Sudeep Chandra, Thomas P. Albright, Adrian A. Harpold, Thomas E. Dilts, Jonathan A. Greenberg, Steve Sadro, and Michael D. Dettinger. Drivers and projections of ice phenology in mountain lakes in the western United States. *Limnology and Oceanography*, 66(3):995–1008, March 2021. CODEN LIOCAH. ISSN 0024-3590.

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[CCB+20] Baoshan Chen, Wei-Jun Cai, Jean R. Brodeur, Najid Hussain, Jeremy M. Testa, Wenfei Ni, and Qian Li. Seasonal and spatial variability in surface pCO_2 and air–water CO_2 flux in the Chesapeake Bay. *Limnology and Oceanography*, 66(6):3046–3065, December 2020. 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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[CCDM21] Craig T. Connolly, Byron C. Crump, Kenneth H. Dunton, and James W. McClelland. Seasonality of dissolved organic matter in lagoon ecosystems along the Alaska Beaufort Sea coast. *Limnology and Oceanography*, 66(12):4299–4313, December 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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[CCY+21] Qiuwen Chen, Yuchen Chen, Jun Yang, Stephen C. Maberly, Jianyun Zhang, Jinren Ni, Gangsheng Wang, Daniele Tonina, Lin Xiao, and Honghai Ma. Bacterial communities in cascade reservoirs along a large river. *Limnology and Oceanography*, 66(12):4363–4374, December 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.

Choisnard:2024:TFS

[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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[CEE+22] Matthew T. Costa, Exequiel Ezcurra, Paula Ezcurra, Pelayo Salinas de León, Benjamin Turner, Joy Kumagai, James Leichter, and Octavio Aburto-Oropeza. Sediment depth and accretion shape belowground mangrove carbon stocks across a range of climatic and geologic settings. *Limnology and Oceanography*, 67(S2):S104–S117, November 2022. 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.

Camarena-Gomez:2021:BDD

[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

river end? Drivers of spatiotemporal variability in CO_2 concentration and flux in the inflow area of a large boreal lake. *Limnology and Oceanography*, 65(6):1161–1174, June 2020. CODEN LIOCAH. ISSN 0024-3590.

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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.

Cook:2020:GMI

[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

Grossart, David P. Hamilton, Helong Jiang, Assaf Sukenik, Delphine Latour, Elisabeth I. Meyer, Judit Padisák, Boqiang Qin, Richard M. Zamor, and Guangwei Zhu. The global *Microcystis* interactome. *Limnology and Oceanography*, 65(S1): S194–S207, January 2020. CODEN LIOCAH. ISSN 0024-3590.

Cook:2021:CGM

[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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[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-

gists (diatoms to dinoflagellates) following a nutrient release from a mining facility in Florida. *Limnology and Oceanography*, 68(10):2288–2304, October 2023. CODEN LIOCAH. ISSN 0024-3590.

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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

nutrient replete conditions. *Limnology and Oceanography*, 66 (5):1613–1626, May 2021. CODEN LIOCAH. ISSN 0024-3590.

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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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[CÖL+20] Erik Caroselli, Hasan Baris Özalp, Maila Lavia, Francesca De Witt, Francesco Raimondi, and Stefano Goffredo. Population dynamics of a temperate coral along a depth gradient in the Dardanelles. *Limnology and Oceanography*, 66(10): 2676–2687, November 2020. CODEN LIOCAH. ISSN 0024-3590.

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[CP22] Andrew Clarke and Helen J. Peat. Seasonal and interannual variability of feeding in Antarctic benthos. *Limnology and Oceanography*, 67(4):962–972, April 2022. 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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[CSB22] Kevin A. Crook, Marcus Sheaves, and Adam Barnett. Species-specific foraging behaviors define the functional roles of sympatric stingrays. *Limnology and Oceanography*, 67(1): 219–230, January 2022. CODEN LIOCAH. ISSN 0024-3590.

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

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

Kalla L. Fleger, Xinyu Li, Macarena Martín-Mayor, Katelyn M. Schockman, and Zhaohui Aleck Wang. Uncertainty sources for measurable ocean carbonate chemistry variables. *Limnology and Oceanography*, 69(1):1–21, January 2024. CODEN LIOCAH. ISSN 0024-3590.

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

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[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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[CT23] Marianne G. Camoying and Scarlett Trimborn. Physiological response of an Antarctic cryptophyte to increasing temperature, CO_2, and irradiance. *Limnology and Oceanography*, 68 (8):1880–1894, August 2023. CODEN LIOCAH. ISSN 0024-3590.

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[CTF+21] Miriam Colls, Xisca Timoner, Carme Font, Vicenç Acuña, and Sergi Sabater. Biofilm pigments in temporary streams indicate duration and severity of drying. *Limnology and Oceanography*, 66(9):3313–3326, September 2021. 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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[CVF+20] Perrine Cruaud, Adrien Vigneron, Marie-Stéphanie Fradette, Caetano C. Dorea, Alexander I. Culley, Manuel J. Rodriguez, and Steve J. Charette. Annual bacterial community cycle in a seasonally ice-covered river reflects environmental and climatic conditions. *Limnology and Oceanography*, 65(S1): S21–S37, January 2020. 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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[CZK+23] Jessica R. Corman, Jacob A. Zwart, Jennifer Klug, Denise A. Bruesewitz, Elvira de Eyto, Marcus Klaus, Lesley B. Knoll, James A. Rusak, Michael J. Vanni, María Belén Alfonso, Rocio Luz Fernandez, Huaxia Yao, Kari Austnes, Raoul-Marie Couture, Heleen A. de Wit, Jan Karlsson, and Alo Laas. Response of lake metabolism to catchment inputs inferred using high-frequency lake and stream data from across the northern hemisphere. *Limnology and Oceanography*, 68(12): 2617–2631, December 2023. CODEN LIOCAH. ISSN 0024-3590.

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[CZS+22] Brian L. Collister, Richard C. Zimmerman, Charles I. Sukenik, William M. Balch, and Victoria J. Hill. The influence of particle concentration and bulk characteristics on polarized oceanographic lidar measurements. *Limnology and Oceanography*, 67(6):1374–1387, June 2022. CODEN LIOCAH. ISSN 0024-3590.

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

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

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[DAN+22] Jeremy Deeds, Aria Amirbahman, Stephen A. Norton, Linda C. Bacon, and Rachel A. Hovel. Shifting baselines and cross-scale drivers of lake water clarity: Applications for lake assessment. *Limnology and Oceanography*, 67(S1):S184–S197, February 2022. CODEN LIOCAH. ISSN 0024-3590.

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

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

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

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[DCF+22] Flavia Dory, Laurent Cavalli, Evelyne Franquet, Magalie Claeys-Bruno, Benjamin Misson, Thierry Tatoni, and Céline Bertrand. Summer dynamics drive the microbial response to carbon and nutrient additions in a high-altitude lake. *Limnology and Oceanography*, 67(5):1142–1156, May 2022. 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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[DdEM+23] Brian C. Doyle, Elvira de Eyto, Valerie McCarthy, Mary Dillane, and Eleanor Jennings. The organic carbon budget of an oligotrophic temperate peatland lake. *Limnology and Oceanography*, 68(3):544–556, March 2023. CODEN LIOCAH. ISSN 0024-3590.

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[DFJ22] Beatriz S. Dias, Michael G. Frisk, and Adrian Jordaan. Contrasting fishing effort reduction and habitat connectivity as management strategies to promote alewife (*Alosa pseudoharengus*) recovery using an ecosystem model. *Limnology and Oceanography*, 67(S1):S5–S22, February 2022. 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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[DGTW21] Amanda Gay DelVecchia, Steven Gougherty, Brad W. Taylor, and Scott A. Wissinger. Biogeochemical characteristics and hydroperiod affect carbon dioxide flux rates from

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

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[DGW+21] Patrick P. Downes, Stephen J. Goult, E. Malcolm S. Woodward, Claire E. Widdicombe, Karen Tait, and Joanna L. Dixon. Phosphorus dynamics in the Barents Sea. *Limnology and Oceanography*, 66(S1):S326–S342, February 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.

