Title word cross-reference

$19.00$ [Hof81]. $300.00$ [Ang79a]. $52.00$ [Hof81]. $84.00$ [Ang80]. $> [DGMM85], 1 [Tho77]. 13 [CGC+20, OMK+22, PRL+18, WRS+92]. 134 [IHT+21]. 137

[AFH+11, KKS+03, PAF+11, SCMAR+99, SCLG+11, TAH+11]. 14
[OE65, PRL+18, SBK+95, WRS+92]. 15
[CGC+20, CSC+12, OMK+22, WRS+92], 18 [BSF95, LCJ+17]. 210
[KKS+03, MSL+07, SCMAR+99]. 222 [Gam14]. 228 [IHT+21]. 230
[DTKvH15, ST65]. 231 [DTKvH15]. 234 [AYK+05, HPZC21, ST65]. 238
[AYK+05]. 3 [SBK+95]. 39 [SBK+95]. 2 [AEPW93, BSF95, BK19, BF01, CKP+20, CPG+18, CKM+21, CVBG21, CFG07, CF12, CMF15, EHSI12, FGS+15, FC07, GCB+22, GDSCU09, GSF+15, GLLB22, HSS+12, LL97, LM00, LGZ+20, ILdZQ+22, LGG18, MKOLA20, OKda+19, PPKR14, RCGC+16, RVS+21, SPK+19, TST+17, TAM+15, VSA+21, WD94, WNNI21, WBA+22, WST+16, YMI88, ZCD08, ZDG+21, ZKK+16]. 37 [STHM02]. 6
[MRO+08]. 86 [SBH+14]. α [KKKS14, SCCJ+18, WPB+08]. ∞
[BM07, CPNL07, CFG07, GMAB07, MSV+14, ZHSMM14]. \( \approx \) 150 [SLG+12].

\( \beta \) [KKKS14, WPB+08].

\( \Delta \) [PRL+18, CGC+20, CSC+12, LCJ+17, OMK+22, WPB+08].

\( f \) [GDSCU09].

\( \gamma \) [WPN+08], \( K_1 \) [AK97, CGW+22, DJ92].

\( M_2 \) [CGW+22, DJ92].

\( n \) [SOH21].

\( \omega \) [SCCJ+18].

\( p \) [LGG18, ZDG+21].

\( S_2 \) [DJ92].

\( \times \) [Ang79a, Hof81].

\( \ast \) [WNNI21].

-alkanes [SOH21].

-dicarboxylic [SCCJ+18].

-oxoacids [SCCJ+18].

-unsaturated [WPB+08].

[U] [ST65].

0 [Ang79a, Ang88, SW81]. 0-08-020919-X [Hof81]. 0-08-021953-5 [Ang79a]. 0-08-02960-3 [SW81]. 0-08-026248-1 [Bak83]. 0-08-036649-X [Ang88].

0-group [SEG+22b].

00039-3 [SDS22a].

000m [DGMM85].

1 [CPB+15, CNSHT15, GAM98a, MFS+07, MR03, SFMT12, SJ02c, VOJ02a].

1-D [CNSHT15]. 1.4 [SKWWG18]. 1.4-REcO2M2 [SKWWG18].

10-year [HFO+22]. 1000m [Lev88, OT19].

123 [ABM+S15].

130 [GFB+15b].

141pp [Ang88].

143 [MFS+16a].

155° [YMA+17].

158° [HBH+17].

159° [Kru19].

16th [FJH+14].

170° [MRRC73].

173 [FDH20].

175° [RBS+20].

176 [BJMP20].

18-year [LGZ+20].

180° [KMF+20a, MHS+20a].

182 [JLP+20a].

1920s [Dri06].

1926/1927 [WMWR08].

1930s [Dri06].

1958 [McG64].

1965 [Ano65].

1970s [SKH00].

1976/77 [WXH07].

1979 [FHP83].

1980s [FMW91, GDM+15, MBB+96, SBK+95, SKSK06, TKWI08].

1982/83 [LBH+87].

1984 [MN88].

1986 [YJW88].

1987 [KDB95].

1988/89 [WXH07].

1990 [STB+92].

1990s [INI+17, JSTM02, RKM+07, SSI+02, Smi05].

1991 [PGC+96, RAP95].


1994 [HFW+98, KTB+99].

1995 [GCZ+00, GSPMAI99, KTB+99].

1998 [Ano98c, Ano98b, Ano98a, Ano98d, Ano98e, JRN01].

1998/1999 [HIS+17].

1998/99 [Min02].

1999 [Ano99c, Ano99e, Ano99b, Ano99d].

2 [Ano56i, Ano99h, GAM98b, MSF+07, SFMT14, SJ02b, VOJ02b].

20-year [CMG15].

2000 [Ano00e, Ano00g, Ano00d, Ano00a, Ano00b, Ano00c, Ano00h].

2000s [GDM+15].

2002 [Ano02a, Ano02b, Ano02c, Ano22-29].

2003 [Ano03f, Ano03e, Ano03c, Ano03a, Ano03d, Ano03c].


2004 [Ano04b, Ano04f, Ano04c, Ano04d, Ano04g, Ano04e, HBV+10].

2005 [Ano05a, Ano05d, Ano05c, Ano05b].

2006 [Ano06c, Ano06a, Ano06d, Ano06b].

2007 [Ano07n, Ano07q, Ano07k].
Ano07m, Ano07o, Ano07r, Ano07l, Ano07p, KMU+12, LM10]. 2008 [Ano08p, Ano08r, Ano08s, Ano08o, Ano08n, Ano08u, Ano08w, Ano08q, Ano08t, Ano08v, MHA+11]. 2009 [Ano09m, Ano09i, Ano09j, Ano09k, Ano09l, Ano22w, Rud15]. 2010 [Ano10k, Ano10l, Ano10m]. 2011 [Ano11i, Ano11h, Ano11g, Ano11j, Ano22x]. 2012 [Ano12m, Ano12n, Ano12p, Ano12r, Ano12l, Ano12k]. 2013 [Ano13n, Ano13l, Ano13p, Ano13m, Ano13o, Ano22-27]. 2014 [Ano14m, Ano14p, Ano14q, Ano14n, Ano14r, Ano14o, Ano14f]. 2015 [Ano15n, Ano15o, Ano15m, Ano15r, Ano15p, Ano15q, GMDD+22b, MPD+22]. 2016 [Ano16t, Ano16o, Ano16n, Ano16p, Ano16m, Ano16q, Ano16k, Ano16i, Ano16s, Ano16r]. 2017 [Ano17r, Ano17n, Ano17o, Ano17m, Ano17q, Ano17s, Ano17l, Ano17p]. 2018 [Ano18j, Ano18k, Ano18m, Ano18n, Ano18r, Ano22-28, CBB+19, CBB+22b]. 2019 [Ano19a, Ano19j, Ano19n, Ano19m, Ano19k, Ano19l, Ano19p, Ano22z, FBB+21, MPTMK22]. 2020 [Ano20a, Ano20b, Ano20m, Ano20n, Ano20p, Ano20o, Ano20r, Ano20s, Ano20t]. 2021 [Ano21b, Ano21a, Ano21c, Ano21n, Ano21o, Ano21q, Ano21p, Ano21s, Ano21t]. 2022 [Ano22b, Ano22a, Ano22r, Ano22s, Ano22u, Ano22t]. 2023 [Ano23m, Ano23o, Ano23r, Ano23l, Ano23p, Ano23m, Ano23o, Ano23r, Ano23l, Ano23p]. 2024 [JG07, 20th]. 2025 [HMH07]. 212-layer [MY92]. 21st [DML+16, MWS+10, TLP+16]. 22-year [HGBG20]. 22o [BHC+18]. 234/uranium [KG65]. 23o [BM76, CBB+02, VSGC21]. 24.5N [HGPFN+14]. 24° [BHC+18]. 25-year [MAH+15]. 26° [BDBJ01]. 26o [MSJ+15]. 27° [MM80]. 28° [CBB+22b]. 2nd [Bak83].

3 [BHH+16, MMR+09, SW81, SW01, XRC+15]. 3-D [BHH+16, MMR+09, SW01, XRC+15]. 30-year [AUE+14]. 30° [Ang79b, BM76, HGT16, HGTP+19, RKFD07]. 30m [AMEV07]. 31° [AAM+14]. 32° [APHG+22, MBKS08]. 33° [FMSBW13, MCGS+16]. 36.5° [FC07]. 36° [Bom07, CPN07, CFG07, GAB07, HAY+12, MSL+12, MSL+12, SLG+12]. 38° [SJJ+19]. 3D [ASR+20, AUE+14, MRM+14, SNS+22]. 3rd [PBH+10].

4-dimensional [MAB+11c, MAB+11a, MAB+11b]. 40° [CF12, EM12]. 41 [BLAM00]. 41CF [KSK21]. 42° [MSV+14, ZHSM+14]. 44.7° [PSP+21]. 44° [GMAGH+17]. 46° [MCGS+16, SJM+19]. 47° [QOS+22]. 4822m [RLT+22]. 48° [GH98, PMA+14, RBL+19, WBH15]. 49° [HHW22]. 4 Concepción [SSL07]. 4D [GMA98a, GMA98b, GA00, MZGA+20, WSO01]. 4D-Var [GMA98a, GMA98b, GA00]. 4D-variational [GMA98a, GMA98b, GA00].

5 [Ang79a]. 50° [BPP+08, GMAGH+17, GBC+00, GCD+13, HM98, Hen85, JTD+14, vWHD+98, CBB+02, RKFD07]. 53 [SDS22a]. 54° [QOS+22]. 56 [RG03a]. 56° [PMA+14, TSRF14]. 58° [Fe04]. 59 [VH04].

60° [Fug63]. 60° [SAA+15]. 648pp [Bak83]. 66° [CMJPH+18]. 69° [WF07].
7.5N [HGP FN +14]. 70 [RLSF07]. 71 [SHC +07]. 73 [Yas07b]. 76 [Ano94k]. 79 [SE09].

80 [VH09a]. 87 [KN11].

9-year [AT07]. 91 [Rea00, dMGS +11b].

= [AHRT90].

A10 [KMWF11]. A2 [LS +10, SYB +15]. A204 [Ano94]. A209 [Ano94]. A219 [Ano94]. aanderra [Dah69]. abdominalis [HTG15]. abiotic [GBT +19]. ablation [LDHW20]. absolute [DPCS87, Emi65, Nee85]. absorption [HOY +21a, KM08, SPWH21]. Abundance [BM07, EKB06, FBT +22, KOT +21, PSL87, STW +15, SPB93, Ver91, ADV +18, BMO12, BLI +99, BM01, BCGN +18, BPP +98, BMG +21a, BGWP +17, CMF11, Cra09, CCW +18, DDE +95, DBR03, DAU22, DPM +09, DBM17, DBR20, ECGP01, EBS +18, EHG +12, FELJ16, FGGDF +04, FBM +08, HL05, HCAFD +20, IIS +17, IAFO02, JTC +18, LCQH07, MVN +15, MCG +02, MPSD15, MSA +22, MWFH02, MPMP07, Naq01, NMLBCM +01, PL87, PHLF05, PCH08a, Reb02, SGL +18, SCC +19, SDH +14, SAB +21, TB15, THP21, VDDA +18, VR03, WMB +21, Whe06, XWL +22, YMA +17, YPG +10, ZLS +04].

abundances [CLX +20, KYS +17, MA12]. Abundant [ZBY +22]. Abyssal [BBR +01, BKD +20, BGS +04, DBJ +15, HCV +20, IBW +01, NRA +21, RBL90, SBG16, Thn90, VSC01, VDP +01, WDK +01, dJSJ +20, AP20, BBRM20, BC01, CES +19, CBL +19, DBR20, GSV +01, GA01, GHSC19, Hau18, HGGDF +04, HEGT +19, HTV +20, JZ19, JSLA +21, JPBB20, KO19, KHDS14, LMPB +16, LBK +01, MDR20, QLY +22, RMG90, RMB +01, SSKA19, SLBH +19, TDL +17, VCSD +01, VPW01, WBBW03].

CLV+19, CMJPH+18, CS06, CP07, FWH+17, FLdST98, FMCG15, FJH10, FWL+15, GDM+20, GIC20, GHC+17, GLAHH+22, GRdSS+22, HTG15, HFPS+06, HLTB+17, JTD+14, JLRB20, JSDKM02, KHM+88, LSV14, LGR+02, LLGS21, LBC+15, LB14, LHEB98, LvIKB07, MCD+14, MTL05, MVBC+21, NRA+21, OHC+17, OCH+18, ORMR+19, PCSMC12, PO15, RBL+19, SW01, SSV+11, TOKLC08, VVV+08, VKGP+13, XWW+21. **across-**

**Across-slope** [HFW+98]. **Acta** [Ang86]. **Actiniaria** [vPRT90]. **Actinopterygii** [SM21]. **action** [IST+88]. **actions** [CBB+22b]. **active** [GSA+20, Kit03, PCC+19, VWFDF14, YYYK88]. **activities** [BTG+03, GGQ07, NCC+15, OvdSN94, RMB+01, XHW+20]. **activity** [BMNW01, CPB+15, CM14a, CED09, DLM+96, ECGP01, FPS+09, GASV+09, GGPG+19, IPG+16, LKDL14, LS12, MKH096, MCGS+16, PS98, PRA+18, PBD+88, RBS+09, SAM+04, SS03, VDDA+08, ZHSMM14]. **actuelle** [Ber65c]. **acuminata** [DRVMC+22]. **adaptation** [ALC22]. **Adaptations** [Sma10a, Sma10b, KV18, THBA19, VJJ+22]. **Adaptive** [PVC+08, Sma10a]. **ADCP** [ADS+22, BPC+05]. **addition** [BPA+21]. **Additional** [MTL05]. **Aden** [BF12]. **Adjacent** [ALV+21, AP20, ACL+18, BEH19, BCGN+18, BBRM20, CN22, CES+19, CFML22, CTR+19, Dri11, ESTM13, FBR+13, GM19, HDM19, KFC+13, LSV14, PCD+18, RCSVGP+16, SSB19, SSKA19, SCB+16, TCDPP+22, TAF+22, WGZZ19, WL16, YLL19, Yao88]. **adjustment** [MZGA+20]. **Adriatic** [KK20, PL09, BBB+14, BPC+05, CDDF11, CD65, CFML22, KS15, MVC+11, PVG+20, SGM+18, SK21, TAF+22, UCB+18]. **adult** [CCHV+21, CCS+21, DBM17, LMM03]. **adults** [dSSDS+20]. **Advancements** [ALV+21]. **Advances** [PHKS17, Ang88, BTK+99, CDL19, Don87, FJH+14, KA85, MS17, SVG+18, SFK+99]. **Advantages** [BMG13, KSY+19]. **Advection** [HDA+16, SWZS+21, ARDP14, CBB+22a, CNHST15, FRK+09, IAN13, SHT+17, TPPG10, WKS+15]. **Adective** [Men21]. **advice** [Ric01]. **Aegean** [TBK+99, TPP+00, BTK+99, BTG+03, LT06, PST+15, RK+07, SPK99, VKT15]. **Aeolian** [FAAV+15]. **Aequiyoldia** [GWGR+19]. **aeration** [Tit20]. **Aerobic** [CWS+21]. **Aerosol** [WH20]. **aerosols** [TPN+18]. **affect** [GLV12, LBP+21, MPM+18, NGLSSG14, XRC+15]. **affected** [HLPL05]. **affecting** [AH10, BSB+21, FPLJ85, KSK+15, LI14, NMC+09, QCD+07]. **affects** [RFS10]. **affinities** [BS90]. **Africa** [AAM+14, BAM+09, GAY+09, VFCC+22, Ang79b, ABT+04, BBPHG+11, BSB+09, Cra09, GMAMB04, MM80, Mit83, OAD22, SJP10, Tom81a, VNM91]. **African** [Pai20, ARD+03, BN03, LPARF+20, Med87, Mit91, RHML09, SAM+04]. **After** [CBM+21, IL20, LBH+87, LWBD+17, LGG18, TSFA22, YFY+05, dJSL+20]. **again** [Mun97, PPdS20]. **age** [Emi65, Koc65a]. **Aggregate** [KSKN21, JB15, KVNT20]. **aggregate-associated** [KVNT20]. **Aggregate-colonizing** [KSKN21]. **aggregates** [RPG+18]. **aggregating** [ICB+19]. **Aggregation** [Gir15, KNS+09, MPSD15]. **aggregations**

Alabunga [GAR10, LHB+10, MRAP22, NXT+17, XNT+17]. Alaska [CHC+12, CD07, CCH+12, CBT07, CM18h, DPM+09, FMM+20, HHDS02, Kli10, LHC+21, LW+20, MDAW+19, MCL+15, Mil93a, PCH08a, PCR+22, WM13, WW02, ZJZ+21]. Alaskan [CQC15, Emt95, GAF15, PSM+22, WO15]. albacares [MRAP22]. albacore [DAIS10, GA10, LOBG+10, NXT+17, PYKF15, XNT+17]. albatross [CLB+13]. albatrosses [KST+10, Ric15, Ric22, Sac16]. Alboran [CLG+22, FGR+06, GR85, OMR+22, SGLF+13, BPJC+90, MCR07, Pre86, YHM+18, VBVT+05]. alcalinité [Rot65]. Aldabra [WLKM10].


