

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

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Title word cross-reference

3 [MMF+24]. ¹³ [HZC+24, LRRP20, WWGP21]. ¹⁴ [NCO+24]. 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, CYT+24, 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, OCCW24,
QBJG21, RRHS+21, RGW+23, RSP+24, SBCF24, SCC+21, SDB+23,
SPLJA+20, SWV+24, SLP+24, TZF+22, TMS+21, hTRH20, VLP+21,
VKB+22, WRHR22, WDG+21, WYY+24, WMRL22, XWL+21, YJS+25,
YMSH20, YSHS22, YSHS23, YZX+24, YG23, ZMC+24]. ³ [LL23]. ⁴
[AFH+21, DRA+23, WYY+24, YJS+25]. : [KMV+20]. δ
[HZC+24, LRRP20, SWS+22, WWGP21]. p [ACW+22, YG23].

-induced [SLP+24]. **-system** [SBCF24].

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

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

30 [RCMA21]. 30° [BSGA21]. 36-month [GWS+21].

59° [BSGA21].

62 [Ano21a]. 64 [Ano21b].

7-yr [CON+24].

8-m [BGM+22].

ability [KMM+22]. **Abiotic**

[FSdS+24, 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, KRBF25, LBBM21, LPMBR23, MBD+22,

MCYR20, SSH+22, WGK+24b, ZGdS+24, ZMS+24]. **abundances**

[CON+24, EPR+24, NCO+24, SML+21a]. **abyssal** [GdJA+25, dJSS24].

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**

[GCS+24, KHCG+22, NMRW24, TFI+24]. **achieved** [KTA+21]. **Achilles**

[ZvBZ+20]. **acid**

[BBWB24, KMZ+24, KLG+23, LTF+24, SRM23, VCT+23, WWGP21].

acidic [MNMJ+21, SPLJA+20]. **acidification**

[ARPF23, CCS+24, HDS+20, HSV22, JHS+21, RVBP23, RBD22, RLP+20,

SMG+22, SSEO21, SLP+24, WGK+24b, ZLU+20]. **acids** [BRV+25, CLG+24,

DMS+21, EST+24, KHSP21, TRC+25, VST+22, WDS+23]. **acoustically**

[GNO22]. **acquisition** [DK20, SdBW+23]. **across** [Ano24a, ARB+22,

BMA+20, BCTH20, BRHS20, BBWB24, CLG+24, CR25, CEW+21, CZK+23,

CEE+22, CLP+24, DHNH22, DRA+23, DBFC24, DFF+24, ETMD23,

FDL+21, GSP+23, GGLH+22, GCW+23, GLAHH+23, GLARS25, GSD+23,

GMC+25, HDD+22, HLPT20, HM20, HMOY25, JLS+20, JHBB22, KAP+20,

KSF+23, LTQS+21, LHL+21, LTW+24, LHD+20, LCZ+21, MTP+23,

MLP+21a, MMF+24, MSB+22, MCH+21, MKP+23, NH22, PYM+20,

PGEB22, RWMP+23, RSLW23, RBAC+20, RVS+22, SWOR20, SML21b,

SHZ+21, SSR+23, TCB25, TKA21, VCB20, VMT+24, VCT+23, VST+22,

VMP+21, WRC+21, WCC20, YAL+25, YZX+24, ZMS+24, vHHP+22].

across-shore [MMF+24]. **act** [OYM+20]. **activated** [FDB24]. **active**

[BGvL+25, BGG+20, EBK+20, PC21, RTK23, SSS+24, XYL+23]. **actively**

[FDB24]. **activities** [BSGA21, LZD+23]. **activity**

[CTP21, CLT⁺²², GFW⁺²⁰, KGG⁺²³, OSK⁺²⁴, PGN⁺²¹, SCC⁺²¹, SAD⁺²⁰, ZLJ⁺²⁴, ZYZ⁺²¹, vHLV⁺²⁰]. **acute** [EFP⁺²¹]. **adaptation** [HH24, 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, ZLA⁺²⁴]. **additionality** [HGA24]. **additions** [DCF⁺²², PBC21, VWR⁺²³]. **Adélie** [NCC⁺²¹]. **Adirondack** [WK21]. **adjacent** [DKPS23, KSF⁺²³, NCC⁺²¹, SORGC⁺²¹]. **Adjusting** [FUJE24]. **Adriatic** [CDA⁺²⁰]. **advances** [SHS⁺²²]. **Advancing** [HAB⁺²⁴, MVBG20]. **advected** [SLZ^{+21b}]. **advection** [CJB⁺²¹]. **advective** [LDG⁺²¹]. **Aerobic** [AWB⁺²³, SSM^{+22b}]. **aerosol** [YAE⁺²³]. **aeruginosa** [MDP⁺²³]. **affect** [BRV⁺²⁵, CZA24, DGTW21, GMD⁺²⁴, OJUN23, PSNS22, RGE⁺²⁴, SVBT20, SOT⁺²⁰, XSZ⁺²¹]. **affected** [IÁSNCR21, QMG21, TUR⁺²⁰]. **affecting** [ZLJ⁺²⁴]. **affects** [ARPFGS23, HH24, LRNG24, LHS⁺²⁰, RWL⁺²⁴, RBL⁺²⁰, TJH⁺²⁵, WWB⁺²⁰, vdPAV⁺²⁰]. **affiliation** [HNS21]. **Africa** [GBB⁺²¹]. **African** [LL23]. **after** [BWB⁺²², GPB⁺²⁰, HBR⁺²², RGE⁺²⁴, 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, OHK⁺²⁴]. **aggregations** [MBLA⁺²¹]. **aging** [SSS⁺²⁴]. **Aglantha** [MMKWZ22]. **aid** [LHH24]. **aids** [LBJS22]. **air** [ACW⁺²², CCB⁺²⁰, CCS⁺²⁴, 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** [CYT⁺²⁴, FPBG⁺²², LLSQ24, MTT⁺²⁴, THS21]. **algal** [BMGK22, FPG⁺²⁴, GTKW⁺²⁰, HPF⁺²³, HM20, KMK⁺²⁴, KAC⁺²³, KRC23, KWB21, KNG⁺²³, LZG21, SKB⁺²², ZXZ⁺²³]. **algal-virus** [HPF⁺²³]. **algorithms** [MT23]. **alicyclic** [LPO⁺²⁰]. **align** [LFBS24]. **aligns** [CGB⁺²¹]. **alkaline** [BWV⁺²⁰]. **Alkalinity** [YXC⁺²², CCS⁺²⁴, DSY20, HSLB25, IMB⁺²², WGK24a]. **alkenone** [THT⁺²⁰]. **alkenone-producing** [THT⁺²⁰]. **alleviate** [LLGP24]. **alleviates** [CMY⁺²⁵, RS20]. **allocation** [ZLS⁺²¹]. **allochthonous** [CTP21, KBB⁺²², MZR⁺²⁵]. **allochthony** [HHK⁺²²]. **allometries** [LLMM⁺²³]. **allow** [RTK23]. **allows** [HMBB21, TFI⁺²⁴]. **ALOHA** [BMR⁺²⁵]. **along** [ADLW22, AKT⁺²¹, BGAD⁺²², BWV⁺²⁰, BBL⁺²¹, CÖL⁺²⁰, CFC⁺²⁰, CCY⁺²¹, CCDM21, DWS⁺²², EJM⁺²³, GEHD20, HGDW24, HHMH22, IMB⁺²², IYW⁺²², JSL⁺²³, JWA^{vD}⁺²², KPS21, LAFV23, LSC⁺²¹, MHP⁺²³, NSK⁺²¹, PMF⁺²¹, RCMA21, SO23, TKW⁺²³, TKS⁺²⁰, WYY⁺²⁴, ZZO⁺²¹, ZYZ⁺²¹]. **alongshore** [ZSZ⁺²⁴]. **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**

[CHA^{+24a}, DKBG21, GTMC25, HEH⁺²⁰, HZS21, MRT⁺²⁴, ZZWL22].
alterations [BCFI⁺²², CMB⁺²¹]. **altered**
 [BMH⁺²³, LFBS24, LVZ21, RSLW23]. **altering** [OSK⁺²⁴]. **alternative**
 [BSIdG23, SH22, SHBA22]. **alters**
 [JHBB22, KTH⁺²¹, MMKWZ22, RLP⁺²⁰, SMD21, ZZT⁺²¹, ZWM22].
altitude [DCF⁺²²]. **Aluminum** [ZLL⁺²¹, MCS⁺²³, ZLA⁺²⁴]. **Amazon**
 [CBF⁺²³, LvBS⁺²², PBP⁺²³, PCN22, dMKB⁺²⁰]. **Amazonia** [KDZ⁺²⁴].
American [ETG21, TFI⁺²⁴, WSB⁺²⁰, YWZ⁺²¹]. **Amino** [KMZ⁺²⁴,
 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, YZX⁺²⁴]. **Analysis**
 [MMLPRHCG22, vHHP⁺²¹, CDH⁺²¹, DMS⁺²¹, FHMK20, HTLP23, LN21,
 MZR⁺²⁵, MGWS23, SGM⁺²², WZCK20]. **anamnox**
 [CEW⁺²¹, CHP⁺²⁴, ZQB⁺²¹]. **anchialine** [HBY⁺²²]. **Andean**
 [BLS⁺²², PBGRB21]. **anemone** [GB25]. **anhydrase** [SAD⁺²⁰]. **animals**
 [LG21, NCO⁺²⁴]. **Annual** [CVF⁺²⁰, vLWV⁺²⁰, FR23, SDL22, vdPMF⁺²¹].
Anomalous [CJB⁺²¹]. **anoxia** [AJMG21, CCC⁺²¹]. **Anoxic**
 [GBSVJR⁺²⁴, HBR⁺²², KdED⁺²⁰, SSM^{+22b}]. **Antarctic**
 [CFC⁺²⁰, CMT⁺²⁰, NGSS23, BTT23, BJK⁺²¹, BBL⁺²¹, CT23, CP22,
 CSNS24, DAB⁺²¹, JHvL⁺²³, JWA^{vD}⁺²², KTH⁺²¹, LDS⁺²⁰, MSGW⁺²⁰,
 MP23, MHP⁺²³, SGSF20, WOMWR20, YAH⁺²¹, YRC⁺²⁴, vLWV⁺²⁰].
Antarctica [LWvdM⁺²¹, NCC⁺²¹, SSP⁺²⁰, DAB⁺²¹]. **Antecedent**
 [TKM⁺²², RVS⁺²²]. **Anthropocene** [BAG⁺²⁴, KDW⁺²³, YPH⁺²⁴].
Anthropogenic
 [MLL⁺²¹, BDC⁺²⁴, CLW⁺²¹, FBK⁺²², LDB⁺²⁰, WM20, ZYZ⁺²¹].
anticyclone [WCC20]. **apex** [MWV22]. **aphotic** [LLL⁺²³]. **Apparent**
 [BBWB24]. **appendicularian** [MLS⁺²¹]. **application**
 [HSLB25, KTP25, LCMG⁺²⁰, SWV⁺²⁴, SHPW22]. **Applications**
 [DAN⁺²²]. **Applying** [WRMP22]. **approach**
 [ALG⁺²³, ASL⁺²⁴, DNA⁺²², FMT⁺²⁰, GCEM⁺²³, GBW24, KBSA21,
 KTP25, KHCG⁺²², TJL⁺²⁴, 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, HGМК22,
 MLB⁺²¹, MGWS23, QS21, SHS⁺²², SPHH22, YJB⁺²⁰, ZN20, dGKB24].
aquifer [BKMY21, KPM⁺²⁰]. **archaea** [SZY⁺²⁰]. **archaeoplankton**
 [WPY⁺²⁰]. **archetypes** [LWH⁺²³]. **Archipelago** [vHLV⁺²⁰, SBV⁺²¹].
archives [TJW⁺²²]. **Arctic**
 [SBM⁺²¹, TMS⁺²¹, BCA⁺²⁰, BOC⁺²¹, BPG⁺²², BSC⁺²⁴, CLD⁺²³,

CM20b, CGB⁺²¹, DGD⁺²⁴, 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, MGRR⁺²¹, NB23, PVH24, PGN⁺²¹, PLB⁺²¹, RRH⁺²⁴, 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, ZYW⁺²⁴, vdPAV⁺²⁰, vdPMF⁺²¹. **area**
 [CHS⁺²⁰, CBS⁺²¹, IJSC20, PPB⁺²¹]. **areas** [DvOH⁺²⁰]. **Argo** [WF22].
argus [BFCC⁺²¹]. **arid** [LRM21]. **array** [MMF⁺²⁴]. **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, JSE⁺²⁵, SKB⁺²², SSB⁺²²].
assembly [GMD⁺²⁴, IYW⁺²², SGS22]. **assess** [YIS⁺²⁴]. **assessed**
 [CDH⁺²¹]. **Assessing** [AVJ⁺²⁴, HTLP23, KSR20]. **assessment**
 [DAN⁺²², GAS⁺²³, MLP^{+21a}, SRL⁺²⁰, TRS⁺²⁰, WMTJW22].
assessments [CBC⁺²², SBCF24]. **Assimilation**
 [ORE20, SHE⁺²¹, AHCJ⁺²⁰, CYT⁺²⁴, SOWP24]. **associated**
 [AAC⁺²¹, BSGA21, BRB⁺²⁰, BDMGH⁺²³, CKH⁺²¹, CMB⁺²¹, CON⁺²⁴,
 Edm21b, FKN21, HMP⁺²¹, HMOY25, HZZ⁺²⁰, HGF⁺²¹, KFHS24,
 LBBM21, MEQBV20, RVBP23, SSC⁺²⁵, 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**
 [GdJA⁺²⁵, 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, RGE⁺²⁴, SORGC⁺²¹, SPKM22,
 SSM^{+22a}, WF22, YAH⁺²¹, YAE⁺²³, ZMS⁺²⁴]. **Atlantification**
 [MMKWZ22]. **atmosphere** [BCL⁺²²]. **Atmospheric**
 [JOC⁺²⁰, SGM⁺²¹, SMNT22, VLP⁺²¹, ZZHZ23, ZLW21b]. **atoll**
 [FHR⁺²¹, GLB⁺²², GFT⁺²⁴]. **atrazine** [BCTH20]. **attenuate** [LPA⁺²³].
Attenuation [PC21, WDS⁺²³, WAPC20, ZXE⁺²³, ZXZ⁺²³]. **attraction**
 [SHBA22]. **attributes** [PFB⁺²², STB⁺²⁴]. **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, HAC⁺²⁴, HZM⁺²¹, HPP⁺²¹, JHSG⁺²⁴,
 JWA^{vD+22}, KLP23, KIB⁺²⁴, KRBF25, LTLH22, LBG⁺²², LHS⁺²⁰, LSCL21,
 MZ25, NCC⁺²¹, PLC⁺²⁴, RBL⁺²⁰, SMKS22, SSK24, WWFS21, ZYW⁺²⁴].
avalanche [GTMC25]. **avalanche-induced** [GTMC25]. **avoid**
 [GE22, SOWP24].

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, BMH⁺²⁵, CLD⁺²³, CVF⁺²⁰, KPG⁺²³, MZV⁺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, SBJ⁺²⁴]. **bank** [RVS⁺²²]. **bank-full** [RVS⁺²²]. **barcoding** [CSM⁺²³]. **Barents** [DGW⁺²¹]. **barite** [LN21]. **barium** [FSH⁺²³]. **barnacle** [FJP⁺²¹, LTF⁺²⁴]. **baroclinic** [ILPL20]. **barriers** [DCJB22, SORGC⁺²¹]. **Basal** [MHL⁺²⁰, VCT⁺²³]. **base** [SPR22]. **based** [BMA⁺²⁰, BCWS23, CSGI⁺²⁴, GWS⁺²¹, HRK⁺²², LWH⁺²³, LEB21, LLBC20, MLP^{+21a}, MLB⁺²¹, MK20, RVS⁺²², SBD⁺²¹, STO⁺²⁴, SIKU25, VMP⁺²¹, WSZ22a, WSZ22b, vHHP⁺²², CBN21]. **Baseline** [CLW⁺²¹, GBW24, SOO⁺²¹]. **baselines** [DAN⁺²²]. **Basin** [GdJA⁺²⁵, 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, PCC⁺²⁴]. **beach** [vEMF⁺²⁰]. **beaching** [CAN⁺²⁴]. **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** [BMH⁺²⁵, HZM⁺²¹, KPL⁺²⁰, ABS⁺²¹, BSB⁺²⁰, BMR^{+21b}, BWV⁺²⁰, BZK⁺²², BRV⁺²⁵, 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, WKCR25, WHZ⁺²¹]. **Benthic-pelagic** [KPL⁺²⁰, MBLA⁺²¹]. **bentho** [NvBE⁺²¹]. **bentho-pelagic** [NvBE⁺²¹]. **benthos** [CZA24, 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, ZYW⁺²⁴, ZLU⁺²⁰, ZFQ⁺²⁰, dSMPC24]. **Beyond** [KHCG⁺²²]. **bias** [MMLPRHCG22]. **biased** [KSI24].

Bidirectional [EST⁺24]. **Bight** [LMC⁺21, ZMS⁺24]. **bio** [BHG⁺24, BC20].
bio-optical [BHG⁺24]. **bioactive** [BBA⁺23]. **bioavailability**
 [DVL⁺23, EJRRRC⁺23, RBSB22]. **biochemical** [Ano21c, CB25, 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** [ZSW⁺24, 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, ZSW⁺24].
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, DGD⁺24,
 DMS⁺21, DLL20, GBB⁺21, KTH⁺21, KBL⁺20, LTQS⁺21, MK21,
 ORRMD⁺21, PFH21, PVSP⁺22, PJRV23, QRWT⁺22, TKS⁺20, YIS⁺24].
biomarkers [PMF⁺21]. **biomass**
 [BRCO21, FBV23, HNS21, KTWGT20, LFBS24, LCS⁺20, LDB⁺20, LCZ⁺21,
 MTP⁺23, MSJ21, PBC21, QS21, SBB20, YAP⁺22]. **biomasses** [EG20].
biophysical [ASH⁺20]. **biospheric** [BJK⁺21]. **biosynthesis**
 [BRV⁺25, ZLA⁺24]. **biota** [MZR⁺25]. **Biotic**
 [BC20, LGF22, DFF⁺24, MTP⁺23, MOW⁺22, TZF⁺22, WWB⁺20, WRMP22].
biotoxins [THS21]. **bioturbation** [BSB⁺20, MSSBR24]. **bioturbators**
 [ZSF⁺23]. **biovolume** [MNM⁺21]. **bivalve**
 [GPB⁺20, MIR⁺22, TJL⁺24, WTvD⁺22]. **Biwa**
 [LDB⁺20, LDB⁺21, HMOY25]. **black** [BND⁺23, RCH⁺20, SO23, SGSD⁺22].
black-box [RCH⁺20]. **blackwater** [TUR⁺20]. **bleaching**
 [Ano21c, CBC⁺22, RFB⁺22, WRWPG19]. **blindness** [ZYW⁺24]. **bloom**
 [BMH⁺23, CGRGP⁺21, CMT⁺20, GMNG⁺24, GAS⁺21, HPP⁺21, KRC23,
 LZG21, MBB⁺20, MLS⁺21, MTT⁺24, PHM21, RGE⁺24, WOT⁺23, XMP⁺21].
bloom-forming [BMH⁺23]. **blooming** [MBC⁺21]. **blooms** [BHN⁺24,
 BAHH⁺20, GLARS25, HM20, HMB⁺22, KMK⁺24, KAC⁺23, PCC⁺24,
 Roy20, SVC⁺22, SLJ⁺22, SKB⁺22, SRL⁺20, THT⁺20, THS21, ZXZ⁺23].
Blue [HMP⁺21, HGA24, CAN⁺24, FGP22, KBB⁺22, KHCG⁺22, LGQ⁺21,
 LAB⁺22, SKY⁺24, XWL⁺21, YAL⁺25, OGD20]. **bluefin** [OFM⁺21]. **Body**
 [GNO22, BS25, CHAA21, LDB⁺20, PMRG20, WKCR25, dJGCS23].
Boeckella [MSGW⁺20]. **bog** [SGL⁺23]. **boreal**
 [AVJ⁺24, AKT⁺21, BMH⁺25, 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, MTT⁺²⁴, PMD⁺²³, WSC⁺²⁵]. **Bottom-up** [BD22, BMA⁺²⁰, GÖA⁺²³, LLBC20, MTT⁺²⁴]. **bound** [SdBW⁺²³, SWV⁺²⁴]. **boundaries** [KHCG⁺²², WSZ22a, WSZ22b]. **boundary** [DHNH22, EFG⁺²⁴, NH22, NH23]. **box** [RCH⁺²⁰, SO23]. **brackish** [GGS⁺²¹, HPB⁺²¹]. **branch** [ZSZ⁺²⁴]. **branching** [RBD22]. **Brazil** [PLLM21]. **Brazilian** [BSB⁺²⁰, HMP⁺²¹, LvBS⁺²², LHD⁺²⁰]. **breakpoints** [PKKS20]. **breakup** [PW22]. **Bringing** [SHPW22]. **broad** [CB25]. **brown** [LLSQ24, SGGB21]. **Brownification** [SSM^{+22a}]. **browning** [BMH⁺²⁵, MHSL22, PC21, MSB⁺²⁰]. **bryophytes** [TWM⁺²⁵]. **budget** [DdEM⁺²³, GB23, VJH⁺²²]. **budgets** [BBCA⁺²¹, CBC⁺²²]. **buffer** [CCS⁺²⁴]. **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, NCO⁺²⁴, SSN⁺²⁴, WWGP21]. **C-storage** [LRNG24]. **C.** [PPB⁺²¹]. **cable** [HPB⁺²¹, MLK⁺²²]. **Cabo** [GdJA⁺²⁵]. **CaCO** [LL23]. **caerulea** [LMP⁺²⁰]. **calanoid** [TCS21, TJH⁺²⁵]. **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, ZMC⁺²⁴]. **calculation** [KTWGT20]. **calculations** [HSLB25, SBCF24]. **Calibrating** [LHGJ21]. **California** [LMC⁺²¹, PMRG20, ACE⁺²², CMB⁺²¹, CM20a, KBL⁺²⁰, ITW⁺²⁴, NTJ⁺²⁰, SWB⁺²⁰]. **californianus** [NTJ⁺²⁰]. **Can** [DMCW23, ETG21, RGE⁺²⁴, SYMF21, VMT⁺²⁰, AR20, BVGQN22, GTMC25, KSN⁺²¹, MCS⁺²³, MKM⁺²³, THS21, ZLG⁺²³]. **Canada** [KSH⁺²³, PCC⁺²⁴]. **Canadian** [BAG⁺²⁴, GB21, GB23, KTP25, PGEB22, RCMA21]. **Candidatus** [MLK⁺²²]. **cannot** [ZLG⁺²³]. **canopies** [TCP⁺²²]. **canopy** [CCFF21]. **Canyon** [CFC⁺²⁰]. **canyons** [LNR⁺²⁰]. **capabilities** [BHS⁺²⁰]. **capacity** [BS25, SKY⁺²⁴]. **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, BGvL⁺²⁵, BND⁺²³, BMR^{+21a}, BCWS23, BRB⁺²⁰, BSF⁺²¹, BJK⁺²¹, BCL⁺²², BSB⁺²⁰, BDL⁺²¹, BPL22, CGC⁺²¹, CXK⁺²⁵, CLM25, CAN⁺²⁴, CKCB⁺²³, CEE⁺²², CCS⁺²⁴, CB25, DGD⁺²⁴, DGTW21, DWS⁺²², DCF⁺²², DdEM⁺²³, DBM⁺²³, DK20, DLL20, EJRR23, ESW⁺²¹, FGP22, FUUG⁺²¹, GGDB25, GBB⁺²¹, GLM⁺²³, GAS⁺²³, HCB⁺²², HMP⁺²¹, HANW21, HSBC20, HZM⁺²¹, HNS21, HGA24, HLS⁺²², IFU⁺²⁰, JHSG⁺²⁴, KHK⁺²², KMZ⁺²⁴, KBB⁺²², KHCG⁺²², LVDM22, LDGB⁺²³, LDGB⁺²⁴, LZD⁺²³, LCHB22, LAB⁺²², MZR⁺²⁵, MRC⁺²⁴, MRH⁺²³, MGWS23, MMG⁺²¹, MRT⁺²⁴, MCYR20, MKM⁺²³, MNMJ⁺²¹, NMRW24, NKH⁺²³, NCO⁺²⁴,