Du:2022:WDT

[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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[DMC+22] Jacob S. Diamond, Florentina Moatar, Matthew J. Cohen, Alain Poirel, Cécile Martinet, Anthony Maire, and Gilles Pinay. Metabolic regime shifts and ecosystem state changes are decoupled in a large river. *Limnology and Oceanography*, 67(S1):S54–S70, February 2022. CODEN LIOCAH. ISSN 0024-3590.

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[DMCW23] Marcin Krzysztof Dziuba, Florent Manzi, Slawek Cerbin, and Justyna Wolinska. Can climate warming save *Daphnia* from parasites? Reduced parasite prevalence in *Daphnia* populations from artificially heated lakes. *Limnology and Oceanography*, 68(1):181–191, January 2023. CODEN LIOCAH. ISSN 0024-3590.

deMelo:2020:LDO

[dMKB+20] Michaela L. de Melo, Dolly N. Kothawala, Stefan Bertilsson, João Henrique Amaral, Bruce Forsberg, and Hugo Sarmento. Linking dissolved organic matter composition and bacterioplankton communities in an Amazon floodplain system. *Limnology and Oceanography*, 65(1):63–76, January 2020. CODEN LIOCAH. ISSN 0024-3590.

Donis:2021:SSL

[DMM+21] Daphne Donis, Evanthia Mantzouki, Daniel F. McGinnis, Dominic Vachon, Irene Gallego, Hans-Peter Grossart, Lisette N. de Senerpont Domis, Sven Teurlincx, Laura Seelen, Miquel Lürling, Yvon Verstijnen, Valentini Maliaka, Jeremy Fonvielle, Petra M. Visser, Jolanda Verspagen, Maria van Herk, Maria G. Antoniou, Nikoletta Tsiarta, Valerie McCarthy, Victor C. Perello, Danielle Machado-Vieira, Alinne Gurjão de Oliveira, Dubravka Špoljarić Maronić, Filip Stević, Tanja Žuna Pfeiffer, Itana Bokan Vucelić, Petar Žutinić, Marija Gligora Udovič, Andelka Plenković-Moraj, Luděk Bláha, Rodan Geriš, Markéta Fránková, Kirsten Seestern Christoffersen, Trine Perlt Warming, Tõnu Feldmann, Alo Laas, Kristel Panksep, Lea Tuvikene, Kersti Kangro, Judita Koreivienė, Jūratė Karosienė, Jūratė Kasperovičienė, Ksenija Savadova-Ratkus, Irma Vitonytė, Kerstin Häggqvist, Pauliina Salmi, Lauri Arvola, Karl Rothhaupt, Christos Avagianos, Triantafyllos Kaloudis, Spyros Gkelis, Manthos Panou, Theodoros Triantis, Sevasti-Kiriaki Zervou, Anastasia Hiskia, Ulrike Obertegger, Adriano Boscaini, Giovanna Flaim, Nico Salmaso, Leonardo Cerasino, Sigrid Haande, Birger Skjelbred, Magdalena Grabowska, Maciej Karpowicz, Damian Chmura, Lidia Nawrocka, Justyna Kobos, Hanna Mazur-Marzec, Pablo Alcaraz-Párraga, Elżbieta Wilk-Woźniak, Wojciech Krztoń, Edward Walusiak, Ilona Gagala-Borowska, Joana Mankiewicz-Boczek, Magdalena Toporowska, Barbara Pawlik-Skowronska, Michał

Niedźwiecki, Wojciech Peczuła, Agnieszka Napiórkowska-Krzebietke, Julita Dunalska, Justyna Sieńska, Daniel Szymański, Marek Kruk, Agnieszka Budzyńska, Ryszard Goldyn, Anna Kozak, Joanna Rosińska, Elżbieta Szelag-Wasielewska, Piotr Domek, Natalia Jakubowska-Krepska, Kinga Kwasizur, Beata Messyasz, Aleksandra Pełechata, Mariusz Pełechaty, Mikolaj Kokocinski, Beata Madrecka-Witkowska, Iwona Kostrzewska-Szlakowska, Magdalena Frak, Agnieszka Bańkowska-Sobczak, Michał Wasilewicz, Agnieszka Ochocka, Agnieszka Pasztaleniec, Iwona Jasser, Ana M. Antão-Geraldes, Manel Leira, Vitor Vasconcelos, Joao Morais, Micaela Vale, Pedro M. Raposeiro, Vítor Gonçalves, Boris Aleksovski, Svetislav Krstić, Hana Nemova, Iveta Drastichova, Lucia Chomova, Spela Remec-Rekar, Tina Elersek, Lars-Anders Hansson, Pablo Urrutia-Cordero, Andrea G. Bravo, Moritz Buck, William Colom-Montero, Kristiina Mustonen, Don Pierson, Yang Yang, Jessica Richardson, Christine Edwards, Hannah Cromie, Jordi Delgado-Martín, David García, Jose Luís Cereijo, Joan Gomà, Mari Carmen Trapote, Teresa Vegas-Vilarrúbia, Biel Obrador, Ana García-Murcia, Monserrat Real, Elvira Romans, Jordi Noguero-Ribes, David Parreño Duque, Elísabeth Fernández-Morán, Bárbara Úbeda, José Ángel Gálvez, Núria Catalán, Carmen Pérez-Martínez, Eloísa Ramos-Rodríguez, Carmen Cillero-Castro, Enrique Moreno-Ostos, José María Blanco, Valeriano Rodríguez, Jorge Juan Montes-Pérez, Roberto L. Palomino, Estela Rodríguez-Pérez, Armand Hernández, Rafael Carballeira, Antonio Camacho, Antonio Picazo, Carlos Rochera, Anna C. Santamans, Carmen Ferriol, Susana Romo, Juan Miguel Soria, Arda Özen, Tünay Karan, Nilsun Demir, Meryem Beklioğlu, Nur Filiz, Eti Levi, Uğur Iskin, Gizem Bezirci, Ülkü Nihan Tavşanoğlu, Kemal Çelik, Koray Ozhan, Nusret Karakaya, Mehmet Ali Turan Koçer, Mete Yilmaz, Faruk Maraşlıoğlu, Özden Fakioglu, Elif Neyran Soylu, Meral Apaydın Yağcı, Şakir Çınar, Kadir Çapkın, Abdulkadir Yağcı, Mehmet Cesur, Fuat Bilgin, Cafer Bulut, Rahmi Uysal, Köker Latife, Reyhan Akçaalan, Meriç Albay, Mehmet Tahir Alp, Korhan Özkan, Tuğba Ongun Sevindik, Hatice Tunca, Burçin Önem, Hans Paerl, Cayelan C. Carey, and Bastiaan W. Ibelings. Stratification strength and light climate explain variation in chlorophyll-a at the continental scale in a European multilake survey in a heatwave summer. *Limnology and Oceanography*, 66(12):4314–4333, December 2021. 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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[DNA+22] Megan E. Duffy, Jacquelyn A. Neibauer, Jamee Adams, Rachel A. Lundeen, Gabrielle Rocap, Anitra E. Ingalls, Clara A. Fuchsman, and Richard G. Keil. Protein cycling in the eastern tropical North Pacific oxygen-deficient zone: a de novo-discovery peptidomic approach. *Limnology and Oceanography*, 67(2):498–510, February 2022. CODEN LIOCAH. ISSN 0024-3590.

Desmit:2020:CCC

[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 deeutrophication and sea surface warming. *Limnology and Oceanography*, 65(4):828–847, April 2020. CODEN LIOCAH. ISSN 0024-3590.

deOrte:2021:URC

[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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[DPB+23] Jacob S. Diamond, Gilles Pinay, Susana Bernal, Matthew J. Cohen, David Lewis, Anna Lupon, Jay Zarnetske, and Florentina Moatar. Light and hydrologic connectivity drive dissolved oxygen synchrony in stream networks. *Limnology and Oceanography*, 68(2):322–335, February 2023. CODEN LIOCAH. ISSN 0024-3590.