ALOHA [KLB+21, KBC+22]. along [ACK+13, Ang90, AB+04, BJ+17, BS+15, BBF+19, BHC+18, BGWP+17, BT+17, CGM+02, CBB+02, CDT+16, CCHM02, CLB+14, CSG+15, CB+17, CBL+19, CJG88, DN70, DHD+22, EBR+14, FAAV+15, FGGDF+04, GMAMB04, HCAFD+20, HBH+17, JJA+17, JG07, KLC+15, KMWF11, KG+10, KRL+22, KLD+14, LM00, LHEB98, LPAR+20, MG02, Mar20, MTA+14, MAA+00, MIN+20, MB07, Mit91, MPRG07, NHN+21, PGT+13, PV+07, PHFK14, PS99, PRA+E1, PCC+19, PHC+19, RFSCF19, RNO2, SSB+19, SSB+20a, SH09, So00, SAR+17, SST+17, SJ02a, SJM+19, STR+01, SGR+22, TTM+17, TC+13, TS+22, TRSF+14, WHT86, YMA+17, dWDB+98].


Amerasian [GCFS06]. America [CAH+22, CBB+02, CCHM02, JJS03, STR01]. American [JAS+20]. amino [AB+09, BPP+08, GGA+05, HMP21]. Ammodytes [RHBS13]. ammonium [FOUG+16, MEF+12]. AMOC [HMH+15, SF15]. among [BL+02, CMM+04, DDK+18, GSV+01, HGB+21, JJJ+19, SPM+05]. amongst [BGA+21]. Ampharetiidae [AP20]. amphipod [AE09, FJ+19, HT+20, JZ19]. Amphipoda [Tna90, gWNLFyD20].
amphipods [BS90, BTV+17, HS22, HCV+20, JM19, RJT84, Thu90].
amplitude [ITO+14]. amplitudes [DLM91]. AMT
[AB00, BJ17, PHCA17, SWT+17, ABD+17]. AMT-19 [SWT+17].
Amundsen [FTG+11, JYK+14, SDL+19, YLL19]. Amur
[FMWW14, SMN+14, YAI+14]. Anadyr [NHN+21, NAH+21]. analogous
[MHS+09]. analyses
[FTG+11, KSG+17, LSM+22, SBM91, SM16, SDO+14, YGL+10]. Analysing
[SSB14]. Analysis [ANMP15, ´ABM´AS15, BHHR15, FBD18, FRCH15,
MMGL+07, MEMC05, TMK+09, WHT86, YPM+10, YYI+17, ABM+14,
ASR+20, BFPS06, BGB+08, BD19, BPGD+14, BBF+22, CDFF11, CPG+18,
CHC+12, CSK+12, CP83, CHB02, CR20, DM13, Dom84, Fuk91, GRDS10,
GJ00, GTNK21, HCL+15, HPS+01, Hob10, HSC+16, IBW+01, JE92, Mac98,
MERB12, MNT14, MHR+10, Mck08, MGC+18, MLHM09, MC88, MDR20,
MCT03, Ola65b, PPVG12, PM13, PZA+15, PTG95, Rebo2, RCGC+16,
RDL+91, SBMB18, SMN+13, SF02, SBFP21, SDJ14, SHS+05, TSS+12,
Tom81a, Tom81b, VCM04, WD94, WDC+11, MAH+15]. analysis/forecast
[CP83]. Analytical [PTF10, LPA+11]. Analyzing
[DYO+10, LTJ+15]. anammox [GMBU12]. Anatomical [YKWF21]. Anatomy
[PKA19]. Anaximenes [GPP22]. anchoita [DMC+18, dFKdLZTT17]. anchor
[AVK91, BC91, CB91, CJMI+91, MIW91, PWMIM91, Ver91, WP91].
anchoveta [BGB+08, CGC+20, FBM+08, GRB+08, PCSMC+12, SMPC+12].
anchovis [APC+12]. Anchovy [IFC+07, YPGE+10, AIA+15, BCT+09,
BBF+20, BDL08, BLT+08, CMS+13, EB08, FRCH15, GCD+18, HLS+14a,
HPW10, JBB+14, KYS+17, OACB+15, PST+15, RFC+15, SGWF+19,
SAY+16, SBG+08, TOKLC08, TIOM16, VOG+08, XRC+15, YFY+22].
and/or [HSG+15]. Andaman [JFUR20]. Andvord [LWT+20, ZCLS20].
anemones [vPRT90]. Angel [WR03]. Angeles [aHFS92]. Angola
[DSUC09]. anguillid [KMF+20a, KMF+20b]. anguilliform [FMC+15].
angular [CR97]. animal [GDN+18]. animals [BC01, Zez90]. Annaba
anotation [GPAB+16]. Announcement [Ano80a, Ano82a]. Annual
[AMG+16, CMHM18, Mlo04, PMC16, RWD01, TSFA22, AMFY20,
BCOL+19, BM07, CLB+13, CLL+18, CRHM12, DZ04, DBM17, EHG+07,
FCN+19, GLLB22, HDY15, Her97, JsdSS+21, KFKO03, LMPB+16, LC12,
LW13, MTC12, MGR07, NAA17, OACB+15, RMR3, GRC+01, RG09,
SNZ+20, SGR+22, TM13, WSO01]. Annular [ZHD+20]. Anobothrus
[AP20]. Anomalies
[BLAM00, ATS01, HZCZ16, HHRS07, Kat18, SMG02, SJ02b, BLAM98].
Anomalous [ABP15, BASS+20]. Anomalously [AAML22, TSFA22].
Anomaly
[Leg91, KWT20, LBMB13, SCHBC+22, SPV+15, SD07, UKM+14, DMML88].
Anomura [Mar20]. answer [BLBD+11]. Antarctic [FDL20, HWPILvW20,
HGH+19, LWT+20, MD07, BHA+14, BH85, CD+15, CP07, DSR21,
DHDM22, dCFK17, GNH19, Hay65, HSH+19, IGG+19, IG91, LS12, LS13,
MWS+10, NPO+19, NHG19, OJB99, PVM+20, SSTD+95, TNGP22, TFZS14, VMF+19, VKDS+18, WCC+20, ZSI+05, Zen08, ZCV+19, ZHD+20.

**Antarctica**

[JYK+14, SDL+19, TSFA22, ZCLS20, GBB96, LSF+17, SAT+22, SDL+19].

**antarcticus** [NPO+19], **antennatus** [CPG08, CHSB+21, SCB+09].

**Anthropogenic** [FGS+15, aHFS92, JJ08, ILdZQ+22, PPKR14, CPG+18, DNNNN16, EMK+17, GSF+15, Har82, JJA+08, KFC+13, LPA+11, PKV18, RJO+19, RLD+13, RLR+18, RAB+11, dMGS+11b, dMGS+11a].

**anthropogenically** [MGC+18], **anti** [XHC+20]. **anti-cyclonic** [XHC+20]. **anticyclonic** [CBB+22c, MSS+02, RAЕ+05, WOW+14]. **Antikythera** [KHC+99]. **AO** [NBR+08]. **AO-02** [NBR+08]. **AOU** [WMC+89].

**APECOSM** [Man10]. **Aperture** [VOT+99, Ric94]. **Apex** [Man10]. **Aplacophora** [BHB+19], **apparent** [GJ00, NMK+03]. **applicable** [Ano17i, Ano17j, Ano17k].

**Application**

[CN22, GLS08, iiYIO+10, SSL08, Suk88, TGGT09, VBL+09, WCB20a, WPH+10, XD95, XYL+22, AC85, HKK12, KM22, KAH+16, Kvi69, LFG10, MCKS17, MAB+11a, RWD01, TGR05, vRGW10, BPA+21, GMDS20].

**Applications** [MLHM09, BMM97, BDE03, Dev87, KSY+19, MGZ+20, RLSF06, RLSF07, SHG12, WD94, ZD17, vFB82]. **applied** [BIL03, BBF+22, CPSM20, GAS+22, Man04]. **Applying** [BMG13].

**appreciation** [Ano65e], **approach** [ANMP15, BMG13, CSBL+15, CLX+20, CRF+10, DYO+10, DVL+99, DFH+15, DFH+16, GWM+22, GNM19, GD01, HMRB+03, HHH+09, HNL14, HAP+16, hHRW+05, iiYIO+10, JPM+08, KKK04a, KSE+09, LM18, LM14, LL21, LSD+15, MPM+18, OWH14, ORVES17, PBO10, RGB+17, RSMIS03, SJP10, STM10, SEW11, SPN98, TMR+21, TAM+13, TS10, VSGC21, Val99b, WFS+15, YPGE+10]. **Approaches** [Ano09h, MHA+11, CP10, FBA09, HAA+14, KSK+15, Man04, WMB+18]. **appropriate** [FCEZ10, GKC+14]. **April** [Ano00e, Ano02a, Ano04b, Ano05a, Ano06c, Ano07n, Ano08p, Ano12m, Ano13n, Ano14m, Ano16t, Ano17r, Ano19n, Ano20a, Ano22a, FHP83, GMDD+22b, MPD+22].

**Aptenodytes** [STC10, STEB16]. **Aqua** [WM13]. **Aquarium** [GMD+22].

**aquatic** [Pas22]. **aquatic** [BBR88]. **Arabian**

[AJA+22, ABS+20, ADS+22, BNC05, CBM+21, Cow05, GCB+22, LEDR+22, LO85, MGG22, MB05, MKHO96, Men21, NBG+05, PJS+22, SDP+22, SRAV19, Smi05, SM05, SGR+22, VJJ+22, WHBK05, WGG+08]. **Arauco** [CF07]. **Arc** [KTB+99, KSPK99, TBK+99, VOT+99, GSPMAI99, SKP99]. **Archacnon** [LDD+22]. **Arcane** [MS17]. **archaeal** [CTR+19]. **Archeological** [HY+01]. **archipelago** [TSRF14, MIH06, PMG15, PCH+08].

**Archipelagos** [Ché14]. **archival** [BMC+10, FTT+18]. **Arctic**

[FTG+11, FMCG15, JCM+21, MIH06, SHC+07, BF11, GvOSW11, WXH07, AMFY20, AvD15, BBE+15, BSC+19, BHM+15, BSF95, BvdlA+11, BLBP+20, BRD+15, BOG20, BKC15, BS95, BD18, BMG+21b, CKB+17, CML+16, CKP+20, CW06, CM11, CGZ+16, CKT+13, CDP14, CRPS+15, CCW+18,
DWH+14, DPB06, DWFP+19, DRD+07, DLD15, DS65, DWC06, FSVL10, FWL+15, GWK17, GSSWK20, GTNK21, GCFS06, GBC+15, GSC+20, HBG+21, HMO+13, HKGH+06, HKE+10, HHSR07, HK65, JAC+12, JHBH20, JPIH22, JLS+22, Kiv97, KH09, KB65, LSH+11, LMA+15, LLH+21, LRJ+15, MGWZ20, M/N+15, MRO+08, MOS+13, MHA+11, MMKS+21, MBH+01, MKSvA+22, MHH+15, MS15, MHVS19, NYH+22, OWR+07, PTM+22, PAPL15, PWL15, PNF+21, RJO+19, RCB+20, RSB+15, RvBD+22, Rud15, RKS+15, RN06, SSB19, SBMB18, SBR+95, SKWWGV18, SW92, SON+20, SEW11, SHC+06, SWZS+21. **Arctic**

[SJY+15, SPW22, TIR20, TMD+15, VMB+22b, VMH+21, WMC+89, WDC+11, WO15, WHS17, Was06, Was11, WKS+15, Was15, WCB+20b, WZBK+21, WIC15, WBD+15, Woo18, YSD15, YWUK15, ZJZ+21].

**Arctic-FVCOM** [CPG+16]. **Arcto-Atlantic** [PKA19]. **Arcto-Low** [SL13]. **Arcto-boreal** [MBK00]. **Argo** [SL+90]. **Argo** [GGG+70]. **Argo** [DG+09]. **Arcto-boreal** [LV+15]. **Argo** [SAB+22]. **Aristeidae** [CHSB+21]. **Aristean** [DD+08, CHSB+21, SCB+09]. **Armoricans** [SOM+18]. **Arriving** [SOM+18]. **Arsenate** [HSK+19]. **Articulata** [CRR+15]. **Asellote** [BBF+19, GM19, MB20]. **Asellote** [SB+90]. **Asian** [SSP+00]. **Asian** [OM+12, KJ+12, PO00, Qiu15, SOB+08]. **Ask** [MBK00].

**Aspects** [TFZS+14, BHS+15, Bres06, MP04, Ola65a]. **Assay** [AIA+15]. **Assemblage** [BCM+02, Dolo09, GSA+20, HSL96, LMPB+16, MADW+19, RMHL9, VMB+22a]. **Assemblages** [DN07, ACL+18, AME+07, ALG+21, ATC+19, BM07, BJ90, CSV+07, CLD22, CTR+19, CCB+20, DTD00, DSC+19, DBMO2, EMBS13, ERT+22, FTC+16, FVSL10, Gal17, GBB96, GGA+16, GGG+18, GGS+20, GDM+15, GLV12, HDM19, HTV+20, KSVT00, LSW+21, MDG+12, MTH+10, PGGG17, ROBRB+22, RLGC10, RTBR+22, SBG16, VDP+01]. **Assess** [SAB+22]. **Assessed** [MERB+12, SAT+22]. **Assessing** [JF+13, LM14, LDHW20, SGL+18, SMPC+12, EBS+18, KSE+09]. **Assessment** [ABM+14, ABM+15, AKAL+20, SBH+14, SOH21, CSB+15, CAO+20, CLB+14, EMU21, FC05, GBC+00, HFS+20, HHMB+09, Hof10,
Assimilation [CTMV+14, KDL+01, GBM+01, GAM98a, GAM98b, GA00, JRP01, Kiv97, KNI+05, MAB+11c, MAB+11a, MAB+11b, MZGA+20, SO91, WSO01, Whe93]. assist [CN22]. associated [BM76, BJMP19, BJMP20, CGM+02, CCA+02, DLD15, EMBS13, FBR+13, FRV+19, FKH+13, GGT+15, GS19, GBC+15, GPC+03, Gri22, GLV12, Jön07, KAK+22a, KVNT20, MS17, MPM+18, NAH+21, PKP14, Sch83, SGM+18, SKH00, TMN+12, VDP+01].