OHK⁺²⁴, OBL21, OGRS⁺²⁵, PBP⁺²³, PYY⁺²⁰, PFH21, PC21, PNT⁺²¹, PVSP⁺²², PJRV23, PMZ⁺²⁵, QRWT⁺²², RVBP23, RMW⁺²¹, RHA⁺²³, RSLW23, RBSV⁺²⁴, RV_vB⁺²³, REvdMO24, RCH⁺²⁰, SBD⁺²¹, SVMM⁺²²]. **carbon** [SSS⁺²⁴, SZA⁺²¹, SML21b, SSEO21, SBL⁺²¹, SSS⁺²⁰, SWK⁺²³, SOT⁺²⁰, SRM23, SBT25, SKA⁺²⁴, SGS22, SKY⁺²⁴, TEK⁺²¹, TKS⁺²⁰, VCT⁺²³, VST⁺²², WF22, WDL⁺²⁴, WSZ22a, WSZ22b, WM20, XWL⁺²¹, XDQ⁺²², YAL⁺²⁵, YAP⁺²², YXC⁺²², YSHS23, ZPK⁺²², ZCQ⁺²⁴, ZLU⁺²⁰, ZJW⁺²², ZSW⁺²⁴, ZLL⁺²¹, ZBNH⁺²¹, ZWM22, vGDH⁺²¹, OGD20]. **carbon-uptake** [RCH⁺²⁰]. **Carbonate** [EWGP22, GBB⁺²¹, BBCA⁺²¹, CSGI⁺²⁴, CSD⁺²⁴, CBC⁺²², HSLB25, 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** [FÖJ⁺²⁴, 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** [FDB24, HDD⁺²², KTWGT20, LSL⁺²⁰, MRC⁺²⁴, OBL21, OGRS⁺²⁵]. **cell-specific** [OGRS⁺²⁵]. **cells** [SLP⁺²⁴]. **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** [WYY⁺²⁴, AFH⁺²¹, DRA⁺²³, YJS⁺²⁵]. **Chaetoceros** [KMM⁺²²]. **Chain** [SOWP24, MFGF⁺²², RHSK24, 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, HAC⁺²⁴, KDV⁺²³, LAD⁺²², LZM⁺²¹, LMSN23, MHD⁺²², MDDL22, MPW⁺²³, NEB⁺²², PVH24, RFW⁺²⁴, SRV⁺²⁰, SEK20, WHAR⁺²⁰, WBB⁺²¹, WCH⁺²¹, WGK24a, ZXE⁺²³, dSNIB22]. **change** [PW22]. **Changes** [CYT⁺²⁴, DNB⁺²⁰, HZS21, MSB⁺²⁰, dJSS24, 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, OCCW24, PMZ⁺²⁵, RSLW23, RGW⁺²³, SSS⁺²⁰, SSM^{+22a}, SLZ^{+21b}, SGM⁺²¹, WGK^{+24b}, XYL⁺²³, ZLS⁺²¹, vEMF⁺²⁰]. **Changing** [YAH⁺²¹, CBPNA22, DKBG21, DK20, GTKW⁺²⁰, HANW21, HTSG21, HH24, JLR⁺²², KBSA21, LGQ⁺²¹, MLL⁺²¹, MRT⁺²⁴, PC21, WOMWR20]. **channel** [LGF22]. **Character** [PSNG⁺²¹]. **characteristics** [CZS⁺²², DGTW21, GPB⁺²⁰, HHMH22, HSLB25, LGF22, MSB⁺²⁰, VMT⁺²⁴]. **Characterization** [HRK⁺²², CBN21, EJRRRC⁺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, CSGI⁺24, 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, FMMD⁺25, FÖJ⁺24, GF21, QFM⁺21, SWOR20, SPLJA⁺20, TMSL22, YJ20, ZLA⁺24, vdPMF⁺21]. **chlorophyll-a** [DMM⁺21, TMSL22, vdPMF⁺21]. **chlorophyll-specific** [FMMD⁺25].
chlorophytes [AWGV20]. **Chloropicophyceae** [EHC⁺22]. **choice** [VKGW22]. **choline** [MAD⁺22]. **Choquet** [PPB⁺21]. **chromophoric** [AVJ⁺24, ZYT⁺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 [BH24, LWH⁺23]. **clear** [MLC⁺21]. **clear-water** [MLC⁺21].
cliff [CZH⁺21]. **Climate** [KRBF25, LCS⁺20, MLC⁺21, AAC⁺21, Ano24a, BPG⁺22, CLA⁺24, CLG⁺24, CMB⁺21, DMM⁺21, DK20, DMCW23, Edm21b, ETG21, FM21, FMT⁺20, FÖJ⁺24, HEH⁺20, HFL⁺20, HZM⁺21, KHB22, LLSQ24, LZM⁺21, LMSN23, MHD⁺22, MPW⁺23, NEB⁺22, OSR20, PVH24, RFW⁺24, SBH23, SRV⁺20, WHAR⁺20, dSNIB22].
climate-change-driven [PVH24]. **climate-driven** [ETG21, HFL⁺20].
climate-productivity [Ano24a, 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, CYT⁺24, CMCC24, CHS⁺20, DRA⁺23, HGA24, MGP⁺21, MRT⁺24, NB20, OCCW24, RRHS⁺21, RSP⁺24, SBCF24, SDB⁺23, SPLJA⁺20, SLP⁺24, VLP⁺21, WYY⁺24, XWL⁺21, YJS⁺25, YMSH20, YSHS22, YSHS23, YZX⁺24, ZMC⁺24, 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, BH24, BJS⁺23b, BWSW24, BKMY21, BSC⁺24, CHA⁺24a, CSM⁺23, CTP21, CLM25, CGD22, CPBJR⁺21, CSNS24, CCG⁺22, DCJB22, EJRRRC⁺23, FBR⁺23, FBJ⁺23,

FWDY20, FUJE24, GMC⁺²⁵, HRK⁺²², HPB⁺²¹, HSV22, HAB⁺²⁴, HSLB25, 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, OHK⁺²⁴, PYY⁺²⁰, PLLM21, QS21, SOSN23, SMG⁺²², SCC⁺²¹, SRV⁺²⁰, SMK24, SLZ^{+21b}, SOT⁺²⁰, SSR⁺²³, SSC⁺²⁵, SSB⁺²², TNK⁺²², TJW⁺²², THVJ23, TMKB⁺²², WHAR⁺²⁰, WWB⁺²⁰, WHZ⁺²¹, YAL⁺²⁵, YML⁺²¹, YGD⁺²¹, ZSD⁺²⁰, ZJW⁺²², ZSW⁺²⁴, ZSZ⁺²², ZWM22, vHLV⁺²⁰, vHHP⁺²¹, vLWV⁺²⁰]. **coastline** [BGAD⁺²²]. **cobalt** [KMV⁺²⁰, W XK⁺²²]. **coccolithophore** [CR25, DAP⁺²⁴, GBB⁺²¹, JLR⁺²², ZLS⁺²¹]. **coccolithophores** [GDB20]. **coefficient** [ZXE⁺²³]. **coerulea** [MBC⁺²¹]. **coexistence** [LTJ⁺²⁰, RK24]. **coherent** [FHR⁺²¹, PMZ⁺²⁵]. **Cold** [BFW⁺²², CMY⁺²⁵, GR24, KKP⁺²¹, MACC24, RCS⁺²⁰]. **cold-adapted** [KKP⁺²¹]. **Cold-water** [BFW⁺²², GR24, MACC24]. **colimitation** [LSL⁺²⁰]. **colonial** [BW24, DTPV21, RHSK24]. **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]. **combination** [FDB24]. **combinations** [GRJ20]. **Combined** [IFU⁺²⁰, PS24, WHAR⁺²⁰, SVC⁺²², SN22]. **Combining** [APB⁺²³, Ano24b]. **Comment** [LD22, PPB⁺²¹, CSH21, SB22, ZR23]. **commercial** [HSP⁺²⁰]. **common** [BMH⁺²³, BWSW24, KSMCL24, MLB⁺²¹]. **commonality** [LTQS⁺²¹]. **communities** [BCY⁺²⁴, BBH⁺²⁰, BAD⁺²¹, BMH⁺²⁵, CHA^{+24a}, CGRGP⁺²¹, CCY⁺²¹, DVL⁺²³, EDC24, EJRR23, FBP20, FR23, GCW⁺²³, GMS21, GCP⁺²⁵, HBS⁺²², HBY⁺²², HZZ⁺²⁵, HPCH24, IMB⁺²², KPNJ23, KPS21, LRNG24, LNR⁺²⁰, LBG⁺²², MXL⁺²¹, MDP⁺²³, MHdS⁺²¹, MOW⁺²², PKKS20, STB⁺²⁴, SORGC⁺²¹, SPHH22, TMS⁺²¹, VJH⁺²², WPY⁺²⁰, XKP⁺²², XYL⁺²³, YML⁺²¹, ZQB⁺²¹, dJSS24, dMKB⁺²⁰, dOKC⁺²¹, vEMF⁺²⁰]. **community** [AR20, AFK⁺²², BHSG⁺²⁰, BMA⁺²⁰, BMLV24, BHN⁺²⁴, BVGQN22, CB21b, CB25, CVF⁺²⁰, DBFC24, DFF⁺²⁴, FWvA⁺²¹, FAB⁺²⁰, FKN21, GSP⁺²³, GGHBS⁺²⁰, GdJA⁺²⁵, HAC⁺²⁴, HZS21, HLS⁺²², KHHZ20, MDDL22, MVBG20, OYM⁺²⁰, PKV20, RvHF⁺²⁰, RPKC22, SH22, SGL⁺²³, SSM^{+22a}, SBV⁺²¹, SGSD⁺²², SIKU25, 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, DCAB24]. **compensation** [BWB⁺²², dJGCS23]. **competition** [DWW⁺²¹, MKL⁺²⁴, PCC⁺²³]. **competitive** [HH24, SDSGR21]. **Complex** [WSB⁺²⁰, ASL⁺²⁴, BRB⁺²², FBRG23, LSC⁺²¹, MSSBR24, WNHY21]. **complexation** [WOK⁺²¹]. **complexes** [KLP23, dCLO⁺²³]. **Complexities** [LCM⁺²²]. **complexity** [CLC⁺²², dGKB24]. **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, CB25, DvOH⁺²⁰, DBM⁺²³, EHC⁺²², FBRG23, GAS⁺²³, HANW21, HZS21, HCS⁺²¹, JLS⁺²⁰, KHB22, KAP⁺²⁰, KSR20, LBBM21, LTF⁺²⁴, LSC⁺²¹, LXC^{+21b}, MO23, PS24, 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, YDM⁺²⁵, 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]. **computational** [GCS⁺²⁴]. **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, OCCW24, RCMA21, SBT25, TKW⁺²³, TMSL22]. **concepts** [GM22]. **Conceptual** [RST⁺²¹]. **Concurrent** [HSB⁺²⁰]. **conditions** [AH20, BW25, CYT⁺²⁴, CM21, CVF⁺²⁰, FLA25, LSW^{+20b}, MLS⁺²¹, OGRS⁺²⁵, PMZ⁺²⁵, PHM21, SN22, SBJ⁺²⁴, SBL⁺²¹, TKM⁺²², WOMWR20, ZLS⁺²¹, ZXZ⁺²³]. **congruence** [GWS⁺²¹]. **conjugated** [SJH20]. **conjunction** [PMRG20]. **connecting** [MBD⁺²³]. **connections** [GFT⁺²⁴, HAB⁺²⁴]. **Connectivity** [BGAD⁺²², CPBJR⁺²¹, Bri24, DCJB22, DPB⁺²³, DFJ22, GLB⁺²², JSB⁺²⁰, MACC24, SBP⁺²⁵, VVMJ23]. **Consequences** [KTWGT20, MBA⁺²¹, RGP⁺²², MLP21b, Wei24]. **conserved** [LABM20, SSH⁺²², TCB25]. **consideration** [WSZ22a, WSZ22b]. **Consistent** [GLARS25, OGRS⁺²⁵, EFP⁺²¹]. **consortia** [CYPRG⁺²³]. **constituents** [KSF⁺²³]. **constitutes** [PPB⁺²¹]. **constrain** [GBSVJR⁺²⁴, KVKS22, ORRMD⁺²¹]. **Constraining** [MBD⁺²²]. **constrains** [MMG⁺²¹]. **constraint** [LLGP24]. **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, MTT⁺²⁴, OBL21]. **contents** [XSZ⁺²¹]. **conterminous** [FBK⁺²², GGR24, LWH⁺²³]. **contextually** [HMB⁺²⁰]. **contiguous** [BCTH20]. **continent** [LL23]. **continental** [BMA⁺²⁰, ChHC⁺²⁴, CHP⁺²⁴, DMM⁺²¹, FMMD⁺²⁵, 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, WYY⁺²⁴, ZYZ⁺²¹]. **contrasted** [IJSC20]. **Contrasting** [CGB⁺²¹, DFJ22, DKPS23, GFG⁺²², GBC⁺²⁰, KIB⁺²⁴, MLK⁺²², RBR⁺²³, WTvD⁺²², WRHR22, ZMS⁺²⁴, BCL⁺²², CMdIPÁS⁺²⁴, CGL⁺²¹, CLM25, GLARS25, LZM⁺²¹, OGRS⁺²⁵, 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** [BW25, BKMY21, KPM⁺²⁰, KRM⁺²⁰, STO⁺²⁴, SCT⁺²¹, ZZL⁺²¹]. **controlling** [KNG⁺²³, PCC⁺²³, SBT25]. **Controls** [HSV22, LD22, TKW⁺²³, ARBvS⁺²¹, ASH⁺²⁰, Aus24, CFC⁺²⁰, ESW⁺²¹, FBK⁺²², HBY⁺²², HPF⁺²³, LHS⁺²¹, LCZ⁺²¹, MLK⁺²², MT23, PGW25, PMD⁺²³, YMSH20, SB22]. **conundrum** [BC20]. **convection** [AHF⁺²²]. **convective** [SSN⁺²⁴]. **conversion** [SGSF20]. **cope** [VMT⁺²⁰, WTvD⁺²²]. **Copepod** [EWF22, KSI24, BRV⁺²⁵, CHAA21, LDB⁺²¹, MSGW⁺²⁰, SYMF21, TION23, TVB⁺²¹, TJH⁺²⁵, VMP⁺²¹, XSZ⁺²¹]. **copepods** [BJS23a, CHA^{+24b}, FUJE24, 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, Ano20n, Ano20o, Ano20p, Ano20q, Ano20r, Ano20s, Ano20t, Ano20u, Ano20v, Ano20w, Ano20x, Ano20y, Ano21a, Ano21b, Ano21c, Ano21d, Ano21e, Ano21f, Ano21g, Ano21h, Ano21i, Ano21j, Ano21k, Ano21l, Ano21m, Ano21n, Ano21o, Ano21p, Ano21q, Ano21r, Ano21s, Ano21t, Ano21u, Ano21v, Ano21w, Ano21x, Ano21y, Ano21z, Ano22a, Ano22b, Ano22c, Ano22d, Ano22e, Ano22f, Ano22g, Ano22h, Ano22i, Ano22j, Ano22k, Ano22l, Ano22m, Ano22n, Ano22o, Ano22p, Ano22q, Ano22r, Ano22s, Ano22t, Ano22u, Ano22v, Ano22w, Ano22x, Ano22y, Ano22z, Ano23a, Ano23b, Ano23c, Ano23d, Ano23e, Ano23f, Ano23g, Ano23h, Ano23i, Ano23j, Ano23k, Ano23l, Ano23m, Ano23n, Ano23o, Ano23p, Ano23q, Ano23r, Ano23s, Ano23t, Ano23u, Ano23v, Ano23w, Ano23x, Ano23y, Ano23z, Ano24a, Ano24b, Ano24c, Ano24d, Ano24e, Ano24f, Ano24g, Ano24h, Ano24i, Ano24j, Ano24k, Ano24l, Ano24m, Ano24n, Ano24o, Ano24p, Ano24q, Ano24r, Ano24s, Ano24t, Ano24u, Ano24v, Ano24w, Ano24x, Ano24y, Ano24z, Ano25a, Ano25b, Ano25c]. **Coral** [FKN21, KDW⁺²³, MHMML⁺²², SSL22, ZCQ⁺²⁴, BST⁺²², BCFI⁺²², BBKA⁺²¹, BFW⁺²², CÖL⁺²⁰, CDW⁺²⁴, CBC⁺²², Edm21a, EFP⁺²¹, FHR⁺²¹, GCMJ23, GB25, GLB⁺²², GFT⁺²⁴, HPCH24, LMS23, LBG⁺²², LRRP20, MCH⁺²², MGP⁺²¹, MSD23, MACC24, MMLPRHCG22, MDIY23, OLFH21, RMH⁺²², RBD22, RCH⁺²⁰, SHBA22, SWZ⁺²³, SSCE20, TDD⁺²⁴, 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]. **Correction** [Ano24a]. **correlate** [MSD23]. **corridors** [DCJB22]. **Corrigendum** [Ano21a, Ano21b, Ano21c, Ano21d, Ano21e, Ano21f, Ano21g, Ano21h, Ano21i, Ano21j, Ano21k, Ano21l, Ano21m, Ano21n, Ano21o, Ano21p, Ano21q, Ano21r, Ano21s, Ano21t, Ano21u, Ano21v, Ano21w, Ano21x, Ano21y, Ano21z, Ano22a, Ano22b, Ano22c, Ano22d, Ano22e, Ano22f, Ano22g, Ano22h, Ano22i, Ano22j, Ano22k, Ano22l, Ano22m, Ano22n, Ano22o, Ano22p, Ano22q, Ano22r, Ano22s, Ano22t, Ano22u, Ano22v, Ano22w, Ano22x, Ano22y, Ano22z, Ano23a, Ano23b, Ano23c, Ano23d, Ano23e, Ano23f, Ano23g, Ano23h, Ano23i, Ano23j, Ano23k, Ano23l, Ano23m, Ano23n, Ano23o, Ano23p, Ano23q, Ano23r, Ano23s, Ano23t, Ano23u, Ano23v, Ano23w, Ano23x, Ano23y, Ano23z, Ano24a, Ano24b, Ano24c, Ano24d, Ano24e, Ano24f, Ano24g, Ano24h, Ano24i, Ano24j, Ano24k, Ano24l, Ano24m, Ano24n, Ano24o, Ano24p, Ano24q, Ano24r, Ano24s, Ano24t, Ano24u, Ano24v, Ano24w, Ano24x, Ano24y, Ano24z, Ano25a, Ano25b, Ano25c]. **cosmopolitan** [MRT⁺²⁴]. **cost** [GCS⁺²⁴]. **costly** [LLC⁺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 [BGvL⁺²⁵, CHA^{+24a}, HJWP24, KPL⁺²⁰, SWV⁺²⁴, WKCR25].
covariance [BBMD20, VLP⁺²¹]. **cover** [BGM⁺²¹, MGI⁺²²]. **covered**
 [CVF⁺²⁰, LDS⁺²⁰, LXC^{+21b}, PMD⁺²³, SSM^{+21a}, SMCS23]. **crab**
 [CAN⁺²⁴, XWL⁺²¹]. **crabs** [CJB⁺²¹]. **Crassostrea** [MDWT⁺²², WSB⁺²⁰].
create [OSK⁺²⁴, SMK24]. **creek** [RWMP⁺²³]. **creeks** [WPO⁺²²]. **criteria**
 [MGWS23, MSJ21]. **critical** [FUJE24]. **Crocospaera** [DFW⁺²⁰, ZFQ⁺²⁰].
crop [JHSG⁺²⁴]. **Cross**
 [FGO⁺²⁰, WKCR25, DAN⁺²², GLN⁺²⁰, GLN⁺²¹, GPDA⁺²⁰].
Cross-ecosystem [WKCR25]. **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]. **cryptic**
 [TWM⁺²⁵]. **cryptophyte** [CT23]. **ctenophores** [CCG⁺²²]. **cues**
 [BK20, BMGK22, ZSZ⁺²¹]. **cultured** [LHGJ21, ZLA⁺²⁴]. **Current**
 [ACE⁺²², CMB⁺²¹, Lem20, LTW⁺²⁴, SN22, SSL22, SYMF21, VMT⁺²⁰,
 ZSZ⁺²⁴, BFCC⁺²¹, DAB⁺²¹, KBL⁺²⁰, SWB⁺²⁰]. **currents**
 [FBRG23, SLJ⁺²²]. **cyanobacteria**
 [AWGV20, DCK⁺²², JSPS24, LBvE23, LEK⁺²², LLC⁺²⁴, MTP⁺²³,
 PSNG⁺²¹, WOT⁺²³, WWFS21, ZJ22a, ZJ22b, ZFQ⁺²⁰].
cyanobacteria-derived [PSNG⁺²¹]. **cyanobacterial** [EWGP22, FBP20,
 HMB⁺²², KRC23, MBB⁺²⁰, PCC⁺²⁴, Roy20, SRL⁺²⁰, XMP⁺²¹].
cyanobacterium [BMH⁺²³, CXK⁺²⁵, DTPV21, GFW⁺²⁰, SDS⁺²³, YG23].
Cyanothece [hTRH20]. **cycle**
 [BPL22, CVF⁺²⁰, GBO⁺²⁰, LAMG⁺²², SSS⁺²⁰, TFI⁺²⁴, 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,
 PMZ⁺²⁵, RLL⁺²¹, RGP⁺²², SLZ^{+21a}, SBW⁺²⁰, THL⁺²¹, WCC20,
 WRS⁺²², WOK⁺²¹, XMP⁺²¹, YIS⁺²⁴, ZLL⁺²⁴, ZSW⁺²⁴]. **Cyclone**
 [BJS^{+23b}, BPL22, ChHC⁺²⁴, WCC20]. **cyclone-anticyclone** [WCC20].
Cyclonic [ZBNH⁺²¹, ACE⁺²², GZZ25]. **cylindrospermopsin** [LLC⁺²⁴].
cylindrospermopsin-producing [LLC⁺²⁴]. **cylindrus** [MLG⁺²⁰].
Cymodocea [JREVB21]. **cyprid** [LTF⁺²⁴]. **cytometry** [FHMK20].

D [MMF⁺²⁴]. **Daily** [CGGC⁺²¹, LSS⁺²⁴]. **Dakota** [THT⁺²⁰]. **damage**
 [vHHP⁺²¹]. **dampen** [dJGCS23]. **damping** [LHH24, SN22, ZLN21]. **Danish**
 [GBMKJ22]. **Daphnia** [DKW⁺²¹, DMCW23, GMD⁺²⁴, LBvE23, MTB⁺²¹,
 MKL⁺²⁴, RVBP23, RBL⁺²⁰, VGvdB⁺²¹, YWZ⁺²¹, ZSZ⁺²¹]. **Dardanelles**
 [CÖL⁺²⁰]. **dark** [KGG⁺²³, RBSV⁺²⁴, vdPAV⁺²⁰]. **darkening** [GÖA⁺²³].
darkness [CBT⁺²¹, CGB⁺²¹, MLG⁺²⁰, QBJG21]. **data** [ASH⁺²⁰, BMB22,
 Bri24, CZK⁺²³, DAD⁺²¹, MVP⁺²⁰, OAM⁺²², PSY⁺²², WF22].

data-limited [ASH⁺20]. **dataset** [KTP25, PPB⁺21]. **day** [EWGP22, GK22].
de-eutrophication [DNB⁺20]. **dead**
 [BK20, HCB⁺22, MHMML⁺22, dOKC⁺21]. **death** [DFW⁺20]. **Decadal**
 [OCCW24, BBMD20, LDB⁺20, LDB⁺21, SMP21]. **decades**
 [BMB22, FÖJ⁺24, GGLH⁺22]. **decay** [CB25, HKM⁺20]. **Deciphering**
 [BND⁺23]. **decline** [FBK⁺22, YLT⁺20]. **declines** [BWB⁺22, HDD⁺22].
declining [PGN⁺21]. **decomposition** [BZK⁺22, SKY⁺24, ZLL⁺21].
Deconvolving [WDS⁺23]. **decoupled** [DMC⁺22]. **decouples** [SCT⁺21].
decoupling [NKH⁺23, ZBNH⁺21]. **Decrease** [KLO23, FBV23, YJS⁺25].
Decreased [HXL⁺21]. **decreases** [LLTT⁺24, RVBP23, ZLL⁺21].
Decreasing [MGP⁺21]. **Deep**
 [CKCB⁺23, GCS⁺24, HMM⁺22, SWOR20, AGC⁺21, AHF⁺22, Aus24,
 BMR⁺21a, BZSF23, CYZZ⁺20, CLW⁺21, CPBJR⁺21, FWDY20,
 GLAHH⁺23, HJWP24, KZK⁺25, Lem20, MBLA⁺21, MKBSK19, MOW⁺22,
 MSSBR24, MGG⁺24, OBB⁺20, PFH21, PCN22, PRL⁺25, REF⁺21, SJH20,
 SSM⁺21a, SSP⁺20, SPLJA⁺20, SSWM20, SDS⁺23, SHPW22, YPH⁺24].
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].
defenses [KSMCL24]. **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]. **degradability** [CLM25]. **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, WSC⁺25]. **demands** [BMR⁺21a]. **demersal**
 [TGE⁺21]. **demography** [MMLPRHCG22]. **demonstration** [SVBT20].
Denitrification [CEW⁺21, CHP⁺24, ACA⁺22, RWS⁺22, SWV⁺24].
denitrifier [LPMBR23]. **denitrifying** [ZQB⁺21]. **dense** [GCP⁺25].
Density [CHAA21, HZC⁺24, YJB⁺20]. **Density-dependent** [CHAA21].
Dependency [KLG⁺23, GZX⁺22]. **dependent**
 [BMLV24, CHAA21, FMMD⁺25, GNO22, GGDB25, GMD⁺24, HGH⁺21,
 KP20, LMP⁺20, MWHR⁺22, OBL21, SZY⁺20, WHZ⁺21, ZLS⁺21]. **depleted**
 [SBW⁺20]. **depletion** [SMCS23, SSWM20, TJL⁺24]. **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, LFBS24, LAFV23, MTB⁺21, PMF⁺21,
 STB⁺24, SO23, SMKS22, WKCR25, ZYW⁺24]. **Depth-dependent**
 [LMP⁺20]. **depth-keeping** [FGO⁺20]. **depth-related** [BSGA21]. **depths**
 [LMS23, SSH⁺22]. **derived** [CDW⁺24, DVL⁺23, DLDF21, PSNG⁺21,