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[DRA+23] Amanda G. DelVecchia, Spencer Rhea, Kelly S. Aho, Emily H. Stanley, Erin R. Hotchkiss, Alice Carter, and Emily S. Bernhardt. Variability and drivers of CO_2, CH_4, and N_2O concentrations in streams across the United States. *Limnology and Oceanography*, 68(2):394–408, February 2023. CODEN LIOCAH. ISSN 0024-3590.

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[dSNIB22] Jaco C. de Smit, Muhammad S. Bin Mohd Noor, Eduardo Infantes, and Tjeerd J. Bouma. Wind exposure and sediment type determine the resilience and response of seagrass meadows to climate change. *Limnology and Oceanography*, 67(S1):S121–S132, February 2022. CODEN LIOCAH. ISSN 0024-3590.

Deemer:2020:CPL

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

Duan:2021:ESF

[DTPV21] Zhipeng Duan, Xiao Tan, Hans W. Paerl, and Dedmer B. Van de Waal. Ecological stoichiometry of functional traits in a colonial harmful cyanobacterium. *Limnology and Oceanography*, 66(5):2051–2062, May 2021. CODEN LIOCAH. ISSN 0024-3590.

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[DVL+23] Daniele De Corte, Marta M. Varela, Angeles M. Louro, Sarah K. Bercovici, Joaquín Valencia-Vila, Eva Sintes, Federico Baltar, Tamara Rodríguez-Ramos, Meinhard Simon, Antonio Bode, Thorsten Dittmar, and Jutta Niggemann.

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[DvOH+20] Tisja D. Daggers, Dick van Oevelen, Peter M. J. Herman, Henricus T. S. Boschker, and Daphne van der Wal. Spatial variability in macrofaunal diet composition and grazing pressure on microphytobenthos in intertidal areas. *Limnology and Oceanography*, 66(10):2819–2834, November 2020. CODEN LIOCAH. ISSN 0024-3590.

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[DWR+23] Geneviève D'Avignon, Duncan Wang, Heather B. Reid, Irene Gregory-Eaves, and Anthony Ricciardi. Effects of elevated temperature and microplastic exposure on growth and predatory performance of a freshwater fish. *Limnology and Oceanography*, 68(10):2245–2260, October 2023. CODEN LIOCAH. ISSN 0024-3590.

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

Deng:2021:PCB

[DWW+21] Wenchao Deng, Shanlin Wang, Xianhui Wan, Zhenzhen Zheng, Nianzhi Jiao, Shuh-Ji Kao, Jefferson Keith Moore, and Yao Zhang. Potential competition between marine heterotrophic prokaryotes and autotrophic picoplankton for nitrogen substrates. *Limnology and Oceanography*, 66(9):3338–3355, September 2021. CODEN LIOCAH. ISSN 0024-3590.

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

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[EBK+20] Natalya Evans, Elisabeth Boles, Jarek V. Kwiecinski, Susan Mullen, Martin Wolf, Allan H. Devol, Rintaro Moriyasu, SungHyun Nam, Andrew R. Babbin, and James W. Moffett. The role of water masses in shaping the distribution of redox active compounds in the Eastern Tropical North Pacific oxygen deficient zone and influencing low oxygen concentrations in the eastern Pacific Ocean. *Limnology and Oceanography*, 65(8):1688–1705, August 2020. CODEN LIOCAH. ISSN 0024-3590.

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

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

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

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

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[EFC+23] Chris D. Evans, Stacey L. Felgate, Steffi Carter, Mark Stinchcombe, Edward Mawji, Andrew P. Rees, Inma Lebron, Richard Sanders, Paul Brickle, and Daniel J. Mayor. Marine nutrient subsidies promote biogeochemical hotspots in undisturbed, highly humic estuaries. *Limnology and Oceanogra-*

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[EFG+24] Natalya Evans, Alexis E. Floback, Justin Gaffney, Peter J. Chace, Zachary Luna, Joël Knoery, Clare E. Reimers, and James W. Moffett. The role of seasonal hypoxia and benthic boundary layer exchange on iron redox cycling on the Oregon shelf. *Limnology and Oceanography*, 69(4):742–756, April 2024. CODEN LIOCAH. ISSN 0024-3590.

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[EFP+21] Nicolas R. Evensen, Maoz Fine, Gabriela Perna, Christian R. Voolstra, and Daniel J. Barshis. Remarkably high and consistent tolerance of a Red Sea coral to acute and chronic thermal stress exposures. *Limnology and Oceanography*, 66(5): 1718–1729, May 2021. CODEN LIOCAH. ISSN 0024-3590.

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[EG20] Elias Ehrlich and Ursula Gaedke. Coupled changes in traits and biomasses cascading through a tritrophic plankton food web. *Limnology and Oceanography*, 65(10):2502–2514, October 2020. CODEN LIOCAH. ISSN 0024-3590.

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

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[EJM+23] Sebastian Euler, Luke C. Jeffrey, Damien T. Maher, Scott G. Johnston, Ryo Sugimoto, and Douglas R. Tait. Methanogens limited to lower rhizosphere and to an atypical salt marsh niche along a pristine intertidal mangrove continuum. *Limnology and Oceanography*, 68(9):2167–2182, September 2023. CODEN LIOCAH. ISSN 0024-3590.

Egea:2023:EMH

[EJRRC+23] Luis G. Egea, Rocío Jiménez-Ramos, Cristina Romera-Castillo, Isabel Casal-Porras, Paula Bonet-Melià, Alba

Yamuza-Magdaleno, Lucía Cerezo-Sepúlveda, José L. Pérez-Lloréns, and Fernando G. Brun. Effect of marine heat waves on carbon metabolism, optical characterization, and bioavailability of dissolved organic carbon in coastal vegetated communities. *Limnology and Oceanography*, 68(2):467–482, February 2023. CODEN LIOCAH. ISSN 0024-3590.

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

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[EPR+24] Kate A. Evans, Logan M. Peoples, John R. Ranieri, Emma K. Wear, and Matthew J. Church. Mixing-driven changes in distributions and abundances of planktonic microorganisms in a large, oligotrophic lake. *Limnology and Oceanography*, 69(3):604–620, March 2024. CODEN LIOCAH. ISSN 0024-3590.

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

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

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[ETG21] Mariam Elmarsafy, Kayla L. Tasky, and Derek K. Gray. Can zooplankton on the North American Great Plains "keep up" with climate-driven salinity change? *Limnology and Oceanography*, 66(3):865–877, March 2021. CODEN LIOCAH. ISSN 0024-3590.

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[ETMD23] Natalya Evans, Juliana Tichota, James W. Moffett, and Allan H. Devol. Prolific nitrite reoxidation across the Eastern Tropical North Pacific Ocean. *Limnology and Oceanography*, 68(8):1719–1733, August 2023. CODEN LIOCAH. ISSN 0024-3590.

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[EWF22] Dorsa Elmi, Donald R. Webster, and David M. Fields. Copepod interaction with small-scale, dissipative eddies in turbulence: Comparison among three marine species. *Limnology and Oceanography*, 67(8):1820–1835, August 2022. CODEN LIOCAH. ISSN 0024-3590.

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[EWGP22] Meri Eichner, Dieter Wolf-Gladrow, and Helle Ploug. Carbonate chemistry in the microenvironment within cyanobacterial aggregates under present-day and future pCO_2 levels. *Limnology and Oceanography*, 67(1):203–218, January 2022. CODEN LIOCAH. ISSN 0024-3590.