Assumptions [HFO90, MDR20, WMB+21]. Assumptions [KSY+19, BMG13]. Asteroida [MJD+21]. Aswan [Ore69]. asymmetry [GXX+22, HZC216]. Atacama [FAAV+15]. Atlantic [ABD+17, ASÁB+14, ABMÁS14, ABMÁS15, AKAL20, ALT10, BGMP03, BLHB07, BdMS+21, BLAM00, BBR+01, BS02, CSV+07, CKM+21, CSE+12, DML+16, DMC+18, EvdZSH02, FPD+01, FGS+15, FMH02, GMD+22b, GTB07, GSF+15, H000, HBV+10, HBR11, HCV+20, IBW+01, JLP+20a, JG07, KSR+01, KAH+16, LS20, LMT+19, MHS+20a, MMF+17, MRH+14, NJCD01, OKÁ+19, ORMR+19, PMG15, PS91, RWD01, RS08+01, RFPL21, Rei89, Rei94, RHM+19, SLOP+22, Tom81a, TRMV15, UB10, VDP+01, WVL+22, WSG17, vAB96, AHP19, AQVB+10, AS96, AdAK+18, Ang79a, Ang79b, Ang84, ABDSDC07, AGL+01, Real00, Rea00, RDL+94, RJT84, RFKC16, RFPG15, RFS10, RR01, Roe84a, Roe84b, RB84, RJTS84, RKF16, RFPG15, RFS10, RO11.
Atlantic [VPW01, VDDA+08, VFS+15, VBJ+20, WMB+21, WLD+15, WSO+13, WHBW03, WBB+01, WDK+01, WWSJ07, Yas07a, YSD15, YSN20, ZLZ+17, dSDD01, SJD10, SWZS+21, RNP+17, SWT+17, ZSBL00]. atlantica [BLCL14].


August [Ano13g, Ano22y, Ano22z, Ano98c, Ano99c, Ano00g, Ano08r, Ano09m, Ano12n, Ano16o, Ano17n, Ano21b, Ano22b, HFW+98, JRW01]. Auks [KGJ+10]. aurita [KLP+17, TCF+18]. austral [YLL19]. Australia [DPF+20, Hob10, LHF+16, MB07, WOW+14]. Australian [Her97, HT97, ORCH+19, RD03, MD07, NC80, SOB+08]. australis [FCN+19]. Author [Ano65a, Ano65b, Ano69a, Ano73a, Ano85b]. auto [MSMH19]. auto- [MSMH19]. autocorrelation [BAOM+12]. Automated [DHB+21, MERB12, SPH+15b]. automatic [iIYO+10]. autotrophic [BLP93]. autumn [BC88, CWB+22, HBG+21, PFHM16, SSV+11, WSH+22]. Auxis [KTIT22]. availability [CSV+07, JIL+19, KZD+19, LPF+18, ORM+22, VMC+19]. available [MBC88, MFDH22]. average [Tur65]. Avilés [RCSVGP+16]. avoid [LPHL+05b]. Avoiding [AF10]. avoids [McK08]. awakening [LMA+15]. AXBT [WLM07]. axial [CSR90]. Azores [Ang89, CGMP14, FPJ185, Gou85, NJCD01, PP85, SGMP15]. Azov [FPS+18, KAG+19].

B [Ang80]. back [PPPdS20]. background [BCF+03, HMI+15, Pie01]. backscatter [ADS+22, BPSN+21, MIN+20, PBBH+22, UPS+21]. backscattering [BBBV04]. backtracking [TMR+21]. bacteria [FGC88, GMBU12, JP90, Sie88, SHS+05]. Bacterial [ASC92, DMD+00, ECGP01, BFJ18, CC88, CTR+19, DDE+95, DGP+13, GMAGH+17, GMDD+22b, GMDD+22a, HLR17, Her88, RMB+01, SST+17, TAW+15, VCB+00, ZKK+16]. Bacterioplankton [BSM15, BGM+01, DLM+12, DDP+00, EGP+15, MDC+07]. Baffin [MFM15, TRY+04]. Bahamas [Ché14]. bairdi [RKCH15]. Baja
balances [AHW99, BS95]. Balancing [SCB+07, Fly03]. Balearic [BDZ+21, CHSB+21, AQVB+10, CPG08, OMR+22, PTG95, PLJR22, dPAJ07]. Baleen [MHVS19, GVVB+21]. Bali [SNR+10]. ballast [SL13]. Ballenas [SRFHD22]. BALTEX [OELP04]. Baltic [APC+12, BMC17, BBF+22, CS18, HVRR15, HKPV12, HLP+16, Hvd17, HCGK11, MHTG10, OELP04, OEL+14, PBB+12a, PDV12, PBB+12b, PHK14, RBF+09, SPB+12, Seg69, Sei63, TMKJ+09, VH09a, VH09b, VPH+12, VHK03, VHK04]. bamboo [PRA+18]. bamboo-coral [PRA+18]. band [SMFM+21]. Bank [CV+07, H007, JJA+17, RCSA01, CHC+12, ESA+13, LTSG13, SSI13, TSP+13, BBL+09, DGP+13, EMBS13, GGJ+10, LTSG13, MEST13, PIS13, SCB+07, SEO13]. Banner [Ang80]. Barbados [JFG+90, OSH+96]. Barbara [AHW99, SPB+02]. barbatchus [MSC+15]. Barcelona [SCMAR+99]. barcoding [JM19]. Barents [BS95+21, CGV13a, CGV13b, DM13, DAVD+20, Dol09, Dri11, DCL+13a, ESGP17, EGP+18, EBD+20, ED+21, HBL+13, LJM+16, LNB13, RCS+11, SDH+14, SAB+21, SEG+22b, SEG22a, SDO+14, Tit20, WRH+06, YS15]. Barents/Norwegian/Greenland [HBL+13]. Bari [CFML22, SCC+19]. Barkley [CLSD18, CMHM18, DOS+18]. baroclinic [CJL+03, Hog85, HNSP+19, KT97]. barotropic [DEW+97, Hut87, LL97, Sak86]. barrier [GHC+17]. barriers [JLRB20, TKC+22]. Barrow [HFO+22]. bartramii [IIS+17]. base [KH09, SJP10]. Based [YN20, BEP02, BSH+20, BMN19, BLT+08, CGMP14, CMS+13, CMG15, CHC+12, CJK+12, CKT+13, DPR+18, DSBP15, DHL+21, DPF+20, ERBV21, FTSF21, FAF06, Fuk91, GSFP+09, GRMB18, GN19, GBH+20, HSS+12, HFS+20, JPM+08, JAC+12, JHD212, KPSB22, LLH+21, LMT+19, LB20, PCSMC12, PGS+22, Pra91, SGMV14, SPSV+20, SGR+22, TAM+13, VVV21, VSP14, WZFW16, WCX+21, WSS15, WFJ+15, WLM07, WPB05, WPHB15, YWUK15, ZL01]. Baseline [JLS+22, EBD+20, MRAP22]. basic [Ken88]. Basin [AAML22, Hic92, HGBG20, IMM+22, KKS+19, LXC+22, MPCNC+19, UB10, AIA+18, BMK12, DSC+19, GBC+00, GPC+03, HMTL05, HS07, HJT+21, JLP+20a, JLP+20b, LBH+21, LH08, MBB+20, MZGA+20, MJA+07, NGLSSG14, PBB+20, PKV18, SSL08, SSI10, SPB+02, SSM+18, SSW+09, TCDP+22, dIPF+15, SSB+14, ABM+05, BSW86, BS95, BPPT19, CPMNC+22, CJ92, GGE+65, Han18, HHW01, HHW22, HKE+10, KZSH85, LMG85, LSV14, LPA02, MHGP06, MD07, NH1+21, Ore69, ÖHU97, Rot65, RKS+15, SBK+05, SPB+12, SE92, TG05, VK92, WWN+99, WRS+92]. Basin-scale [HGBG20, IMM+22, UB10, BMK12, GPC+03, IHT+21, JLP+20a, JLP+20b, MJA+07, NGLSSG14, SSL08]. basin-wide [PKV18, SSM+18, CPMNC+22]. basinal [YNTS22]. basins [BHB+19, BKC15, FWL+15, aHFS92, JIL+19, YSD15, Gor92, WJE+92]. basis [vdS94a]. bassanuss [SWP+13a]. bassin [Rot65]. batch [TGR05].
**batch-dissolution** [TGR05]. **Bathyal**

[SW21, Car98, DMD+00, HFO90, HWBT03, SS03, TPM+00]. **Bathymetric**

[CGM+02, GSSWK20, KKKH14, ACB+13, BHS+15, CMM+04, FBD18, MMP+07, VMB+22b]. **bathymetries** [Pra04]. **bathimetry**

[LW13, STEB16]. **bathypelagic**

[CRC+19, PMFNGQ21, SLOP+22, ZPC+16]. **Bathysquillidae** [MKD90].

**bathytomograph** [Mol22]. **Bay** [CAM06, FB05, HL05, HJLLN07, HPHL+05, KKS+03, KNS+03, LZC05, LWT+20, MSG90, NMK+03, NKK03, OAD22, PHL05, PHIL05, RV5+21, TMY08, TSEF22, USMY86, VG0+08, VK00, ZCFLS0, BL+15, KOHL+10, LDD+22, USH15b, XYK+22, AIA+15, ADV+18, ALT10, BCGN+18, BHLU+07, Bre06, BBTW10, CDS90, CS+12, DBC+18, DPI+18, DPR+18, DHP18, ERT+22, EHG+12, GCD+18, GHL15, GA10, HBV+10, HCDL+21, HPW10, IF+07, JIA+13, JX18, JFUR20, KFK03, LAD+18, LLL+11, LCBN14, LOBG+10, LSIC12, MMR+12, MCG+02, MDF+03, MFM15, MJA+07, MFH86, NP00, NMM90, OMS+09, PMFNGQ21, PGRP+18, RCVGP+16, SN+13, SS03, SH03, SRT+18, TMN+12, TRY+04, TFM03, USH15b, VLUC+07, VDF+20, VJJ+22, VBM21, WCB20a, WPH+10, XWW+21, Ang00]. **Bayesian**

[OWH14]. **bays** [HGI+19]. **BCB** [CQO+15]. **beak** [QSC+15]. **Beach**

[Let87, SCS87]. **Beagle** [CAH+22, ILA21]. **BEAGLE2003**

[AFH+11, KMW1F1]. **beaked** [SGL+18]. **beam** [ON22]. **bearded**

[CQC15, MSC+15]. **Beaufort** [CQO+15, CBB+15, LPF+21, BD18, BPM+14, CPD14, DLL+19, DWC06, FMCG15, GDL+15, HSG+15, KHP+15, LBC+15, MSC+15, NNFL21, OACA20, PSM+22]. **bed** [DXH+02, HHK+02, WAH+20]. **been** [MBK00]. **beer** [GAF15]. **before** [LBH+87]. **behavior**

[CdTH+16, HHP10, JBB+14, PMP+18, PO15, SBLA10, SK17, TNS+05]. **behavioral**

[BFJ+19, BAP+22, KSK+15]. **behavioral-hydrodynamic**

[KSK+15]. **behaviors** [CQO+15]. **behaviour**

[ASC07, BLP+20, BGB+08, DCM16, DMBH10, ESA+13, FDB+21, LSF+17, MKOLA20, NRS+19, RA+05, STC10, STEB16, SMA10b, ST10]. **behavioural** [CQL4+07]. **behind**

[BCC+20, DMT15, LMA+15, OMS+15, SD07]. **belly** [GAF15]. **belongs**

[RK20]. **below** [BHK+19, OT19]. **Beneath** [BHO7, MSL+07]. **benefits**

[BPA+21]. **BENGAL** [BR01, RWD01, JFUR20, MMR+12, MJA+07, MFH86, RV5+21, VJJ+22, VBM21, XWW+21]. **Benguela**

[AHS0, AVK91, AE09, BC91, BHAJ12, CB91, CJMF+91, CS04, DBR03, FUOG+16, GSUC09, HMRB+03, HSC09, HVEF09, HUDL+09, MIW91, NH93, PVMIO91, RBS+09, SE16, SKRM+95, TFM03, TS10, VPS09, Ver91, WP91, ZHW10]. **Benthic**

[BHE+98, BRC+18, Car98, CBL+19, DDDT99, DTW+00, FJA+21, GBB96, HFO90, HG04, JPIP22, LTS013, LGR+02, RBL90, TDH+95, ZHSM14, vWM02a, Aon94k, BMMR19, BTG+03, BD18, CLSP17, CMHM18, CSG+15, CDP14, CTR+19, DL17, DBJ+15, DBR20, FLdST98, GRMB18, GPP22, GvOSW11, GD55, GKW17, GLV12, GEP+08, HLS+14b, IWB+01, JPBB20,
KGdS+08, KLC+15, KRHS14, LJM+16, LRJ+15, MGS09, MKSvA+22, MDR20, MRW+14, NRA+21, OB98, PPHM18, PRC+20, PS98, QSC+15, QOS+22, RGC+01, RCC+18, SS03, SBG16, TAW+15, TSG+04, TvW98, TvG02, VKDS+18, WLP+21, ZCV+19, ZWM+15, vWMH98.

**Benthic/midwater** [RBL+90]. **benthivory** [GBC+15]. **benthonic** [Phl65, Sa165]. **benthopelagic** [BC01, GD85]. **Benthos** [CSR90, GSSWK20, JSB90, RSB+15, RSD+90, VMB+22b]. **bentincki** [CCM+14, SYB+15]. **bergii** [Cra09]. **Bering** [MLP06, ANH21, AHB+07, AT07, BE99, BDC+08, CQO+15, CBB+15, CHB02, CP02, CQ15, DWH+14, FJA+21, FMCG15, GCS06, GTS+21, HKN+14, HOY+21a, HMM+15, HS02, ISM+02, IAFD02, LDAM+07, LCJ+17, LSW02, MSC+15, MRS+02, MOSN+13, Min02, MSS+02, MWFH02, NHN+21, PDAM+15, PST+02, RKS01, RKCH15, iSIS02, SOH21, STHM02, SIS+02, SNMW10, SYN+21, TNY02, WFF+22, WMC+89, WD94, WDC+11, WHI+02, Wo018, YNM+02, ZK06]. **Bering/Chukchi** [WMC+89].

**Bermuda** [Ang79b, SS69]. **Bernard** [CRI+15b]. **better** [CRI+15a]. **between** [ALT10, BLP+20, CCS+21, CRF+10, CBL+19, CQ15, CTI+19, DDD99, DP18, DLD+19, DCL+13a, DL17, FMC+20, GVB+21, GBC+00, GA01, GDM+15, HL05, HJLLN07, HFW+98, HCK01, HBB+17, HLS+14b, HM06, IIS+17, KF11, KKS14, KTIT22, KAK+22b, LSF+17, LDB+02, LHP+05, LOBG+10, LB20, LHC+19, LMP+22, MSC+15, MPV12, MNT+14, MMF+07, MSD+16, MCG+14, MM90, NYH+22, PAM+88, PL09, RFFL21, RLR+18, SMFM+21, SCB+09, SRF+19, Vaa99a, VCM04, VDB+20, VHD03, VHK04, WNN121, WSH15, XC14, YFK21, ZL01, ZSBL00].