SBCF24, 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]. **Determination** [TFI⁺²⁴]. **determinations** [ADLW22]. **determine** [BHG⁺²⁴, CSM⁺²³, CUS21, GF21, HZZ⁺²⁵, LPMBR23, PGB24, PHM21, TATC⁺²⁴, WOT⁺²³, dSNIB22]. **determines** [GTNH25, JSB⁺²⁰]. **determining** [CZH⁺²¹, SKY⁺²⁴, SIKU25]. **Deterministic** [PATL⁺²³]. **Detritivore** [FPG⁺²⁴]. **Detritus** [BVL⁺²³, LMP⁺²⁰, SPKM22]. **Detritus-hosted** [BVL⁺²³]. **development** [MOW⁺²², MNMJ⁺²¹, OYM⁺²⁰, TJH⁺²⁵]. **developmental** [GBSVJR⁺²⁴]. **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, PCC⁺²⁴, QBJG21, STB22, SKB⁺²², SWV⁺²⁴, WRS⁺²², YSHS22, YSHS23, ZLIP20, ZMC⁺²⁴]. **diatom-bound** [SWV⁺²⁴]. **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, PLC⁺²⁴, RWL⁺²⁴, RHSK24, SOWP24, WRHR22, ZLL⁺²¹, ZLA⁺²⁴, 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, YDM⁺²⁵, YOXC23]. **Diego** [GNO22]. **Diel** [HGDW24, KTWGT20, BHG⁺²⁴, BJS23a, GNO22, LGI⁺²⁰, MK21, PRL⁺²⁵]. **diet** [BRV⁺²⁵, DvOH⁺²⁰, TION23, VST⁺²²]. **differ** [BSIdG23, BMLV24, SWS⁺²²]. **Differences** [SIKU25, HMBB21, VGvdB⁺²¹, XSZ⁺²¹]. **Different** [HEH⁺²⁰, LPO⁺²⁰, RRH⁺²⁴, SML21b, WBAG24, BRCO21, BRB⁺²², CGGC⁺²¹, CYT⁺²⁴, FLA25, KSN⁺²¹, KIB⁺²⁴, MTB⁺²¹, MHMML⁺²², RBR⁺²³, SSL22, SOWP24, XSZ⁺²¹, ZLS⁺²¹, ZZB⁺²⁰]. **Differential** [CR25, GMC⁺²⁵, KBB⁺²², RWL⁺²⁴, VKB⁺²², GZZ25]. **differentially** [ŚWKS⁺²⁵]. **differentiated** [DCAB24, LHH24]. **differently** [BWSW24, WWFS21]. **differs** [BRB⁺²⁰, JLS⁺²⁰]. **diffuse** [ZXE⁺²³]. **diffusion** [SOWP24, ZLIP20]. **diffusive** [HMOY25]. **digitale** [MMKWZ22]. **dimensional** [CLT⁺²²]. **dimensions** [LHL⁺²¹]. **dimethyl** [LCS⁺²⁴, MT23, XYZ⁺²¹]. **dimethylated** [MZXY22, MY23]. **dimethylsulfide** [GMNG⁺²⁴]. **dimethylsulfoniopropionate** [BGvL⁺²⁵, ORRMD⁺²¹]. **dimethylsulfoxide** [HDK⁺²¹]. **dimictic** [ACA⁺²², Aus24, KZK⁺²⁵, PW22]. **dinitrogen** [SBL⁺²¹]. **dinoflagellate** [CGRGP⁺²¹, FHMK20, MTT⁺²⁴, PHM21, SNH⁺²⁵]. **dinoflagellates** [CLGH23, FHMK20]. **dioica** [MLS⁺²¹]. **dioxide** [BCL⁺²², CXK⁺²⁵, CM20a, CCS⁺²⁴, DGTW21, HNS21, RVBP23, RHA⁺²³,

SBL⁺²¹, SWK⁺²³, XDQ⁺²²). **dipole** [LXC^{+21a}, WCC20]. **direct** [MEQB20]. **direction** [WWB⁺²⁰]. **directly** [FWvA⁺²¹, dJSS24]. **discharge** [AFH⁺²¹, BSC⁺²⁴, FKN21, IÁSNCR21, KRB⁺²¹, KRM⁺²⁰, MGI⁺²², PCN22, RTM⁺²¹, SZA⁺²¹, WTS⁺²⁵, WLK⁺²¹, vdPMF⁺²¹]. **discharging** [BKMY21]. **disconnected** [BGAD⁺²²]. **discovery** [DNA⁺²²]. **discriminate** [FDB24]. **Disease** [ARB⁺²²]. **disentangled** [GMNG⁺²⁴]. **Disko** [MN20]. **dislodgement** [CZA24]. **disparate** [SMW⁺²¹]. **Dispersion** [PHM21, BS25, DCJB22, GCW⁺²³, MLS⁺²¹, ZZL⁺²¹, ZSZ⁺²²]. **dispersion** [CTH⁺²⁰, FLA25, RPA⁺²²]. **disproportionately** [BKC20]. **disruption** [RS20]. **dissimilatory** [CEW⁺²¹, RWS⁺²²]. **dissipation** [PLLM21]. **dissipative** [EWF22]. **dissociation** [BBWB24]. **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, BCY⁺²⁴, BND⁺²³, BW25, BMCS23, BPIBN20, BAD⁺²¹, BGG⁺²⁰, BYS⁺²³, BGM⁺²¹, CGGC⁺²¹, CPB⁺²¹, CTP21, CLC⁺²², CLM25, CM21, CCDM21, DVL⁺²³, DPB⁺²³, EJRR23, FAB⁺²⁰, GB23, GGDB25, HGDW24, 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, MZR⁺²⁵, 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, WDL⁺²⁴, WSC⁺²⁵, WMRL22, YWLY20, ZZT⁺²¹, ZYZ⁺²¹, ZZB⁺²⁰, dMKB⁺²⁰]. **Distinct** [AFH⁺²¹, CBD⁺²³, JSE⁺²⁵, 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, GBSVJR⁺²⁴, KBL⁺²⁰, LBBM21, LL23, MLK⁺²², OFM⁺²¹, PVH24, RBR⁺²³, SBJ⁺²⁴, SMKS22, SCM22, TRS⁺²⁰, VSB⁺²³, ZZO⁺²¹]. **distributional** [GBC⁺²⁰]. **Distributions** [WOK⁺²¹, EPR⁺²⁴, HBG⁺²², HSLB25, JSL⁺²³, LAFV23, LWC⁺²⁴, LLBC20, MT23, PYY⁺²⁰, YAH⁺²¹]. **Disturbance** [WPO⁺²², BPG⁺²², LCM⁺²², SYMF21, TLMP24, ZSD⁺²⁰, ZTT23]. **disturbances** [GTMC25, LDB⁺²⁰, RPKC22]. **disturbed** [BCWS23]. **diurnal** [BWSW24]. **Divergent** [QRWT⁺²², BRB⁺²², RRH⁺²⁴]. **Diverse** [FM21, GSP⁺²³, BMCS23, DBFC24, GCP⁺²⁵, 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, OSK⁺²⁴, PYM⁺²⁰, PGEB22, RPKC22, RK24, SLHL⁺²², SSK24, VSB⁺²³, WNHY21, XTJW21, YPH⁺²⁴]. **division** [KTWGT20]. **DNA** [CSM⁺²³, CBN21, GWS⁺²¹, OGD20, SLHL⁺²², YPH⁺²⁴]. **DNA-based** [CBN21, GWS⁺²¹]. **DNRA** [CHP⁺²⁴]. **Do**

[WRA⁺²³, KGG⁺²³, RMH⁺²², SBCF24, SEK20, ZXZ⁺²³]. **DOC**
 [BMR^{+21a}, HLKD23, MBH⁺²³, MFGF⁺²²]. **Does**
 [LLGP24, CHS⁺²⁰, LPA⁺²³, RBD22, ZZCD23]. **doi** [Ano21a]. **Dolioletta**
 [FLW⁺²¹]. **doliolid** [FLW⁺²¹]. **doliolids** [SSC⁺²⁵]. **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, WTS⁺²⁵]. **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, WYY⁺²⁴]. **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, KRBF25, LCS⁺²⁰,
 MV22a, MV22b, PBC21, PATL⁺²³, PSK21, REvdMO24, 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, KMK⁺²⁴,
 LD22, LMSN23, MCH⁺²², MZ25, MKL⁺²⁴, OHK⁺²⁴, PVH24, SB22,
 SLZ^{+21b}, TEK⁺²¹, ZCZ⁺²³, vdPMF⁺²¹]. **driver**
 [HJB⁺²⁵, NvBE⁺²¹, SGS22, ZSW⁺²⁴, 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**
 [DGD⁺²⁴, DBB⁺²¹, DBM⁺²³, KDZ⁺²⁴, KBL⁺²⁰, LBL⁺²⁴, MHdS⁺²¹,
 RTM⁺²⁰, RTM⁺²¹]. **driving** [CZH⁺²¹, CLP⁺²⁴]. **drought** [YDM⁺²⁵].
drought-induced [YDM⁺²⁵]. **dry** [YAE⁺²³]. **drying** [CTF⁺²¹, SLRS⁺²⁴].
Dual [PCC⁺²⁴, TMM⁺²⁰, LLC⁺²³, ZMS⁺²⁴]. **due**
 [AFH⁺²¹, BHSL21, BGM⁺²², MLP21b, XSZ⁺²¹]. **duration**
 [ABC⁺²¹, CTF⁺²¹, PW22]. **during**
 [ACA⁺²², AJMG21, Ano21c, BGM⁺²², BPL22, CYT⁺²⁴, CLM25, CCC⁺²¹,
 CM20b, CLP⁺²⁴, DGD⁺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, YPH⁺²⁴,
 YWLY20, YRC⁺²⁴, 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, SBT25, ZLU⁺²⁰, ZSZ⁺²⁴, 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, GGDB25, GLARS25, GCS+24, 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, RGE+24, RHM+21, SNH+25, SPHH22, SBB20, SO23, SLRS+24, SLZ+21b, STAK22, VJH+22, WOMWR20, WSC+25, XMP+21, YAL+25, ZSW+24, ZSF+23, ZGdS+24, ZMS+24, vHHP+22].

Earlier [PW22]. **early**

[GB25, 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, JSE+25, 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, KTP25, LHD+20, PSK21, RWT+21]. **ebullitive** [KSH+23].

echosounder [PSY+22]. **Ecklonia** [BRHS20, BS20]. **eco** [RNW+23].

eco-surroundings [RNW+23]. **Ecological**

[BLS+22, DCAB24, DTPV21, MKBSK19, ACE+22, ADLW22, ASL+24, BHN+24, FDF+21, HLH+23, HZZ+25, 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]. **ecoregions** [HAB+24]. **Ecosystem**

[MA21, SWB+20, VCBB20, Ano24a, BD22, BJS+23b, BLS20, BRM+23, CLG+24, ChHC+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, OHK+24, OBB+20, PHB+22, PFB+22, PMZ+25, PSNS22, PHM21, RVvB+23, RGP+22, SML21b, TRC+25, TLMP24, TKM+22, TJW+22, VJH+22, WWB+20, WRC+21, WKCR25, WMTJW22, ZCQ+24].

ecosystem-metabolism [PHB+22]. **ecosystems**

[BSB+20, BR22, BGM+21, BFW+22, CBPNA22, CML23, CLW+21, CCDM21, FMT+20, GF21, GSD+23, HGMK22, HAB+24, HGH+21, JLMW21, KHK+22, MZR+25, SHS+22, SPHH22, SOT+20, dJSS24]. **ecotone** [AGC+21]. **ecotones** [YAL+25]. **ecotypes** [TRS+20]. **ectotherm** [MLP21b].

eddies [ACE+22, EWF22, LXC+21a, SSA+23, ZBNH+21]. **Eddy**

[GPDA+20, KZK+25, BBMD20, LBL+24, VLP+21, WCC20]. **Edge**

[YAL+25, 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** [ChHC⁺24, EJRRRC⁺23, HLKD23, SYT⁺21, YSHS22, ZMC⁺24, CON⁺24, GMS21, LSL⁺20, MXL⁺21, MVBG20, PS24]. **effective** [KAP⁺20, PCC⁺24]. **Effects** [CGR22, DWR⁺23, EDC24, HANW21, HSBC20, HSP⁺20, LLC⁺23, LLC21, MZR⁺25, MCH⁺21, MOW⁺22, MTT⁺24, OSR20, PBGGRB21, SSL22, SSWM20, WKCR25, ZLIP20, AFK⁺22, BYS⁺23, BS20, BLS20, BPG⁺22, CGC⁺21, CXK⁺25, FMT⁺20, FPB⁺23, GGLH⁺22, GLN⁺21, FFG⁺22, GMD⁺24, JHSG⁺24, JHBB22, KSR20, LRdGFP23, LTLH22, MVP⁺20, MLC⁺21, MO23, MDWT⁺22, MSB⁺20, MGC⁺20, MGG⁺24, QRWT⁺22, STB22, SSEO21, SCM22, TCB25, VKB⁺22, VWR⁺23, WRS⁺22, YAL⁺25, YG23, ZTT23, ZLA⁺24, dJGCS23, BZK⁺22]. **efficiency** [ALH⁺21, BHR⁺23, FDHS20, GZX⁺22, HPCH24, SGSF20]. **Efficient** [KMV⁺20, OHK⁺24, SWZ⁺23]. **effort** [DFJ22]. **egg** [CZA24, KSI24]. **eggs** [OLR⁺23, ZLG⁺23]. **eight** [vHHP⁺22]. **ejection** [WSB⁺20]. **Electrona** [DAB⁺21]. **electrothrix** [MLK⁺22]. **Element** [HTSG21, SBT25]. **Elemental** [EHC⁺22, LLMM⁺23, CR25, HMBB21, MV22a, MV22b, STB22, WBAG24, 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** [NCO⁺24, SCC⁺21]. **embayment** [FWDY20, NSK⁺21]. **emerge** [QMG21]. **emergence** [SDS⁺23]. **emergent** [HZZ⁺25, HZZ⁺20, VJS⁺20]. **Emerging** [SKB⁺22, LTH21]. **Emiliana** [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, NMRW24, PLB⁺21, SPBK21, WYY⁺24, YJS⁺25, YOXC23]. **empirical** [GMI⁺21, WRMP22]. **enables** [BEM⁺25]. **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]. **energetically** [LLC⁺24]. **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** [CAN⁺24, FWT⁺20, LCS⁺24, QBJG21]. **enriched** [KWS⁺21, ZLW⁺21a]. **enrichment** [BAG⁺24, BS20, BGM⁺21, BRM⁺23, CAV⁺22, CXK⁺25, DKPS23, GGS⁺21, HHMH22, LZM⁺21, LLGP24, LLTT⁺24, RLL⁺21, YvdHC⁺20]. **entrained** [SYMF21]. **entropy** [CGGC⁺21]. **environment** [AWB⁺23, CPB⁺21, CLM25, GGHBS⁺20, KWS⁺21, LVZ21, OYM⁺20, RBD22, TRS⁺20]. **Environmental** [CLP⁺24, KOR⁺20, KAC⁺23, LTJ⁺20, OGD20, PGE22, SORGC⁺21, CVF⁺20, DFF⁺24, GGLH⁺22, GCW⁺23, HZC⁺24, IYW⁺22,

JHBB22, MY23, MDDL22, PSNG⁺²¹, PMZ⁺²⁵, PCC⁺²³, SSL22, SBJ⁺²⁴, SLHL⁺²², WBB⁺²¹, WRC⁺²¹, WCH⁺²¹, ZLS⁺²¹, vLWV⁺²⁰].

environmentally [BBWB24]. **environments** [AMC21, HH24, MP23, RCS⁺²⁰, WLSD21]. **enzymatic** [BHSG⁺²⁰, BSGA21]. **enzymes** [BSGA21]. **Eodiaptomus** [LDB⁺²¹].

epibiont [RBL⁺²⁰]. **epibionts** [JHS⁺²¹]. **epifaunal** [CCFF21]. **epilimnetic** [HSB⁺²⁰]. **epilimnion** [HMOY25]. **Epiphyton** [GTNH25]. **episodic** [CJB⁺²¹, PFH21, RPKC22, YAE⁺²³]. **equatorial** [BCA⁺²⁰]. **Erie** [PCC⁺²⁴, AJMG21, CWF⁺²², LEK⁺²², MDP⁺²³]. **erodibility** [HLPT20].

eroding [WPO⁺²²]. **erosion** [BBCA⁺²¹, MHMML⁺²², SYT⁺²¹, TDD⁺²⁴, WTvD⁺²², YLT⁺²⁰].

Erratum [Ano21d]. **escape** [MAR⁺²⁴]. **essential** [BMR^{+21a}, TRC⁺²⁵, VCT⁺²³, VST⁺²²]. **establish** [DFF⁺²⁴]. **established** [PSNS22]. **establishment** [SH22, ZZL⁺²¹, vHHP⁺²²]. **estimate** [LvBS⁺²²].

estimated [GLN⁺²¹, RST⁺²¹]. **Estimates** [Wei24, DHNH22, KSI24, MGI⁺²², NMRW24, WLSD21]. **estimating** [LAB⁺²², PMJ⁺²¹]. **estimation** [VGSB23]. **estuaries** [ACW⁺²², CMdIPÁS⁺²⁴, DKPS23, EFC⁺²³, HTLP23, IOS24, MLP^{+21a}, MHdS⁺²¹, RTM⁺²⁰, RS21, SDL22, WTS⁺²⁵, YMSH20]. **Estuarine** [GFG⁺²², AVS⁺²², CEW⁺²¹, HTLP23, HSLB25, LSC⁺²¹, PKKS20, PMZ⁺²⁵, SMNT22, SSEO21, SLZ^{+21a}]. **Estuary** [LVHK20, BPIBN20, BPL22, BKMY21, FR23, GCS⁺²⁴, HBS⁺²², HSV22, KBSA21, KDZ⁺²⁴, MURK20, MK21, PGB24, RTM⁺²¹, RVvB⁺²³, TFI⁺²⁴, TBH⁺²², WAPC20, WLK⁺²¹, YOXC23, BM22, BMB22, YGD⁺²¹].

ethylene [SBW⁺²⁰]. **eukaryote** [XKP⁺²²]. **eukaryotes** [BMLV24, MK20].

Eukaryotic [DLL20, CYT⁺²⁴, OGRS⁺²⁵, PATL⁺²³, SRM23]. **Euphotic** [SWB⁺²⁰, RBSV⁺²⁴]. **European** [DMM⁺²¹, ESW⁺²¹, MMKWZ22, ZSK⁺²¹]. **eutrophic** [AWGV20, BBH⁺²⁰, BHSL21, CGC⁺²¹, DHNH22, HZZ⁺²⁵, HMB⁺²², JLW⁺²³, KRC23, KHHZ20, MLC⁺²¹, SWV⁺²⁴, TJL⁺²⁴, 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** [BW25, 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, KMK⁺²⁴, 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** [HH24, 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, CCS⁺24, EFG⁺24, MBA⁺21, NvBE⁺21, SMNT22, TEK⁺21, YJS⁺25]. **exchange-driven** [TEK⁺21]. **exchangeable** [WXK⁺22]. **exchanges** [TBH⁺22]. **excludes** [BGvL⁺25]. **Exemplified** [GTNH25]. **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, TLMP24, CBPNA22, HAC⁺24, HKM⁺20, KTA⁺21, KFHS24, SVC⁺22, ZJ22a]. **experiments** [BDE⁺22, BBA⁺23, GMC⁺25]. **explain** [BVGQN22, DMM⁺21, MTP⁺23]. **explained** [vLWV⁺20]. **explaining** [LPMBR23]. **Exploring** [HM20]. **export** [BCWS23, BRCO21, DBM⁺23, GLM⁺23, KBvdD⁺20, MMG⁺21, OHK⁺24, RMW⁺21, SDL22, SPKM22, TEK⁺21, WSZ22a, WSZ22b, YAP⁺22, YXC⁺22, ZBNH⁺21, ZYZ⁺21]. **exports** [SOT⁺20]. **exposed** [BOC⁺21, DGTW21, TDD⁺24]. **Exposure** [ABC⁺21, BS25, 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]. **extinct** [GTMC25]. **extinction** [GRJ20]. **extracellular** [YEF⁺24]. **extracted** [BAD⁺21]. **extrapallial** [CGR22]. **Extratropical** [BJS⁺23b]. **Extreme** [BTK⁺21, CHA⁺24a, SRN⁺21, TKM⁺22, TUR⁺20]. **extremes** [KDV⁺23, MK21]. **extremities** [TPTS23]. **exudates** [BMG⁺23]. **exudation** [RRAO⁺21]. **eyes** [ZYW⁺24].

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, MTT⁺24, PCC⁺23, SIKU25]. **failed** [SRV⁺20]. **far** [BTK⁺21]. **fast** [KBB⁺22]. **fat** [MN20]. **fate** [CDW⁺24, PGB24, QBJG21, SPKM22, SGK⁺21, ZCZ⁺23]. **Fatty** [LTF⁺24, BRV⁺25, CLG⁺24, EST⁺24, KLG⁺23, TRC⁺25, VST⁺22]. **fattyacids** [Ano24a]. **fauna** [BDMGH⁺23]. **favorable** [SSA⁺23]. **Fe** [RvHF⁺20, WBAG24]. **Fe-limited** [WBAG24]. **Fear** [PVSP⁺22]. **features** [ZZL⁺21]. **featuring** [THL⁺21]. **February** [CMT⁺20]. **Fecal** [SSM21b, DGD⁺24, DMS⁺21, LG21, MLS⁺21]. **fed** [WTS⁺25]. **feedback** [FÖJ⁺24, MBLA⁺21]. **feedbacks** [MHD⁺22]. **feeding** [CP22, CSNS24, CCG⁺22, CUS21, FRRG⁺21, FDB24, FLW⁺21, KGG⁺23, RTK23, SNH⁺25, SYMF21, WKCR25, WSB⁺20, WSZ22a, WSZ22b]. **feeding-current** [SYMF21]. **female** [KSI24]. **fermentation** [NKH⁺23]. **ferromanganese** [PVB⁺24]. **ferruginous** [TZF⁺22]. **fertilization** [BPG⁺22, HSBC20]. **few** [OMM21]. **field** [APB⁺23, Ano24b, BDE⁺22,

FLA25, GLN⁺²⁰, GMC⁺²⁵, SVBT20, SBT25, SIKU25, 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** [SWV⁺²⁴, SRL⁺²⁰]. **fish** [APB⁺²³, Ano24b, BMA⁺²⁰, BMS⁺²², CESS21, CLT⁺²², CPBJR⁺²¹, DWR⁺²³, EST⁺²⁴, GCMJ23, GPDA⁺²⁰, GBSVJR⁺²⁴, 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, SBP⁺²⁵, WRMP22, WSZ22a, WSZ22b]. **fishing** [DFJ22]. **fitness** [GMD⁺²⁴, TVB⁺²¹]. **five** [BMB22]. **fixation** [BGvL⁺²⁵, BMCS23, HBS⁺²², LLL⁺²³, LTH21, LTLH22, OGRS⁺²⁵, RBSV⁺²⁴, SCC⁺²¹, SMW⁺²¹, SBL⁺²¹, SWV⁺²⁴, hTRH20, YSHS23, ZLL⁺²¹]. **fixed** [FRRG⁺²¹]. **fixers** [AAC⁺²¹]. **fixing** [CXX⁺²⁵, 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** [FSdS⁺²⁴, ZGdS⁺²⁴, ZvBZ⁺²⁰]. **Flexible** [VKGW22, ZLN21]. **floating** [DCAB24, RHM⁺²¹, SYMF21, VJS⁺²⁰]. **floating-leaved** [DCAB24, 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}, FLA25, FHR⁺²¹, FHMK20, GLN⁺²¹, GBHF21, LDG⁺²¹, MDBI20, RBAC⁺²⁰, SVBT20, VKGW22, WSB⁺²⁰]. **Flow-induced** [ZN20]. **flowering** [GELME⁺²⁴]. **flowing** [DAB⁺²¹]. **flowpaths** [GEHD20]. **flows** [NH22, dSMPC24]. **Fluctuating** [WBB⁺²¹, GK22, SPBK21, ZXZ⁺²³]. **fluctuation** [BWSW24]. **fluctuations** [JHS⁺²¹, WRMP22]. **Fluid** [CUS21, SNH⁺²⁵, CGR22, MAR⁺²⁴, STAK22]. **flume** [WTvD⁺²²]. **fluorescence** [FDB24, GF21, LLBC20, RKBT⁺²³]. **fluorescence-activated** [FDB24]. **fluorescence-based** [LLBC20]. **Fluorescent** [BMG⁺²³]. **Fluorescently** [FDB24]. **flushing** [XWL⁺²¹]. **fluvial** [PSE⁺²⁰, PGB24, RBAC⁺²⁰, YLT⁺²⁰]. **flux** [CCB⁺²⁰, CHS⁺²⁰, CBN21, DHNH22, DGD⁺²⁴, DGTW21, FUUG⁺²¹, HCB⁺²², HZM⁺²¹, IKN⁺²¹, MGWS23, NB20, RSP⁺²⁴, SBD⁺²¹, SMNT22, VLP⁺²¹, WF22, WDS⁺²³, WSZ22a, WSZ22b, YMSH20, ZZJ⁺²⁵]. **fluxes** [ACW⁺²², GBB⁺²¹, HMOY25, LXC^{+21a}, MCYR20, NSK⁺²¹, OCCW24, 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, KSMCL24, MV22a, MV22b, PSNS22, RBL⁺²⁰, TSX⁺²³, WRC⁺²¹, APB⁺²³, Ano24b, 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, WDL⁺²⁴, YAP⁺²². **foraging** [CFC⁺²⁰, CSB22, NCC⁺²¹, STAK22]. **foraminiferal** [XLN21]. **forces** [CLP⁺²⁴]. **forcing** [CMB⁺²¹, MMF⁺²⁴, 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** [Ano25i, VWR⁺²³]. **formation** [BC20, CZH⁺²¹, GAS⁺²¹, GBC⁺²⁰, HVMS⁺²¹, KMK⁺²⁴, LBL⁺²⁴, PLLM21, YGD⁺²¹, ZSZ⁺²¹]. **formed** [STO⁺²⁴]. **forming** [BMH⁺²³, KOR⁺²⁰, SOWP24]. **forms** [KRC23, SML21b, ZvBZ⁺²⁰]. **Forward** [ZJ22a]. **foundations** [BV21]. **four** [BGvL⁺²⁵, BMR^{+21a}, DCAB24, SVM⁺²²]. **fraction** [BCL⁺²², GCS⁺²⁴]. **fractionated** [KSF⁺²³, KSR20, LXC^{+21b}]. **fractionation** [CYT⁺²⁴, 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, KZK⁺²⁵, 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}, TJH⁺²⁵, VVMJ23, WDG⁺²¹, WSC⁺²⁵]. **frequent** [BRB⁺²²]. **Fresh** [IÁSNCR21]. **Freshening** [WM20]. **Freshwater** [MLP^{+21a}, AMC21, BHSG⁺²⁰, BWV⁺²⁰, BBWB24, BR22, BGM⁺²¹, BOC⁺²¹, BLS20, CML23, CKCB⁺²³, DWR⁺²³, HSBC20, HP20, KWS⁺²¹, KZK⁺²⁵, LTQS⁺²¹, LABM20, MZR⁺²⁵, MSGW⁺²⁰, MWHR⁺²², PGEB22, RVBP23, SBH23, VJS⁺²⁰, WNHY21, XTJW21, YIS⁺²⁴, vdPMF⁺²¹]. **freshwaters** [BYS⁺²³, CPB⁺²¹]. **fringed** [KDZ⁺²⁴]. **fringing** [TDD⁺²⁴]. **Front** [TKA21, SCC⁺²¹, YLT⁺²⁰, ZMS⁺²⁴]. **Frontal** [SSA⁺²³]. **frustules** [XSZ⁺²¹]. **fucans** [HVMS⁺²¹]. **fuels** [CBF⁺²³, ZZJ⁺²⁵]. **Fukushima** [TNK⁺²²]. **Fukushima-derived** [TNK⁺²²]. **Full** [SO23, OLR⁺²³, RVS⁺²²]. **Full-year** [SO23]. **function** [BJG⁺²², HTSG21, LBBM21, LTF⁺²⁴, LHH24, MMF⁺²¹, MKM⁺²³, OYM⁺²⁰, THVJ23, VWR⁺²³]. **Functional** [KL22, MLB⁺²¹, MACC24, SSK24, BWB⁺²², CSB22, DCAB24, 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** [YEF⁺²⁴, 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, WYY⁺²⁴]. **gegenbauri** [FLW⁺²¹]. **gelatinous** [CDH⁺²¹, HCH⁺²⁴, PVH24]. **gene**