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

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[FBJ+23] Jason B. Fellman, J. Ryan Bellmore, Connor Johnson, Matthew R. Dunkle, and Eran Hood. Glacier runoff influences biogeochemistry and resource availability in coastal temperate rainforest streams: Implications for juvenile salmon growth. *Limnology and Oceanography*, 68(1):70–83, January 2023. CODEN LIOCAH. ISSN 0024-3590.

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[FBK+22] C. Emi Fergus, J. Renée Brooks, Philip R. Kaufmann, Amina I. Pollard, Richard Mitchell, G. John Geldhof, Ryan A. Hill, Steven G. Paulsen, Paul Ringold, and Marc Weber. Natural and anthropogenic controls on lake water-level decline

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[FBP20] Leyden Fernandez, Stefan Bertilsson, and Sari Peura. Non-cyanobacterial diazotrophs dominate nitrogen-fixing communities in permafrost thaw ponds. *Limnology and Oceanography*, 65(S1):S180–S193, January 2020. CODEN LIOCAH. ISSN 0024-3590.

Favareto:2023:RPC

[FBR+23] Luciane Favareto, Vanda Brotas, Natalia Rudorff, Nuno Zacarias, Andreia Tracana, Luisa Lamas, Ângela Nascimento, Afonso Ferreira, Mara Gomes, Carlos Borges, Carla Palma, and Ana C. Brito. Response of phytoplankton to coastal upwelling: The importance of temporal and spatial scales. *Limnology and Oceanography*, 68(6):1376–1387, June 2023. CODEN LIOCAH. ISSN 0024-3590.

Ferronato:2023:WDC

[FBRG23] Carola Ferronato, Giuliana Berden, Martín Rivarossa, and Valeria A. Guinder. Wind-driven currents and water masses shape spring phytoplankton distribution and composition in hydrologically complex, productive shelf waters. *Limnology and Oceanography*, 68(10):2195–2210, October 2023. CODEN LIOCAH. ISSN 0024-3590.

Frenken:2023:LTN

[FBV23] Thijs Frenken, Karen M. Brandenburg, and Dedmer B. Van de Waal. Long-term nutrient load reductions and increasing lake TN : $TPstoichiometrydecreasephytoplanktonbiomassanddiversityinalargeshallowlak$ $(10) : 2389--2401, October 2023. CODENLIOCAH. ISSN 0024-$ 3590.

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[FDF+21] Christopher L. Follett, Stephanie Dutkiewicz, Gael Forget, B. B. Cael, and Michael J. Follows. Moving ecological and biogeochemical transitions across the North Pacific. *Limnology and Oceanography*, 66(6):2442–2454, June 2021. CODEN LIOCAH. ISSN 0024-3590.

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[FDHS20] Franziska Frank, Michael Danger, Helmut Hillebrand, and Maren Striebel. Stoichiometric constraints on phytoplank-

ton resource use efficiency in monocultures and mixtures. *Limnology and Oceanography*, 65(8):1734–1746, August 2020. CODEN LIOCAH. ISSN 0024-3590.

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[FGO+20] Peter J. S. Franks, Jessica C. Garwood, Michael Ouimet, Jorge Cortes, Ruth C. Musgrave, and Andrew J. Lucas. Stokes drift of plankton in linear internal waves: Cross-shore transport of neutrally buoyant and depth-keeping organisms. *Limnology and Oceanography*, 65(6):1286–1296, June 2020. CODEN LIOCAH. ISSN 0024-3590.

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[FGP22] Jonathan E. Falciani, Maria Grigoratou, and Andrew J. Pershing. Optimizing fisheries for blue carbon management: Why size matters. *Limnology and Oceanography*, 67(S2): S171–S179, November 2022. CODEN LIOCAH. ISSN 0024-3590.

Fischer:2020:RAD

[FHMK20] Alexis D. Fischer, Kendra Hayashi, Anna McGaraghan, and Raphael M. Kudela. Return of the "age of dinoflagellates" in Monterey Bay: Drivers of dinoflagellate dominance examined using automated imaging flow cytometry and long-term time series analysis. *Limnology and Oceanography*, 66(5):2125–2141, September 2020. CODEN LIOCAH. ISSN 0024-3590.

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[FHR+21] Margaux Filippi, Alireza Hadjighasem, Matt Rayson, Irina I. Rypina, Greg Ivey, Ryan Lowe, James Gilmour, and Thomas Peacock. Investigating transport in a tidally driven coral atoll flow using Lagrangian coherent structures. *Limnology and Oceanography*, 66(11):4017–4027, November 2021. CODEN LIOCAH. ISSN 0024-3590.

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[FIH+20] Tetsuichi Fujiki, Ryuichiro Inoue, Makio C. Honda, Masahide Wakita, Yoshihisa Mino, Chiho Sukigara, and Osamu Abe. Time-series observations of photosynthetic oxygen production in the subtropical western North Pacific by an underwater profiling buoy system. *Limnology and Oceanography*, 65(5):1072–1084, May 2020. CODEN LIOCAH. ISSN 0024-3590.

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[FJP+21] Joana Nascimento Fernandes, David Jacinto, Nélia Penteado, Alina Sousa, David Mateus, Maria Inês Seabra, Teresa Silva, Paola Castellanos, João José Castro, and Teresa Cruz. Ten years of monitoring recruitment of the edible stalked barnacle *Pollicipes pollicipes*: linking to oceanographic variability. *Limnology and Oceanography*, 66(6):2309–2318, June 2021. CODEN LIOCAH. ISSN 0024-3590.

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[FKN21] Florybeth Flores La Valle, Michael B. Kantar, and Craig E. Nelson. Coral reef benthic community structure is associated with the spatiotemporal dynamics of submarine groundwater discharge chemistry. *Limnology and Oceanography*, 66(1): 188–200, January 2021. CODEN LIOCAH. ISSN 0024-3590.

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[FLH+23] Jiale Fan, Futian Li, Siyu Hu, Kunshan Gao, and Juntian Xu. Larger diatoms are more sensitive to temperature changes and prone to succumb to warming stress. *Limnology and Oceanography*, 68(11):2512–2528, November 2023. CODEN LIOCAH. ISSN 0024-3590.

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[FLW+21] Marc E. Frischer, Lauren M. Lamboley, Tina L. Walters, Jay A. Brandes, Erin Arneson, Lulu E. Lacy, Natalia B. López-Figueroa, Áurea E. Rodríguez-Santiago, and Deidre M. Gibson. Selective feeding and linkages to the microbial food web by the doliolid *Dolioletta gegenbauri*. *Limnology and Oceanography*, 66(5):1993–2010, May 2021. CODEN LIOCAH. ISSN 0024-3590.

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[FM21] Pedro Flombaum and Adam C. Martiny. Diverse but uncertain responses of picophytoplankton lineages to future cli-

mate change. *Limnology and Oceanography*, 66(12):4171–4181, December 2021. CODEN LIOCAH. ISSN 0024-3590.

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[FMT+20] Therese C. Frauendorf, Richard A. MacKenzie, Ralph W. Tingley III, Dana M. Infante, and Rana W. El-Sabaawi. Using a space-for-time substitution approach to predict the effects of climate change on nutrient cycling in tropical island stream ecosystems. *Limnology and Oceanography*, 66 (6):3114–3127, December 2020. CODEN LIOCAH. ISSN 0024-3590.

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[FNB+23] Georgina J. L. Flowers, Hazel R. Needham, Richard H. Bulmer, Andrew M. Lohrer, and Conrad A. Pilditch. Going under: The implications of sea-level rise and reduced light availability on intertidal primary production. *Limnology and Oceanography*, 68(6):1301–1315, June 2023. CODEN LIOCAH. ISSN 0024-3590.

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[FPB+23] Paul C. Frost, Nolan J. T. Pearce, Stella A. Berger, Mark O. Gessner, A. Katharina Makower, Vanessa Marzetz, Jens C. Nejstgaard, Aljona Pralle, Svenja Schälicke, Alexander Wacker, Nicole D. Wagner, and Marguerite A. Xenopoulos. Interactive effects of nitrogen and phosphorus on growth and stoichiometry of lake phytoplankton. *Limnology and Oceanography*, 68(5):1172–1184, May 2023. CODEN LIOCAH. ISSN 0024-3590.