**between-region** [MPV12]. **Beyond** [MBH+01]. **BGC** [WCX+21]. **BGC-Argo** [WCX+21]. **Bi** [LDD+22, BCLD+17, OMS+15, RNBP+19]. **Bi-decadal** [LDD+22, OMS+15]. **bi-frequency** [BCLD+17]. **bi-phasic** [RNBP+19]. **bias** [KSK21, MRH+18]. **bibliography** [Ano65f, SMB88]. **Bifurcation** [Sak86, CF07]. **big** [MV+19]. **bigeye** [HLTB+17, HHP+10, LSS+10]. **Bight** [ASC92, BHP+20, BPS22, CB06, DIM09, Epp92, Ham87, He97, HT97, KMMC00, KCI5, KVL06, LLS01, PG10, WFL+22, dFkdlzt17]. **Bill** [SSB+20b]. **billfish** [Mc110]. **Bio** [GNH19, TII+14, BDB+04, BMB+16, HPB+09, KTH+21, PKP14, SWP+13a]. **bio-geographical** [HBP+09]. **Bio-optical** [GNH19, TII+14, BDB+04, BMB+16, KTH+21]. **bio-physical** [PKP14, SWP+13a]. **Bioaccumulation** [ORB+18, FDM+13]. **Bioavailable** [LFBP+13]. **Biochemical** [DPD+00, DDD+00, MPC+17]. **Biodegradation** [RPG+18]. **Biodiversity** [BBRM20, GCLD19, MA20, MFA+15, SS20a, BD19, BHC+18, EBM+20, FAB+09, MDAM+19, MVF+19, NCC+15, RSB+15, SMR+20, SPH+15b, TKC+22]. **Bioenergetic** [GCD+18]. **Bioenergetics** [JSdS+21, LLS01, YWUK15]. **Biofilm** [WST+16]. **Biofilm-like** [WST+16]. **Biogenic** [FTG+11, GTR01, NEI+22, ASAB+14, ABM+14, ABM+15, BT07, CWZ+20, CE84, IU14, LBNBM13, ORW+01, PBP+99, RGC+01, THM+06, TGR05, WGGZ19, WSC+21].
Biogeochemical [CLV+19, DFM+21, HBV+10, HBW17, HWF+21, NBG+05, NMY+14, NYH+22, RGB+17, VPW01, ASFP+03, AH15, BFPS06, BHM+15, BTR+18, FMP+19, FCEZ10, FYYC05, GLF+17, HHR+19, JB15, JLB+08, KKO10, LK13, LRW+15, LSH+22, MMGL+07, MCG+14, PFHM16, PST+15, RBL+19, Smi05, TR99, TWBC+13, TAO05, TDL+17, WSO+13, WHBK05, WL16, XC14, ZDM+20]. biogeochemically [DBRK17].

Biogeochemistry [CP07, KHC+99, NCH+07, CTV+14, Cow05, GCD+99, HM15, KHS+14, PBB+20, PLP+99, SWDV18, SMP+22b].

biogeographic [MB20, SW+21, XLL+20]. Biogeographical [FPY+16, OHC+17]. Biogeography [BC16, MKD90, WP+18, Bol94, BBRM20, DSR21, ERBV21, GdRGC+14, GC09, JAC+12, KA94, OH94, OvdSN94, Sou94a, VWDF14, VFS+15, WGCS13, Whi94, vdS94a, vdS94b].

Biological [CPC+02, HKE+10, JLP+20a, JLP+20b, Seg69, SW22, BB+15, BHM+15, BP+02, BKC15, CW06, CMC+16, CPG08, CLCBB19, CMF15, CEF+13, DRV+22, FDE+22, GdRGC+01, GDI+09, HVRR15, HFW+98, HKPV12, HMKF08, HPPS+06, KYT+16, KCPM09, Law04, Leh01, LBSP01, LSMG01, LSS+09, LHF+16, LHS9, LFBB+13, MMGL+07, MHS+20a, MHS+20b, MKHO96, MJA+07, Ore69, PMCM16, RLT+22, RDD+18, RGI05, RBL90, RGM01, SOS+07, SCD+07, SMP+22a, SMB88, SG91, SDJ14, TDGY22, TCL20, Tur15, WB03, YNM+02, SHK+14]. biologically [BCB+05, KFH+15, MCMT+17]. biologist [Bi01].

Bioluminescence [Har82, BM76, CH07b, FARR+13, HWBT03, Nie07]. biomarker [BSC+19, WPW+14].

biomarker [LSV14, PPCW18]. Biomass [KH09, AGL+15, BMO12, BBRM19, BM07, CCW+18, DDE+95, DDP+00, DAU22, DBJ+15, FGDF04, GWK17, GSSW+20, GBC+15, GAP+16, HVEF09, HG04, ILA21, Igu04, IVT+12, Js6SS+21, KSV+00, KBC+22, KDB95, LLL+11, LAP10, LMC+20, LWBD+17, MIW91, MA12, MMPG07, PD15, PS98, QPR03, SIN+02, SEG22a, SMM+90, WSS15, YMA+17, KVNT20]. biomass-size [QPR03]. Biomass [ERBV21]. Biophysical [LAH10, PDAM+15, CKL+14, KLP+17, MPM+18, SNV+18, VMH+21].

biopros [NBL+20]. bioregions [PGY+22, PYK+15]. biota [RCSA+01].


birds [SPS+99, SHT+01]. Bisagno [CLD22, DSC+19]. Biscay [CAM06, CSC+12, HBV+10, AIA+15, AD+18, ALT10, BCGN+18, BHLU+07, CDS90, DBC+18, DPH+18, DPR+18, DHHP18, ERT+22, GCD+18, GA10, HLD+21, HPW10, IFC+07, LAD+18, LLL+11, LCBN14, LOBG+10, MGS90, NP00, PMFNGQ21, PGR+18, RCSVGP+16, SRT+18, VLU+07, V9K90, VDB+20, WP+10]. BIT [SMN+14]. Bivalve [Kam19, RvBD+22]. bivalves [AS96, BLES16, LDH90]. Bivalvia [RVC+13].

Black [WFD+07, MNFY21, FBS+18, GRS08, KBSB18, KAG+19, LDMH09, MCKS17, MSGGM18, ÖÜT93, SÖÜ94b, SI97, Tol85a, Tol85b]. Black-legged [WFD+07]. Blanc [FRK+09, NIF+15]. Blanes
Ano22m, Ano22n, Ano22o, Ano22p, Ano22q, Ano22d, Ano22e, Ano22f, Ano22g, Ano22h, Ano22i, Ano22j, Ano22k, Ano22l, Ano18d, Ano18e, Ano18f, Ano18g, Ano18h, Ano18i, Ano19b, Ano19c, Ano19d, Ano13c, Ano13d, Ano13e, Ano13f, Ano17i, Ano17j, Ano17k, Ano17l, Ano08k, Ano08l, Ano08m, Ano09a, Ano09b, Ano09c, Ano09d, Ano09e, Ano09f, Ano09g, Ano10c, Ano10d, Ano10e, Ano10f, Ano10g, Ano10h, Ano10i, Ano11a, Ano11b, Ano11c, Ano11d, Ano11e, Ano11f, Ano12a, Ano12b, Ano12c, Ano12d], Board [Ano12e, Ano12f, Ano12g, Ano12h, Ano12i, Ano12j, Ano13a, Ano13b, Ano13c, Ano13d, Ano13e, Ano13f, Ano17i, Ano17j, Ano17k, Ano18b, Ano18c, Ano18d, Ano18e, Ano18f, Ano18g, Ano18h, Ano18i, Ano19b, Ano19c, Ano19d, Ano19e, Ano19f, Ano19g, Ano19h, Ano19i, Ano20c, Ano20d, Ano20e, Ano20f, Ano20g, Ano20h, Ano20i, Ano20j, Ano20k, Ano20l, Ano21d, Ano21e, Ano21f, Ano21g, Ano21h, Ano21i, Ano21j, Ano21k, Ano21l, Ano21m, Ano22c, Ano22d, Ano22e, Ano22f, Ano22g, Ano22h, Ano22i, Ano22j, Ano22k, Ano22l, Ano22m, Ano22n, Ano22o, Ano22p, Ano22q], bodies [IST+88]. body [BFV+17, GDL+15, HSB+15, HBG+21, IAFD02, MMPG07, SE92, VDB+20]. BOFS [STB+92]. Bohai [LSXT01, LW13, SW12, YSY+19]. bomb [KMWF11]. bomb-produced [KMWF11]. Bonelliida [GS19]. Bongo [JF13]. Book [Ang79a, Ang80, Ang88, Bak83, Hof81, SW81]. bord [Ber65c]. Borderland [Gor92]. boreal [LNBI3]. Boreogadus [BF11, KSG+17, VMH+21]. bares [HNSP+19]. boring [RVC+13]. borne [SGR+22]. Bornholm [SPB+12]. both [Kit03, WWL+22]. bottleose [LPV+18]. bottles [MK86]. Bottom [DJW+18, dCFK17, HS22, MLPN06, OJB99, PSA+19, SPN98, SIB+06, YYF+22]. Zen08, AH10, AR18, AF10, ASB+08, BVJE19, BSF95, CML+16, CB06, CHB02, ESTM+12, ESTM13, FC07, FFA06, FWL+15, Gam14, Hop64, HWB+18, HM06, KKS+19, LTG85, LL97, LYS+22, MM80, PPSV+18, PAB+21, PdMS+13, RKK+21, VK90,
Calanoïdes
\[\text{AVK91, C\'AM06, Ver91}.\] Calanus [BMK12, BTKN13, BRH+05, BMS+21a, CÃM06, DWF+19, DBM17, GHF+21, GPC+03, HHY03, HMP+13, HRA+08, HBR11, HE07, JAC+12, JC04, KHP+18, LPHL+05b, MMG+13, MAH+15, MRH+14, NMN08, PD15, PHLL05, PLHLF05, SDH+14, SAB+21, SBE+20, TPH21, UB10, WBP+08, WBC+22, WSH15]. calcareaux [Gal17].
calcification [KLIRK17, Kru19, ZCD08], calcified [BKH+19]. calcifying [GBS+19]. Calcium [Wis65]. CalCOFI [Reb02]. Calculating [GPG+19].
Calculation [YJW88, K au86, YJ88, ZPY+20]. calculations [Tur65].
Caledonia [CKL+14]. calibrate [iYO+10, ORVES17]. calibration [HM00b, SBH+14].

California
\[\text{ASC92, Ban65, BGM+10, DIM09, DLJ+21, Dur09, Epp92, FFA06, KMM09, KC15, LLS01, MPC+17, OBD+20, PBB+22, PO15, RBE+12, SRFHD22, AAML22, AH10, ARG11, ABP15, BB14, BWB+09, BL02, BM86, CCW+02, CPC+02, CB09, CCA+02, CCD+13, DFM+21, DW02, DBBP15, DB02, ESTM+12, FELM+22, FSAO22, FWO15, FRCH15, FMC+20, FWBC02, GMD+22, Gor92, HSMLDC+22, Hau84, Hic79, HW02, hHRW+05, Huy83, HSF02, JE92, JSA+08, JOGM+10, JC04, KHL12, KSD84, Kos02, KC02, LOG+09, LJPCC02, LO07, Lav09, LAA12, LO21, LPB15, LCANAS+07, LCPSMR+10, LB02, MS02, MAB+11a, MAN+11b, MJ+17, MCT03, NMLBCM+01, PEEA18, PK02, PBS22, REG+15, ROBR+22, RMK+21, RB20, RFC+15, RTD17, RN02, SCHA+22, San15, SGMV+14, SSS+11, SFS+12, SDK84, Sim84, SKHD84, SHT+01, STGR+14]. California

\[\text{TBW09, VK92, Ven12, WFBN+13, WDMC02, WRS+92}.\]_californicus [STS+12]. call [Jac10]. Calvi [GHL15]. calycophoran [LSC12].
Calyptogena [AB90]. camera [TSAM+22]. Can [CRS04, LPHL+05a, Mau17, QSC+15, RCD+94, ScV04, TDL+17, RSG06, WLFJ+15].
Canada
\[\text{CMHM18, GDM+15, BBSN04, DLM91, EHG+12, FDM+13, GKS+13, HGD22, HKE+10, LC10, Man69, MPN09, PM13, Rhbs13, STF+13, TSC03, VSGD21}.\] Canadian
\[\text{CML+16, EHS12, MIH06, WSL20, WTH12}.\] Canal [Ore69].
CANALES [PLJR22]. Canaria [Ano09h]. Canaries
\[\text{GMMAB04, RHM09, RBLA04}.\] Canary [BAM09, GAV+09, AAM+14, ABAS+09, AGL+15, BAT+98, BA04, BATPN04, BFR13, HGLA07, KZSH85, MHGP06, SGWF+19, SFMA20, SLE+13, SAD+17].
Cantabrian
\[\text{CSV+07, CÃM06, RSVCG+16}.\] Canyon
\[\text{AHA+16, CLSD18, CMHM18, DJW+18, DOS+18, EvdZSH02, LFP+21, LPB17, LRGV+18, AHD18, CHG+18, CFM+18, CJRA+13, CQZ+18, ChSB+21, CVHM+18, CRC+19, DCL+13b, FVA+19, FBR+13, GCF+19, GBB+20, GIPG17, HDM19, IVR+13, JOBT05, KCL+12, KFC+13, LFCSV+13, MRH+18, PGLG+05, PRC+20, RCC+18, RCF+13, RCSVGP+16, SCB+09, ZFSV+09, ASFB+13, ACL+18, CFML22, EVM+15, JFEC13, KGDs+08, LFP+20, LFBP+13, PSP+18, PPSV+13, PGGG17, PRA+18, SCC+19}.\] canyon-slope [IVR+13]. Canyons
\[\text{MRH+18, BFP+18, BRC+18, BD19, Bower5, CCM+13, CDL19, CLD22, CTR+19, DP18, DSC+19, DAU22, FBD18, FTS+19}.\]
[CCA+02, HDM19, HLTB+17, LBSP01, PGC+96, Tom81a, VDDA+08, AMEV07, AMG+16, Ang79b, AT07, BB14, BD18, BM07, BCP09, CCW+02, CTF07, CGC+20, CPC+02, CBM+21, CFML22, CFG07, CF12, ES07, EHG+07, EM12, FC07, FP03, FGDF04, FWBC02, GMBU12, GSP+20, GRS08, GEP+08, HSLM+22, HE07, HEF+12, HKY+11, HHP10, IAFD02, KFK03, KW20, KP03, KNS+03, KC02, LC12, LQ07, LDHW20, MER+12, MME+16, MRF+12, MWFH02, MGH+07, MTH+10, MHCR+12, MA12, MSL+07, OWR+07, Oawan18, PSCM12, PAM+88, PKF02, PCC+19, RM03, RFSCF19, RMG90, RBNJ+12, RBPGJ+20, RCSVG+16, RN02, SLM+16, SFS+12, SDGV+17, SPB+12, SS03, SGO+08, SBD+07, SSL07, Soh03, SMPC+12, STGR+14, T FY02, TCF+18, gWjNfLyD20, WJP+15, YNM+02, YCP+12, YFY+22, BM86, BASS+20, DLM+12].

Central [SCC+19]. central-south [SDGV+17]. central-southern

[EHG+07, EM12, HE07, HEF+12, MER+12, MRF+12, MTH+10, MHCR+12, MA12, MSL+07, RFSCF19, RBNJ+12, SLM+16, SMPC+12].

central/southern [Eso7, MME+16]. Centropages

[ASC07, BLHB07, BHLU+07, CCG07, CH07b, CBHL07, DK07, GTB07, HE07, IMHL07, MCD+07]. Century [ALV+21, BDLW14, DML+16, HM07, LSW02, MWS+10, RD11, TLP+16, WBI15]. Cephalaspidea [CES+19].

Cephalopod [KQP+17, OÁG+16, RAG+19]. certain [BM76]. Cetacean [MWFH02, BCM+02, MCD+14]. cetaceans [BPF06, BGA+21, SRT+18].