[BMH⁺²³, DLL20, MBD⁺²², MBD⁺²³, WCZ⁺²⁰, WNHY21, ZR23, ZMS⁺²⁴]. **generalists** [MZW⁺²¹]. **Generation** [GZZ25, KZK⁺²⁵]. **Genes** [PMZ⁺²⁵, BCA⁺²⁰, FAB⁺²⁰, LOW⁺²⁰, MVBG20]. **genetic** [RK24]. **Geneva** [Lem20, SLZ^{+21b}]. **genomes** [RCS⁺²⁰]. **Genomic** [MUGL20]. **genotype** [GMD⁺²⁴]. **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]. **gigantism** [BEM⁺²⁵]. **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]. **go** [FLA25]. **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** [Ano24a, BSGA21, CLG⁺²⁴, DFF⁺²⁴, GLAHH⁺²³, LAFV23, MTB⁺²¹, SORGC⁺²¹, TKA21, TKS⁺²⁰]. **gravel** [ARBvS⁺²¹]. **gravel-bed** [ARBvS⁺²¹]. **Grazer** [LLC⁺²⁴, GSD⁺²³]. **Grazer-induced** [LLC⁺²⁴]. **grazers** [BWB⁺²², RHSK24, SDSGR21, ZJ22b]. **Grazing** [HBY⁺²², TATC⁺²⁴, BDC⁺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** [WYY⁺²⁴, BSIIdG23, 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, BSC⁺²⁴, FKN21, HGH⁺²¹, IÁSNCR21, KRM⁺²⁰, NSK⁺²¹, RTM⁺²¹, RST⁺²¹, SMK24, WTS⁺²⁵, WLK⁺²¹]. **Groundwater-controlled** [KPM⁺²⁰]. **groundwater-dependent** [HGH⁺²¹]. **group** [BBL⁺²¹, EHC⁺²², SSB⁺²²]. **groups** [BDL⁺²¹, LTQS⁺²¹, LLBC20, SRM23]. **grown** [WBAG24]. **Growth** [JHS⁺²¹, ZLS⁺²¹, BS20, BK20, CFC⁺²⁰, CR25, DWR⁺²³, FPG⁺²⁴, FBJ⁺²³, FPB⁺²³, HAC⁺²⁴, HSP⁺²⁰, JHBB22, KPG⁺²³, KFHS24, LLC⁺²⁴, LSL⁺²⁰, LDB⁺²¹, LSDA21, MZR⁺²⁵, MRC⁺²⁴, MVP⁺²⁰, MDWT⁺²², MMLPRHCG22, MTT⁺²⁴, PKV20, QBJG21, RGW⁺²³, ŚWKS⁺²⁵, SMD21, YSHS22, ZLA⁺²⁴, ZWM22]. **Growth-dependent** [ZLS⁺²¹]. **guidelines** [LCMG⁺²⁰]. **guild** [WKCR25]. **guilds** [RBAC⁺²⁰, WSZ22b, WSZ22a]. **Gulf** [DLDF21, DP22, KPS21, MLP^{+21a}, PMRG20, SMP21, WSZ22a, WSZ22b,

YMSH20]. **gut** [GMD⁺24]. **guttatus** [BFCC⁺21]. **gyre** [GZZ25, HYPG⁺22, RPKC22, ZBNH⁺21].

H [LTLH22, hTRH20]. **Habitat**

[BBCA⁺21, GCP⁺25, WHZ⁺21, CYZZ⁺20, CBD⁺23, DFJ22, GRJ20, KHCG⁺22, MO23, NCO⁺24, PSY⁺22, SBP⁺25, 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 [MAR⁺24, THT⁺20]. **hard** [MKBSK19]. **hard-substrate** [MKBSK19]. **hardgrounds** [PVB⁺24]. **Harmful**

[BK20, DTPV21, HM20, HMB⁺22, KMK⁺24, KAC⁺23, KRC23, LZG21, MTT⁺24, PHM21, SKB⁺22, THS21]. **harpacticoid** [BRV⁺25]. **Harvey**

[KPS21]. **Hatteras** [SCC⁺21]. **HAUSGARTEN** [MKBSK19]. **Hawai'i** [CON⁺24]. **Hawaiian** [SWS⁺22, BST⁺22, HBY⁺22, PMJ⁺21]. **Headward**

[WPO⁺22]. **Headward-eroding** [WPO⁺22]. **headwater** [BCL⁺22, BMH⁺25, RWT⁺21, RBSB22]. **Headwaters** [GBHF21, TWM⁺25].

healthy [YvdHC⁺20]. **heat**

[EJRRC⁺23, LFBS24, LRdGFP23, SSL22, SRV⁺20, VGvdB⁺21]. **heated** [DKW⁺21, DMCW23]. **heatwave** [DMM⁺21, JHSG⁺24, ZZHZ23].

heatwaves [GELME⁺24, GBW24, ZSF⁺23]. **heel** [ZvBZ⁺20]. **hemisphere** [CZK⁺23]. **herbicides** [YML⁺21]. **herbivory**

[FWT⁺20, JREVB21, LCZ⁺21]. **heterogeneity** [CLW⁺21, GCW⁺23, GCP⁺25, HMB⁺20, OSK⁺24, RWT⁺21, SCC⁺21, SBP⁺25]. **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, MAR⁺24, MDIY23, MKD22, PSE⁺20, PHB⁺22, SWK⁺23, TDD⁺24, VVMJ23, WDG⁺21, WSC⁺25, ZZO⁺21, AAC⁺21, BCWS23, BOC⁺21, BBGM20, CGGC⁺21, CM20a, CZK⁺23, CGB⁺21, DGD⁺24, DGTW21, DCF⁺22, DAD⁺21, EFP⁺21, GGDB25, 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, YZX⁺24, ZQB⁺21, vdPMF⁺21, PLB⁺21, RCS⁺20].

high-altitude [DCF⁺22]. **high-Arctic** [BOC⁺21, DGD⁺24]. **high-CO** [YZX⁺24]. **high-elevation**

[CM20a, DGTW21, SLHL⁺22, VMT⁺24, ZQB⁺21]. **High-frequency** [MKD22, SWK⁺23, VVMJ23, WDG⁺21, WSC⁺25, CZK⁺23, DAD⁺21, SSM⁺22a]. **high-latitude** [JSB⁺20, KCT23, LDG⁺21, SLHL⁺22].

high-mountain [CGGC⁺21, GGDB25, MHVC22]. **High-resolution** [PHB⁺22, ZZO⁺21, BCWS23]. **High-speed** [MAR⁺24]. **high-throughput** [BBGM20, WZCK20]. **Higher** [GCEM⁺23, MRT⁺24, TION23, CLC⁺22].

Highest [KTA⁺²¹]. **highlight** [SBP⁺²⁵]. **Highly** [ZLW^{+21a}, EFC⁺²³, FUJE24, LDG⁺²¹, MMF⁺²⁴, RBD22, TWM⁺²⁵].
historic [MDDL22]. **Historical** [GGLH⁺²², BAG⁺²⁴]. **history** [HXL⁺²¹, SSL22]. **Holistic** [BH24]. **holobionts** [MSD23]. **Holocene** [MPW⁺²³]. **holomictic** [XTL⁺²⁰]. **Homeostasis** [DBB⁺²¹, ZMC⁺²⁴].
Homeostatic [HP20]. **host** [DAP⁺²⁴, FPBG⁺²², GMD⁺²⁴, KSN⁺²¹, LEB21, TVB⁺²¹]. **host-algae** [FPBG⁺²²]. **hosted** [BVL⁺²³]. **hosts** [CML23]. **Hot** [ONH⁺²⁰, REvdMO24]. **hotspot** [KPNJ23, SCC⁺²¹]. **hotspots** [CFC⁺²⁰, EFC⁺²³, JSE⁺²⁵]. **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, FLA25, GCMJ23, GCS⁺²⁴, KMK⁺²⁴, 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, NCO⁺²⁴, dCLO⁺²³]. **hyper** [AWGV20, SWV⁺²⁴].
hyper-eutrophic [AWGV20, SWV⁺²⁴]. **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, GB25, AAB⁺²², EFG⁺²⁴, FUJE24, LHS⁺²¹, MKL⁺²⁴, PMD⁺²³, SLZ^{+21a}, WYY⁺²⁴, WGK^{+24b}, YGD⁺²¹, ZLU⁺²⁰, vHLV⁺²⁰].
hypoxia-driven [MKL⁺²⁴]. **hypoxic** [LM24, MLK⁺²², QRWT⁺²², RWS⁺²², SCB⁺²⁰, TRG24]. **hysteresis** [MAP⁺²²].

ice [AHF⁺²², BW25, CCA⁺²¹, CVF⁺²⁰, HS21, JHvL⁺²³, KPG⁺²³, KFHS24, KZK⁺²⁵, LAFV23, LDS⁺²⁰, LCS⁺²⁴, 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, YRC⁺²⁴, 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, KZK⁺²⁵]. **ice-retreat** [SJJ⁺²¹].
Identification [AMC21]. **identifies** [OGD20, SLHL⁺²²]. **Identifying** [PRL⁺²⁵, 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, CCS⁺24, JLW⁺23, KWS⁺21,
 LG21, MIR⁺22, RLL⁺21, RWT⁺21, YAL⁺25, YOXC23, ZN20, dJSS24].
impacted [LSCL21]. **impactful** [CCG⁺22]. **Impacts**
 [BJS⁺23b, OBB⁺20, BSB⁺20, BKC20, CR25, CLW⁺21, GMC⁺25, 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, SLP⁺24]. **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, HAC⁺24, KDW⁺23, QBJG21, ZXE⁺23].
Importance [BBH⁺20, MGI⁺22, BCTH20, BBM21, Bri24, FBR⁺23,
 GCW⁺23, HS21, LLBC20, MHG⁺23, TION23, TKH21, TRS⁺20, ZZT⁺21].
important [GKW⁺20, GKW⁺21, MCS⁺23, MKM⁺23, PMZ⁺25, RLL⁺21].
improve [THS21]. **improvement** [HSB⁺20]. **In-lake** [SEK20]. **including**
 [ZN20]. **incorporation** [FSH⁺23, GE22]. **Increase**
 [CCS⁺24, DKW⁺21, GMC⁺25, KLO23, YJS⁺25, ZZCD23]. **Increased**
 [BJK⁺21, CLC⁺22, BGvL⁺25, BAG⁺24, KFHS24, MZR⁺25, MRT⁺24,
 YSHS22, ZMC⁺24]. **increases** [LMS23, VKGW22, ZLL⁺21, ZZT⁺21].
Increasing [ALH⁺21, CT23, FUJE24, 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, RHSK24]. **induced** [DAD⁺21, GMNG⁺24, GTMC25,
 IYW⁺22, LLC⁺23, LLC⁺24, LXC⁺21a, SYMF21, SYT⁺21, SCM22, SBW21,
 SLP⁺24, TNK⁺22, TSX⁺23, WTvD⁺22, YDM⁺25, ZN20, ZSZ⁺21]. **induces**
 [DAP⁺24, PW22]. **inducible** [KSMCL24]. **infaunal** [LNR⁺20]. **Infection**
 [FWT⁺20, DAP⁺24]. **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, BW25, BJS23a,
 CZS⁺22, DLL20, HMM⁺22, HZC⁺24, HNS21, JSPS24, KHK⁺22, KLP23,
 KPNJ23, MGRR⁺21, RMH⁺22, SML21b, ŚWKS⁺25, 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, PLC⁺24]. **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, Ano24c, Ano24d, Ano24e, Ano24f, Ano24g, Ano24h, Ano24i, Ano24j, Ano24k, Ano24l, Ano24m, Ano24w, Ano24n, Ano24x, Ano24o, Ano24y, Ano24p, Ano24z, Ano24q, Ano24-27, Ano24r, Ano24-28, Ano24s, Ano24-29, Ano24t, Ano24-30, Ano24u, Ano24-31, Ano24v, Ano24-32, Ano24-33, Ano24-34, Ano24-35, Ano24-36, Ano24-37, Ano24-38].

Information

[Ano24-39, Ano24-40, Ano24-41, Ano24-42, Ano25a, Ano25b, Ano25c, Ano25d, Ano25g, Ano25e, Ano25h, Ano25f, Ano25i, Ano25j, Ano25k, Ano25l]. **informs** [KSF⁺23]. **Ingestion** [BWSW24, ELS23, BZSF23, TION23]. **inhabiting** [AHCJ⁺20]. **inhibited** [GBMKJ22]. **initiates** [BFE⁺20]. **initiation** [PHM21]. **inland** [BH24, GMI⁺21]. **inlet** [IÁSNCR21]. **Inorganic** [BDL⁺21, ACW⁺22, FAB⁺20, HSD⁺20, KHHZ20, MHP⁺23, MKM⁺23, QRWT⁺22, RSLW23, RBSV⁺24, RVvB⁺23, REvdMO24, RCH⁺20, SBT25, SKA⁺24, TEK⁺21, VWR⁺23, WBAG24, WDL⁺24, ZLU⁺20]. **input** [YML⁺21]. **inputs** [BOC⁺21, CZK⁺23, LPMBR23, TSX⁺23]. **insect** [BWB⁺22]. **Insight** [LLC⁺23, HZZ⁺25, KMZ⁺24]. **Insights** [ACW⁺22, BCWS23, BDE⁺22, GGDB25, HCH⁺24, LLMM⁺23, LVDM22, Lem20, LN21, PYM⁺20, SEG21, WAPC20, ZMS⁺24, APB⁺23, Ano24b,

GMC⁺25, HGA24, KLG⁺23, WOK⁺21, ZZB⁺20]. **Instr**
 [Ano20n, Ano20o, Ano20p, Ano20q, Ano20r, Ano20s, Ano20t, Ano20u,
 Ano20v, Ano20w, Ano20x, Ano20y]. **instrumented** [KTH⁺21]. **integrated**
 [HAB⁺24, TJJ⁺24]. **Integrating** [CSM⁺23, HHK⁺22, PSY⁺22, KSF⁺23].
integrative [ST22]. **intelligence** [ARB⁺22]. **intense**
 [AFH⁺22, CBF⁺23, CMT⁺20, DBB⁺21, FMMD⁺25, LRM21, RGE⁺24].
intensifies [SVC⁺22]. **intensify** [ZXZ⁺23]. **intensity**
 [MTB⁺21, MSSBR24, RGW⁺23]. **inter** [KMV⁺20, vdPMF⁺21].
inter-annual [vdPMF⁺21]. **inter-replacement** [KMV⁺20]. **Interaction**
 [ZLU⁺20, EWF22, GAS⁺21, KBL⁺20, LMSN23, dSMPC24]. **Interactions**
 [BBA⁺23, HMB⁺20, ZFQ⁺20, CHA⁺24b, DFF⁺24, GGS⁺21, MIR⁺22,
 PGB24, SDSGR21, TKH21]. **Interactive**
 [FPB⁺23, MGC⁺20, STB22, AFK⁺22, WWB⁺20]. **interactively** [BRV⁺25].
interactome [CLC⁺20, CLC⁺21]. **interannual**
 [CGRGP⁺21, CP22, DLDF21, FMMD⁺25, JLW⁺23, PFB⁺22, RFW⁺24].
interface [BKMY21, RWMP⁺23]. **interferes** [HXL⁺21]. **Interleaving**
 [HPNU20]. **intermediate** [RS20]. **intermittency** [PSE⁺20]. **intermittent**
 [HGDW24, SPR22]. **Internal**
 [BMS⁺22, FWDY20, GLN⁺20, LHH24, FGO⁺20, GLN⁺21, HMB⁺22,
 MXL⁺21, MMF⁺24, 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, REvdMO24, RS21, SYT⁺21, SMK24, TEK⁺21].
intertidal-flat [SYT⁺21]. **intraguild** [PSNS22]. **Intraspecific**
 [RK24, LLSQ24]. **introduced** [LCS⁺20, WTvd⁺22]. **introgression**
 [PPB⁺21, WNHY21]. **intrusion** [KTH⁺21]. **intrusions** [HPNU20, NH23].
inundation [STO⁺24]. **invader** [LBJS22]. **invasion** [YWZ⁺21]. **invasions**
 [SBH23, WHZ⁺21]. **invasive** [BDMGH⁺23, MWV22]. **inversions** [AAB⁺22].
Invertebrate [PVB⁺24, DBFC24]. **invertebrates**
 [BW24, HANW21, MKBSK19, SRV⁺20]. **inverted** [LSW⁺20a]. **investigate**
 [MMF⁺24]. **Investigating** [FHR⁺21]. **involved**
 [LOW⁺20, PMZ⁺25, ZSZ⁺21]. **iodine** [SOSN23]. **Ireland** [SOO⁺21]. **Iron**
 [CXK⁺25, 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, ZLA⁺24]. **iron-dependent** [MWHR⁺22]. **iron-light-CO**
 [YSHS22]. **iron-limited** [ZLA⁺24]. **iron-supported** [SZY⁺20]. **Irradiance**
 [KKP⁺21, CT23, KNG⁺23, MSD23]. **irradiated** [AFM23]. **irradiation**
 [KRB⁺21]. **Island** [LVHK20, MSGW⁺20, MVBG20, CON⁺24, FMT⁺20].
Islands [MSGW⁺20, SBV⁺21, SWS⁺22]. **isolation** [BRB⁺22]. **isoscapes**
 [YAH⁺21]. **Isotope**
 [MGG⁺24, CYT⁺24, CDH⁺21, DMS⁺21, HRK⁺22, KMZ⁺24, KLG⁺23,
 LHGJ21, ORRMD⁺21, SRM23, SWV⁺24, 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, YIS⁺²⁴, ZSD⁺²⁰, ZMS⁺²⁴]. **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, Ano24c, Ano24d, Ano24e, Ano24f, Ano24g, Ano24h, Ano24i, Ano24j, Ano24k, Ano24l, Ano24m, Ano24w, Ano24n, Ano24x, Ano24o, Ano24y, Ano24p, Ano24z, Ano24q, Ano24-27, Ano24r, Ano24-28, Ano24s, Ano24-29, Ano24t, Ano24-30, Ano24u, Ano24-31, Ano24v, Ano24-32, Ano24-33, Ano24-34, Ano24-35, Ano24-36, Ano24-37, Ano24-38]. **Issue** [Ano24-39, Ano24-40, Ano24-41, Ano24-42, Ano25a, Ano25b, Ano25c, Ano25d, Ano25g, Ano25e, Ano25h, Ano25f, Ano25i, Ano25j, Ano25k, Ano25l]. **Issues** [BR22].

Japan [LDB⁺²⁰, LDB⁺²¹, NSK⁺²¹]. **japonicus** [LDB⁺²¹]. **jelly** [CDH⁺²¹]. **jellyfish** [HGF⁺²¹, MMKWZ22, MBC⁺²¹, OFM⁺²¹, SLP⁺²⁴, TKH21].

joint [WSC⁺25]. **journey** [MMF⁺24]. **jumps** [MAR⁺24]. **juvenile** [CSNS24, FBJ⁺23, LDG⁺21, MMF⁺24, SBP⁺25].

kairomone [HXL⁺21]. **Kaiser** [Ano21b]. **karst** [BPL22]. **keep** [ETG21]. **keeping** [FGO⁺20]. **Kelp** [vEMF⁺20, BRHS20, BS20, NB23, SPKM22, SBB⁺21, SMKS22, TCP⁺22, WLS21]. **Kenya** [MGI⁺22]. **Kerguelen** [DAB⁺21, IJSC20]. **kerguelensis** [MGC⁺20]. **Kermadec** [SML⁺21a]. **key** [BTT23, BBL⁺21, DCAB24, HJB⁺25, LHS⁺21, RRH⁺24, SBJ⁺24, VST⁺22, ZLJ⁺24, ZSW⁺24, ZSF⁺23]. **Keys** [OLFH21]. **killer** [CCC⁺21]. **Kinetics** [FSS⁺23, ELS23, GF21, MSB⁺22, TFI⁺24]. **km** [TKW⁺23]. **known** [LSS⁺24]. **Kongsfjorden** [vdPMF⁺21]. **Krill** [NCC⁺21, CSNS24, YAH⁺21]. **Kuroshio** [LHS⁺20, ZSZ⁺24].

lab [BDE⁺22, SHZ⁺21]. **labeled** [FDB24]. **labile** [BKC20, HP20, MFGF⁺22, NKH⁺23, WCC20]. **lability** [BMG⁺23, KMZ⁺24, PSNG⁺21]. **Lack** [KMM⁺22, BWB⁺22]. **lacustrine** [SWV⁺24]. **lagoon** [BJS⁺23b, BSC⁺24, CCDM21, HHMH22, KX22, MBC⁺21, RWS⁺22, SMK24, ZWM22]. **lagoonal** [YMSH20]. **lagoons** [BMR⁺21b]. **Lagrangian** [BGAD⁺22, FHR⁺21, RPA⁺22]. **lake** [ACA⁺22, ASH⁺20, AHF⁺22, Aus24, BVL⁺23, BAG⁺24, BTK⁺21, BGG⁺20, BGM⁺22, BMLV24, BDC⁺24, 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, FDB24, FBV23, FPB⁺23, FÖJ⁺24, GGHS⁺20, GWS⁺21, GB21, GB23, GZZ25, GKW⁺20, GKW⁺21, HZC⁺24, HNS21, HSB⁺20, HMB⁺22, HHK⁺22, HP20, HZZ⁺20, JOC⁺20, JSPS24, KKA22, KPM⁺20, KMK⁺24, KRC23, KTP25, KPG⁺23, KZK⁺25, KHSP21, LVDM22, LDS⁺20, LZM⁺21, LLBC20, MBA⁺21, MAG⁺22, MOW⁺22, MWHR⁺22, MGG⁺24, MNMJ⁺21, OCCW24, OYM⁺20, PBC21, PCJ⁺21, PATL⁺23, Phi20, Phi21, PRL⁺25, 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, SWV⁺24, SZY⁺20, SDS⁺23, SGS22, TRC⁺25, TKM⁺22, TKS⁺20]. **lake** [TMM⁺20, VMT⁺20, VWR⁺23, WCZ⁺20, XTL⁺20, YPH⁺24, YWLY20, YJB⁺20, YIS⁺24, vGDH⁺21, AJMG21, CYZZ⁺20, CWF⁺22, CTP21, DSY20, GZX⁺22, HMOY25, LEK⁺22, Lem20, LDB⁺20, LDB⁺21, MWV22, MDP⁺23, MSB⁺20, NB20, ONH⁺20, PCC⁺24, 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, Ano24a, BSIIdG23, BW25, 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, GTNH25, HZZ⁺25, 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, HAB⁺24, 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, dGKB24]. **Large** [XWL⁺21, ACW⁺22, BCY⁺24, BCL⁺22, BGAD⁺22, CCY⁺21, CMCC24, CHS⁺20, CTH⁺20, DHNH22, DMC⁺22, EST⁺24, EPR⁺24, FWDY20, FBV23, GEHD20, GZZ25, HZC⁺24, HLPT20, HMB⁺22, HMOY25, IÁSNCR21, JOC⁺20, KRC23, KZK⁺25, LM24, LAFV23, LHL⁺21, MGL22, MVP⁺20, MLS⁺21, MOW⁺22, PGB24, PRL⁺25, RHP⁺23, SH22, SO23, SGM⁺21, SDSGR21, TION23, TFI⁺24, TBH⁺22, VMT⁺20, WCZ⁺20, WYY⁺24, 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, LTF⁺24, OLR⁺23]. **Larval** [GLN⁺21, APB⁺23, Ano24b, GLN⁺20, MMF⁺24, 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, LTF⁺24, 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** [HMOY25, PLLM21, SBW21]. **lead** [RRH⁺24, YDM⁺25]. **leads** [BMH⁺23].

leaf [FPG⁺24, FRRG⁺21, ZN20]. **leaf-litter** [FRRG⁺21]. **learning** [GCS⁺24, MT23, OAM⁺22, RWMP⁺23, SCC⁺21]. **leaved** [DCAB24, VJS⁺20]. **leidy** [CCG⁺22]. **Length** [SGM⁺22, RHSK24]. **less** [MN20]. **Lessons** [dGKB24]. **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, YJS⁺25, YZX⁺24].