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[FPBG+22] Christine Ferrier-Pagès, Vanessa Bednarz, Renaud Grover, Yehuda Benayahu, Jean-François Maguer, Cecile Rottier, Joerg Wiedenmann, and Maoz Fine. Symbiotic stony and soft corals: Is their host-algae relationship really mutualistic at lower mesophotic reefs? *Limnology and Oceanography*, 67(1): 261–271, January 2022. CODEN LIOCAH. ISSN 0024-3590.

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[FPG+24] Alexander Feckler, Sebastian Pietz, Sara Gonçalves, Verena Gerstle, Ute Risse-Buhl, and Mirco Bundschuh. Detritivore physiology and growth benefit from algal presence during microbial leaf colonization. *Limnology and Oceanography*, 69(4): 848–860, April 2024. CODEN LIOCAH. ISSN 0024-3590.

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[FR23] Diana N. Fontaine and Tatiana A. Rynearson. Multi-year time series reveals temporally synchronous diatom communities with annual frequency of recurrence in a temperate estuary. *Limnology and Oceanography*, 68(9):1982–1994, September 2023. CODEN LIOCAH. ISSN 0024-3590.

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[FRRG+21] Encarnación Fenoy, Juan Rubio-Ríos, José M. González, María J. Salinas, Francisco J. Moyano, and J. Jesús Casas. Strategies of shredders when feeding on low-quality leaf-litter: Local population adaptations or fixed species traits? *Limnology and Oceanography*, 66(5):2063–2077, May 2021. CODEN LIOCAH. ISSN 0024-3590.

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[FSH+23] Lukas Fröhlich, Valentin Siebert, Qian Huang, Julien Thébault, Brivaëla Moriceau, Klaus Peter Jochum, and Bernd R. Schöne. Uptake of barium, molybdenum, and lithium and incorporation into scallop shells: Refining proxies for primary production dynamics. *Limnology and Oceanography*, 68(11):2544–2561, November 2023. CODEN LIOCAH. ISSN 0024-3590.

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[FSM+21] Hannah M. Ferguson, Elizabeth J. Slagle, Ann Ashlea McCann, Jeremy T. Walls, Kevin H. Wyatt, and Allison R. Rober. Greening of the boreal peatland food web: Periphyton supports secondary production in northern peatlands. *Limnology and Oceanography*, 66(5):1743–1758, May 2021. CODEN LIOCAH. ISSN 0024-3590.

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[FSS+23] Claudia Frey, Xin Sun, Laura Szemberski, Karen L. Casciotti, Emilio Garcia-Robledo, Amal Jayakumar, Colette L. Kelly, Moritz F. Lehmann, and Bess B. Ward. Kinetics of nitrous oxide production from ammonia oxidation in the Eastern Tropical North Pacific. *Limnology and Oceanography*, 68 (2):424–438, February 2023. CODEN LIOCAH. ISSN 0024-3590.

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[FW21] Kelley A. Fritz and Matt R. Whiles. Reciprocal subsidies between temporary ponds and riparian forests. *Limnology and Oceanography*, 66(8):3149–3161, August 2021. CODEN LIOCAH. ISSN 0024-3590.

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[FWDY20] Bryan Flood, Mathew Wells, Erin Dunlop, and Joelle Young. Internal waves pump waters in and out of a deep coastal embayment of a large lake. *Limnology and Oceanography*, 65 (2):205–223, February 2020. CODEN LIOCAH. ISSN 0024-3590.

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[FWT+20] Thijs Frenken, Justyna Wolinska, Yile Tao, Thomas Rohrlack, and Ramsy Agha. Infection of filamentous phytoplankton by fungal parasites enhances herbivory in pelagic food webs. *Limnology and Oceanography*, 66(10):2618–2626, November 2020. CODEN LIOCAH. ISSN 0024-3590.

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[FWvA+21] Eduard Fadeev, Matthias Wietz, Wilken-Jon von Appen, Morten H. Iversen, Eva-Maria Nöthig, Anja Engel, Julia Grosse, Martin Graeve, and Antje Boetius. Submesoscale physicochemical dynamics directly shape bacterioplankton community structure in space and time. *Limnology and Oceanography*, 66(7):2901–2913, July 2021. CODEN LIOCAH. ISSN 0024-3590.

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[FXD+22] Wenjing Fu, Xiaomei Xu, Ellen M. Druffel, Xuchen Wang, Shuwen Sun, Chunle Luo, Hongmei Zhang, and Di Fan. Carbon isotopic constraints on the degradation and sequestration of organic matter in river-influenced marginal sea sediments. *Limnology and Oceanography*, 67(S2):S61–S75, November 2022. CODEN LIOCAH. ISSN 0024-3590.

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[GAS+21] Raphael Gollnisch, Teodor Alling, Maria Stockenreiter, Dag Ahrén, Magdalena Grabowska, and Karin Rengefors. Calcium and pH interaction limits bloom formation and expansion of a nuisance microalga. *Limnology and Oceanography*, 66(9):3523–3534, September 2021. CODEN LIOCAH. ISSN 0024-3590.

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[GAS+23] Jinqiang Guo, Eric P. Achterberg, Yuan Shen, Huamao Yuan, Jinming Song, Jin Liu, Xuegang Li, and Liqin Duan. Stable carbon isotopic composition of amino sugars in heterotrophic bacteria and phytoplankton: Implications for assessment of marine organic matter degradation. *Limnology and Oceanography*, 68(12):2814–2825, December 2023. CODEN LIOCAH. ISSN 0024-3590.

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[GB21] Alireza Ghane and Leon Boegman. Turnover in a small Canadian Shield lake. *Limnology and Oceanography*, 66(9):3356–3373, September 2021. CODEN LIOCAH. ISSN 0024-3590.

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[GB23] Alireza Ghane and Leon Boegman. The dissolved oxygen budget of a small Canadian Shield lake during winter. *Limnology and Oceanography*, 68(1):265–283, January 2023. CODEN LIOCAH. ISSN 0024-3590.

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[GBB+21] Catarina V. Guerreiro, Karl-Heinz Baumann, Geert-Jan A. Brummer, André Valente, Gerhard Fischer, Patrizia Ziveri, Vanda Brotas, and Jan-Berend W. Stuut. Carbonate fluxes by coccolithophore species between NW Africa and the Caribbean: Implications for the biological carbon pump. *Limnology and Oceanography*, 66(8):3190–3208, August 2021. CODEN LIOCAH. ISSN 0024-3590.

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[GBHF21] Noah P. Germolus, Patrick L. Brezonik, Raymond M. Hozalski, and Jacques C. Finlay. Long-term water color and flow trends in the Mississippi River headwaters, 1944–2010. *Limnology and Oceanography*, 66(9):3552–3567, September 2021. 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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[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-

tuarine retention of larvae: Contrasting effects of behavioral responses to turbulence and waves. *Limnology and Oceanography*, 67(4):992–1005, April 2022. CODEN LIOCAH. ISSN 0024-3590.

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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.

Garcia-Giron:2020:ELM

[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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[GKW+21] 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. Corrigendum to: Photosynthesis-driven methane production in oxic lake water as an important contributor to methane emission. *Limnology and Oceanography*, 65(6):2583, June 2021. 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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[GMI+21] Charlotte Grasset, Simone Moras, Anastasija Isidorova, Raoul-Marie Couture, Annika Linkhorst, and Sebastian Sobek. An empirical model to predict methane production in inland water sediment from particular organic matter supply and reactivity. *Limnology and Oceanography*, 66(10):3643–3655, October 2021. 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.

Gland:2024:BSS

[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].