CFCs [JJA+08, MBB+96]. chaetognath [FB05, MMN12]. chaetognaths [GSC+20]. chain [SOH21]. chalcogramma [MLPN06, YNM+02].

chalcogrammus [GTS+21]. Challenges [HAA+14, CCM+13, LCANAS+07, MPC12, RD+07, VHL+21, WMB+18, Ys07a]. chamber [TDH+95, TSG+04]. chambers [TSG+04]. Change

[BK08, HSG+15, WNN21, AT07, ADV+18, BM01, BBR+01, BDE03, BHS09, CDM+21, CM11, Con87, DPCS87, Dri11, DRR20, FDH20, HRS08, HGB+21, HSH+19, HWLT10, HSC+16, HS02, KKK4a, KA94, LAHI10, LHW+20, MC10, MN06, MCB+10, NDEG22, NKK03, NPO+19, OVG16, ORPRG12, PYK15, PG10, Reb02, RK03a, RAB+11, SRFH122, SYB+15, SAY+16, SON+20, SHF01, SG+18, SCS87, SHT+01, STGR+14, WFD+07, Was11, WHBW03, WBD+15, WJP+15, dJHRA+18]. changed [LBH+21]. Changes

[ABSD07, BCM+02, CMJP+18, CCA+02, HPHW21, JLRB20, KKB00, KF11, LF12, LSW02, MWS+10, PBB+20, PO15, RBE+12, TWY08, Ven12, AMFY20, ABE+15, AVG+19, BAM+09, BDLW14, BMG+21a, Bro82, CGV13a, CJMO87, CGM+02, CMF+09, CGC+20, CBOP15, CBM+21, CS04, DMD+00, DTD00, DDD+00, DMT15, DSB+18, DLM+96, DLY+15, DFM+09, ERT+22, ESGP17, FGS+15, FC07, FGH03, FFS+20, FMSBW13, GSV+01, GMDD+22a, GMD+22, GGA+05, GW89, HVR15, IR+13, JTQ+18, JSdSS+21, JKBB97, KBE+22, KOB+10, KRHS14, LRRK99, LDD+22, LXC+22, LWY+07, LDH09, MMG+13, MKB00, MME+16, Med87, MCRG07, MSGM18, Min02, MIW91, Nag01, Ola65b, PVG+20, PRTC13, PBO10, Pir87, PBN13, RMC+15]
SMR+20, SKSK06, SC65, SJH+90, SMKK21, SKH00, TKW06, THP21, VDB+20, Whe93, WHBW03, Wil65, XYK+22, YNM+02, Yas07b, Yas07c.

changes [FYF05, ZWM+15]. Changing
[LCPSMR+10, MGE+12, Tol85a, Tol85b, Yas07a, BRG+15, BHM+15, IGG+19, JPIP22, JLS+22, KLIRK17, Kru19, LRW+15, LSH+11, LRJ+15, MTC14, MHH+15, NGPH10, TAM+15, Tur99, Val99a, Val99b, Ven12].

Changjiang [Ken88, ZLR+07, ZCH+17]. Channel
[ALT10, CAH+22, FWO15, ILA21, SPSR+14, SRFHDH22, SAW+15, CFM+18, CTD+19, MKM86, MWO+12, AHW99, BTS+15a, BTS+15b, BLCL14, BHLU+07, GCD+18, GGA+16, GGG+18, GGS+20, HO07, KM10, LSD+15, MAH+15, OAB+16, PSM+15, RMC+15, SGA+19, STW+15, TAW+15, TB15]. channels [ABC+99, CCM+14, PMA+14, PLJR22]. Chaos [OAM00].

Characterisation [BER65b]. character [TI90]. Characterisation
[JM+13, ASR+20, CPHR98, CLG+22]. characterises [MB01].

Characteristics
[AS88, BH07, LW85, LEDR+22, ABC+99, CDB+22, CQO+15, GBB96, GBC+15, HFFS+06, Igu04, ML90, NHG19, NBR+08, Par86, PO15, SWP+13a, SSL16, SRG+19, STR01, WBB+01, YPM+10, ZKT88, ZLX+20].

Characterization [AQVB+10, BZD+21, BSC+07, CFM+18, KTH+21, LLD14, NIC+19, QLY+22, BGR+15, GMBU12, MCGS+16, YT06].

characterize [GNH19, LGL+18, SMHH19, PYKF15, SW22].

Characterizing [AH15, LLH+20, Fla02]. charts [PSK96], chaude [Ber65b].

Checklist [OT19]. Chemical [BC91, BD85, CPHR98, Sim84, CPC+02, FW91, GTR01, Hey78, ILA21, KSR+01, KKS+19, WNN21, YT06].

chemicals [Bon88]. chemistry
[BRG+15, BSW66, Bro82, GLL22, Har82, MLB+20, PST+02].

chemosynthetic [MSV+14, MCGS+16, ZHSMM14]. Chemotaxonomy
[LMT+19]. Chemotaxonomy-based [LMT+19]. Chesapeake
[OX, WCB20a]. Chile
[AMG+16, CRHM12, GGG07, AMEV07, ACN01, BBW+09, BM07, CTF07, CGC+20, CPNO7, CF07, CF12, DLMD+12, ES07, EHG+07, EM12, EHD12, FC07, FAAV+15, GMBU12, GK+14, GMAB07, GDI+09, HE07, HEF+12, IVT+12, LC12, LQ07, MEB12, MME16, MS02, MMF+12, MGH+07, MTH+10, MHC+12, MA12, MSL+07, MDL+12, MCGS+16, OAWAN18, PCSMC12, PAM+88, RFSCF19, RBL+19, RBNJ+12, RBPGJ+20, SLM+16, SLG+12, SDGVE17, SYB+15, SAY+16, SBD+07, SSL07, SMPC+12, SJM+19, VOG+08, VGG12, YBS+01, YPG+10, YCP+12, ZHSMM14].

Chilean
[BN, MS+14, MRR+14, CCM+14, CTI+19, FCN+19, GCD+13, IPD14, JTD+14, LC12, MVBC+21, QOS+22, SV14, VLLLCP14].

chilensis [HE07]. chimney [TI90]. China
[CGL+20, CWZ+20, CSMW96, CLX+20, Cho86, DFC+21, DL17, DGH+20, DHL+21, FZ88, GCCY+14, GC14, HOY+21b, HPZC21, HSH97, HHZ+22, HWF+21, KHM+88, L14, LYZ16, LGZ+20, LBB+21, LYS+22, LC16, LCJ+07, LLH+20, LGH+21, LGD+20, MXC+21, MLL+22, MH14, MKS+22, NXY15, QLW10, QLY+22,
RI86, RDC+21, SSTL16, SW12, TM13, WGZZ19, gWjNfLyD20, WST+21, WL16, WZC20, XWL+18, XLX+20, XHC+20, YKS+12, YMI88, YGC+21, Yao88, YJS86, YJ88, Yux88, ZLR+07, ZG19, ZZPL18, ZDG+21, ZDM+20, ZSY+22, ZZWL06, ZSW+22, ITM86, LNZC05, LW13, YSY+19, ZKT88.

Chinese [SPWH21]. Chinook [BL02, CCS+21, DlQJ21]. Chionoecetes [MGKW19, RKCH15]. chlorofluorocarbons [Sme93]. Chlorophyll [Ep92, PHKS17, ABS+20, BMK12, Ban96, BMGN15, BBL+18, BDLW14, CRHM12, CW02, EALF08, EBT+14, FPIJ85, FYC90, HSMLDC+22, HZC16, HJLLN07, ILA21, LHE+13, LFI+13, LW13, LHC+19, MHGGS19, MVC+11, MHG+07, NM17, PLHLF05, PHKS01, SNR+10, SMGL01, STW+15, SLH+19, TBW09, VDS+18, WM13, WDMC02, WQ08, XHW+20, XWW+21, YLY+04, YKS+12]. chromatophore [BL02, CCS+21, DIQJ21]. Chionoecetes [MGKW19, RKCH15]. chlorofluorocarbons [Sme93]. Chlorophyll [Ep92, PHKS17, ABS+20, BMK12, Ban96, BMGN15, BBL+18, BDLW14, CRHM12, CW02, EALF08, EBT+14, FPIJ85, FYC90, HSMLDC+22, HZC16, HJLLN07, ILA21, LHE+13, LFI+13, LW13, LHC+19, MHGGS19, MVC+11, MHG+07, NM17, PLHLF05, PHKS01, SNR+10, SMGL01, STW+15, SLH+19, TBW09, VDS+18, WM13, WDMC02, WQ08, XHW+20, XWW+21, YLY+04, YKS+12]. choice [VBL04]. chromatic [´ALC22]. chromophoric [CMPNC+22, GF19, HOY+21a, RFSCF19]. Chronology [CFC+18, SCMAR+99]. chronometers [Coo65]. chub [ABE+15, GiIKX22, TMAGC+21]. Chukchi [CQO+15, CBB+15, OACA20, APC+21, BSC+19, BDG+17, CP17, CQCI5, DWH+14, FJA+21, FMC+15, GCF+06, HOY+21a, HKE+10, KFH+15, LCI+17, LPS+19, LPBM17, LBC+15, LDHW15, MSC+15, OPL+21, PST+02, SYN+21, WMC+89, WD94]. chum [SKSK06, YWUK15]. ciliate [DRVMC+22, JYK+14]. CINCS [GCZ+00, TP00]. circuits [BLP+20]. Circulation [CTL+04, CGZ+16, DIM09, DWC06, Fuk91, GCS91, Has06, Hic92, HHP06, Hut95, JS90, LPS+19, LPF+20, LWL87, Mit91, ON05, OJB99, OHU89, PMC21, RKS+15, TMP+16b, TMPM+16a, WBB+01, ASFB+13, ABM+05, AGS10, Arb22, APHGCl+22, ABC+99, ARG11, BAAR05, BLT+15, BPPHC+11, BLP+20, BMC+05, BS+94, BMG+21a, Bum73, CGL+20, CPG+18, CSW96, Chie14, CD07, CM18a, CCH+12, CGD+22, DML+16, DWH+14, Dea85, DGMM85, DSC+21, EMU21, FWO15, FMP19, GWB14, GSPP+20, GR85, GCZ+00, HMTL05, Ham90, Hon18, Hen85, HDHS02, HGT+19, HT97, HWB+18, KK20, KRL08, Kes06, KA85, LW85, LC16, LGH+21, LO85, Mac98, MMR+09, MRRC73, MRMD+97, MEMP15, MFS+16a, MFS+16b, MBK+08, MLS+15, MB07, MJ+17, MEMC05, MW96, NDEG22, NTU+14, NGLSSG14, No00, ORCH+19, OAB+16, OPL+21]. circulation [Owe91, PGLG+05, PS91, PPK+95, PTG95, PLJR22, PP85, PGC+96, PFE+10, Rea00, RBS+20, RBS+22, Rei86, Rei89, Rei94, Rei97, Rei03, RCB+20, Ric08, RM89, Roo82, Rud15, SCPN15, STEB16, SOB+08, SFMT12, SFMT14, SM01, SDS02, SDDS22a, Sek86, Sek99, SZG06, SBLA10, SSM+18, SON+20, Sme93, Ste91, SJ02c, SJ02b, SJM+19, Suk88, SMP07, SCB+16, Tal08, TRY+04, TBK+99, TAO05, Tsa86, TAH+11, VNMS81, VAGDMRS22, WLD+15, WSL20, Wen88, WSO01, WBH15, WTH12, WG82, YGC+21, YJS86, ZSW+22, MSJ+15]. Circulation-ice [WSL20].
circulations [HNR+17, IHT+21, MMF+07]. Circum [BF11]. Circum-arctic [BF11]. circumglobal [GBG05]. Circumpolar [BH5, CPO+19, CdD+15, CP07, TFZS14]. CITHER [GA00]. City [Let87]. cladocerans [KOT+21]. clam [YAK13]. Clarion [SLBH+19, SLPA+20, JSLA+21, RMG90]. Clarion-Clipperton [RMG90]. clarity [RKK+21]. class [DFH+16, DHB+21, SAB+22, YFK21]. classes [CPPPEAG22, LBH+21, LLX+21, Peini03b, PS98]. Clas [vRGW10]. Classification [WR00, CTP+18, DHB+21, LC10, MMF+17]. Claus [GBG05]. Clausocalanus [PMH17]. Clay [ORR+02, Tur65]. Climate [APC+12, BK08, BGL+17, CBC+06, CP02, DAvD+20, DAIS10, Durl09, FHG03, HS02, LS15, MLL+22, MHTG10, MCB+10, OAV+05, PL01, PCH08a, RB20, SHC+01, YBS+01, ZK06, BM01, BMG13, Bre08, BDC+08, CDTM+21, Cai95, CAT+08, CB17, DL69, Don94, DMF+13, dMar09, McK08, McK09, MNN06, MS00, MCV+19, NDEG22, NPGH10, ORPRG12, OWH14, PRTC13, PDAM+15, PCR+22, QLS10, RFFL21, ROK3a, RAB+11, RK+10, SLM+16, SSVP00, SMMG02, SSK06, SRFHHD22, Sha82, STJ+14, SYB+15, SAY+16, SDH+14, SON+20, SHF01, SAB+22, SKH00, SPTK01]. Climate [STGR+14, TKV06, TLH+15, TLX+16, TAO05, TSH+17, TSLC07, THM+14, WAH+20, WAS11, WJPHB15, WWSJ07, dIHRA+18, LM10]. Climate-driven [RB20, PRTC13]. Climate-forcing [ZK06]. Climate-induced [MLL+22]. Climate-related [CP02, PCH08a]. climates [HMH+15]. Climatic [AVC+19, CD65, CM14b, FHG03, ZK00, BGM+99, CMF+09, CS03, Don65, Don87, Kaz17, Kra82, KRL+22, Med87, Ola65b, SNZ+20, WHL+02, XLY+22, YAK+08, dMGS+11b, dMGS+11a]. Climatological [Obi65a, SK18, CPG+18, KOS05, Mor10]. climatologically [CGMP14]. climatologically-based [CGMP14]. Climatology [DLH+21, TBWC+13, Cai95, CMHM18, HM08, KC15, LOC95, MW06, RZTD17, SKH00, WC15]. CLIOTOP [LM10, An10b, LM10]. Clipperton [JSLA+21, SLBH+19, SLPA+20, RMG90]. Closing [MHA+11]. closure [HMH+15]. closures [JOGM+10]. cloud [WM13]. cloud-free [WM13]. Clumsy [KN10, KN11]. Clupea [GBT+19, Nag01, STF+13]. clupeoids [EBvdL+09]. CO [LGG18, RGC+16, SPK+19, ZDG+21, BL02, HLR17, SOWS17, BK19, BF01, CPK+20, CPG+18, CKM+21, EHS12, FGS+15, GDSCU09, GSF+15, GLBB22, LM00, LGZ+20, ILDZQ+22, MKOLA20, OKdA+19, PPKR14, RVS+21, TST+17, TAM+15, WD94, WBA+22, WST+16, WR03]. Co-Editors [WR03]. co-limitation [HLR17]. co-occurrence [SOWS17]. co-variability [BL02]. coalescence [WF17]. coast [BFH01, BBSN04, BSC+07, BM86, Bum73, CJMO87, CBB+02, CdTH+16, CCHM02, CLB+14, Con87, CJG88, DLM91, Eme65, FB01, FGGDF+04,
Coastal [BLT+15, CWW15, FW015, HMP+13, HFO+22, Huy83, JS87, KMMC09, KC15, KTW+22, Pal20, RMHL09, SBD+07, SP08, W17, XLL+20, ZJZ+21, AIA+22, AR18, ÅSFT+03, AAM+14, AMG+16, AJHC19, BTS+15b, BA04, BEP02, BMC17, BPBG+11, BCM+02, BFI18, BPMD+14, BPMD+20, BHLU+07, BMG+21b, Bri83, BLMR+20, BCG+08, CN22, CDH+13, CMO07, CTFT07, CSS+21, CBB+18, CCS+21, CGD+18, CNSHT15, CM14b, DLM+12, DNNN16, DWC06, ESTM13, ES07, EHG+07, EM12, EHF12, EHS112, FC07, FTS21, FAV+15, FELI16, FTG+18, FLUC08, FAH+13, GMBU12, GCCY+14, GMAM04, GAV+09, GCB+22, GLF+17, GEO09, HSS+12, HHDS02, HLA07, HYM+12, HEF+12, HSF02, ILI+12, JTQ+18, JAS+20, JIA+17, JHW+14, KCPM09, KOhL+10, KLC+15, KRL+22, LOG+09, LDB+02, LDD+22, LSB+17, LSD+18, LLG021].