Leveraging [HMBB21]. **Liaoh**e [PYY⁺20]. **lidar** [CZS⁺22]. **Life** [BST⁺22, DFW⁺20, GB25, HXL⁺21, LZG21, OFM⁺21, ZLJ⁺24]. **ligand** [KLP23, WXK⁺22]. **Light** [DPB⁺23, GEHD20, HPCH24, MCH⁺22, PCC⁺23, SSB⁺22, AVJ⁺24, BGvL⁺25, BW25, BS20, CFC⁺20, CBT⁺21, CGB⁺21, DMM⁺21, FNB⁺23, GR24, GK22, HZS21, HPP⁺21, HS21, JWA^vD⁺22, KKP⁺21, KSR20, KLP23, KIB⁺24, MZ25, MTB⁺21, MGC⁺20, MLG⁺20, Phi20, Phi21, QBJG21, RGW⁺23, ŚWKS⁺25, SMKS22, TKA21, TPTS23, WWFS21, WRHR22, YSHS22, YSHS23, ZYW⁺24, ZXZ⁺23]. **Light-driven** [MCH⁺22]. **light-stress** [BGvL⁺25]. **Light-use** [HPCH24]. **limitation** [AFH⁺21, APB⁺23, AWGV20, Ano24b, 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. **limitations** [CXK⁺²⁵, CMY⁺²⁵]. **Limited** [BAD⁺²¹, CLM25, TMS⁺²¹, TCP⁺²², ASH⁺²⁰, EJM⁺²³, GVF⁺²³, OGRS⁺²⁵, SOWP24, WBAG24, ZLA⁺²⁴]. **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, SKY⁺²⁴]. **litter-associated** [BRB⁺²⁰]. **littoral** [VMT⁺²⁰, VKK⁺²¹]. **Live** [BFW⁺²²]. **livestock** [GBMKJ22]. **living** [WPY⁺²⁰]. **Ino.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, GFT⁺²⁴, KPNJ23, SLJ⁺²², OYM⁺²⁰, SMG⁺²²]. **Local-scale** [KPNJ23]. **location** [PHM21]. **locomotion** [JYA21]. **Long** [BBMD20, BMH⁺²³, CB21a, CHA^{+24b}, 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^{+24b}, 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** [FÖJ⁺²⁴, GM22]. **loss** [BH21, CM21, GMS21, SSS⁺²⁰, YPH⁺²⁴, ZQB⁺²¹]. **Low** [BBL⁺²¹, PBP⁺²³, TJH⁺²⁵, 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-frequency** [TJH⁺²⁵]. **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]. **maar** [YPH⁺²⁴]. **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}, CCF21, RMH⁺²², TPTS23, WBB⁺²¹]. **macrobenthic**

[SYT⁺21]. **Macrocyctis** [SBB⁺21]. **Macrofauna** [NvBE⁺21, HLPT20, ZGdS⁺24]. **macrofaunal** [DvOH⁺20, GdJA⁺25]. **macroinvertebrate** [LLC21, LHL⁺21, MHdS⁺21]. **macroinvertebrates** [VKK⁺21, VST⁺22]. **macromolecular** [EHC⁺22, RRAO⁺21, ZLS⁺21]. **macronutrients** [HKM⁺20, MHP⁺23]. **macrophyte** [GGHS⁺20, LRNG24, MCH⁺21, OGD20, SLHL⁺22, WCZ⁺20]. **macrophyte-** [WCZ⁺20]. **macrophytes** [DCAB24, GTNH25, HZZ⁺25, HGMK22, HZZ⁺20]. **macrotidal** [YXC⁺22]. **made** [TRC⁺25]. **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, PVH24, SBT25, WTS⁺25, YXC⁺22]. **Malawi** [NB20]. **man** [TRC⁺25]. **man-made** [TRC⁺25]. **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, CAN⁺24, 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]. **manipulative** [BW25]. **mapping** [PSY⁺22]. **Mara** [MGI⁺22]. **marginal** [CCS⁺24, 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, CYT⁺24, CBT⁺21, CHA⁺24b, DCJB22, DBB⁺21, DWW⁺21, DCK⁺22, EHC⁺22, EJRRRC⁺23, EWF22, GELME⁺24, GBW24, GM22, GFW⁺20, GAS⁺23, HAC⁺24, HLKD23, HH24, HVMS⁺21, HAB⁺24, JHSG⁺24, JHS⁺21, JLMW21, KOR⁺20, LFBS24, LCMG⁺20, LG21, LD22, LCM⁺22, LSL⁺20, LN21, LMSN23, MLK⁺22, MNM⁺21, MUGL20, MLP21b, MZW⁺21, MK20, OBL21, OGD20, PLC⁺24, PPB⁺21, PDK⁺23, PVB⁺24, RBR⁺24, SJR21, SB22, SBT25, SEG21, SGK⁺21, ST22, SSK24, TCS21, VKB⁺22, WWGP21, YAP⁺22, YSHS22, ZR23, ZZHZ23, ZLL⁺24, ZMC⁺24, ZLL⁺21, ZLA⁺24, ZFQ⁺20]. **Marked** [IJSC20]. **marker** [BDC⁺24, 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, YDM⁺25, YJS⁺25, ZLN21]. **marsh-influenced** [LSC⁺21]. **marshes** [GBMKJ22, LGF22, MKM⁺23, PGW25, QMG21, STO⁺24, TEK⁺21, YLT⁺20]. **masks** [BYS⁺23, LDB⁺20]. **mass** [BAG⁺24, CON⁺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, Ano24m, Ano24n, Ano24o, Ano24p, Ano24q, Ano24r, Ano24s, Ano24t, Ano24u, Ano24v, Ano25d, Ano25e, Ano25f]. **mat** [MVBG20]. **matching** [LEB21]. **material** [HPF+23]. **matrix** [GRJ20]. **mats** [MVBG20]. **matter** [AVJ+24, ABS+21, AKT+21, AMC21, BCY+24, 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, DAP+24, DLC+22, FAB+20, FXD+22, GMI+21, GAS+23, HGDW24, HOB+22, HHK+22, HCS+21, JSB+20, KMZ+24, 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, MSSBR24, PBC21, PSNG+21, PGW25, 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** [CZA24, FGP22, TPTS23]. **maturation** [RVBP23]. **Maud** [DLDF21]. **maxima** [SWOR20]. **maximum** [SMNT22, SPLJA+20]. **may** [CCS+24, HVMS+21, MHD+22, OJUN23, SSEO21, YDM+25, dJSS24]. **Meadow** [THVJ23, CB21b, SVMM+22, VLP+21, dSMPC24]. **meadows** [AHCFF22, CCF21, JREVB21, MZ25, 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, SBCF24, SSM+22a, SEG21]. **mechanical** [XSZ+21]. **mechanics** [CCG+22, CUS21, SMF20]. **Mechanism** [MAR+24, GLN+20, YXC+22]. **Mechanisms** [BWB+22, PLLM21, STAK22, BPL22, SBT25, WDS+23]. **Mechanistic** [ALG+23]. **mechanoreceptional** [SYMF21]. **mediate** [LWS+22]. **mediated** [CB25, 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]. **megafaunal** [GCP+25]. **Meiler** [ZR23]. **meiobenthic** [LBG+22, RLP+20]. **meiofauna** [MHG+23, PCN22]. **melt** [KPG+23, VMP+21, YRC+24]. **melting** [LCS+24]. **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, Ano24w, Ano24x, Ano24y, Ano24z, Ano24-27, Ano24-28, Ano24-29, Ano24-30, Ano24-31, Ano24-32, Ano25g, Ano25h, Ano25i].

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, BMR⁺²⁵, CLT⁺²², CB25, 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, MZR⁺²⁵, PHM21].

meta-analysis [MZR⁺²⁵]. **meta-barcoding** [CSM⁺²³]. **meta-ecosystem** [PHM21]. **meta-ecosystems** [BR22]. **Metabolic** [Ano21a, DMC⁺²², GSG⁺¹⁷, BMR^{+21a}, CYPRG⁺²³, FUJE24, MSG⁺²², MGGRR⁺²¹, OSK⁺²⁴, ZCQ⁺²⁴]. **Metabolism** [RRHS⁺²¹, BBMD20, BYS⁺²³, BCL⁺²², BHA⁺²², CB21b, CZK⁺²³, EDC24, EJRR⁺²³, HHK⁺²², KVKS22, LAD⁺²², LRdGFP23, MA21, MGWS23, MRT⁺²⁴, PHB⁺²², Phi20, Phi21, RVS⁺²², SBB20, TCP⁺²², WCC20].

metabolisms [CAN⁺²⁴]. **Metabolite** [JLS⁺²⁰, JSL⁺²³, YZX⁺²⁴].

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, HMOY25]. **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, CMdIPÁS⁺²⁴, DHNH22, GMI⁺²¹, GPK⁺²¹, GKW⁺²⁰, GKW⁺²¹, HGMMK22, HNS21, KTP25, KWS⁺²¹, LHD⁺²⁰, LPA⁺²³, MWHR⁺²², PSK21, RHA⁺²³, RWT⁺²¹, RSH⁺²⁰, SPBK21, STB⁺²⁴, 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]. **methyating** [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,

BCY⁺²⁴, BGG⁺²⁰, BWV⁺²⁰, BMLV24, BZK⁺²², CYPRG⁺²³, CLC⁺²²,
 CGL⁺²¹, CAN⁺²⁴, CB25, DBB⁺²¹, DCF⁺²², FAB⁺²⁰, FPG⁺²⁴, FLW⁺²¹,
 GM22, GMMW20, GPK⁺²¹, HBY⁺²², HZZ⁺²⁵, HMB⁺²⁰, HLS⁺²², IMB⁺²²,
 KHSP21, LD22, LZD⁺²³, MVBG20, MCYR20, OSK⁺²⁴, 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, GMD⁺²⁴, 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, SSC⁺²⁵, ZCQ⁺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, RHSK24, CHA^{+24a}, LCZ⁺²¹, LNC⁺²³]. **Mid**
 [KCT23, RHM⁺²¹, ZMS⁺²⁴]. **Mid-Atlantic** [ZMS⁺²⁴]. **mid-latitudes**
 [RHM⁺²¹]. **Mid-summer** [KCT23]. **midlatitude** [BAHH⁺²⁰]. **midwater**
 [VSB⁺²³]. **Midwest** [BJG⁺²²]. **Migrating** [OSK⁺²⁴, PJRV23]. **migration**
 [BJS23a, BBM21, GNO22, PRL⁺²⁵, 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, PGW25]. **minima** [SCT⁺²¹]. **minimum**
 [CCK⁺²¹, GBSVJR⁺²⁴, 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]. **mitigating** [PCC⁺²⁴]. **mixed** [SBW21, SSB⁺²²].
Mixing
 [CM20b, EPR⁺²⁴, YWLY20, AVS⁺²², GK22, HMOY25, HPP⁺²¹, IFU⁺²⁰,
 LLC⁺²³, LXC^{+21a}, NH22, PFH21, PW22, SSN⁺²⁴, WSC⁺²⁵, ZSF⁺²³].
Mixing-driven [EPR⁺²⁴]. **mixoplankton** [GM22]. **Mixotrophic**
 [GDB20, AH20, ELS23, KIB⁺²⁴, LES⁺²¹]. **mixotrophs** [FDB24].
Mixotrophy [TCS21, BH21]. **mixtures** [FDHS20]. **Mn**
 [BYB⁺²³, CLD⁺²³, dCLO⁺²³]. **Mn-oxidizing** [CLD⁺²³]. **Mnemiopsis**
 [CCG⁺²²]. **mobility** [ZGdS⁺²⁴]. **Model** [OLR⁺²³, BST⁺²², CYPRG⁺²³,
 DFJ22, DK20, GMNG⁺²⁴, GCS⁺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, Ano24b, BSF⁺²¹, BR22, BHN⁺²⁴, Bri24,

KBSA21, MAG⁺²², PS24, PVH24, PHB⁺²², WRMP22]. **models** [KSF⁺²³, LCMG⁺²⁰, MBD⁺²³, RPA⁺²², WMTJW22]. **Moderate** [CHA^{+24a}, MHD⁺²²]. **modern** [SLHL⁺²², vHLV⁺²⁰]. **modification** [GÖA⁺²³, NTJ⁺²⁰, TCP⁺²²]. **modified** [KFHS24, RCMA21, YDM⁺²⁵]. **modifies** [MZ25]. **modify** [FÖJ⁺²⁴, MK21]. **modular** [MMLPRHCG22]. **modulate** [CXK⁺²⁵, SMF20, WWFS21, ZBNH⁺²¹]. **modulated** [GR24]. **modulates** [ABC⁺²¹, KSMCL24, 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]. **mooring** [MMF⁺²⁴]. **Morocco** [NEB⁺²²]. **morphological** [BEM⁺²⁵, 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, GGDB25, JSPS24, MHVC22, OCCW24, PFB⁺²², WK21]. **Mountains** [VMT⁺²⁴]. **mouths** [EST⁺²⁴]. **movement** [TJH⁺²⁵]. **Moving** [FDF⁺²¹]. **Mu** [CLGH23]. **mucus** [BH21, ZCQ⁺²⁴]. **Mud** [MEQB20]. **Mud-associated** [MEQB20]. **muddy** [CGD22, MHG⁺²³]. **Multi** [FR23, YZX⁺²⁴, ZSZ⁺²¹, GCEM⁺²³, vHLV⁺²⁰]. **multi-millennial** [vHLV⁺²⁰]. **Multi-omics** [YZX⁺²⁴, 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** [DFE⁺²⁴, KBvdD⁺²⁰, CBPNA22, CESS21, GBW24, GCP⁺²⁵, 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 [SSN⁺²⁴, WYY⁺²⁴, ZLW^{+21a}, AAC⁺²¹, AFH⁺²², BSGA21, DRA⁺²³, HBS⁺²², HZC⁺²⁴, HMB⁺²², LLL⁺²³, LTLH22, MLL⁺²¹, SCC⁺²¹, SOWP24, SWS⁺²², SWV⁺²⁴, 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, HAC⁺²⁴, HBR⁺²², LMSN23, NDP⁺²⁴, NCO⁺²⁴, RBL⁺²⁰, SdBW⁺²³, vHLV⁺²⁰]. **naturally** [MNMJ⁺²¹, SSB⁺²²]. **Nature** [LSW^{+20a}, STO⁺²⁴]. **Nature-based** [STO⁺²⁴]. **Near** [FLA25, PMD⁺²³, RBAC⁺²⁰, CON⁺²⁴, KPS21, NCC⁺²¹, SBV⁺²¹]. **Near-bed** [PMD⁺²³]. **Near-field** [FLA25]. **nearly** [YG23]. **nearshore** [MOW⁺²², MK21, SO23, SOT⁺²⁰]. **need** [SBP⁺²⁵]. **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, FMMD⁺²⁵, LSDA21, ZLL⁺²¹]. **network** [AFH⁺²², Bri24, 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]. **newly** [STO⁺²⁴]. **Ni** [LTLH22, hTRH20]. **Niche** [TKA21, BO20, BHN⁺²⁴, CYPRG⁺²³, CHA^{+24b}, CUS21, CGB⁺²¹, EJM⁺²³, HCH⁺²⁴, KKP⁺²¹, LTJ⁺²⁰, MCYR20, SSS⁺²⁴]. **niches** [DCAB24, Gil22, RFB⁺²², ŚWKS⁺²⁵, SHZ⁺²¹]. **nifH** [MBD⁺²²]. **night** [KGG⁺²³, MLG⁺²⁰, vdPAV⁺²⁰]. **Niño** [WRS⁺²²]. **nitracline** [LFBS24].

Nitrate [AWGV20, LXC^{+21a}, vGDH⁺²¹, BVM⁺²⁰, CEW⁺²¹, CYT⁺²⁴, CDW⁺²⁴, LTH21, RWS⁺²², SZA⁺²¹, WRS⁺²², WAPC20, XLN21, ZZJ⁺²⁵, ZMS⁺²⁴]. **Nitrification** [LMC⁺²¹, HRK⁺²², HGF⁺²¹, PCC⁺²³, SWB⁺²⁰]. **nitrifier** [ZMS⁺²⁴]. **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, CXK⁺²⁵, CBF⁺²³, CDW⁺²⁴, CLM25, 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, PCC⁺²⁴, PMZ⁺²⁵, RGP⁺²², REvdMO24, RS21, Roy20, STB22, SMW⁺²¹, SWZ⁺²³, SHE⁺²¹, SML21b, SLZ^{+21a}, SSR⁺²³, SWV⁺²⁴, TFI⁺²⁴, THVJ23, VWR⁺²³, WWFS21, WRS⁺²², WDS⁺²³, WKRL⁺²³, YG23, YAE⁺²⁴, ZQB⁺²¹, ZBNH⁺²¹, ZFQ⁺²⁰, ZMS⁺²⁴, ZXZ⁺²³].

nitrogen-enrichment [HHMH22]. **nitrogen-fixing** [CXK⁺²⁵, FBP20, YG23, ZFQ⁺²⁰]. **nitrogenase** [LTLH22]. **Nitrous** [TTC⁺²², AHCF22, BBWB24, CMdlPÁS⁺²⁴, 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]. **noise** [TJH⁺²⁵]. **Non** [FBP20, HMB⁺²², ZXZ⁺²³]. **non-algal** [ZXZ⁺²³]. **Non-cyanobacterial** [FBP20]. **non-N-fixing** [HMB⁺²²]. **nonindigenous** [TCB25]. **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, CHA⁺24a, CKH⁺21, CJB⁺21, DNB⁺20, DWS⁺22, DNA⁺22, ETG21, FDF⁺21, FIH⁺20, GFW⁺20, HBG⁺22, HYPG⁺22, JSE⁺25, KBvdD⁺20, LTJ⁺20, LNC⁺23, MWV22, MMG⁺21, NvBE⁺21, PDK⁺23, RPKC22, RGE⁺24, SBW⁺20, SSM⁺22a, SAD⁺20, TFI⁺24, TKA21, WF22, WRS⁺22, YWZZ20, YWZ⁺21, YAE⁺23, YAE⁺24, ZBNH⁺21]. **North-Atlantic** [BMR⁺21a]. **north-temperate** [MLC⁺21]. **Northeast** [GdJA⁺25, PYY⁺20, GCP⁺25, KMV⁺20, SWC⁺23, ZZB⁺20, MMF⁺21, SPKM22, SSM21b, ZZJ⁺25]. **Northern** [MURK20, Ano24a, 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, Ano24b, 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, PLC⁺24, 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, FÖJ⁺24, GGS⁺21, HAC⁺24, HSBC20, HCS⁺21, JOC⁺20, JLW⁺23, JHvL⁺23, KRB⁺21, KHK⁺22, KIB⁺24, KRBF25, LLC⁺23, LBG⁺22, LZM⁺21, LLGP24, LSCL21, MAP⁺22, MSJ21, MRT⁺24, OBL21, OGRS⁺25, PBC21, PCC⁺24, PHM21, RLL⁺21, RBL⁺20, RBSB22, SDL22, TBH⁺22, VST⁺22, WHAR⁺20, WTS⁺25, XMP⁺21, YvdHC⁺20]. **nutrient-limited** [OGRS⁺25]. **Nutrients** [MGRR⁺21, AFK⁺22, FAB⁺20, KFHS24, LNC⁺23, PS24]. **Nutritional** [JLR⁺22, VKK⁺21]. **NW** [GGB⁺21].

O [AFH⁺22, DRA⁺23, EBW⁺20, MGG⁺24, TZF⁺22, WYY⁺24, WMRL22]. **O'ahu** [CON⁺24]. **obliquus** [ZSZ⁺21]. **Observation** [CLA⁺24]. **Observations** [KTH⁺21, ZYZ⁺21, APB⁺23, Ano24b, CSGI⁺24, CSM⁺23, FIH⁺20, MBD⁺23, WDG⁺21, WGK⁺24b]. **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** [ARPF23, RLP⁺20, SSEO21, YAP⁺22, ARB⁺22, BH24, BFW⁺22, CSD⁺24, CSM⁺23, DKPS23, GM22, GLAHH⁺23, HDS⁺20, HAB⁺24, 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, YEF⁺24, YXC⁺22, YZX⁺24, ZLU⁺20, dCLO⁺23, dJSS24, ADLW22, BSGA21, BDL⁺21, BRCO21, BDE⁺22, BLRM24, BBA⁺23, CGL⁺21, CKH⁺21, CLD⁺23, CBC⁺22, DFW⁺20, EBK⁺20, ETMD23, GdJA⁺25, HCB⁺22, IKN⁺21, IJSC20,

JSE⁺²⁵, 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, ZYW⁺²⁴]. **ocean-** [DKPS23]. **Oceanic** [CCG⁺²², FIM⁺²², OMM21, CCK⁺²¹, CDH⁺²¹, CBD⁺²³, DLL20, EHC⁺²², KTH⁺²¹, KP20, MCH⁺²¹, SSN⁺²⁴, WKRL⁺²³, ZZHZ23]. **oceanica** [AAC⁺²¹, CB21b]. **Oceanogr** [Ano21b]. **Oceanographic** [MT23, CZS⁺²², FJP⁺²¹, GSD⁺²³, STB⁺²⁴, SSA⁺²³, TKA21]. **Oceanography** [Ano21a, Kir20]. **oceans** [SSB⁺²², WSLC22, YEF⁺²⁴, 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, KMK⁺²⁴, LLL⁺²³, LXC^{+21a}, MHD⁺²², MOW⁺²², RBSV⁺²⁴, RCS⁺²⁰, SGGB21, SBL⁺²¹, SDB⁺²³, SRL⁺²⁰, SGM⁺²¹, TWM⁺²⁵, WSLC22]. **oligotrophication** [MHSL22, SDS⁺²³]. **omics** [YZX⁺²⁴, ZSZ⁺²¹]. **Omnivorous** [CSNS24, KGG⁺²³, NDP⁺²⁴]. **omnivory** [BOC⁺²¹]. **Oncorhynchus** [ASH⁺²⁰]. **one** [ZZCD23]. **only** [PCC⁺²⁴]. **onset** [Aus24, ZZL⁺²¹]. **Ontogenetic** [SBP⁺²⁵]. **Ontogenic** [PWS⁺²⁰]. **open** [HJWP24, PKV20, SPKM22, YEF⁺²⁴]. **open-coast** [SPKM22]. **Opening** [SO23]. **operationally** [LHMR23]. **opportunities** [BR22, MBD⁺²³]. **opportunity** [OJUN23]. **Optical** [ADLW22, BHG⁺²⁴, BH24, EJRC⁺²³, LSW^{+20a}]. **optically** [BGG⁺²⁰]. **optimization** [TVB⁺²¹]. **Optimizing** [FGP22]. **Oregon** [EFG⁺²⁴]. **Organic** [BAG⁺²⁴, CB25, HSLB25, HLS⁺²², KHCG⁺²², PUH⁺²³, PGN⁺²¹, VWR⁺²³, AVJ⁺²⁴, ABS⁺²¹, AKT⁺²¹, AMC21, BCY⁺²⁴, BMR^{+21a}, BCWS23, BMCS23, BSF⁺²¹, BPIBN20, BBH⁺²⁰, BAD⁺²¹, BJK⁺²¹, BGG⁺²⁰, BYS⁺²³, BDL⁺²¹, BJK⁺²², BZK⁺²², BGM⁺²¹, CPB⁺²¹, CTP21, CGC⁺²¹, CLC⁺²², CLM25, CM21, CCDM21, DVL⁺²³, DAP⁺²⁴, DdEM⁺²³, DLC⁺²², EJRR⁺²³, FAB⁺²⁰, FUUG⁺²¹, FXD⁺²², GDB20, GGDB25, GMI⁺²¹, GAS⁺²³, HGDW24, HCB⁺²², HZM⁺²¹, HOB⁺²², HHK⁺²², HCS⁺²¹, HP20, JSB⁺²⁰, KMZ⁺²⁴, 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, MZR⁺²⁵, MGL22, MEQBV20, MRH⁺²³, MRD⁺²¹, MSSBR24, MNMJ⁺²¹, PBC21, PSNG⁺²¹, PGW25, PWS⁺²⁰, PC21, PNT⁺²¹, RvHF⁺²⁰, RLP⁺²⁰, RCMA21, REvdMO24, RBR⁺²³, SVM⁺²², SSS⁺²⁴, SB20, SB22, SZA⁺²¹, SOT⁺²⁰, SEK20, SSWM20]. **organic** [SCB⁺²⁰, SGS22, SGSD⁺²², TSX⁺²³, VST⁺²², WBAG24, WCC20, WOK⁺²¹, WXK⁺²², YGD⁺²¹, ZCZ⁺²³, ZJW⁺²², ZLW^{+21a}, ZZT⁺²¹, ZYZ⁺²¹, ZZB⁺²⁰, dMKB⁺²⁰]. **organisms** [FGO⁺²⁰]. **organization**

[KPNJ23]. **organized** [FSdS+24]. **origin** [MRD+21]. **original** [LHH24]. **origins** [FSdS+24, KMZ+24, LNR+20]. **Orkney** [MSGW+20]. **orthophosphate** [RHS+22]. **oscillating** [JYA21]. **Oscillation** [LDB+21]. **oscillations** [KRBF25, SGS22]. **oscillatory** [MDBI20]. **ostracod** [ZYW+24]. **other** [GFW+20, LES+21, WWFS21]. **Otolith** [DAB+21]. **our** [MVBG20]. **outcomes** [HH24]. **outcompete** [RHS+22]. **Outwelling** [KDZ+24]. **Overestimation** [GE22]. **overgrowth** [RMH+22]. **overland** [BS25]. **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** [AHCJ22, CMdIPÁS+24, 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, BW25, BYB+23, CCK+21, CGGC+21, CKCB+23, CBD+23, DPB+23, DNA+22, EBK+20, FUJE24, FIH+20, GB23, GBSVJR+24, 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, WSC+25, YWLY20, YIS+24]. **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, SSN+24]. **Pacific** [ADLW22, CKH+21, ETMD23, HYPG+22, JSE+25, 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, GCP+25, 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]. **paleo** [SWV+24]. **paleo-proxy** [SWV+24]. **paleoceanographic** [RWL+24]. **paleoclimate** [THT+20]. **paleolimnological** [BLS+22, GTMC25]. **Palmer** [NCC+21]. **Pan** [PVH24]. **Pan-Arctic** [PVH24]. **Panulirus** [BFCC+21]. **paradigm** [GM22]. **Paradox** [GVF+23, BVL+23]. **Parameter** [SBCF24]. **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, FLA25, GEHD20, JSW⁺21, KSR20, KBvdD⁺20, LBL⁺24, RGE⁺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, YEF⁺24]. **particular** [GMI⁺21]. **Particulate** [JSL⁺23, CLD⁺23, DAP⁺24, FUUG⁺21, HCB⁺22, HCS⁺21, KMZ⁺24, RMW⁺21, SOSN23, SOT⁺20, ZCZ⁺23, ZBNH⁺21]. **Partitioning** [BHA⁺22, HLKD23, HCH⁺24, MGG⁺24, SSS⁺24, SCB⁺20, TKA21, YEF⁺24]. **passing** [KX22]. **past** [MFM⁺21, SSL22, SLHL⁺22]. **patchiness** [dSMPC24]. **pathway** [KP20, SWZ⁺23, WDL⁺24]. **pathways** [BSIdG23, BMGK22, MMG⁺21, ZSZ⁺21, vEMF⁺20]. **pattern** [ZZO⁺21].