Giling:2021:C

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

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

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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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[JREVB21] Rocío Jiménez-Ramos, Luis G. Egea, Juan J. Vergara, and Fernando G. Brun. Factors modulating herbivory patterns in *Cymodocea nodosa* meadows. *Limnology and Oceanography*, 66(6):2218–2233, June 2021. CODEN LIOCAH. ISSN 0024-3590.

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[JSB+20] Sarah Ellen Johnston, Robert G. Striegl, Matthew J. Bogard, Mark M. Dornblaser, David E. Butman, Anne M. Kellerman, Kimberly P. Wickland, David C. Podgorski, and Robert G. M. Spencer. Hydrologic connectivity determines dissolved organic matter biogeochemistry in northern high-latitude lakes. *Limnology and Oceanography*, 65(8):1764–1780, August 2020. 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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[KAC+23] Kasia M. Kenitz, Clarissa R. Anderson, Melissa L. Carter, Emily Eggleston, Kristi Seech, Rebecca Shipe, Jayme Smith, Eric C. Orenstein, Peter J. S. Franks, Jules S. Jaffe, and Andrew D. Barton. Environmental and ecological drivers

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[KAP+20] Anne M. Kellerman, Ana Arellano, David C. Podgorski, Ellen E. Martin, Jonathan B. Martin, Kelly M. Deuerling, Thomas S. Bianchi, and Robert G. M. Spencer. Fundamental drivers of dissolved organic matter composition across an Arctic effective precipitation gradient. *Limnology and Oceanography*, 65(6):1217–1234, June 2020. CODEN LIOCAH. ISSN 0024-3590.

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[KBB+22] Tomoko Komada, Anthony Bravo, Mandy-Tanita Brinkmann, Kevin Lu, Lily Wong, and Gavin Shields. "Slow" and "fast" in blue carbon: Differential turnover of allochthonous and autochthonous organic matter in minerogenic salt marsh sediments. *Limnology and Oceanography*, 67(S2):S133–S147, November 2022. CODEN LIOCAH. ISSN 0024-3590.

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[KBL+20] Jeffrey W. Krause, Mark A. Brzezinski, John L. Largier, Heather M. McNair, Michael Maniscalco, Kay D. Bidle, Andrew E. Allen, and Kimberlee Thamatrakoln. The interaction of physical and biological factors drives phytoplankton spatial distribution in the northern California Current. *Limnology and Oceanography*, 65(9):1974–1989, September 2020. CODEN LIOCAH. ISSN 0024-3590.

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[KBSA21] Jongsun Kim, Mark J. Brush, Bongkeun Song, and Iris C. Anderson. Reconstructing primary production in a changing estuary: a mass balance modeling approach. *Limnology and Oceanography*, 65(6):2535–2546, June 2021. CODEN LIOCAH. ISSN 0024-3590.

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[KBvdD+20] Laura F. Korte, Geert-Jan A. Brummer, Michèlle van der Does, Catarina V. Guerreiro, Furu Mienis, Chris I. Munday, Leandro Ponsoni, Stefan Schouten, and Jan-Berend W. Stuut. Multiple drivers of production and particle export in the western tropical North Atlantic. *Limnology and Oceanog-*

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[KCT23] Stein Kaartvedt, Svenja Christiansen, and Josefin Titelman. Mid-summer fish behavior in a high-latitude twilight zone. *Limnology and Oceanography*, 68(7):1654–1669, July 2023. CODEN LIOCAH. ISSN 0024-3590.

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[KdED+20] Seán Kelly, Elvira de Eyto, Mary Dillane, Russell Poole, and Martin White. Characterizing ventilation events in an anoxic coastal basin: Observed dynamics and the role of climatic drivers. *Limnology and Oceanography*, 65(10):2420–2442, October 2020. CODEN LIOCAH. ISSN 0024-3590.

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

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[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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[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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[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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[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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[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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[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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[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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[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

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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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[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].

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Liu:2021:QDP

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

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

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

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[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.

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[LG21] Priscilla K. Le Mézo and Eric D. Galbraith. The fecal iron pump: Global impact of animals on the iron stoichiometry of marine sinking particles. *Limnology and Oceanography*, 66 (1):201–213, January 2021. 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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[LHD+20] Annika Linkhorst, Carolin Hiller, Tonya DelSontro, Guilherme M. Azevedo, Nathan Barros, Raquel Mendonça, and Sebastian Sobek. Comparing methane ebullition variability across space and time in a Brazilian reservoir. *Limnology and Oceanography*, 65(7):1623–1634, July 2020. CODEN LIOCAH. ISSN 0024-3590.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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[LRdGFP23] Kiara Lange, Stéphanie Reynaud, Jasper M. de Goeij, and Christine Ferrier-Pagès. The effects of dissolved organic matter supplements on the metabolism of corals under heat stress. *Limnology and Oceanography*, 68(12):2774–2788, December 2023. CODEN LIOCAH. ISSN 0024-3590.

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[LRNG24] Roel Lammerant, Eva Karin Rohlfer, Alf Norkko, and Camilla Gustafsson. Seasonality strongly affects short-term c-storage in coastal macrophyte communities. *Limnology and Oceanography*, 69(3):700–711, March 2024. CODEN LIOCAH. ISSN 0024-3590.

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

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

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

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

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

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[LvBS+22] Morgane Léon, Pieter van Beek, Jan Scholten, Willard S. Moore, Marc Souhaut, Joselene De Oliveira, Catherine Jeandel, Patrick Seyler, and Julien Jouanno. Use of ^{223}Ra and ^{224}Ra as chronometers to estimate the residence time of Amazon waters on the Brazilian continental shelf. *Limnology and Oceanography*, 67(4):753–767, April 2022. CODEN LIOCAH. ISSN 0024-3590.

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[MAD+22] Michaela A. Mausz, Ruth L. Airs, Joanna L. Dixon, Claire E. Widdicombe, Glen A. Tarran, Luca Polimene, Sarah Dashfield, Rachael Beale, David J. Scanlan, and Yin Chen. Microbial uptake dynamics of choline and glycine betaine in coastal seawater. *Limnology and Oceanography*, 67(5):1052–1064, May 2022. CODEN LIOCAH. ISSN 0024-3590.

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

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

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

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[MBC+21] Raquel Marques, Delphine Bonnet, Claire Carré, Cécile Roques, and Audrey M. Darnaude. Trophic ecology of a blooming jellyfish (*Aurelia coerulea*) in a Mediterranean coastal lagoon. *Limnology and Oceanography*, 66(1):141–157, January 2021. CODEN LIOCAH. ISSN 0024-3590.

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

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

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

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

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[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.

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

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

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

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

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

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

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

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

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

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

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

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

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

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[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.

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[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.

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

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

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

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

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

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[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

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

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[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.

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[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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[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-*

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

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[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.

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

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

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

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[MSB+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.

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

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

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[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.

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[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.

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[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.

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[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.

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[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.

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[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.

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[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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[MV22a] Saara Mäkelin and Anna Villnäs. Corrigendum: Food sources drive temporal variation in elemental stoichiometry of benthic consumers. *Limnology and Oceanography*, 67(8):1891–1893, August 2022. 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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[MVP+20] John A. Marino, Jr., Henry A. Vanderploeg, Steven A. Pothoven, Ashley K. Elgin, and Scott D. Peacor. Long-term survey data reveal large predator and temperature effects on population growth of multiple zooplankton species. *Limnology and Oceanography*, 65(4):694–706, April 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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[MWV22] Benjamin E. Martin, Jake R. Walsh, and M. Jake Vander Zanden. Rise of a native apex predator and an invasive zooplankton cause successive ecological regime shifts in a North Temperate Lake. *Limnology and Oceanography*, 67(S1):S163–S172, February 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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[NB23] Sarina Niedzwiedz and Kai Bischof. Glacial retreat and rising temperatures are limiting the expansion of temperate kelp species in the future Arctic. *Limnology and Oceanography*, 68(4):816–830, April 2023. CODEN LIOCAH. ISSN 0024-3590.