cosmic [MERB12, MGu02, MBCB88, MDG+12, MFHD22, MG+18, Mit83, MM+12, MKLA20, MDC+07, MGH+07, MTH+10, MA12, NIS+14, NT+17, NF+15, OBo3, OAAN018, OAD22, PA+88, PK02, PD15, PAVB+21, RCCG+16, RNBP+19, RTTR+22, RF17, RÁS+13, RR01, RM01, SCHB+22, SRF+19, SAY+16, SH01, SMPC+12, SA+17, SPV+15, SCB+16, SCS87, Tol85a, Tol85b, TMKJ+09, USH15b, VSGC21, VDS+18, VVV21, VSPP14, WM13, WD94, WLL+22, WZFW16, WFS+15, WH99, YNTS22, YS+19, Yos80, ZD17, vFB82].
cosmical [YSY+19].
cosmic [KRL+22].
cosmology [HW02].
cosmics [CB17].
colds [HAA+14, Man69].
coldal [SWT+17].
Coccolith [PGR+18].
Coccolith-derived [PGR+18].
Coccolithophore [KLIRK17, PHCA17, BRG+15, GBB+19, HBB+10, ISM+02, LCGH07, LSW+21, OVGI16, VH+12, Kru19].
coccolithophores [MPD+22].
coccolithophorid [WPW+14].
Coccoliths [MBP65].
Cod [HMA18, AHF19, BF11, BGL+17, BHMS09, Dol09, FKH+13, HLP+16, HvDL+17, HCGK11, KSG+17, LHC+21, LNB13, MHTG10, RKC+10, SLY+15, Tit20, VMH+21].
CODAR [SCB+16].
cecoexisting [SM16].
Coherence [LO07, FBS22].
Coherent [MMF+17, NO14, CDDF11, MBS20].
Cohoh [AHC+13, BL02, IOGS13].
Cohort [SFSP21].
Cold [CS18, GLV12, YMK+04, ALG+21, BBl+14, CVHM+18, CLG+22, FVA+19, GTS+21, HGD22, HHH+09, HDB13, JFG+90, KIL14, LRGV+18, LWT+20, MCB+90, MSGM18, MRW+14, MSV+14, OSH+96, SOWS17, SDB+21, TAF+22, VGJ+19, vHMDL14, Cia22].
cold-pool [GTS+21].
cold-spells [SOWS17, SDB+21].
cold-water [ALG+21, CVHM+18, CLG+22, FVA+19, LRGV+18, MRW+14, TAF+22, VGJ+19, vHMDL14].
colder [HMH07].
collaboration [KY15].
collaborative [BN03].
collapse
[BHMS09, DTC+06, LNB13, SGLF+13]. collected
[MM80, SKF20, UKK+19]. collection [MLL+15]. collective [YSD15].
Collins [Ang80]. Collisions [WF17]. Cololabis [OOTA15, XYL+22].
colonial [SIB+06]. colonization [TAF+22]. colonizing [KSN21]. Color
[KKS+19, BPGD+14, McK15, WMB+18]. colour
[BBE+15, HHMB+09, KPSB17]. Columbia
[CMHM18, FDM+13, GKS+13, GDM+15, LC10, RHBS13, STF+13, TSC03,
BJ90, CM14b, EK106, Ham90, JS90, JGS90, JSHB90, LMH+13, MB01,
PMC16, SJH+90, SC90, SSM90a, SSM+90b, SMM+90, SL13]. column
[CWZ+20, FTSF21, FK86, Her88, HG+19, JIL+19, LPA92, NMM+03,
NKK03, PPCW18, SDGVE17, STL16, SMM+22b, SBD+07, SYN+21,
TL1+17]. Comau [MSV+14, ZHSM14]. Combined
[STE16, SLY+15, LSV14]. Combining
[CDP14, CR+15a, LGL+18, WFS+15, TM13]. metabolism [Sir88].
comment [Ano87d]. Comments [dZT05, GMB+01]. commercial
[SEG+22b]. Common
[MS02, CCM+14, FDB+21, SGL+18, SYB+15, TTMM+17]. commonalities
[LSS+09]. commons [LPF+18]. Communities
[HKG+06, ACE+07, AAM+14, Ang89, Ano94k, AUE+14, BAMP+9, BJMP19,
BJMP20, BLF93, CDS90, CWB+22, Car98, CQZ+18, CMH18, CGD+18,
DAU22, DHHP18, FBR+13, FSAO22, FPY+16, GdRGC+14, GAPM16, HM90,
HCO92, IG9, KM10, KZ+19, KIJ+10, LT06, LDB+02, Law04, LMH+13,
LMJ+19, LEDR+22, LBC+15, Lon85, MCGR07, MSMH19, MSV+14, Nie07,
OSH+96, PELAA18, QOS+22, RLP+18, RASG+13, SPSV+20, SOH9, TCL20,
VPM+19, VKDS+18, wJnFLyD20, XLL+14, ZPC+16].
Community [CML+16, CSV+07, GPP22, INT14, JS90, Kos93,
LdCSB+20, MMS16, TSC22, AMFY20, AMG+16, Ang79b, Ang84,
AJHC19, ABT+04, BKD+20, BJF18, BOW+09, BAO+12, BLES16,
CRGA17, CSLD18, CC88, CS90, CBM+21, CKT+13, Dag93, DDK+18,
DSR21, Dom84, DRR20, EHF12, EHG+12, FARL+13, FFS+20, FLST98,
FHM02, FPS+09, GSFP+09, GMDD+22b, GASV+09, GWM+22, GHVG19,
GvOSW11, GGQ07, GVHD+13, HBB+01, HGBG20, HLD+21, hHRW+05,
HG04, IBW+01, JTQ+18, JYK+14, JFG+90, KP03, KOIL+10, KRHS14,
LG9+93, Law04, LdSH+15, LSD+15, MT99, MG02, MERB12, MCG+02,
MTC+14, MDR20, MK+22, PGY+22, PCLM11, PJH+15, PBS22, Pug84,
QSC+15, RGP+18, RBN+12, RBPGJ+20, RBLH14, RAB+84, Roe84a,
Roe84b, RB84, RJT+84, RF17, RLR+18, SSB19, SNZ+20, SBB+22, STW+15,
SWZ+21, SST+17, SPWH21, TAW+15, TSK08, TK06]. community
[TPP+00, VH+12, VMC+19, WFM+22, WMWR08, XYK+22, XHW+20,
YPVP+22, ZCV+19, ZLX+20, ZSBL00]. Comparability [LB20, BCF+03].
Comparative
[Ano09h, BHLU+07, DM13, MLM09, MLHM09, THM+14, BHMS09, CRF+10,
FBA09, GRDS10, HBL+13, Hey78, HSC+16, Mil88, VPS09, VCM04].
compare [BBE+15, KJH+10]. compared [FHM02, ROBRB+22]. compares

complexity

[Den⁰³, HVS¹⁰, KKO¹⁰, MFS⁺¹⁶a, MFS⁺¹⁶b, MCH⁺¹², RSG⁰⁶]. complicated [Sie⁸⁸]. component

[Ang⁸⁴, CDDF¹¹, CP⁺¹⁰, LLX⁺²¹, MKHO⁹⁶]. components

[FMC⁺¹⁵, HKGH⁺⁰⁶, HvdLS⁺⁰⁹, KKB⁰⁰, MLD⁺⁰³, McC⁹², MMF⁺¹², ML⁰⁹, MGH⁺⁰⁷, SG⁹¹, Tal⁰⁸]. Composition [GIPG¹⁷, JFG⁺⁰⁹, PGT⁺¹³, ABS⁺⁰⁷, AJHC¹⁹, BS⁹⁰, BHH⁺¹⁵, BJMP⁺¹⁹, BJMP⁺²⁰, BAOM⁺¹², BJI⁰⁰, CSR⁹⁰, CMF⁺⁰⁹, CCW⁺¹⁸, DEE⁺⁹⁵, DDP⁺⁰⁰, DMD⁺⁰⁰, DDD⁺⁰⁰, FMC⁺¹⁵, FMH⁺⁰², FEL⁺¹⁶, FTHK¹⁹, GAV⁺⁰⁹, GVK⁺¹³, HCAF⁺²⁰, Hey⁷⁸, HWL⁺²⁰, HBH⁺¹⁷, HVEF⁺⁰⁹, JLRB⁺²⁰, Kamb⁺⁰¹, KT⁺⁰⁴, KKS⁺¹⁹, Law⁺⁰⁴, LSB⁺¹⁷, LSD⁺¹⁸, LXC⁺²², LdSH⁺¹⁵, MG⁺⁰², MCG⁺⁰², MFDH⁺²², MWS⁺¹⁰, NKK⁺⁰⁵, PVM⁺²⁰, PPH⁺¹⁸, PGY⁺²², PD⁺¹⁵, RCS⁺¹¹, RCB⁺²⁰, RBPG⁺²⁰, RFI⁺¹⁷, SSB⁺¹⁹, SM⁺²¹, SBB⁺²², SPWH⁺²¹, SHT⁺⁰¹, TB⁺¹³, TPT⁺⁰⁰, VMC⁺¹⁹, YMA⁺¹⁷]. Compositional

[RBL⁺¹⁹, VM⁺⁰⁴]. compounds [AB⁺⁹⁰, FK⁺⁸⁶, LF⁺³⁺¹⁺, NEI⁺²², SGL⁺¹³]. comprehensive [BH⁺¹⁶, CW⁺⁰⁶]. compressibility [Due⁷⁷]. computation [FM⁺⁸⁵]. concentration [ABS⁺²⁰, BM⁺¹⁷, FR⁺¹⁹, LT⁺¹⁵, MSC⁺¹⁵, MVC⁺¹¹, N⁺¹⁷, SNR⁺¹⁰, UN⁺¹⁴, VK⁺⁰⁹, WA⁺²⁰, Wil⁺⁵, YI⁺⁰⁴]. concentrations

[AB⁺¹⁵, Ban⁺⁹⁶, BK⁺¹⁹, IHT⁺²¹, KT⁺¹⁴, L⁺²², PL⁺⁰⁵, RN⁺¹³, SM⁺⁰⁵, SK⁺⁹⁹, TB⁺⁰⁹, WM⁺¹³, Whe⁺⁹³, WJE⁺⁹²]. Concepción [AME⁺⁰⁷, AMG⁺¹⁶, BM⁺⁰⁷, CPN⁺⁰¹, DLM⁺¹², GQA⁺⁰⁷, GM⁺⁰⁷, IV⁺¹², MDC⁺⁰⁷, MGH⁺⁰⁷, MA⁺¹², MSL⁺⁰⁷, MDL⁺¹², SLG⁺¹²]. concept [BR⁺¹⁵, BMG⁺¹³, CW⁺¹⁵, LR⁺¹⁵]. Conception

[DW⁺², FW⁺¹⁵]. concepts [CW⁺⁰⁶, PS⁺⁹⁶, RC⁺³⁰]. Conceptual

[TR⁺⁰⁹, HSN⁺¹⁸, WCB⁺²⁰b]. concerning [WO⁺⁸⁵]. Concholepas [GKC⁺¹⁴]. concluding [Car⁹⁷b]. Conclusion [Ano¹⁰a]. Conclusions

[PBO⁺¹⁰, PAB⁺⁸⁷]. Concomitant [FFS⁺²⁰]. concurrent

[KOH⁺¹⁰, Min⁺⁰², PV⁺²⁰]. condition

[BWMGB⁺⁰⁸, BF⁺¹⁷, CQC⁺¹⁵, DMC⁺¹⁸, FMC⁺²⁰, GCD⁺¹⁸, GDL⁺¹⁵, HSG⁺¹⁵, HBG⁺²¹, MLB⁺²⁰, VDB⁺²⁰]. Conditions

[EBS⁺¹⁸, AMEV⁺⁰⁷, AAM⁺¹⁴, BP⁺⁰², BH⁺⁰⁷, Ber⁺⁶⁵b, BL⁺⁰², BASS⁺²⁰, Cai⁹⁵,
CBB+02, CCS+21, CPNL07, CCM+14, DPB06, DWFP+19, DL17, DB02, EKG06, EHG+12, FSVL10, FDB+21, GCCY+14, GQO07, HMP+13, Hey78, HFO+22, IPG+16, KUO+12, KJG+10, LBB+87, LBP15, LFM+18, LLAP+22, LWBD+17, LGG18, MSd+16, MAFS+22, MM+12, MG+07, MKSW+15, NRS+19, Nag01, NRA+21, OMS+09, PGRP+18, RNBP+19, SF02, SS69, SG+08, THP+08a, THP21, VKDS+18, WH+02, XRC+15, ZHBW01. conducted [KDB95]. conference [MBH+01]. configuring [MC+14].


contemporary [HKGH+06, Was06, Was15]. Content [Ano73b, CWB+22, CM14a, DMT15, FMC+20, Fra69, GvO+08, GA10, HWPLvW20, KSG+17, PPSV+13, SRFHDH22, WLM07, Yas07a]. Contents [Ano64a, Ano65c, Ano65d, Ano69b, Ano85c, Ane86a, Ane87a, Ane89a, Ane92a, TRMV+15]. context [BMN19, JGF+90, LFG10, VBL+21].

contiguous [CWW+15, WKS+15]. Continental [BHE+98, BHPC06, BPP+98, FLdST98, FKH+13, Gor92, HM+98, KFM+17, LEB+08, OB98, PS98, TVW98, WAH+20, dWDB+98, vWHdS+98, ACK+13, BHA+14, Bum73, CB+06, CSG+15, CS+06, Coo65, CFFG97, DWH+14, DMD+00, DTOD00, DKRL22, DGGdR02, DCL+13b, FJA+21, FARRL+13, FMWW+14, GGG+18, GEP+08, HK+22, HVT+22, HWT+10, HHH+12, HG04, HA+22, HFW+21, Hut81, Hut87, HHK+02, IG19, JW01a, JC18, KS+01, K+03, LM+18, LLL+11, LCBN14, LDB+02, MH02, MZ+14, ON05, ORW+01, PCD+18, PPHM18, RAE+05, SCMAR+99, Se+65, SH09, SG+08, SBD+07, SSL+07, Sol00, TCV+20, TDCPP+22, TRLA+13, TVG02, TSRF14, TPP+00, TPM+00, VHV+12, WDMH+89, YMD+88, YGC+21, YCP+12, ZCA+21, vHVT+22]. continentales [Ber65c]. Continued [AvD15, KFM+17]. Continuous [BGMP03, BDE03, HFK03, JJS03, RWJ+06, UCB+18, VBL+21, WH94]. continuously [SMFM+21]. continuum [Coo69, RBL+19]. contraction [BCT+09]. Contrasted [ERT+22, VBAC+21, BFE+17, GGA+05].