Patterns [BMB22, BMR⁺25, KRC23, WPY⁺20, BJS23a, BMR⁺21b, BMLV24, BFE⁺20, BRB⁺22, CGB⁺21, FSdS⁺24, GCW⁺23, GBC⁺20, HGDW24, HEH⁺20, HCS⁺21, HABL⁺21, JREVB21, LABM20, LSS⁺24, MHdS⁺21, MZW⁺21, MGGRR⁺21, NGSS23, PATL⁺23, PLB⁺21, QMG21, RRH⁺24, Roy20, RBSB22, SVBT20, SPBK21, TJH⁺25, 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, BEM⁺25, ChHC⁺24, CJB⁺21, CHA⁺24b, FWT⁺20, HCH⁺24, HGF⁺21, KPL⁺20, KLG⁺23, MBLA⁺21, MLT⁺21, NvBE⁺21, PVSP⁺22, VCT⁺23, VKK⁺21, VGSB23, VKGW22, WKCR25]. **pellet** [DGD⁺24, SSM21b]. **pellets** [DMS⁺21, MLS⁺21]. **penguin** [CFC⁺20, NCC⁺21]. **Peninsula** [BBL⁺21, CFC⁺20, CMT⁺20, JWA^vD⁺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, KZK⁺25, 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, BDC⁺24, GFT⁺24, GTNH25]. **perspective** [BLS⁺22, FIM⁺22, PS24, WGK24a, ZSZ⁺24]. **perturbations** [TMS⁺21].

Peruvian [THL⁺21]. **petrogenic** [BJK⁺21]. **pH** [BRV⁺25, CTM⁺21, CR25, CYT⁺24, EBW⁺20, GAS⁺21, HTLP23, JvKvT⁺20, JHS⁺21, JLR⁺22, KDV⁺23, MGP⁺21, MK21, MKD22, MNMJ⁺21, PCC⁺23, SBCF24, 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⁺24b, DNB⁺20, GTNH25, HJB⁺25, LAD⁺22, MLP21b, vLWV⁺20]. **phosphate** [MUGL20, SBW⁺20, YIS⁺24].
phosphate-depleted [SBW⁺20]. **Phospholipid** [PKV20]. **phospholipids** [GVF⁺23]. **Phosphonate** [SBW⁺20]. **phosphorite** [PVB⁺24]. **Phosphorus** [DGW⁺21, AWGV20, AJMG21, AVS⁺22, BPIBN20, BRM⁺23, CXK⁺25, CMY⁺25, CLM25, DCK⁺22, FPB⁺23, GVF⁺23, HSBC20, HPB⁺21, KPM⁺20, KTA⁺21, MDP⁺23, PCC⁺24, QFM⁺21, Roy20, RBR⁺23, SGA⁺22, SdBW⁺23, SML21b, WBAG24, YIS⁺24, YJ20, YAE⁺24, ZFQ⁺20, ZXZ⁺23].
phosphorus-only [PCC⁺24]. **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].
Photoperiods [ŚWKS⁺25]. **photophysiology** [ADLW22].
photoprotection [ARPFGS23]. **photoreactive** [KLP23]. **photostable** [KLP23]. **Photosynthesis** [GKW⁺20, GKW⁺21, GF21, RGW⁺23].
Photosynthesis-driven [GKW⁺20, GKW⁺21]. **Photosynthetic** [SGSF20, YRC⁺24, BRHS20, EHC⁺22, FIH⁺20]. **photosynthetically** [PC21]. **phototrophic** [LABM20]. **phycobiliproteins** [WWFS21].
phycocyanin [ŚWKS⁺25]. **phycocyanin-** [ŚWKS⁺25]. **phycoerythrin** [ŚWKS⁺25]. **phycoerythrin-rich** [ŚWKS⁺25]. **phycosphere** [JHSG⁺24].
phyllsomata [BFCC⁺21]. **Physical** [MBB⁺20, BGM⁺22, HMB⁺20, KTH⁺21, KBL⁺20, LZG21, QRWT⁺22, SORGC⁺21]. **physically** [GCS⁺24].
physico [BC20]. **physicochemical** [FWvA⁺21]. **physicochemistry** [BCTH20]. **Physiological** [BHG⁺24, BEM⁺25, CT23, HDS⁺20, Wei24, BTT23, HDK⁺21, KTWGT20, RRH⁺24, WRHR22, dJGCS23]. **physiology** [CR25, FPG⁺24, MGC⁺20]. **phytodetrital** [GdJA⁺25]. **phytodetritus** [LMS23]. **Phytoplankton** [HBG⁺22, LFBS24, PBC21, YAE⁺23, AVJ⁺24, ARPFGS23, AFK⁺22, BGvL⁺25, BMG⁺23, BHG⁺24, BTT23, BMA⁺20, BHSL21, BHN⁺24, BDE⁺22, BK20, BBL⁺21, BAHH⁺20, CHA⁺24a, CAV⁺22, CFC⁺20, CSM⁺23, CBD⁺23, CLP⁺24, DFF⁺24, FBR⁺23, FBRG23, FMMD⁺25, FDHS20, FWT⁺20, FBV23, FPB⁺23, GVF⁺23, GCW⁺23, GMS21, GLARS25, GK22, GZX⁺22, GAS⁺23, HAC⁺24, HLH⁺23, HANW21, HDK⁺21, HDD⁺22, HNS21, HZS21, HH24, HKM⁺20, HPP⁺21, HS21, IJSC20, IYW⁺22, JSE⁺25, JWA^vD⁺22, KRB⁺21, KBL⁺20, LCS⁺24, LHS⁺20, LTW⁺24, LNC⁺23, LBL⁺24, LVZ21, LLBC20, LSDA21, MXL⁺21, MUGL20, MHD⁺22, MAG⁺22, MSJ21, NGSS23, OGRS⁺25, PS24, PKKS20, PCC⁺23, QS21, QBJG21, RRH⁺24, RBR⁺24, RK24, SVC⁺22, SSH⁺22, SJJ⁺21, SGM⁺22, SSM⁺22a, SMD21, SGS22, SSB⁺22, TJL⁺24, TJW⁺22, TATC⁺24, VKB⁺22, VWR⁺23, WCZ⁺20, WCC20, WGK24a, WRA⁺23, YPH⁺24, YML⁺21, ZZHZ23, ZLW21b]. **phytoplankton** [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, CON⁺24, ŚWKS⁺25]. **picoeukaryote** [RPKC22]. **picoeukaryotes** [EHC⁺22]. **picophytoplankton** [FM21, GSP⁺23]. **picoplankton** [BDL⁺21, DWW⁺21]. **pigment** [ARPF23, 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, LLGP24, OAM⁺22, PSNS22, SGL⁺23, SCM22, THS21, YWLY20]. **Planktonic** [IMB⁺22, ALH⁺21, CML23, EPR⁺24, FIM⁺22, FUJE24, Gil22, GSD⁺23, LLMM⁺23, LEB21, MZR⁺25, MMF⁺21, MDP⁺23, Wei24]. **Planktothrix** [SDS⁺23]. **planning** [YAP⁺22]. **Plant** [CZH⁺21, VJS⁺20, KHK⁺22, LCS⁺20, MZ25, 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, RHSK24, WWGP21]. **plate** [JYA21]. **Plateau** [DLC⁺22, DAB⁺21, XTJW21]. **Plum** [LVHK20]. **plume** [CGC⁺21, SLZ⁺21b]. **plumes** [dCLO⁺23]. **point** [CBN21, TRG24]. **points** [CBPNA22]. **polar** [KMM⁺22, KGG⁺23, LMSN23, MLG⁺20, STB22, vdPAV⁺20]. **polarized** [CZS⁺22]. **poleward** [CJB⁺21, PVH24]. **pollen** [LCHB22]. **Pollicipes** [FJP⁺21]. **pollution** [BDC⁺24]. **polygonal** [PLB⁺21]. **polymeric** [YEF⁺24]. **polymictic** [TKS⁺20]. **polyunsaturated** [BRV⁺25]. **Pond** [VJH⁺22, DGTW21, QMG21]. **ponds** [FBP20, FW21, GCEM⁺23, LMM⁺21, PWS⁺20, PLB⁺21, RHA⁺23]. **pool** [CLC⁺22, KPNJ23, PS24]. **pools** [BHS⁺20, CB25, LLTT⁺24]. **poppei** [MSGW⁺20]. **populated** [HPB⁺21]. **Population** [CÖL⁺20, CHA⁺24b, DAB⁺21, FRRG⁺21, HPF⁺23, HJB⁺25, KOR⁺20, LNC⁺23, MVP⁺20, MSGW⁺20, WRMP22, ZLG⁺23]. **populations** [ASH⁺20, DMCW23, MUGL20, RBL⁺20, RK24, 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]. **potency** [ZCQ⁺24]. **Potential** [DCJB22, DWW⁺21, HDK⁺21, HGMK22, XLN21, BSB⁺20, CYPRG⁺23, DAB⁺21, MMLPRHCG22, PWS⁺20, RvHF⁺20, SSEO21, ŚWKS⁺25, 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, KSMCL24, LEB21, LMSN23, MVP⁺20, MWV22, MPW⁺23, TCB25]. **predators** [HCH⁺24, RS20]. **predatory** [DWR⁺23]. **predict** [FMT⁺20, GMI⁺21]. **predictability** [KKA22]. **Predicting** [BCTH20, BMR⁺21b, BHN⁺24, 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, FDB24, HMBB21, KSMCL24, LEB21, LMSN23,
 RTK23, SYMF21, WO21]. **primacy** [HS21]. **primary**
 [BW25, FNB⁺²³, FMMD⁺²⁵, FSH⁺²³, HEH⁺²⁰, JSE⁺²⁵, KTA⁺²¹, KBSA21,
 KPG⁺²³, KVKS22, LD22, LSDA21, OLFH21, RHP⁺²³, SB20, SSM^{+22a}].
Prince [SBV⁺²¹]. **priority** [GGLH⁺²², GMD⁺²⁴]. **pristine**
 [BPG⁺²², DBM⁺²³, EJM⁺²³, YvdHC⁺²⁰]. **process** [ZZL⁺²¹]. **processes**
 [Ano21a, BD22, CM20b, GSG⁺¹⁷, GGDB25, HP20, MZXY22, NH22, OHK⁺²⁴,
 PATL⁺²³, QRWT⁺²², RRH⁺²⁴, SSP⁺²⁰, TJW⁺²², WPY⁺²⁰, YRC⁺²⁴].
processing
 [AVS⁺²², BND⁺²³, DBB⁺²¹, HHK⁺²², LMM⁺²¹, ORE20, REvdMO24].
Prochlorococcus [LGI⁺²⁰, LES⁺²¹, LSCL21, RRAO⁺²¹, SHZ⁺²¹, TKA21].
produce [WPO⁺²²]. **producers** [HEH⁺²⁰, KVKS22]. **producing**
 [LLC⁺²⁴, THT⁺²⁰]. **Production** [CKH⁺²¹, LMS23, TRC⁺²⁵, BGvL⁺²⁵,
 BW25, BMA⁺²⁰, BBH⁺²⁰, BGG⁺²⁰, BD22, BH21, BV21, BBCA⁺²¹,
 BMR⁺²⁵, CWF⁺²², CCFF21, CDA⁺²⁰, DBFC24, FSM⁺²¹, FNB⁺²³,
 FMMD⁺²⁵, FSS⁺²³, FSH⁺²³, FIH⁺²⁰, GE22, GMI⁺²¹, GKW⁺²⁰,
 GKW⁺²¹, HGMK22, HNS21, HBR⁺²², JSE⁺²⁵, KTA⁺²¹, KBSA21, KTP25,
 KSI24, KPG⁺²³, KBvdD⁺²⁰, KTWGT20, LLL⁺²³, LEK⁺²², LLC⁺²⁴,
 LMP⁺²⁰, LDS⁺²⁰, LTLH22, LCS⁺²⁴, 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, ZZJ⁺²⁵].
productive [FBRG23, FUJE24, SGGB21, SSC⁺²⁵]. **productivity**
 [Ano24a, ASH⁺²⁰, CLG⁺²⁴, CGL⁺²¹, FMMD⁺²⁵, GLAHH⁺²³, MCH⁺²¹,
 MGGRR⁺²¹, SBV⁺²¹, TWM⁺²⁵, WLSD21]. **products** [LSW^{+20a}]. **profiles**
 [DWS⁺²², KMZ⁺²⁴, SJH20]. **profiling** [FIH⁺²⁰]. **proglacial** [MKP⁺²³].
progressive [SVBT20]. **projections** [CCA⁺²¹, SBJ⁺²⁴]. **prokaryotes**
 [BMG⁺²³, CKCB⁺²³, DWW⁺²¹, GLAHH⁺²³, GMC⁺²⁵, LBBM21].
prokaryotic [BAD⁺²¹, CYT⁺²⁴, CDA⁺²⁰, DVL⁺²³, GE22, GLARS25,
 SML^{+21a}, SORGC⁺²¹, SSS⁺²⁴]. **Prolific** [ETMD23]. **prolonged**
 [LLC21, ZZHZ23]. **prominent** [YG23]. **promote**
 [CBB⁺²², DFJ22, EFC⁺²³, KRB⁺²¹, TWM⁺²⁵]. **promoted** [ZJW⁺²²].
promotes [LTJ⁺²⁰, ZCQ⁺²⁴, vGDH⁺²¹]. **Promoting** [ZLA⁺²⁴, GGS⁺²¹].
prone [FLH⁺²³]. **pronounced** [MKD22, SMK24]. **Propagules** [FLA25].
properties [BMG⁺²³, BHG⁺²⁴, CBD⁺²³, LD22, MRD⁺²¹, PSK21, SJR21,
 SB20, XSZ⁺²¹]. **Prorocentrum** [LZG21]. **protect** [RD23]. **protection**
 [STO⁺²⁴]. **Protein** [DNA⁺²², MK20, PYY⁺²⁰]. **protein-coupled** [MK20].
protist [MNM⁺²¹, PYM⁺²⁰]. **protistan** [SDSGR21]. **protists**
 [BO20, BEM⁺²⁵, KIB⁺²⁴, SWC⁺²³]. **provide** [BVM⁺²⁰, KMZ⁺²⁴, SSA⁺²³].
provinces [BGAD⁺²², SSH⁺²²]. **proxies** [FSH⁺²³, RWL⁺²⁴]. **proximity**
 [MKP⁺²³]. **proxy** [LPO⁺²⁰, SWV⁺²⁴]. **pseudofecal** [WSB⁺²⁰].

pseudogonyaulax [BH21]. **pseudoharengus** [DFJ22]. **Psychrophilic** [SJR21]. **pueruli** [BFCC+21]. **pulex** [YWZ+21]. **pulsatile** [WSB+20]. **pulse** [GdJA+25, KHHZ20, KTP25]. **Pulsed** [WBB+21]. **Pulses** [NKH+23, BRCO21]. **pump** [CSC+21, DGD+24, DMS+21, DLL20, FWDY20, GBB+21, LG21, PFH21, PVSP+22, PJRV23]. **pumping** [SMK24]. **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, KSMCL24, 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, TJL+24, dGKB24, KTP25, PRL+25]. **Quantitative** [LN21]. **quantity** [ABS+21, BBH+20, DLC+22, KSMCL24]. **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, HAB+24, SOT+20]. **Random** [CSGI+24]. **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, HAC+24, HZM+21, LSL+20, LCZ+21, QBJG21, STO+24]. **rates** [BAG+24, BWSW24, BVM+20, CWF+22, DGTW21, Edm21b, FUJE24, GR24, HMP+21, LLMM+23, LDGB+24, MSG+22, OGRS+25, OLFH21, PKV20, RLP+20, RRAO+21, SBL+21, SSWM20, SMD21, TION23, TFI+24, TBH+22, TDD+24, ZQB+21, ZWM22]. **ratio** [FBK+22]. **ratios** [BV21, DWS+22, HMBB21, KMV+20, MDP+23, MRT+24, SSN+24]. **ray** [IKN+21]. **re** [SDS+23, WZCK20]. **re-examination** [WZCK20]. **re-oligotrophication** [SDS+23]. **reaches** [FLA25, PGB24]. **reaction** [TFI+24]. **reactivity** [CMdIPÁS+24, GMI+21, MGL22]. **reactor** [CBF+23]. **real** [dGKB24]. **reallocating** [MRC+24]. **really** [FPBG+22]. **realm** [FUUG+21, WKRL+23]. **receptor** [MK20]. **receptor-based** [MK20]. **Reciprocal** [FW21]. **recirculating** [BKMY21]. **Reconciling** [MHG+23]. **reconfiguration** [MZ25, ZN20]. **Reconstructing** [KBSA21]. **reconstructions** [THT+20]. **record** [WRS+22, WOMWR20]. **records** [GTMC25]. **recovering** [RFB+22]. **Recovery** [RWS+22, YDM+25, vHLV+20, BPG+22, DFJ22, GRJ20, GPB+20, KDW+23, MAP+22, RVS+22, SHBA22, TLMP24, 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, BDC⁺²⁴, BRM⁺²³, DSY20, LLC⁺²⁴, OFM⁺²¹, QBJG21, SSM^{+22a}]. **reducing** [SJR21]. **reduction** [CEW⁺²¹, DFJ22, KP20, PCC⁺²⁴, RWS⁺²², SSM^{+21a}, THL⁺²¹, dJGCS23]. **reduction-dependent** [KP20]. **reductions** [FBV23, FÖJ⁺²⁴, TBH⁺²²]. **reef** [BCFI⁺²², BBCA⁺²¹, CDW⁺²⁴, CBC⁺²², Edm21b, EDC24, FKN21, GCMJ23, GTKW⁺²⁰, GLB⁺²², GFT⁺²⁴, HPCH24, HLS⁺²², KDW⁺²³, LMS23, LBG⁺²², MCH⁺²², MSG⁺²², MHMML⁺²², MDIY23, SWZ⁺²³, SSCE20, TDD⁺²⁴, ZCQ⁺²⁴]. **reefs** [FPBG⁺²², GCMJ23, OLFH21, RMH⁺²², SPKM22, VVMJ23, dOKC⁺²¹]. **reestablishes** [AMO20]. **Reference** [TMKB⁺²²]. **Refining** [FSH⁺²³]. **reflect** [HGDW24, 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** [BW25, BHA⁺²², CGGC⁺²¹, CGL⁺²¹, GMC⁺²⁵, HZZ⁺²⁵, 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, KRBF25, 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, SSN⁺²⁴, THVJ23, YPF⁺²³]. **regulating** [SOSN23]. **regulation** [BGvL⁺²⁵, 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, ZYW⁺²⁴]. **Relationships** [QFM⁺²¹, BMA⁺²⁰, BM22, FÖJ⁺²⁴, GGHBS⁺²⁰, KPL⁺²⁰, LEB21, MNM⁺²¹, QS21, SDL22, SZA⁺²¹, TRS⁺²⁰, YJ20, ZZWL22]. **Relative** [CZA24, 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, CB25]. **relevant** [BBWB24]. **reliable** [PPB⁺²¹]. **relieves** [DCK⁺²²]. **Remarkably** [EFP⁺²¹]. **remote** [LSW^{+20a}, VVMJ23, dGKB24]. **Removal** [MLS⁺²¹, SGL⁺²³, TLMP24]. **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** [SBCF24, WRA⁺²³]. **requires** [KHCG⁺²²]. **Research** [MKBSK19]. **reservoir**

[AWGV20, BBH⁺²⁰, CB21a, ILPL20, LHD⁺²⁰, PBGGRB21, WYY⁺²⁴].
reservoir-downstream [WYY⁺²⁴]. **reservoirs**
 [BJG⁺²², CCY⁺²¹, CM20a, LPMBR23, NMRW24]. **residence**
 [EAF⁺²², LvBS⁺²², RCMA21, SDL22]. **resident** [LBJS22]. **Resilience**
 [CAV⁺²², BLS⁺²², BBMD20, DP22, GGS⁺²¹, GFT⁺²⁴, 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, MMF⁺²⁴]. **resolves** [CON⁺²⁴]. **Resolving** [BPIBN20, SMW⁺²¹].
resonance [LHH24]. **Resource** [LHS⁺²⁰, CHA^{+24a}, DCAB24, FBJ⁺²³,
 FDHS20, GZX⁺²², MHL⁺²⁰, VCT⁺²³]. **resource-use** [DCAB24]. **resources**
 [MRC⁺²⁴]. **respect** [LBvE23]. **Respiration** [BHA⁺²², SEG21, BWSW24,
 BV21, BW24, 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, GdJA⁺²⁵, GRJ⁺²²,
 GK22, HXL⁺²¹, HLS⁺²², ILPL20, JHS⁺²¹, JLR⁺²², KX22, LVHK20,
 LCM⁺²², LTH21, LTW⁺²⁴, MAP⁺²², PLC⁺²⁴, PC21, PMZ⁺²⁵, RRH⁺²⁴,
 SGL⁺²³, SDS⁺²³, TNK⁺²², WWFS21, WGK^{+24b}, XYL⁺²³, YAE⁺²³,
 ZZWL22, ZSZ⁺²¹, dSNIB22]. **Responses**
 [MXL⁺²¹, MY23, Ano24a, CLG⁺²⁴, CHAA21, DKW⁺²¹, FM21, GFG⁺²²,
 HDS⁺²⁰, JWA^{vD+22}, KIB⁺²⁴, KL22, LFBS24, 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, SBP⁺²⁵].
restructuring [HFL⁺²⁰]. **result** [CLC⁺²²]. **Results** [MKBSK19].
resurrect [GTMC25]. **Resurrection** [ZJ22b]. **resuspension**
 [CGD22, MDBI20, MCS⁺²³]. **retain** [LDG⁺²¹]. **retention**
 [CZA24, 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, YZX⁺²⁴, 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, DCAB24, FR23,
 FMMD⁺²⁵, HPP⁺²³, HHK⁺²², MKD22, PVH24, Roy20, SWV⁺²⁴, TRS⁺²⁰,
 VMP⁺²¹, YPH⁺²⁴, ZJ22b]. **reversals** [LDG⁺²¹]. **reverse** [ZJ22a]. **review**
 [BR22, Bri24, 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, ŚWKS⁺²⁵, TKW⁺²³]. **richness** [RBL⁺²⁰]. **ridge**

[FSdS⁺24, GCP⁺25]. **ridge-runnel** [FSdS⁺24]. **Riemann** [MBD⁺23].
riparian [FW21]. **ripples** [OSK⁺24]. **Rise**
[MWV22, FNB⁺23, LVHK20, LRM21, QMG21, YLT⁺20, ZvBZ⁺20]. **Rising**
[YJS⁺25, IOS24, NB23]. **risk** [LAFV23, Roy20, ZLG⁺23]. **River**
[DSY20, LTH21, MGI⁺22, SLRS⁺24, YGD⁺21, ZPK⁺22, AWB⁺23, BCY⁺24,
BMLV24, BHN⁺24, Bri24, 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, SBP⁺25, TUR⁺20,
WPY⁺20, WTS⁺25, WYY⁺24, ZYZ⁺21, CM21, GBHF21, LXC⁺21b, PCN22,
Roy20, SMNT22, TMSL22]. **river-bay** [WPY⁺20]. **river-dominated**
[DKPS23, QS21]. **river-fed** [WTS⁺25]. **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, WYY⁺24,
WSC⁺25, YGD⁺21, ZSZ⁺22, ZXZ⁺23, dOKC⁺21]. **roles**
[CSB22, HDK⁺21, MMF⁺24, SKY⁺24]. **rolling** [ALG⁺23]. **Roseg** [PSE⁺20].
Ross [CLP⁺24]. **rotating** [SEG21]. **rotationally** [REF⁺21]. **rotifers**
[Gil22]. **Rottnest** [MVBG20]. **roughness** [CZA24, YPF⁺23]. **rRNA**
[DLL20]. **RS19** [KMM⁺22]. **rubble** [KDW⁺23]. **rubescens** [SDS⁺23].
Rubisco [RBR⁺24]. **runnel** [FSdS⁺24]. **runoff** [FBJ⁺23, HSP⁺20, LLC⁺23].