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

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[NDP+24] Mayara Pereira Neves, Rosilene Luciana Delariva, Daniel M. Perkins, Clarice Bernhardt Fialho, and Pavel Kratina. 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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[NKH+23] Philipp A. Nauer, Adam J. Kessler, Puspitaningsih Hall, Maria Elena Popa, Sophie ten Hietbrink, Tess Hutchinson, Wei Wen Wong, Karl Attard, Ronnie N. Glud, Chris Greening, and Perran L. M. Cook. Pulses of labile carbon cause transient decoupling of fermentation and respiration in permeable sediments. *Limnology and Oceanography*, 68(9):2141–2152, September 2023. 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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[OFM+21] Daniel Ottmann, Øyvind Fiksen, Melissa Martín, Francisco Alemany, Laura Prieto, Diego Álvarez-Berastegui, and Patricia Reglero. Spawning site distribution of a bluefin tuna reduces jellyfish predation on early life stages. *Limnology and Oceanography*, 66(10):3669–3681, October 2021. CODEN LIOCAH. ISSN 0024-3590.

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[OGD20] Alejandra Ortega, Nathan R. Geraldi, and Carlos M. Duarte. Environmental DNA identifies marine macrophyte contributions to Blue Carbon sediments. *Limnology and Oceanography*, 66(6):3139–3149, December 2020. 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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[OLFH21] Daniel P. Owen, Matthew H. Long, William K. Fitt, and Brian M. Hopkinson. Taxon-specific primary production rates on coral reefs in the Florida Keys. *Limnology and Oceanography*, 66(3):625–638, March 2021. CODEN LIOCAH. ISSN 0024-3590.

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[OLR+23] Daniel Ottmann, Tom J. Langbehn, Patricia Reglero, Diego Alvarez-Berastegui, and Øyvind Fiksen. Model of mesopelagic fish predation on eggs and larvae shows benefits of tuna spawning under full moon. *Limnology and Oceanography*, 68(12):2632–2641, December 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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[ORE20] Joanne M. Oakes, Philip M. Riekenberg, and Bradley D. Eyre. Assimilation and short-term processing of microphytobenthos nitrogen in intertidal sediments. *Limnology and Oceanography*, 65(10):2377–2389, October 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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[PATL+23] John K. Pearman, Janet Adamson, Georgia Thomson-Laing, Lucy Thompson, Sean Waters, Marcus J. Vandergoes,

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[PBC21] Michael L. Pace, Cal D. Buelo, and Stephen R. Carpenter. Phytoplankton biomass, dissolved organic matter, and temperature drive respiration in whole lake nutrient additions. *Limnology and Oceanography*, 66(6):2174–2186, June 2021. CODEN LIOCAH. ISSN 0024-3590.

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[PBGGRB21] Andrés Posada-Bedoya, Andrés Gómez-Giraldo, and Ricardo Román-Botero. Effects of riverine inflows on the climatology of a tropical Andean reservoir. *Limnology and Oceanography*, 66(9):3535–3551, September 2021. 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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[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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[PFH21] W. Bryce Penta, James Fox, and Kimberly H. Halsey. Rapid photoacclimation during episodic deep mixing augments the biological carbon pump. *Limnology and Oceanography*, 66(5): 1850–1866, May 2021. 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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[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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[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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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[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.

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

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

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

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

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[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.

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[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.

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

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[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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[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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[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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[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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[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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[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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[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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[SPR22] Andre R. Siebers, Amael Paillex, and Christopher T. Robinson. Seasonal and functional variation in the trophic base of intermittent alpine streams. *Limnology and Oceanography*, 67(5):1098–1110, May 2022. CODEN LIOCAH. ISSN 0024-3590.

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[SRL+20] Robert W. Sterner, Kaitlin L. Reinl, Brenda Moraska Lafrancois, Sandra Brovold, and Todd R. Miller. A first assessment of cyanobacterial blooms in oligotrophic Lake Superior. *Limnology and Oceanography*, 66(6):2984–2998, December 2020. CODEN LIOCAH. ISSN 0024-3590.

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[SRM23] Angela R. Stahl, Tatiana A. Rynearson, and Kelton W. McMahon. Amino acid carbon isotope fingerprints are unique among eukaryotic microalgal taxonomic groups. *Limnology and Oceanography*, 68(6):1331–1345, June 2023. CODEN LIOCAH. ISSN 0024-3590.

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[SRN+21] Ken Schoutens, Svenja Reents, Stefanie Nolte, Ben Evans, Maike Paul, Matthias Kudella, Tjeerd Bouma, Iris Möller, and Stijn Temmerman. Survival of the thickest? Impacts of extreme wave-forcing on marsh seedlings are mediated by species morphology. *Limnology and Oceanography*, 66(7): 2936–2951, July 2021. 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

habitat. *Limnology and Oceanography*, 68(5):1019–1036, May 2023. CODEN LIOCAH. ISSN 0024-3590.

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[SSB+22] Xuerong Sun, Fang Shen, Robert J. W. Brewin, Mengyu Li, and Qing Zhu. Light absorption spectra of naturally mixed phytoplankton assemblages for retrieval of phytoplankton group composition in coastal oceans. *Limnology and Oceanography*, 67(4):946–961, April 2022. CODEN LIOCAH. ISSN 0024-3590.

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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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[SSK24] Marta Szczepanek, Marc J. Silberberger, and Monika Kedra. Functional structure and diversity of marine benthos reflect food availability and quality, as evidenced by isotopic diversity. *Limnology and Oceanography*, 69(4):757–771, April 2024. 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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[SSM+22b] Herdís G. R. Steinsdóttir, Clemens Schauberger, Snehit Mhatre, Bo Thamdrup, and Laura A. Bristow. Aerobic and anaerobic methane oxidation in a seasonally anoxic basin. *Limnology and Oceanography*, 67(6):1257–1273, June 2022. CODEN LIOCAH. ISSN 0024-3590.

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[SSP+20] Charles A. Schutte, Vladimir A. Samarkin, Brian Peters, Michael T. Madigan, Marshall Bowles, Rachael Morgan-Kiss, Karen Casciotti, and Samantha Joye. Vertical stratification and stability of biogeochemical processes in the deep saline

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[SSR+23] Brianna C. Stanley, Rachel E. Sipler, Quinn N. Roberts, Jenna L. Spackeen, E. Zane Norton, and Deborah A. Bronk. Late-season nitrogen uptake across the western coastal Alaskan Arctic. *Limnology and Oceanography*, 68(8): 1687–1703, August 2023. CODEN LIOCAH. ISSN 0024-3590.

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[SSS+20] James Z. Sippo, Christian J. Sanders, Isaac R. Santos, Luke C. Jeffrey, Mitchell Call, Yota Harada, Kylie Maguire, Dylan Brown, Stephen R. Conrad, and Damien T. Maher. Coastal carbon cycle changes following mangrove loss. *Limnology and Oceanography*, 66(10):2642–2656, November 2020. CODEN LIOCAH. ISSN 0024-3590.

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[SSS+24] Marta Sebastián, Pablo Sánchez, Guillem Salazar, Xosé A. Álvarez-Salgado, Isabel Reche, Xosé Anxelu G. Morán, Maria Montserrat Sala, Carlos M. Duarte, Silvia G. Acinas, and Josep M. Gasol. Water aging and the quality of organic carbon sources drive niche partitioning of the active bathypelagic prokaryotic microbiome. *Limnology and Oceanography*, 69(3):562–575, March 2024. CODEN LIOCAH. ISSN 0024-3590.

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[SSWM20] Thomas Steinsberger, Robert Schwefel, Alfred Wüest, and Beat Müller. Hypolimnetic oxygen depletion rates in deep lakes: Effects of trophic state and organic matter accumulation. *Limnology and Oceanography*, 66(6):3128–3138, December 2020. CODEN LIOCAH. ISSN 0024-3590.