Contrasting [CDTM+21, SWT+17, TOKL+08, AGD+18, DAF+22a, DAF+22b, DL17, FPY+16, GvO+08, GRdSS+22, HG04, LT06, LSM+22,
SJJ, contrib [PMS +15]. contributing [SYN +21]. Contribution [GMAGH +17, GEO09, LSV14, MKS +22, AMEV07, BFH01, JIR +08, MMF +12, RKS +15, SMB88, WSC +21, Wiis64]. contributions [CPGM20, LNR13, SSB +20b, ZGZ19]. control [AHSS22, ACE +07, AUE +14, Dag93, GAF15, HS07, HLS +14a, HS02, HM06, KGD +08, LLL +11, NGNV12, PPD +12, WBC +22]. Controlling [MVN +15, CMC +16, CVBG21, HBV +99, HKMF08, LLGS21, SOS +07, VMC +19, XCH +16]. Controls [KSR +01, OMR +22, WAH +20, YSN20, BFV +17, CBPS +22, DWH +14, FBB +21, FRCH15, FPY +16, FDE +22, KDB95, LFBR +18, MLPN06, OPL +21, PAVB +21, Pow06, SR15, VPM +19, VCM04]. controversial [Cia14]. convection [AJA +22, KFG +03, Mcd81a, Mcd81b, PPdM +12, Sch03, TDGY22, YN03b]. convective [DLM +96]. convergence [RASVB +22]. Converting [FCEZ10]. CONVEX [Rea00]. CONVEX-91 [Rea00]. conveyor [HS07]. conveys [STJ +14]. convolutional [KM22]. cool [BMG +21a, FMM +20]. Cooling [RKS01, SDGVE17]. Cooperative [ALV +21]. coordinated [DLM +96, OHÜ89]. Copepod [BHC +18, GHVG19, HCC02, HVEF09, LPHL +05b, LPHL +05a, MTK +22, YHRT22, AVK91, BEP02, BMDMS +21, BD20, BAOM +12, BMG +19, CC07, Dag93, DWFPP +19, DLJ +21, EHF22, FELJ16, FCEZ10, Fro05, FB05, GBG05, GHC +17, GD91, HTG15, Jlb04, MDGC +12, MTH +10, NGPH10, NGNV12, PD15, Re02, SSTD +95, STS +12, SJJ +03, SJD10, TKS08, UB10, WPB +08, WSH15, ZGB +20]. Copepoda [FMT15, GS19, GPP22, HLPL05, JC04, Mil88, NNM08, PMG15, PMH17]. copepoides [NNM08]. copepods [BVJE19, BHS +15, CTF07, CAM06, CSH +12, DLD +19, DAF +22a, DAF +22b, HEB +01, HE07, HEP +12, IS19, JAC +12, KKS14, KVNT20, KSKN21, KHP +18, LBP15, MMG +13, MSMR93, MFB +84, MC88, Mil93a, Nie07, OPG +10, PK02, Roro84b, SNS +13, SS03, SSV +11, THBA19, VJ +22, WGG +08, YHLA +04, MN88]. Coral [GCF +19, MP04, ALG +21, CPPPEAG22, CVHM +18, CLG +22, CKL +14, FVA +19, KAK +22b, LRGV +18, MRW +14, NLY +17, PRA +18, TAF +22, TKC +22, VGJ +19, WFJ +15, RDG +21]. corals [GMS +20, vHMDL14]. core [CS18, CQ0 +15, LJ65, LXC +22, NC80, Soh03]. core-use [CQ0 +15]. corer [JPBB20, LB20]. cores [AS20, CD65, FAAA +15, Ola65b]. correlation [Ber65c, KC15, Par65]. correlations [Con87, EMI65]. Correspondence [CSS +21]. corridor [LRJ +15]. Corrigendum [ÁBMÁS15, BLAM00, BJMP20, Fci04, FDH20, GFB +15b, JLP +20a, KN11, Kru19, KMF +20a, MHS +20a, MFS +16a, RBS +20, RLFS07, SE09, SHC +07, dMGS +11b]. Corsica [GHL15, BMC05, Con87]. CoSiNE [ZCH +17]. Costa [SDS +22b]. Could [DWFP +19, IF +07]. counter [ASFP +03, BTNK13, MCT03]. counterclockwise [TOIF +12]. counting [CTP +18]. Coupled [DWH +14, HKK12, LC22, BBE +15, CGZ +16, HLK13, HM07, MMGL +07];
LJPGC02, Lav09, LBP15, MPC+17, MJ+17, MCT03, MDR22, NJCD01, NBR+08, NHH+21, OBD+20, ORCH+19, Pal20, Par86, PBS22, RLL+09, RBPGJ+20, RFC+15, RBE+12, SGF+19, SGWF+19, SSS+11, SFS+12, SHL13, Sch83, SHD+21, Sek86, SKRM+95, SHT+01, STGR+14, TCN20, TWAL+11, TFZS14, Ven12, VAGMRS22, WOW+14, WR00, YKWF21, YJ88, YYH+17, ZLC+15, YJW88. current-meter [UCB+18].

Current/Florida [KAK+22b]. Currents [GSA+20, KZSH85, BBL+09, CTL+04, CP07, Dea85, DEW+97, FY88, FBS22, HBW17, Hut81, Hut87, Hut92, ICB+19, JJA+13, JSDK02, KAG+19, LG22, LGH+21, PL89, Pra97, RI86, Rog00, SUV02, TKC+22, WO85, XD95, YMI88, YSS14]. curve [McK08, Oll15]. curves [ED82]. cut [IST+88]. CWC [ALG+21].

cyanobacterium [LMT+19]. cycle [ADS+22, BNC05, BMM01, BDBJ01, BM07, CPG08, Car97a, CVBG21, CFG07, EALF08, Her97, HTDM+15, KYT+16, LB02, MLB+20, MW96, PRTC13, PST+15, RGC+01, RNBP+19, RG09, SSTD+95, TMY+08, TSFA22, VBA+18, WP91, WSO01, WCN+05]. cycles [AH15, FRCH+15, HE07, HTV+20, KRHS14, LK13, Lon95, MDC+07, RM93, SBD+07, TAO05, TDL+17]. cycling [BSMC15, BHE+98, BGS+04, CBPS+22, DHDM22, FC07, HPC+20, MBP+11, MMP+17, OB98, PCCW18, RN06, SE16, SMP+22b, WMC+89, WD94, WH20, WRS+92].

Cyclone [VVV21, BBB+21, KM22, LOO22, VBM21]. cyclones [LYM12, MMM+12]. Cyclonic [LKDL14, MD07, MSS+02, WOW+14, XHC+20]. Cyclorhagida [AM19].

cygnum [WOW+14]. cyst [BPTT19]. cysts [ZHBW01]. cytometry [LSM+22, LGL+18, SHS+05].


Darwin [BB65]. Data [dHA+04, ARD+03, ARH+00, ATC+19, AHC+13, ASR+20, BMG15, BB+03, BIL03, BMM+14, DL08, BECA22, CFM+18, CL03, CGD+22, DTC+06, DHL+21, EgB97, FPJ+15, GCCY+14, GdRGL+01, GJ00, GA00, GAS+22, HMRA+03, HLS+14a, HHH+12, HMO06, KDL+01, Ktv97, KBSB18, LCBN14, LHE+13, LB20, LHF+16, LM97, MDB+20, Man04, MB05, MAB+11c, MAB+11a, MAB+11b, MGZ+20, OMS+09, ORVES17, OAT+05, PSP+21, PRC+20, PFW15, PHD+18, REG+15, RBS+20, RBS+22, RDL+91, Ric93, RJW+06, RBS+09, SO91, TM13, TKW08, TFZS14, TGR05, UPPS+21, VGG+19, WM13, WCD+21, WSO01, WL07, WFS+15, Woo18, WZC20, XLX+20]. data-poor [GAS+22]. database [VR03, dHRA+18, SAA+15]. dataset [DHB+21, KS06, LGZ+20]. datasets [GCP08, PCBA+20]. dated [SCS87]. dates [ST65]. dating [Emi65, OE65, TAF+22]. day [Cal95, DJG+02]. days [HBD+18]. dead [WW+22]. Dealing [LIH+12]. Dease [CML+16]. Death [GHVG19, Wai83, WKS+15]. debris [SGF+19]. Decadal
[JG07, JCI18, LAD+18, Lev88, LMC+20, SGWF+19, Wu13, CSS+21, DM15, HDZY15, HHH+12, KLB+21, KKK+04b, LYM12, LDD+22, ILdZQ+22, MTC+12, MCD+07, Mol+04, Mol+22, NNM+21, OMS+15, QNK+22, SF15, SON+20, TSH+17, WHI+02]. Decadal-scale [SGWF+19]. Decade [MWS+10, MMG+11, PHKS17, VLUC+07, WBD+15, dPAJ07]. decades [ABD+17, CBM+21, HBD+21, KOT+21, LWY07, LDMH09, McK15, MJ+17, PBB+20, PM13, SEG+22b, SEG22a, TKW06, VBL+21]. Decapod [ACB+13, CSV+07, PPPdS20, PPD+21, Roe+84a]. Decapoda [ACK+13, CHSB+21, Mar20]. December [Ano20s, Ano22-29, LM10, Ano98b, Ano99e, Ano03f, Ano04f, Ano07q, Ano11i, Ano12p, Ano16n, Ano17o, Ano19a, Ano21c]. Deciphering [RPRCAG+21]. decision [BMN19, JPM+08]. Decline [PBBH+22, Jac+10, ONR+14]. Declining [RNL+13, WFR07]. decompositions [MNT14]. Decrease [PMS+15]. decreases [DLD+15, VFS+15]. dedicated [BFPS06]. Dedication [vWM02b]. deduced [Soh+03]. Deep [BS95, CF20, FBD18, dCFK17, FJ19, GDN+18, GLAHH+22, Hen85, JFEC13, Mun+09, RGI+05, SKF20, Tit+20, VBD+20, WWS+07, vHCY+20, ACK+13, ACB+13, AS20, AP20, AS96, Ang89, Ano94k, AUE+14, BW+65, BRC+18, BS+09, BS+09, BMW+01, Bil+01, BKC+15, BHC+18, BAB+19, BBM+20, BGS+04, CDS+90, CCM+02, CMM+04, CSV+07, CPG08, CMF+09, CMF11, CJ+13, CAO+20, CMHM+18, CP+19, CFML+22, CTR+19, DDE+15, DT+00, DP+18, DGMM+85, DB+15, ECP+01, ERI+65, FPD+01, FPI+85, FARR+13, FBT+22, FS+10, FWL+15, GBM+01, GM+19, GvOSW+11, GBB+95, GDO+85, GJ+00, GGA+16, GSS+80, GM+12, MM+90, MSFZ+19, NKK+03, Ola+65b, OT+19, ORMR+19, PP+14, PM+18, PMF+GQ21, PPdS21, PB+94, PDMS+13, RGC+01, RLDC+13, R+19, RM+97, RKM+07, Rot+65, RSD+90, SSB+20a, San+73, SC+09, SS+19, Sh+82, STL+16, Sh+65, SFAD+90, SLGI+21, Soh+03, Sok+90, SV+97, S+00, SM+16, SBS+90, Tal+08, TR+13, TCS+15, TVD+99, TCL+15, Tur+65, UPPS+21, VKGP+13, WO+85, WGS+13, We+69, WNW+99, WHB+03, W+04, XHW+20, YTL+19, Z+90, ZKT+88, vPRT+90, vDS+94c]. deep-Mediterranean [CTR+19]. deep-ocean [HWB+18]. Deep-sea [FBD+18, FJ+19, Mun+09, SKF+20, VBJ+20, ACB+13, AS+20, AP20, AS96, Ano94k, BRC+18, BS+09, Bil+01, BAB+19, BBRM+20, BGS+04, Car+98, CMF+02, CPG08, CMF11, CJ+13, CAO+20, CMHM+18, CP+19, CFML+22, DT+00, DOS+18, ECP+01, ER+65, FARR+13, FBT+22, FS+10, FWL+15, GBM+01, GM+19, GvOSW+11, GBB+95, GDO+85, GJ+00, GGA+16, GSS+80, GM+12, MM+90, MSFZ+19, NKK+03, Ola+65b, OT+19, ORMR+19, PP+14, PM+18, PMF+GQ21, PPdS21, PB+94, PDMS+13, RGC+01, RLDC+13, R+19, RM+97, RKM+07, Rot+65, RSD+90, SSB+20a, San+73, SC+09, SS+19, Sh+82, STL+16, Sh+65, SFAD+90, SLGI+21, Soh+03, Sok+90, SV+97, S+00, SM+16, SBS+90, Tal+08, TR+13, TCS+15, TVD+99, TCL+15, Tur+65, UPPS+21, VKGP+13, WO+85, WGS+13, We+69, WNW+99, WHB+03, W+04, XHW+20, YTL+19, Z+90, ZKT+88, vPRT+90, vDS+94c].
Differential [Gar03, Due77]. differentiation [WLP+21]. diffraction [LGL+18]. diffusion [Gar03, RG03a, Wen88]. diffusive [Fla02, KFG+03, McD81a, McD81b, ÖUT93, PSGVS+14, WZF16, YYK88, YN03a]. diffusively [TG81]. digestive [RMB+01]. dimensional [BBPHG+11, BASS+20, Coo69, Dav85, DJ92, GWB14, Kaw86, KDF97, LHC+19, MR03, MAH+11c, MAB+11a, MAB+11b, SGMVF14, WB03, XD95, YWUK15, YYF05]. dimethyl [ZPY+20]. dimethylsulfide [FLDF22, ZBY+22]. Dimethylsulphide [FPS+09]. Dinoflagellate [BPTT19, ST10, MPMA13, OMS+09, Sma10a, Sma10b, ZHBW01].
dinoflagellates [CM14a, PMA+14]. Dinophysis [DRVMC+22]. dioxide [FLUC08, KBHML17, XCH+16]. dioins [CJRA+13]. dipole [SW22].
Direct [ITO+14, JSKM02, LGK+93, Web69]. directions [MPC12, PV18].
disadvantages [KSY+19]. discharge
[AJHIC19, CKB+17, CTT+19, FMWW14, GdRGC+14, WBH15], discharges
[LDMH09]. discovered [GKS+13]. Discovery [WT14]. discrepancy
[HL05]. discriminate [LSD+15]. discriminated [BCLD+17].

Disentangling [YGL+10]. discussion [MSFZ19]. Distinguishing
[HGB+21, HLCdP19]. disequilibrium [AYK+05]. disjoint [NHG19]. Disko
[HJLLN07]. disparities [HS07]. Dispersal [HPW10, JG+98, PHFK14,
PdS21, ALT+10, CZG+21, DCMI6, GKC+14, GJJ+10, GHC+17, JLRB20,
JLP+20a, JLP+20b, LAHI10, LYZ16, MKSvA+22, OOTA15, QCdS+07,
SNV+18, TTM+17, TKC+22, TMR+21, VMH+21, VOJD02b]. Dispersion
[ZLG17b, ARDP14, Gar06, IAM13, MMIB10, OC06, Sa+15, SVIA14, ZLG17a].
Dispersion-Confinement [ZLG17b, ZLG17a]. displacement [SDGVE17],
displacements [LO21]. Dissecting [XHW+20]. dissipation
[Car97a, Kat18, LL97]. dissolution [GTR01, TGR05]. Dissolved
[DHDM22, MPCNC+19, VFCC+22, BFJ18, CDS90, CLL+18, DGH+20,
FTG+18, GLAHH+22, GF19, HOY+21a, JMG+13, MNFY21, OB98,
RFSCF19, SHd13, SWT+17, SIS+14, TBW00, WLM+13, YT06, YTB+21,
ZKK+16, ZSY+22, CMPNC+22]. distance [JLP+20a, JLP+20b]. distinct
[CdD+15, DBRK17]. Distinctive [AJA+22, MCGS+16]. distinguished
[YRK08]. Distinguishing [Pie01]. distributed [THM+14]. Distribution
[AE09, CF01, ECF+20, GMAMB04, KT04, KMF+20a, KMF+20b,
LDAM+07, LM+00, LCR+93, ILdZQ+22, MSA+22, MPTMK22, NMLBC+01,
PL87, PBD+87, SGL+13, SGA+19, STS+12, SBS90, TZN+00, YCP+12,
YAI+14, AHSS22, AGD+18, AHRT90, BM76, Ban64, BSF95, BLI+99,
BCLD+17, BHB+19, BDL08, BGB+88, BECA22, BBFS19, BHC+18, BJ90,
BSH+20, BT+17, CAH+22, CSR90, CV13a, CB06, CMM+04, CTF07,
CMPNC+22, CLB+13, CLG+00, CS06, CFG07, Cra09, CNSHT15, CJG88,
DDE+95, DGP+13, DGGdR02, DAU22, DAI+10, DIJ21, EKB06, EHC+12,
dCFK17, FTG+18, FTHK19, GCLD19, GHF+21, GPP22, GJJ+10, GSA+20,
GTB+19, GBB+20, GGA+16, GMDS20, GAS+22, HGD22, HVT+22,
HFNG00, HKPV12, HOY+21a, Hob10, HF10, HCGK11, IMM+22, IHY+01,
JS90, JC04, JSHB90, JAJS08, JHW+14, Kam19, KSK+15, KFM+17,
KGdS+08, KVNT20, KSSN21]. distribution [KDB95, KHP+18, KFH+15,
LJ65, LF12, LOGB+10, LLGS21, LRGV+18, LPARF+20, MCB+90, MSC+15,
MGW20, MBdM+18, MPCNC+19, MgC64, MS17, MPSD15, MBB+96,
MFA+15, MWFH02, MGH+07, MKMF+89, NCC+15, NMM08, OSH+96,
ORMR+19, PSL+78, PPSV+18, PJS+22, PVPG12, PRC+20, PPSVC+13,
PW+16, PK02, PDAM+15, PCC+19, PLHLF05, RLDC+13, RCB+20,
RAP+55, RMB+01, RG94, SOS+07, SBB+0a, SIT+07, SM21, SBK+95, Sie69,
SAY+16, SCC+19, SSV+11, SDL+19, TPRS10, TBW00, TIOM16, Ver91,
WMB+21, WCX+21, WSS15, WQ08, XY+22, XNT+17, YTB+21, YSY+19].
Distributions [HHJ03, SIS+14, Ang79b, Ang84, ATC+19, ABP15, BSW86,
BMG+19, Bri79, BASS+20, CDH+13, CGM+02, CBOP15, CCM+14, CW02,
Dom84, DHL+21, DTKvH15, FCN+19, FW91, GBC+00, Hau84, HSLG11,
KCPM09, KTIT22, Lev88, MHCR+12, OCH+18, Par65, PBP+99, Pug84,
RB20, RAB+84, Roe84a, Roe84b, RB84, RJT84, SMN+14, SWT+17, SK18,
SBE+20, SW21, WGG+08, WL16, Yao88, ZHBW01. disturbance
[GWK17, RLR+18, dJSL+20]. disturbances [His22, LL21]. diurnal
[Rou65, SNS+22, vHMDL14]. diurne [Rou65]. dive [HHP10]. Divergent
[FMCG15]. Diverging [HSG+15]. diverse
[HGB+21, IG19, OSH+96, SPH+15a]. diversification [GWGR+19, HS22].