S [DLL20, BSGA21, HZC⁺24, RvHF⁺20]. **Sahara** [NEB⁺22]. **Saharan**
[BFE⁺20]. **saline** [GZZ25, IÁSNCR21, SSP⁺20]. **Salinity**
[ZLJ⁺24, ETG21, GCS⁺24, 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, PGW25, SWK⁺23, TEK⁺21, WLK⁺21, XWL⁺21,
YLT⁺20, YDM⁺25, YJS⁺25, ZZCD23]. **salt-wedge** [WLK⁺21]. **saltmarsh**
[HGA24, LDGB⁺24, LCS⁺20, WPO⁺22, YXC⁺22, ZZL⁺21, ZvBZ⁺20].
sample [FDB24]. **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]. **Sargassum** [CAN⁺24]. **satellite**
[CLA⁺24]. **save** [DMCW23]. **scale** [ASL⁺24, BMA⁺20, BGAD⁺22, DAN⁺22,
DMM⁺21, DFW⁺20, EWF22, GGDB25, GBC⁺20, GSD⁺23, GLB⁺22,
KRBF25, KPNJ23, MACC24, MSGW⁺20, MHdS⁺21, MGI⁺22, OYM⁺20,
PATL⁺23, SH22, SLRS⁺24, SMKS22, WO21]. **scale-dependent** [GGDB25].

scales [AH20, AHF⁺22, BRB⁺22, CESS21, FBR⁺23, GCP⁺25, LM24, MCH⁺21, PYM⁺20, RTM⁺20]. **Scaling** [BW24, CGC⁺21, BEM⁺25]. **Scallop** [TJW⁺22, CGR22, FSH⁺23]. **Scandinavia** [LDGB⁺23, LDGB⁺24]. **scattering** [KSR20]. **scavenger** [dJSS24]. **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, CCS⁺24, DNB⁺20, FNB⁺23, FXD⁺22, GVF⁺23, GB25, HMM⁺22, JHvL⁺23, LLL⁺23, LAFV23, LVHK20, LCS⁺24, LRM21, MZXY22, MY23, MBLA⁺21, MKBSK19, MSSBR24, MLG⁺20, OSR20, OBB⁺20, PCN22, PGN⁺21, QMG21, RBSV⁺24, SH22, SIP21, TMKB⁺22, VCT⁺23, WHAR⁺20, WOMWR20, WXK⁺22, WDG⁺21, YLT⁺20, YRC⁺24, ZSD⁺20, ZXE⁺23, ZvBZ⁺20, CHA⁺24a, CGRGP⁺21, CGR22, CBB⁺22, CMY⁺25, 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, SBJ⁺24, 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** [MSSBR24, GPDA⁺20]. **Seagrass** [AMO20, TLMP24, AAC⁺21, AHCF22, BBMD20, GELME⁺24, HHMH22, JvKvT⁺20, JHBB22, KHK⁺22, KRBF25, LLTT⁺24, MZ25, MRH⁺23, RLP⁺20, RS21, SVM⁺22, SN22, SKY⁺24, VLP⁺21, YvdHC⁺20, ZWM22, dSMPC24, dSNIB22]. **seagrass-dominated** [JvKvT⁺20]. **seagrasses** [LSW⁺20b, THVJ23]. **seals** [KTH⁺21]. **seas** [BND⁺23, LCZ⁺21, WSC⁺25, YWZZ20, MLL⁺21]. **seascape** [PVSP⁺22, SHPW22, YAL⁺25]. **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, PS24, RHM⁺21, SKB⁺22, SCT⁺21, SGS22, TKS⁺20, VCBB20, WYY⁺24, XYL⁺23, vdPMF⁺21]. **Seasonality** [BSC⁺24, CCFF21, CCDM21, LRNG24, MK21, RPKC22, MKD22]. **Seasonally** [BM22, CVF⁺20, LXC⁺21b, MLK⁺22, PJRV23, SSM⁺22b, THVJ23]. **Seasons** [HCNO⁺20, CLM25, GCW⁺23, JHBB22, SML21b, TCB25]. **seawater** [BBWB24, CSGI⁺24, Edm21a, KSR20, MAD⁺22, NTJ⁺20, SOSN23, SBCF24, SBT25, SLP⁺24, 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, SVM⁺22, ZGdS⁺24, AJMG21, BBH⁺20, BBCA⁺21, CGD22, DLDF21, GWS⁺21, GMI⁺21, HBS⁺22,

HMM⁺²², HLKD23, HHMH22, HZZ⁺²⁵, 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, WSC⁺²⁵, YLT⁺²⁰, ZTT23, ZSF⁺²³, ZWM22, dSNIB22, vHHP⁺²². **sediment-deficient** [LVHK20]. **Sedimentary** [SLHL⁺²², YPH⁺²⁴, HLPT20, KTP25, LLK⁺²², LL23, RBR⁺²³, SGA⁺²², SGGB21, TKS⁺²⁰]. **sedimentation** [HZM⁺²¹, LLC21, RNW⁺²³, SVBT20, STO⁺²⁴]. **sediments** [AGC⁺²¹, BAG⁺²⁴, BJK⁺²¹, BVM⁺²⁰, CBB⁺²², CHP⁺²⁴, CBF⁺²³, CAN⁺²⁴, 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, REvdMO24, RWS⁺²², RCS⁺²⁰, SSM^{+21a}, SJR21, SSEO21, SSCE20, SZY⁺²⁰, THL⁺²¹, XLN21, ZSW⁺²⁴]. **seed** [ZZL⁺²¹, ZSZ⁺²²]. **seedling** [vHHP⁺²²]. **seedlings** [OJUN23, SRN⁺²¹]. **seep** [STB⁺²⁴]. **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]. **self** [FSdS⁺²⁴]. **self-organized** [FSdS⁺²⁴]. **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, dGKB24]. **sensitive** [BJS^{+23b}, FLH⁺²³, HZM⁺²¹]. **sensitivities** [LSCL21, RRH⁺²⁴]. **sensitivity** [CLW⁺²¹, CCF21]. **sensor** [BCWS23, SSM^{+22a}]. **sensor-based** [BCWS23]. **sensory** [RS20]. **separation** [LTJ⁺²⁰, MCYR20, NH23]. **September** [TNK⁺²²]. **sequence** [KMK⁺²⁴]. **sequencing** [BBGM20, DLL20, WZCK20]. **sequestration** [FXD⁺²², GBMKJ22, JHSG⁺²⁴, LDGB⁺²⁴, PYY⁺²⁰, SHS⁺²², XWL⁺²¹, YXC⁺²²]. **series** [BHA⁺²², CON⁺²⁴, CBN21, FHMK20, FR23, FMMD⁺²⁵, 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, BW25, BMR^{+21b}, BOC⁺²¹, CB21a, FBV23, GTNH25, HBS⁺²², HZZ⁺²⁵, 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, YIS⁺²⁴]. **shallow-lake** [LZM⁺²¹]. **shallow-water** [LBG⁺²², SWS⁺²²]. **shape** [CEE⁺²², FWvA⁺²¹, FBRG23, GGR24, KVK22, STB⁺²⁴, SGM⁺²², TKM⁺²², ZLIP20, ZGdS⁺²⁴]. **shaped** [BMH⁺²⁵]. **shapes** [RBAC⁺²⁰]. **shaping** [EBK⁺²⁰, HAB⁺²⁴, LNC⁺²³, ZSZ⁺²²]. **share** [MRD⁺²¹]. **sharks** [PRS⁺²⁰]. **Sharp** [BHS⁺²⁰]. **shelf** [ChHC⁺²⁴, CHP⁺²⁴, CBF⁺²³, CHAA21, EFG⁺²⁴, FBRG23, FMMD⁺²⁵, GPDA⁺²⁰, GPK⁺²¹, HJWP24, HJB⁺²⁵, KTH⁺²¹, KPS21, LvBS⁺²², QRWT⁺²², SLJ⁺²², WRC⁺²¹, WSC⁺²⁵, ZLU⁺²⁰, MMF⁺²¹, ZZJ⁺²⁵]. **shelfbreak** [ZMS⁺²⁴]. **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, HJB⁺²⁵, ZZHZ23]. **shifts**
 [AH20, CLA⁺²⁴, CAN⁺²⁴, CON⁺²⁴, CHA^{+24b}, DMC⁺²², DAP⁺²⁴,
 GPK⁺²¹, HLH⁺²³, MWV22, MKL⁺²⁴, PVH24, PMZ⁺²⁵, RNW⁺²³,
 RVvB⁺²³, RS21, SPHH22, SBP⁺²⁵, TMKB⁺²², WCZ⁺²⁰, BWV⁺²⁰]. **ship**
 [CSGI⁺²⁴]. **ship-based** [CSGI⁺²⁴]. **shipboard** [BBA⁺²³]. **shipwrecks**
 [HMM⁺²²]. **shore** [FGO⁺²⁰, GLN⁺²⁰, GLN⁺²¹, GTKW⁺²⁰, MMF⁺²⁴].
shoreline [STO⁺²⁴]. **shores** [DP22]. **Shoreward** [KTH⁺²¹]. **Shoring**
 [BV21]. **Short**
 [GdJA⁺²⁵, RTK23, BGvL⁺²⁵, LRNG24, ORE20, REvdMO24, TMS⁺²¹].
Short-term [GdJA⁺²⁵, BGvL⁺²⁵, LRNG24, ORE20, REvdMO24, TMS⁺²¹].
shortages [LMSN23]. **shortleaf** [dSMPC24]. **show**
 [Ano24a, CLG⁺²⁴, KFHS24, PMZ⁺²⁵, WGK^{+24b}]. **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, BMR⁺²⁵]. **Sierra**
 [CM20a]. **Sight** [ZYW⁺²⁴]. **signal** [MAR⁺²⁴]. **signaling**
 [BMGK22, MK20, ZMC⁺²⁴]. **signals** [ZLG⁺²³]. **signature** [LHGJ21].
signatures [TZF⁺²², YZX⁺²⁴]. **Significant** [RBSV⁺²⁴, RVvB⁺²³, GSD⁺²³,
 MTP⁺²³, RNW⁺²³, WF22, YML⁺²¹, ZXE⁺²³]. **significantly**
 [LLC⁺²⁴, RWL⁺²⁴]. **Signy** [MSGW⁺²⁰]. **silica**
 [IKN⁺²¹, MLT⁺²¹, RWL⁺²⁴, Roy20, SBT25, XSZ⁺²¹, ZSW⁺²⁴, ZBNH⁺²¹].
silicon
 [CMY⁺²⁵, LLMM⁺²³, LAMG⁺²², MBLA⁺²¹, WSLC22, ZSD⁺²⁰, ZSW⁺²⁴].
silled [HJWP24]. **similar**
 [CTP21, CCG⁺²², HMB⁺²⁰, LTJ⁺²⁰, SVM⁺²², VWR⁺²³]. **Simple**
 [SDL22, KTP25, ZLN21]. **simple-wave** [ZLN21]. **Simulated**
 [JHBB22, GdJA⁺²⁵, GRJ⁺²², JHSG⁺²⁴, MLG⁺²⁰, SBL⁺²¹, dGKB24].
simulation [TFI⁺²⁴]. **simulations** [BGAD⁺²²]. **simultaneous** [THL⁺²¹].
Single [KSN⁺²¹]. **sink** [AFH⁺²², PUH⁺²³, RTM⁺²¹, SKY⁺²⁴]. **sinking**
 [ALG⁺²³, CKH⁺²¹, CBN21, DKBG21, DLL20, JLS⁺²⁰, LCMG⁺²⁰, LG21,
 LBL⁺²⁴, RGE⁺²⁴, SAD⁺²⁰, YEF⁺²⁴, HCB⁺²²]. **sinks**
 [GMNG⁺²⁴, SGGB21]. **siphonophores** [HCH⁺²⁴]. **site**
 [OFM⁺²¹, TFI⁺²⁴, TCP⁺²²]. **site-specific** [TFI⁺²⁴, TCP⁺²²]. **sites**
 [MSG⁺²²]. **situ** [BO20, BBGM20, DHNH22, GPB⁺²⁰, GSD⁺²³,
 MHMML⁺²², MCYR20, SSM^{+22a}, TFI⁺²⁴, VMP⁺²¹, WLS21, WGK^{+24b}].
Size
 [BJS23a, BMLV24, JSW⁺²¹, KSF⁺²³, SDSGR21, Ano24a, AMC21, ALH⁺²¹,
 BS25, CZA24, CLG⁺²⁴, CHAA21, CHA^{+24b}, FGP22, FMMD⁺²⁵, GNO22,
 HBG⁺²², KSR20, LSL⁺²⁰, LHS⁺²⁰, LXC^{+21b}, LDB⁺²⁰, LHMR23, MGI⁺²²,
 PS24, PMRG20, TATC⁺²⁴, TRG24, WKCR25, WOK⁺²¹, dJGCS23]. **size-**
 [GNO22]. **Size-dependent** [BMLV24, FMMD⁺²⁵]. **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, NMRW24, OGRS+25, OYM+20, PCJ+21, PRS+20, PSK21, WF22, YIS+24]. **small-scale** [EWF22, MSGW+20, OYM+20]. **smaller** [MN20, RHP+23]. **Snow** [GTMC25, BW25, DBFC24, KFHS24, SGL+23, SEG21]. **snowpack** [PFB+22]. **socketeye** [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]. **sorting** [FDB24]. **soundscapes** [CLW+21]. **Source** [SCB+20, AFH+21, AFH+22, BBH+20, BHA+22, BOC+21, Bri24, DBFC24, DKPS23, HSD+20, IFU+20, LCHB22, PUH+23, RTM+21, STB22, VST+22, WTS+25]. **source-specific** [BHA+22]. **source/sink** [RTM+21]. **sources** [AHC2F+23, BND+23, BSF+21, BCL+22, CSD+24, GMNG+24, HGDW24, KRC23, KLG+23, LZD+23, MV22a, MV22b, MTB+21, MHL+20, MCS+23, NCO+24, PMJ+21, SSS+24, WBAG24, WLK+21]. **sourcing** [PGW25].

South
[MSGW+20, SMW+21, AHCJ+20, CMY+25, 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]. **southward** [ZSZ+24]. **Southwest** [ZZWL22]. **sp** [DFW+20, GTKW+20, vGDH+21]. **space** [FWvA+21, FMT+20, LHD+20, MO23]. **space-for-time** [FMT+20, MO23].

spacing [CZA24]. **Spain** [TZF+22]. **spanwise** [JYA21]. **Spatial** [BBH+20, DvOH+20, KHSP21, LBBM21, MHdS+21, NB20, RHA+23, RWT+21, RKBT+23, SML+21a, SMNT22, SBJ+24, WRWPG19, WZCK20, AHF+22, BR22, BRB+22, CGRGP+21, CBHB21, CCB+20, CMCC24, CON+24, 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, dGKB24, Ano21c]. **spatially** [MOW+22]. **Spatio** [LSC+21, AH20]. **Spatio-temporal** [LSC+21, AH20]. **Spatiotemporal** [Edm21a, GZX+22, MHP+23, PGW25, CHS+20, FKN21, GCEM+23, IJSC20, MCH+21, OSR20, PSK21, SPBK21, SLRS+24, SMK24]. **spatiotemporally** [HGDW24]. **Spawning** [CZA24, OFM+21, OLR+23, SRV+20]. **specialists** [MZW+21]. **speciation** [BCA+20, RBR+23]. **Species** [CSB22, BGvL+25, BTT23, BRB+20, BRB+22, CR25, CCG+22, EWF22, FRRG+21, GMS21, GBB+21, HANW21, HDD+22, IKN+21, LBJS22, LTJ+20, MVP+20, MN20, NB23, PS24, PVH24, SVM+22, SRN+21, SBJ+24, SYT+21, VGvdB+21, VJS+20, WWGP21, WNHY21, vHHP+21, vHHP+22]. **Species-specific** [CSB22, IKN+21, WWGP21]. **specific** [Ano24a, BHA+22, BBCA+21, CLG+24, CSB22, DMS+21, FMMD+25, IKN+21, LDGB+24, OGRS+25, OLFH21, SDSGR21, TFI+24, TCP+22, WWGP21, vdPAV+20]. **specificity** [KSN+21]. **spectra** [ALH+21, SSB+22]. **Spectral**

[TPTS23, HZS21, LLBC20]. **Spectrophotometrically** [SBCF24]. **speed** [MAR⁺24, WGK⁺24b]. **sphaericus** [WNHY21]. **spiny** [BFCC⁺21].
Spitsbergen [vdPMF⁺21]. **Sponge** [LAMG⁺22, LMP⁺20, LMS23, MBLA⁺21]. **Sponges** [HSD⁺22, BMR⁺21a, HOB⁺22, MSL21, MRC⁺24, MCYR20, MDIY23].
spots [REvdMO24]. **Spread** [TNK⁺22]. **spring** [ACA⁺22, AFK⁺22, BAHH⁺20, CGRGP⁺21, CM20b, DGD⁺24, FBRG23, KPG⁺23, MLC⁺21, PW22, REF⁺21, RGE⁺24, SIP21, VCT⁺23, YWLY20, YRC⁺24, vdPAV⁺20].
springs [SMK24]. **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** [GB25, GBSVJR⁺24, OFM⁺21]. **stalked** [FJP⁺21]. **standard** [SBCF24]. **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, BMR⁺25]. **status** [THVJ23]. **steady** [HH24]. **stilling** [JOC⁺20, SGM⁺21]. **stimulates** [BVM⁺20, KMK⁺24, RGW⁺23]. **Stimulation** [LBL⁺24]. **stinging** [SLP⁺24].
stingrays [CSB22]. **Stockholm** [vHLV⁺20]. **stocks** [CEE⁺22, HMP⁺21, LDGB⁺24, SVM⁺22]. **Stoichiometric** [FDHS20, MSJ21, KTA⁺21, LLGP24]. **stoichiometries** [WBAG24].
Stoichiometry [Roy20, CR25, DAP⁺24, DTPV21, FBV23, FPB⁺23, HAC⁺24, LG21, MV22a, MV22b, STB22, SML21b, VKB⁺22, WOT⁺23, WWFS21, WGK24a, ZLS⁺21].
Stokes [FGO⁺20, LCMG⁺20]. **stony** [FPBG⁺22]. **storage** [BRM⁺23, CAN⁺24, LRNG24, MRH⁺23]. **stores** [MKM⁺23]. **storm** [DAD⁺21, KX22, WTVd⁺22, vHHP⁺21]. **storm-induced** [DAD⁺21, WTVd⁺22]. **storms** [LRM21, RGE⁺24, TKM⁺22]. **Strain** [GMD⁺24]. **Strain-dependent** [GMD⁺24]. **strains** [HDS⁺20]. **Strait** [ZSZ⁺24]. **stranded** [RHM⁺21]. **Strategies** [FRRG⁺21, BDL⁺21, CZH⁺21, DCAB24, DFJ22, HXL⁺21, RCH⁺20, SOWP24, TATC⁺24, WTVd⁺22, WRHR22, ZLJ⁺24]. **strategists** [CLGH23].
strategy [LZG21]. **Stratification** [DMM⁺21, KX22, XTL⁺20, Aus24, MO23, PMD⁺23, PW22, SSP⁺20, SGM⁺21, YWLY20, YJB⁺20]. **stratified** [ACA⁺22, Ano21a, CYPRG⁺23, CKCB⁺23, EAF⁺22, GSG⁺17, HMOY25, LVDM22, LSW⁺20a, MAG⁺22, SBW21]. **Stream** [BCL⁺22, SDB⁺23, TWM⁺25, BWB⁺22, CGGC⁺21, CZK⁺23, DPB⁺23, FAB⁺20, FMT⁺20, HGDW24, IFU⁺20, LHL⁺21, MACC24, MKP⁺23, MHSL22, MGI⁺22, PSE⁺20, RGP⁺22, RVS⁺22, SBB20]. **streambed** [OSK⁺24, RBAC⁺20]. **streams** [AFH⁺21, ARBvS⁺21, BHR⁺23, BHSL21, BCL⁺22, BKC20, BMH⁺25, BRM⁺23, BRB⁺22, CTF⁺21, DRA⁺23, FB⁺23, GGDB25, LLC21, MA21, MGRR⁺21, RSLW23, RWT⁺21, RRHS⁺21,

RHP⁺²³, RBSB22, SPR22, TKW⁺²³, WK21]. **strength** [DMM⁺²¹, WWB⁺²⁰]. **stress** [ALH⁺²¹, BGvL⁺²⁵, EFP⁺²¹, FLH⁺²³, LRdGFP23, MRC⁺²⁴, MRT⁺²⁴, WWB⁺²⁰]. **stressed** [BWV⁺²⁰]. **stressors** [ABC⁺²¹, HHMH22]. **Strong** [BLS20, GCMJ23, GELME⁺²⁴, OHK⁺²⁴, SJJ⁺²¹, AH20, KTA⁺²¹, LMM⁺²¹, LHH24, MSGW⁺²⁰, WXK⁺²²]. **stronger** [BZK⁺²²]. **strongly** [LRNG24, RGW⁺²³]. **Structural** [KHHZ20]. **Structure** [LNR⁺²⁰, BCY⁺²⁴, BGM⁺²², BR22, CCFF21, CGD22, DBFC24, DFF⁺²⁴, FWvA⁺²¹, FKN21, GSP⁺²³, GGHBS⁺²⁰, HCH⁺²⁴, IJSC20, LWS⁺²², LHS⁺²⁰, LLGP24, LDB⁺²⁰, MMF⁺²¹, MSGW⁺²⁰, MDDL22, PVB⁺²⁴, PFB⁺²², PSNS22, RPKC22, SGM⁺²², SSK24, TMKB⁺²², WRC⁺²¹, WKCR25, WCZ⁺²⁰, YvdHC⁺²⁰, YAP⁺²²]. **structures** [ASL⁺²⁴, FHR⁺²¹, KTH⁺²¹, SIKU25]. **structuring** [SORGC⁺²¹]. **studies** [CBPNA22, KSF⁺²³, TLMP24]. **study** [BBMD20, CZH⁺²¹, CB21a, HKM⁺²⁰, JLMW21, KRM⁺²⁰, LBvE23, LTJ⁺²⁰, MAG⁺²², MCYR20, PHM21, SWOR20, SBT25, 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, OHK⁺²⁴, PCJ⁺²¹, PPB⁺²¹, SWC⁺²³, SSM21b, TION23, VKK⁺²¹, WOK⁺²¹]. **subecotypes** [TKA21]. **subglacial** [MP23]. **subject** [KWB21]. **Submarine** [RTM⁺²¹, WTS⁺²⁵, BSC⁺²⁴, FKN21, IÁSNCR21, KRM⁺²⁰, LNR⁺²⁰, WLK⁺²¹]. **submerged** [GCMJ23, GTNH25, HGMK22, dGKB24]. **Submesoscale** [FWvA⁺²¹]. **subpolar** [WF22]. **subpopulation** [DCJB22]. **subsidiaries** [EST⁺²⁴, EFC⁺²³, FW21]. **Subsidized** [BWV⁺²⁰]. **substances** [YEF⁺²⁴]. **substantially** [CKCB⁺²³]. **substitution** [FMT⁺²⁰, KMM⁺²², MDP⁺²³]. **substrate** [CZA24, CLC⁺²², MKBSK19, dOKC⁺²¹]. **substrates** [DWW⁺²¹, HP20, MHMML⁺²²]. **Subsurface** [KWB21, GLN⁺²⁰, SSH⁺²², SLJ⁺²²]. **subterranean** [BPL22, CMdIPÁS⁺²⁴, WAPC20]. **subtidal** [SSEO21, SPKM22, SMKS22]. **Subtle** [LGI⁺²⁰]. **Subtropical** [HYPG⁺²², RPKC22, TKA21, ZBNH⁺²¹, BAD⁺²¹, CKH⁺²¹, FIH⁺²⁰, GLAHH⁺²³, GMC⁺²⁵, HZZ⁺²⁰, LSCL21, LBL⁺²⁴, MZW⁺²¹, SGS22, VLP⁺²¹, WPY⁺²⁰, YMSH20, YOXC23, YAE⁺²³, YAE⁺²⁴, ZLU⁺²⁰]. **Successful** [SBH23]. **successfully** [FDB24]. **succession** [ACE⁺²², BHN⁺²⁴, CLGH23, LVZ21, NGSS23, PWS⁺²⁰]. **Successional** [THT⁺²⁰, BFE⁺²⁰, GLARS25, vHHP⁺²¹]. **successive** [MWV22]. **succumb** [FLH⁺²³]. **sudden** [ZZL⁺²¹]. **sugars** [GAS⁺²³]. **suggest** [PKV20, WF22]. **suggests** [DAB⁺²¹]. **suitable** [GPDA⁺²⁰, SBJ⁺²⁴]. **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** [LCS⁺²⁴, MT23, THL⁺²¹, XYZ⁺²¹]. **Sulfolipid** [MDP⁺²³]. **Sulfur** [CCK⁺²¹, ORRMD⁺²¹, HDK⁺²¹, LWC⁺²⁴, MZXY22, MY23, PUH⁺²³, PMZ⁺²⁵, THL⁺²¹]. **Summer** [DCF⁺²², LCS⁺²⁴, 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** [OHK⁺²⁴, RHA⁺²³, SLJ⁺²², ZZJ⁺²⁵]. **Superior** [PUH⁺²³, SRL⁺²⁰]. **superoxide** [AFM23]. **supersaturated** [LSW^{+20b}]. **supersaturation** [CM20a, SBW⁺²⁰]. **supervised** [SCC⁺²¹]. **supplements** [LRdGFP23]. **Supply** [SCT⁺²¹, CHA^{+24a}, GMI⁺²¹, LLC⁺²³, LL23, MFGF⁺²²]. **Supply-controlled** [SCT⁺²¹]. **support** [LAB⁺²², SWC⁺²³, WDL⁺²⁴]. **supported** [SZY⁺²⁰]. **supporting** [HMB⁺²²]. **supports** [FSM⁺²¹, GCP⁺²⁵, MK20, SPLJA⁺²⁰, SBW⁺²⁰]. **Surface** [GLAHH⁺²³, BM22, BMR⁺²⁵, CCB⁺²⁰, DNB⁺²⁰, JLS⁺²⁰, KMV⁺²⁰, KTH⁺²¹, MCS⁺²³, OCCW24, PATL⁺²³, SIP21, TCP⁺²², WDG⁺²¹, YPF⁺²³, ZZO⁺²¹]. **surficial** [ZPK⁺²²]. **surges** [LHH24]. **surrogates** [FDB24]. **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, YEF⁺²⁴]. **suspension** [RTK23]. **sustained** [CCC⁺²¹]. **sustaining** [YLT⁺²⁰]. **sustains** [BVL⁺²³, MBLA⁺²¹]. **Svalbard** [JLMW21]. **swimming** [CLT⁺²², SNH⁺²⁵, WGK^{+24b}]. **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** [GGDB25, BVGQN22, DPB⁺²³]. **Synechococcus** [LSCL21, WSLC22, ZLW^{+21a}]. **Synergistic** [LZM⁺²¹]. **synthesis** [AWB⁺²³, BGvL⁺²⁵, MA21, MGWS23, TLMP24, WRA⁺²³]. **syntopy** [BRB⁺²²]. **system** [DGD⁺²⁴, FIH⁺²⁰, GFT⁺²⁴, HSLB25, KX22, KSMCL24, KHCG⁺²², LTW⁺²⁴, RMW⁺²¹, SBCF24, SWZ⁺²³, SSC⁺²⁵, TJL⁺²⁴, VKGW22, WPY⁺²⁰, YIS⁺²⁴, ZLU⁺²⁰, ZJW⁺²², dMKB⁺²⁰, ACE⁺²², CMB⁺²¹]. **system-wide** [KHCG⁺²²]. **Systematic** [BGG⁺²⁰, CSGI⁺²⁴]. **systematically** [PKV20]. **systems** [BW25, HEH⁺²⁰, HMB⁺²⁰, HSLB25, KTA⁺²¹, KSF⁺²³, LABM20, QS21, RBR⁺²⁴, SBH23, YEF⁺²⁴].