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[ST22] Kelly R. Sutherland and Anne W. Thompson. Pelagic tunicate grazing on marine microbes revealed by integrative approaches. *Limnology and Oceanography*, 67(1):102–121, January 2022. CODEN LIOCAH. ISSN 0024-3590.

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[STB22] Nicolas Schiffrine, Jean-Éric Tremblay, and Marcel Babin. Interactive effects of temperature and nitrogen source on the elemental stoichiometry of a polar diatom. *Limnology and Oceanography*, 67(12):2750–2762, December 2022. CODEN LIOCAH. ISSN 0024-3590.

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[SVBT20] Lennert Schepers, Alexander Van Braeckel, Tjeerd J. Bouma, and Stijn Temmerman. How progressive vegetation die-off in a tidal marsh would affect flow and sedimentation patterns: a field demonstration. *Limnology and Oceanography*, 65(2): 401–412, February 2020. CODEN LIOCAH. ISSN 0024-3590.

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[SWB+20] Brandon M. Stephens, Scott D. Wankel, J. Michael Beman, Ariel J. Rabines, Andrew E. Allen, and Lihini I. Aluwihare. Euphotic zone nitrification in the California Current ecosystem. *Limnology and Oceanography*, 65(4):790–806, April 2020. CODEN LIOCAH. ISSN 0024-3590.

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[SWC+23] Connor H. Shea, Paul K. Wojtal, Hilary G. Close, Amy E. Maas, Karen Stamieszkin, Joseph S. Cope, Deborah K. Steinberg, Natalie Wallsgrove, and Brian N. Popp. Small particles and heterotrophic protists support the mesopelagic zooplankton food web in the subarctic northeast Pacific Ocean. *Limnology and Oceanography*, 68(8):1949–1963, August 2023. CODEN LIOCAH. ISSN 0024-3590.

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[SWOR20] Anne E. Scofield, James M. Watkins, Eric Osantowski, and Lars G. Rudstam. Deep chlorophyll maxima across a trophic state gradient: a case study in the Laurentian Great Lakes. *Limnology and Oceanography*, 65(10):2460–2484, October 2020. CODEN LIOCAH. ISSN 0024-3590.

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[SWZ+23] Hua-Xia Sheng, Xianhui S. Wan, Bobo Zou, Youfang Sun, Buce Hanoch, Wenbin Zou, Weidi Yang, Siqi Wu, Hui Huang, Bess B. Ward, and Shuh-Ji Kao. An efficient diazotroph-derived nitrogen transfer pathway in coral reef system. *Limnology and Oceanography*, 68(4):963–981, April 2023. CODEN LIOCAH. ISSN 0024-3590.

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[SYMF21] Xinhui Shen, Xin Yao, Marcos, and Henry C. Fu. Can the mechanoreceptional setae of a feeding-current feeding cope-

pod detect hydrodynamic disturbance induced by entrained free-floating prey? *Limnology and Oceanography*, 66(12): 4096–4111, December 2021. CODEN LIOCAH. ISSN 0024-3590.

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

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[SZA+21] Arial J. Shogren, Jay P. Zarnetske, Benjamin W. Abbott, Frances Iannucci, Alexander Medvedeff, Sam Cairns, Megan J. Duda, and William B. Bowden. Arctic concentration–discharge relationships for dissolved organic carbon and nitrate vary with landscape and season. *Limnology and Oceanography*, 66(S1):S197–S215, February 2021. CODEN LIOCAH. ISSN 0024-3590.

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

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[TATC+24] Sze-Wing To, Esteban Acevedo-Trejos, Subhendu Chakraborty, Francesco Pomati, and Agostino Merico. Grazing strategies determine the size composition of phytoplankton in eutrophic lakes. *Limnology and Oceanography*, 69(4):933–946, April 2024. CODEN LIOCAH. ISSN 0024-3590.

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[TBH+22] Jeremy M. Testa, Walter R. Boynton, Casey L. S. Hodgkins, Amanda L. Moore, Eva M. Bailey, and Johanna Rambo. Biogeochemical states, rates, and exchanges exhibit linear responses to large nutrient load reductions in a shallow, eutrophic urban estuary. *Limnology and Oceanography*, 67(4): 739–752, April 2022. CODEN LIOCAH. ISSN 0024-3590.

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[TCP+22] Sarah B. Traiger, Brian Cohn, Demetra Panos, Margaret Daly, Heidi K. Hirsh, Maria Martone, Isabella Gutierrez, David A. Mucciarone, Yuichiro Takeshita, Stephen G. Monismith, Robert B. Dunbar, and Kerry J. Nickols. Limited biogeochemical modification of surface waters by kelp forest canopies: Influence of kelp metabolism and site-specific hydrodynamics. *Limnology and Oceanography*, 67(2):392–403, February 2022. CODEN LIOCAH. ISSN 0024-3590.

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

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[TEK+21] Joseph J. Tamborski, Meagan Eagle, Barret L. Kurylyk, Kevin D. Kroeger, Zhaoihui Aleck Wang, Paul Henderson, and Matthew A. Charette. Pore water exchange-driven inorganic carbon export from intertidal salt marshes. *Limnology and Oceanography*, 66(5):1774–1792, May 2021. CODEN LIOCAH. ISSN 0024-3590.

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[TGE+21] Mamoru Tanaka, Amatzia Genin, Yoshinari Endo, Gregory N. Ivey, and Hidekatsu Yamazaki. The potential role of turbulence in modulating the migration of demersal zooplankton. *Limnology and Oceanography*, 66(3):855–864, March 2021. CODEN LIOCAH. ISSN 0024-3590.

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[THS21] Aubrey Trapp, Jan Heuschele, and Erik Selander. Eavesdropping on plankton — can zooplankton monitoring improve

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[THT+20] Susanna Theroux, Yongsong Huang, Jaime L. Toney, Robert Andersen, Paul Nyren, Rick Bohn, Jeffrey Salacup, Leslie Murphy, and Linda Amaral-Zettler. Successional blooms of alkenone-producing haptophytes in Lake George, North Dakota: Implications for continental paleoclimate reconstructions. *Limnology and Oceanography*, 65(2):413–425, February 2020. CODEN LIOCAH. ISSN 0024-3590.

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[TION23] Kazutaka Takahashi, Mutsuo Ichinomiya, Yuji Okazaki, and Yuichiro Nishibe. Higher ingestion rates and importance of ciliates in the diet of a large, subarctic copepod revealed by larger volume incubations. *Limnology and Oceanography*, 68 (4):790–802, April 2023. 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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[TKS+20] Kenji Tsuchiya, Kazuhiro Komatsu, Ryuichiro Shinohara, Akio Imai, Shin ichiro S. Matsuzaki, Ryuhei Ueno, Victor S. Kuwahara, and Ayato Kohzu. Variability of benthic methane-derived carbon along seasonal, biological, and sedimentary gradients in a polymictic lake. *Limnology and Oceanography*, 66(6):3017–3031, December 2020. CODEN LIOCAH. ISSN 0024-3590.

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[TKW+23] Lauren M. Thompson, McKenzie A. Kuhn, Johanna C. Winder, Lucas P. P. Braga, Ryan H. S. Hutchins, Andrew J. Tanentzap, Vincent L. St. Louis, and David Olefeldt. Controls on methylmercury concentrations in lakes and streams of peatland-rich catchments along a 1700 km permafrost gradient. *Limnology and Oceanography*, 68(3):583–597, March 2023. CODEN LIOCAH. ISSN 0024-3590.

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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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[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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[VKB+22] Mandy Velthuis, Joost. A. Keuskamp, Elisabeth S. Bakker, Maarten Boersma, Ulrich Sommer, Ellen van Donk, and Dedmer B. Van de Waal. Differential effects of elevated pCO_2 and warming on marine phytoplankton stoichiometry. *Limnology and Oceanography*, 67(3):598–607, March 2022. CODEN LIOCAH. ISSN 0024-3590.

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