Tackling [CDH⁺²¹]. **tadpole** [BWB⁺²²]. **Taihu** [XMP⁺²¹, GZX⁺²², XDQ⁺²²]. **tailings** [LMS⁺²¹]. **Taiwan** [LHS⁺²⁰, ZSZ⁺²⁴]. **tank** [ALG⁺²³, SEG21]. **target** [BMGK22]. **Tasmania** [LWvdM⁺²¹]. **taurine** [CDA⁺²⁰]. **taxa** [OMM21]. **Taxon** [OLFH21, vdPAV⁺²⁰, Ano24a, CLG⁺²⁴, GCEM⁺²³, SIKU25]. **taxon-based** [SIKU25]. **Taxon-specific** [OLFH21, vdPAV⁺²⁰, Ano24a, CLG⁺²⁴]. **taxonomic** [GWS⁺²¹, HNS21, PGEB22, SRM23, vdPMF⁺²¹]. **techniques** [OAM⁺²²]. **Temperate** [MWV22, AFH⁺²¹, AFH⁺²², AHCF22, BGvL⁺²⁵,

BCY⁺²⁴, CTM⁺²¹, CÖL⁺²⁰, DCJB22, DdEM⁺²³, FBJ⁺²³, FR23, GWS⁺²¹, GTNH25, HBS⁺²², HEH⁺²⁰, HSV22, HAB⁺²⁴, 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, WSC⁺²⁵, YJS⁺²⁵]. **Temperature** [BCY⁺²⁴, BRV⁺²⁵, 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, GMC⁺²⁵, HAC⁺²⁴, HM20, IOS24, JLR⁺²², KDV⁺²³, Lem20, LSCL21, LNC⁺²³, LSDA21, MVP⁺²⁰, MRT⁺²⁴, NCO⁺²⁴, PBC21, Phi20, Phi21, RRH⁺²⁴, SJH20, STB22, SHZ⁺²¹, SMKS22, TRG24, VLP⁺²¹, XDQ⁺²², ZXE⁺²³]. **Temperature-dependent** [OBL21]. **temperatures** [BBWB24, NB23, OJUN23, SIP21, SBCF24, 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]. **tension** [FUJE24]. **term** [BGvL⁺²⁵, BCWS23, BBMD20, BMH⁺²³, CB21a, CHA^{+24b}, DAD⁺²¹, FHMK20, FBV23, GdJA⁺²⁵, GBHF21, HBR⁺²², LAD⁺²², LRNG24, LVHK20, Lem20, LGQ⁺²¹, LZM⁺²¹, MVP⁺²⁰, MKBSK19, MNMJ⁺²¹, ORE20, RSLW23, REvdMO24, SJH20, SGM⁺²¹, TMS⁺²¹, YAH⁺²¹, MKBSK19]. **terminated** [vHLV⁺²⁰]. **ternary** [ZJW⁺²²]. **terrain** [GPDA⁺²⁰]. **Terrestrial** [SOT⁺²⁰, WDL⁺²⁴, YML⁺²¹, AVS⁺²², TSX⁺²³]. **terrigenous** [LL23, ZCZ⁺²³]. **test** [BO20, PPB⁺²¹, SIKU25]. **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^{+24b}, FPBG⁺²², HBG⁺²², HMBB21, HGA24, LLMM⁺²³, MLS⁺²¹, MIR⁺²², ZLW^{+21a}, ZLL⁺²¹]. **Thermal** [BCFI⁺²², AR20, CHA^{+24b}, EFP⁺²¹, KKP⁺²¹, MRC⁺²⁴, MSD23, PLC⁺²⁴, SMK24]. **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]. **threatens** [GB25]. **Three** [CLT⁺²², CR25, EWF22, MHL⁺²⁰, MZW⁺²¹, VGvdB⁺²¹]. **Three-dimensional** [CLT⁺²²]. **threshold** [HMBB21]. **Thresholds** [RS21, DCAB24]. **throughout** [SGSD⁺²²]. **throughput** [BBGM20, WZCK20]. **Tibetan** [DLC⁺²², XTJW21]. **Tidal** [SMK24, YOXC23, BD22, FSdS⁺²⁴, HSBC20, PBP⁺²³, PNT⁺²¹, RWMP⁺²³, SVBT20, SWK⁺²³, STO⁺²⁴, WLSD21, WSC⁺²⁵, XWL⁺²¹, ZGdS⁺²⁴, ZvBZ⁺²⁰, dSMPC24]. **tidal-flat** [BD22]. **Tidally** [CSC⁺²¹, FHR⁺²¹, WTS⁺²⁵]. **tide** [MMF⁺²⁴]. **tides** [ZSZ⁺²²]. **tidewater** [RBR⁺²⁴]. **Tight** [HJWP24, XKP⁺²²]. **Time** [CBN21, FMMD⁺²⁵, FIH⁺²⁰, LABM20, Phi20, Phi21, TRS⁺²⁰, BCY⁺²⁴, BHA⁺²², CON⁺²⁴, 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, HAC⁺²⁴, SJJ⁺²¹]. **Tipping** [CBPNA22, TRG24]. **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, Ano24-33, Ano24-34, Ano24-35, Ano24-36, Ano24-37, Ano24-38, Ano24-39, Ano24-40, Ano24-41, Ano24-42, Ano25j, Ano25k, Ano25l]. **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** [WGK24a, DSY20, MCS⁺²³, MGGRR⁺²¹, QFM⁺²¹, XYL⁺²³]. **toxic** [BMGK22, LBvE23, SKB⁺²², ZJ22b]. **toxicity** [BH21, BK20, RD23]. **toxigenic** [MBB⁺²⁰]. **toxin** [LLC⁺²⁴, MTT⁺²⁴, 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, RRH⁺²⁴, SIKU25, WSZ22a, WSZ22b, vHHP⁺²²]. **Trait-based** [VMP⁺²¹, LEB21, MLB⁺²¹, SIKU25, WSZ22a, WSZ22b, vHHP⁺²²]. **trait-environment** [LVZ21]. **traits** [CZH⁺²¹, DTPV21, EG20, FRRG⁺²¹, HMBB21, KHK⁺²², LEB21, OAM⁺²², WOT⁺²³, ZGdS⁺²⁴]. **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, TRC⁺²⁵, vGDH⁺²¹]. **transfers** [YZX⁺²⁴]. **transform** [SJH20]. **Transformation** [HOB⁺²², MZXY22, BKMY21, KRM⁺²⁰, TFI⁺²⁴, ZLW^{+21a}]. **transformations** [HGDW24, SEK20]. **transient** [NKH⁺²³]. **transition** [BVGQN22, CLP⁺²⁴, DGD⁺²⁴, KWS⁺²¹, SBM⁺²¹, YGD⁺²¹]. **Transitioning** [BDE⁺²²]. **transitions** [FDF⁺²¹]. **transparency** [BJS23a, DLC⁺²², KLO23]. **transplanted** [MGP⁺²¹]. **Transport** [CMdIPÁS⁺²⁴, BGAD⁺²², FHR⁺²¹, FGO⁺²⁰, GLN⁺²⁰, GLN⁺²¹, GPDA⁺²⁰, KPM⁺²⁰, LZG21, MDBI20, MMF⁺²⁴, MLP21b, MURK20, OBL20, QS21, RPA⁺²², VJS⁺²⁰, WKRL⁺²³, XLN21]. **trap** [BH21, DLDF21, GWS⁺²¹, MTB⁺²¹]. **travel** [BCY⁺²⁴]. **Trench** [FUUG⁺²¹, SML^{+21a}]. **trends** [BBMD20, BJG⁺²², DKPS23, GBHF21, LDB⁺²⁰]. **triad** [SSA⁺²³]. **tributary** [MBB⁺²⁰]. **Trichodesmium**

[EBW⁺²⁰, SdBW⁺²³, WBAG²⁴, ZFQ⁺²⁰]. **trigger** [GELME⁺²⁴]. **triggering** [MAR⁺²⁴]. **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, LLGP24, MPW⁺²³, PVB⁺²⁴, PMF⁺²¹, RFB⁺²², RBAC⁺²⁰, SWOR20, SPR22, SSWM20, THVJ23, VGSB23, WWGP21, WKCR25, YvdHC⁺²⁰, YZX⁺²⁴]. **Tropical** [BYB⁺²³, EBK⁺²⁰, ETMD23, FSS⁺²³, GdJA⁺²⁵, SMW⁺²¹, AAB⁺²², ACW⁺²², AHCJ⁺²⁰, BLS⁺²², BPL22, CCFF21, ChHC⁺²⁴, CDH⁺²¹, CMCC24, CLM25, 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, TRC⁺²⁵, THVJ23, YAL⁺²⁵]. **Trough** [GNO22]. **tuna** [OFM⁺²¹, OLR⁺²³]. **tundra** [LMM⁺²¹, ZSK⁺²¹]. **tuncate** [ST22]. **Turbidity** [RS20, BRHS20]. **Turbulence** [MBA⁺²¹, EWF22, FIM⁺²², GFG⁺²², TGE⁺²¹]. **Turbulent** [HMOY25, 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, CMdIPÁS⁺²⁴, CB21a, FÖJ⁺²⁴, HTLP23, HOB⁺²², LHMR23, LHH24, MLC⁺²¹, MSG⁺²², SPBK21, WRHR22, WAPC20, YEF⁺²⁴, ZLA⁺²⁴]. **type** [BH24, dSNIB22]. **types** [CGGC⁺²¹, HPCH24, KKA22, ZLG⁺²³]. **typhoon** [SYT⁺²¹, TNK⁺²²]. **typhoon-induced** [SYT⁺²¹, TNK⁺²²]. **typhoons** [LLC⁺²³]. **Typical** [QS21, HZZ⁺²⁵].

U.S [MMF⁺²¹, ZZJ⁺²⁵]. **U.S.** [HM20, MSJ21]. **U.S.A** [HSD⁺²⁰]. **U.S.A.** [HTLP23, YJB⁺²⁰]. **Ubatuba** [PLLM21]. **Ubiquitous** [STB⁺²⁴]. **UCYN** [GFW⁺²⁰]. **UCYN-A** [GFW⁺²⁰]. **ultraviolet** [PC21, YG23, ZFQ⁺²⁰]. **uncertain** [FM21]. **uncertainties** [MBD⁺²², RST⁺²¹]. **Uncertainty** [CSD⁺²⁴, CSGI⁺²⁴]. **uncharacterized** [CBB⁺²²]. **uncultured** [LOW⁺²⁰]. **Under-ice** [HS21, OBL20, SGL⁺²³, BW25, KFHS24]. **underappreciated** [ZXZ⁺²³]. **underestimated** [PKV20]. **underlie** [GFT⁺²⁴, JSE⁺²⁵]. **underlies** [YvdHC⁺²⁰]. **underlying** [BWB⁺²², CBB⁺²², HPF⁺²³]. **Understanding** [BPG⁺²², KHK⁺²², MMLPRHCG22, ALG⁺²³, HAB⁺²⁴, MVBG20, MGG⁺²⁴, SBD⁺²¹]. **underwater** [FIH⁺²⁰, HZS21, KAC⁺²³]. **undescribed** [KKP⁺²¹]. **undisturbed** [EFC⁺²³]. **Unexpected** [BHSL21, MKP⁺²³, dOKC⁺²¹, PRL⁺²⁵]. **unicellular** [CXK⁺²⁵, DCK⁺²², LTLH22, MK20]. **unique** [CYZZ⁺²⁰, STB⁺²⁴, SRM23]. **United** [BCTH20, CCA⁺²¹, DRA⁺²³, FBK⁺²², GGR24]. **Universal** [LEB21]. **Unlocking** [RCH⁺²⁰]. **unproductive** [BYS⁺²³]. **Unraveling** [JLW⁺²³]. **unvegetated** [SSEO21]. **upgrades** [TCS21]. **upland** [BGM⁺²²]. **upper** [BM22, BMB22, ORRMD⁺²¹, PGB24, YEF⁺²⁴, dJSS24]. **upper-ocean** [dJSS24]. **Uptake** [FSH⁺²³, ARBvS⁺²¹, BRB⁺²⁰, BDL⁺²¹, CDA⁺²⁰, GDB20, HANW21,

HCS⁺²¹, KP20, LLMM⁺²³, LD22, MBH⁺²³, MUGL20, MAD⁺²², MSB⁺²², MDIY23, REvdMO24, RCH⁺²⁰, SSR⁺²³, WM20, SB22]. **Upwelling** [CMY⁺²⁵, BVGQN22, CMB⁺²¹, FBR⁺²³, FUJE24, HSP⁺²⁰, IASNCR21, KLO23, KDV⁺²³, LLC⁺²³, LTW⁺²⁴, MXL⁺²¹, REF⁺²¹, SBL⁺²¹, SLZ^{+21b}, SSC⁺²⁵]. **upwelling-driven** [BVGQN22]. **urban** [TBH⁺²²]. **urbanization** [IYW⁺²²]. **urchin** [OSR20, SH22]. **urea** [SHE⁺²¹, SBB⁺²¹]. **urea-derived** [SHE⁺²¹]. **USA** [PCC⁺²⁴, DP22, LZG21, VMT⁺²⁴]. **Use** [LvBS⁺²², BCTH20, BSB⁺²⁰, BMS⁺²², CLA⁺²⁴, DCAB24, FDHS20, GZX⁺²², HPC24, IFU⁺²⁰, MO23, MGI⁺²², RTM⁺²⁰, SBB⁺²¹, SOWP24, VCT⁺²³]. **use/land** [MGI⁺²²]. **uses** [SML21b]. **Using** [FMT⁺²⁰, GF21, MMF⁺²⁴, YIS⁺²⁴, BW25, BGAD⁺²², BHN⁺²⁴, CDW⁺²⁴, CZK⁺²³, DFJ22, DMS⁺²¹, FHR⁺²¹, FHMK20, IKN⁺²¹, KFHS24, LZG21, MGWS23, NCO⁺²⁴, RPA⁺²², SJH20, SBCF24, SIKU25, TVB⁺²¹, VMP⁺²¹, WMTJW22, WDS⁺²³, dGKB24]. **usual** [AAC⁺²¹]. **utility** [RWL⁺²⁴]. **utilization** [BAD⁺²¹, BMR⁺²⁵, LD22, MBLA⁺²¹, PDK⁺²³, RCH⁺²⁰, SB20].

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, FMMD⁺²⁵, HBG⁺²², HMP⁺²¹, HJB⁺²⁵, JLW⁺²³, KX22, KOR⁺²⁰, KDV⁺²³, LZD⁺²³, LHD⁺²⁰, LMSN23, MMF⁺²¹, MHP⁺²³, MDIY23, PS24, PW22, PMRG20, PFB⁺²², PSK21, RHA⁺²³, RFW⁺²⁴, RSP⁺²⁴, RKBT⁺²³, SBM⁺²¹, SML^{+21a}, SSL22, SMP21, SMKS22, SMK24, 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]. **varied** [CHA^{+24a}]. **varies** [GCW⁺²³, LLBC20, RVS⁺²²]. **vary** [SZA⁺²¹]. **varying** [HGDW24, Phi20, Phi21]. **vegetated** [EJRRC⁺²³]. **Vegetation** [ZvBZ⁺²⁰, JvKvT⁺²⁰, PGB24, SVBT20, VMT⁺²⁰, YDM⁺²⁵, dSMPC24, dGKB24]. **vehicle** [LDG⁺²¹]. **velocities** [EAF⁺²²]. **velocity** [GLN⁺²⁰, LCMG⁺²⁰, RSP⁺²⁴]. **vent** [ASL⁺²⁴, MGP⁺²¹, NCO⁺²⁴]. **ventilation** [KdED⁺²⁰]. **vents** [CTM⁺²¹]. **Verde** [GdJA⁺²⁵]. **Vertical** [BBM21, BO20, CYPRG⁺²³, HCH⁺²⁴, SSP⁺²⁰, ZZJ⁺²⁵, BJS23a, BBGM20, GLN⁺²¹, GNO22, GK22, GBSVJR⁺²⁴, HPP⁺²¹, LLBC20, MEQBV20, MO23, PRL⁺²⁵, WF22, WO21, WSZ22a, WSZ22b, WKRL⁺²³]. **Very** [WXK⁺²², CTH⁺²⁰]. **via** [BPG⁺²², GGLH⁺²², SCC⁺²¹, WDL⁺²⁴]. **viability** [GLAHH⁺²³]. **Viral** [DAP⁺²⁴, 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, WTS⁺25]. **Vulnerability** [LRM21].

WA [MVBG20]. **Wadden** [HDD⁺22]. **Warm** [MRC⁺24]. **Warm-adapted** [MRC⁺24]. **Warming** [BMB22, BDMGH⁺23, OJUN23, RLL⁺21, SVC⁺22, TCB25, ARB⁺22, BTK⁺21, CHA⁺24a, DNB⁺20, DMCW23, FLH⁺23, FÖJ⁺24, GZZ25, MLP21b, ONH⁺20, PS24, 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, STB⁺24, SSS⁺24, VLP⁺21, ACW⁺22, AWB⁺23, BSGA21, BCY⁺24, BM22, BMB22, BRB⁺20, BCTH20, BGG⁺20, BH24, BDC⁺24, BFW⁺22, CBB⁺22, CCB⁺20, CSC⁺21, CMY⁺25, DAN⁺22, DKPS23, EBK⁺20, FBK⁺22, FBRG23, FDB24, 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, NCO⁺24, PHB⁺22, PSY⁺22, RCMA21, SJH20, SPBK21, SGGB21, SWK⁺23, SWS⁺22, SGSD⁺22, SGK⁺21, TEK⁺21, TZF⁺22, TRS⁺20, XLN21, YJS⁺25, ZZO⁺21, ZYW⁺24, vGDH⁺21, SMP21]. **water-column** [PSY⁺22]. **water-level** [FBK⁺22]. **water-quality** [PHB⁺22]. **waterbodies** [BCTH20, OBL20]. **waterflea** [ZJ22a]. **waters** [AHCJ⁺20, AFM23, BH24, BMR⁺25, CLGH23, CKCB⁺23, CLD⁺23, CPBJR⁺21, CSNS24, FBRG23, FWDY20, GPK⁺21, GMC⁺25, GBSVJR⁺24, 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, BCY⁺24]. **watersheds** [BSF⁺21, PGEB22]. **Wave** [MZ25, SN22, GLN⁺20, LFBS24, LHH24, MXL⁺21, MIR⁺22, SRN⁺21, TDD⁺24, VGvdB⁺21, ZLN21]. **wave-current** [SN22]. **Wave-driven** [MZ25]. **wave-exposed** [TDD⁺24]. **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** [KMK⁺24, dCLO⁺23]. **weather-driven** [KMK⁺24]. **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, WDL⁺24]. **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, JWA^{vD}22, KB^{vD}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, WDL⁺24, ZSW⁺24]. **wetlands** [PYY⁺20, ZJW⁺22, ZSZ⁺22]. **Where** [CHS⁺20]. **while** [AFH⁺21]. **Whole** [SPBK21, KTP25, PBC21]. **Whole-lake** [SPBK21, KTP25]. **wide** [KHCG⁺22, SORGC⁺21]. **widespread** [LCS⁺20, OMM21, VSB⁺23]. **width** [SGM⁺22]. **will** [PCC⁺24]. **Wind** [FBRG23, dSNIB22, HPP⁺21, ILPL20, MMF⁺24, 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, SSN⁺24, AAC⁺21, Aus24, DGD⁺24, GB23, HS21, JHvL⁺23, KPG⁺23, KTH⁺21, MBH⁺23, PCJ⁺21, SIP21, SO23, YWLY20, ZSZ⁺24]. **wintertime** [APB⁺23, Ano24b]. **within** [BBH⁺20, BR22, CCFF21, CCC⁺21, EWGP22, GLB⁺22, GFT⁺24, 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** [CMY⁺25, MLL⁺21]. **yield** [BMCS23, RKBT⁺23]. **yields** [APB⁺23, Ano24b]. **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, GBSVJR⁺24, KCT23, LRM21, MSL21, PLLM21, QBJG21, RBSV⁺24, SMW⁺21, SWB⁺20, SCB⁺20, THL⁺21, TRG24, VMP⁺21, WCC20, YGD⁺21]. **zones** [CCK⁺21, CBB⁺22, FUJE24, KWS⁺21, LZM⁺21, MTP⁺23, WRA⁺23]. **zoobenthic** [BD22, HZC⁺24]. **Zooglider** [WO21]. **Zooglider-measured** [WO21]. **zooplankter** [ONH⁺20]. **Zooplankton** [BDC⁺24, CLG⁺24, DVL⁺23, DGD⁺24, KHB22, BS25, CDH⁺21, CBN21, DMS⁺21, ETG21, GTMC25, GBC⁺20, HCB⁺22, HJB⁺25, HS21, KLG⁺23, KGG⁺23, LWS⁺22, LTJ⁺20, LDB⁺20, MVP⁺20, MWV22, MO23, MSB⁺20, MN20, PVH24, PGEB22, PPB⁺21, PRL⁺25, SBJ⁺24, SO23, SWC⁺23, SIKU25, TGE⁺21, TSX⁺23, THS21, VKK⁺21, WO21, WGK⁺24b, YAP⁺22, ZJ22b, ZZCD23, Ano24a]. **Zooplankton-derived** [DVL⁺23]. **Zostera** [GGs⁺21, SIP21].

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

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- [PMZ⁺25] Sarah Pacocha Preheim, Shaina Morris, Yue Zhang, Chris Holder, Keith Arora-Williams, Paul Gensbigler, Amanda Hinton, Rui Jin, Marie-Aude Pradal, Morgan Buchanan, and Anand Gnanadesikan. Genes involved in carbon, nitrogen, and sulfur cycling in an important estuarine ecosystem show coherent shifts in response to changes in environmental conditions. *Limnology and Oceanography*, 70(1):25–39, January 2025. CODEN LIOCAH. ISSN 0024-3590.

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- [PNT⁺21] Andrew J. Pinsonneault, Patrick J. Neale, Maria Tzortziou, Elizabeth A. Canuel, Christina R. Pondell, Hannah Morrisette, 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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- [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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