diversities [RTBR+22]. Diversity
[BBFS19, BGWP+17, BTV+17, GGA+16, Mar20, PJS+22, PAPL15,
ABE+15, AS96, ÁLC22, BMdMS+21, BWB+09, CMF+09, CTR+19,
DDK+18, DNN16, DBJ+15, DBR20, FTC+16, FBT+22, GFB+15b,
GFB+15a, GLV12, GRdSS+22, HEF+12, HTG15, JPB20, KKS14,
LWBD+17, MGWZ20, MJD+21, NGV12, OVG16, PPD+12, QOS+22,
SB90, WVDF14, WPBG+18, ZWM+17]. Dividing [RSB+13]. diving
[CM14a, FPS+09]. DMSP-lyase [FPS+09].
DNA [CBL+19, JM19]. Do [HLD+21, KCPM09, PCR+22, TKB+22,
NGLSSG14, Ric22, RMB+01, SMKK21, Zez90]. DOC [OB98, SHd13].
documented [SBMB18]. Does
[LPHL+05b, SCC+19, WBC+22, XRC+15, ALT10, CPC88, Dag93,
FMWW14, GCCY+14, IL20, MAH+15, SGLF+13, UAM05]. Dohrn
[GCLD19]. doliolids [IMM+22]. dolphin [SGL+18]. dolphins [LPF+18].

DOM
[CMPNC+22, MPCNC+19, CDB+22, CMPNC+22, MPCNC+19, MZ14].
domain [TSJ+12, CWW15]. domains [CLV+19, MWFH02, WKS+15].
dome [SDS22b]. Dominance [JJA+17, ERT+22, PFW15]. Dominant
[HDZY15, AVK91, INI+17, MGH+07]. dominate [CBT07]. dominated
[BTNK13, TPG10, Whe06, XLP+20, ZDG+21]. Dongsha [HWF+21].
Dosidicus [ATT+08, BGM+10, RS10]. Double [McD81a, McD81b,
PSGV+14, KFG+03, ÖÜT93, RG03a, RG03b, TG81, YYK88, YN03a].
double-diffusion [RG03a]. Double-diffusive
[McD81a, McD81b, PSGV+14, KFG+03, YN03a]. double-diffusively
[TG81]. double-infusion [RG03b]. Douro [MSd+16]. down
[AH10, AF10, BVJE19, CGM+02, FFA06, HHS22, HM06, MLNP06, OWR+07,
PPD+12, SIB+06, ZK06]. downcore [SLG+12]. downscaling [SCLS10].
downstream [TOF+12, WWL+22]. Downward
[SCT+00, BS02, FUOG+16]. downwelling [ABS+20, BLT+15, LPF+21].
Dr. [Aux20u]. Dragon [GKS+13]. Drake
[CLV+19, CP07, GWGR+19, Spr08, VKDS+18]. Drastic [KOH+10].
drawdown [TAM+15]. drift
[Coo65, HKPV12, HMA18, ICB+19, MK86, SOO+14, VBL+09, YSS14].
drifter [LKD14, LC16, TM13, TFZS14]. drifters
[AKAL20, BBM+14, GL06, ICB+19]. Drifting [Ric85]. driftnet [INI+17].
drive [BMM+21a, CCB+20, GSA+20, RAB+11, YFY+22]. driven
[BBS21, CBM+21, FMP19, GW91, KQP+17, MHGGS19, NNL+21,
OÁSG+16, PRTC13, RB20, SDGVE17, Sek86, SDO+14, TAW+15, TG81, WHBK05, WHBW03, vHCY+20. **Drivers** [MTK+22]. **Drivers** [BTS+15a], CM18a, GHL15, IMM+22, OVG16, BBL+18, CLD22, CMPNC+22, EBR+14, FJA+21, GBT+19, HVT22, HLD+21, HPW10, KPSB22, KHP+18, LJM+16, LM18, LFCSV+13, LDMH09, MPCNC+19, MCKS17, PVM+20, PGY+22, PSA+19, RCSVG+16, SLH+19, TAM+15, VSGD21, VDB+20, YPVP+22]. **drives** [APC+12, SOO+14, ZWM+15]. **driving** [NRA17, Woo18]. **drop** [CMF11]. **drys** [Has06]. **dryer** [JTQ+18]. **dual** [LH08, TSJ+12, GDN+18]. **dual-basin** [LH08]. **dual-domain** [TSJ+12]. **Dual-frequency** [GDN+18]. **due** [CLL+09, DLD+19, IST+18, KLC+15, LRI+15, SAY+16, YHRT+22]. **Dungeness** [BL02]. **duration** [FP03, GGJ+10, STHM02, WO15]. **during** [AMFY20, AAML22, ABD+17, ABS+20, AYK+05, AVK91, AVG+19, ABP15, BC91, BGM+01, BIST01, BCM+02, BRD+15, BPC+05, BM07, BASS+20, CAH+22, CCW+02, CTF07, CB91, CJMI+91, CFC+18, DW02, DRVMC+22, DHDM22, EKB06, ESGP17, FB01, FGGDF+04, FWBC02, GWB14, GMDD+22b, GCZ+00, GA10, GMAB07, GR08, GAM98a, GAM98b, HMB+86, HGPFN+14, HFW+98, HCC02, HHSR07, HBH+17, HCQ+11, HSF02, JJA+17, JS87, JC98, JSK02, JW01a, KKB00, KIS+05, KBHM17, Kos02, KC02, KN9+05, KYS+17, LBH+87, LPPL+05b, LPHL+05a, LGR+02, LBH+21, LCC+22, LOO22, LCGH07, LWBD+17, LDMH09, MSNM93, MG02, MRMD+97, MMR+12, MHA+11, MPD+22, McG64, MB+96, MWS+10, Mil93a, MSA+22, MIW91, MSH+02, MMF+12, MFM85, MPTMK22, MGH+07, MHCR+12, MA12, MEM05, MA++7, NBR+08, NKK+05, ORW+01, OELP04, OEL+14, PBB+20]. **during** [PVG+20, PP+12, PELAA8, PAM+88, PK02, PLL05, PWMIM91, PN+21, RAP95, RVS+21, Sal65, SLG+12, SMG02, SGMP15, SMP+22a, SWT+17, SZG06, SKF20, SEG+22b, SEG22a, SW01, SPH83, SMG01, STW+15, STR01, SYN+21, SDL+19, TMN+12, TI+14, TSAM+22, TFM03, TSFA22, VSGC21, VH+12, Ver91, WFH+22, WP91, WLM+13, WLM07, WDMC02, YMA+17, YLL19, ZBY+22, ZLC+15, ZDG+21, dPAJ07, dFKdLZT17]. **dusky** [LPF+18]. **dust** [LGG18, Qiu15, RDE+18]. **dust-derived** [RDE+18]. **DWBC** [FKZ+15]. **dwelling** [KFC+13]. **DYFAMED** [CLL+18, HLM+13, MMG+11]. **Dynamic** [LB02, TAW+15, TJ90, AMG+16, GCCY+14, KHS+14, Kaw66, Kt03, KM+12, Le90, M01, PHK01, PBN13, RSMOS0, Ric15, RG94, Sac16, TSH+17, VDS+18, YAK+08]. **Dynamical** [Tho95, HKL+15, PC87]. **Dynamics** [AYK+05, Car98, DTOD00, DGH+20, KIS+05, Kt06, LSM+22, LS+17, LSL+18, LZG20, MFS+16a, MFS+16b, MYH+22, MMG+11, SFMT12, SFMT14, WHHH07, AHP98, AN+94c, BD+06, Bak06, BB+14, BFJ18, BHLU+07, BRR+12, Bri83, BB10, CRGA17, CGL+20, CKB+17, CML+16, CWZ+20, CGMP14, CSV+07, CMS+15, CSS+15, CÁM06, CMHM18, CLG+00, CS16, CDD+13, CRD+15a, DAVD+20, DAVD+21, DXHM+02, DBW+22, DZ04, DL17, DBRK17, DL+21, DCL+13b, DK07, FBS+18, FFA06, FK99, Gam14,
E. [GBG05]. each [CBL+19]. eAP [WCC+20]. Early [BSF+21, FMT15, NNFL21, PSK96, AHP19, AHC+13, BLT+08, CCM+14, DML+16, Dea85, EKB06, FCN+19, FMW91, GPEV20, GKS+13, GDM+15, GillX22, HBG+21, HPW10, IMHL07, KSK+15, KBF+08, KLP+17, LSY+14, MVBC+21, NGNV12, ORMR+19, Pug84, RAB+84, Roe84a, Roe84b, RB84, RJT84, TTL+04, ABSDC07, Bum73, DMBHG10, JJS+03, KOMO88, Lie88, Man69, MKM86, MM90, STJ+14, TMH+16, Yin88, CPG+18, CTL+04, CS03, Chos86, DL17, GCCY+14, HMRA+03, HOY+21b, hHCK01, HSH97, ITM86, JJR+08, JS87, JHL+19, JAJS08, J´on07, JJS+08, KKK04a, KKK+04b, KHM+88, LSF+17, LGH+21, MLL+22, MH14, MKS+22, NC80, NBR+08, NHN+21, ORCH+19, PMG15, Pai20, PO00, PL18, RD03, RI86, SW12, Suk88, SP08, TM13, TKW06, TKWI08, VH+12, WGZ+19, YIY+04, YKS+12, YMI88, YJS+86, YJ88, YPM+10, Yux88, ZKT88, ZLS+04, ZLR+07, ZGZ19, ZSY+22, ZZWL06, vHVAT22]. east-Pacific [vHVAT22]. East [CTL+04, JHL+19, KKK04a, YPM+10]. Eastern [KHC+99, KTB+99, AALM06, ADS+22, BM76, BPF06, BTK+99, BEO99, BCLD+17, Ber65b, BHS+15, BHC+18, Bri79, BDC+08, CGV13b, CC88, CS16, CMF15, DDT99, DVL+99, DMT15, ECGP01, EBvdL+09, FAL06, FCSC15, FT06, FLO6, FMP19, FK99, GPP+22, GTS+21, HSS+12, HMTL05, HP+09, HFG00, HLP+16, HHMB+09, HFO90, HVEF09, ISM+02, KKB00, KSV08, Ksa06, KH09, KF+15, LBNM13, LRN99, LFA+06, LKDL14, LW58, LSW+21, Lu86, MT99, MGG22, MLK+09, MC15, MNM06, MWHF02, MWO+12, NCH+07, OHL+18, OPG+10, PBB+20, PMK+06, PDAM+15, PP10, PST+15, RMG90, RKCH15, RR01, SCL+11,
SCHBC+22, SRAV19, SH09, STHMO2, SLPA+20, SNMW10, SGR+22, TJ73, Tan99, TMKJ+09, TPRS10, THM+06, VOT+99, WF06, WF07, WSL20, WCC+20, WFR07, WHI+02, WLL06, WTH12, XWW+21, ZK06, ZLZ+17].

eastern
[vAB96, Ano09b, BMC+10, CM09, Cia14, DDE+95, DRE+08, DGMM85, EMU+21, FGSA97, FBA09, FAB+09, GBC+16, JHM+22, KKS+18, Kat18, KMU+12, KEV10, LBH+87, MLPN06, NDEG22, PJS+22, Phi65, PGC+96, RKH+07, SPH+15a, TPV+18, TVD+99, VKT15, VOT+99, WFBN+13].

eastern-Mediterranean [DDDT99]. eastward [FGR+06]. eaux [Rot65].

Echinoderes [AM19]. Echinodermata [MMK19]. Echinoderms
[MDG+19, PJS+22]. echinoids [SM16]. Echiura [GS19, MA20]. echiurans
[MA20]. echo [ZZPL18]. echosounder [ON22]. eco [Lav09]. eco-regions
[Lav09]. Ecological
[CQO+15, CLG+22, EAL+07, Fly10, GVBV+21, GHC+17, GRB+08, MP04, SEO13, BRG+15, BMG13, BEH19, CAO+20, CRS04, DFM+15, DFH+16, FVA+19, GMD+22, GA01, HSMLDC+22, HFS+20, HBW17, HLD+21, Ig04, JHDT12, LM14, LSH+22, MDGC+12, MGC+18, MII06, MR03, MCH+12, OOTA15, POS+07, PRC+20, PBO10, PM13, PYKF15, SHD+21, TMAGC+21, VPM+19]. ecologically [SFS+12]. Ecology
[McK04, SRK15, Ang89, BFB+20, BLI+99, BRH+05, CCG07, CDL19, CH07b, CSM+15, CLCB19, DM13, DKRL22, EBM+20, EBM+21, FDB+21, GD85, HS22, HMP+13, HWBT03, JSLA+21, KHS+14, MM80, MFC+17, MHVS19, PGLG+05, PHCA17, SFS+12, THM+14, dB94, WHG+16].

Economic [Me10, GRDS10, JHDT12, MBF+14]. ecophysiological
[THBA19]. ecophysiology [PBB+12a, PBB+12b, PRTC13]. ECOSystem
[Ma10, Ant09, AYK+05, BDG+17, BTS22, FK99, GCF06, GBC+15, Hea12, JSA+08, JBB+14, KNI+05, LL21, MP13, MOSN+13, ML09, MBD+09, PHD+18, PCH+08b, PL09, SCD+07, SDF+22, SKGS20, YFY05, ABE+15, AN04, AF10, AM10, AGS10, AHC+13, ABAS09, BCB+05, Bak06, BW08, BM16+1, BCM+02, BRD+15, BM01, BEO03, BMHS09, CSS+21, CSC+12, CHB02, CAB+99, CRI+15a, DKRL22, DSR21, DPH+18, DPR+18, DWC06, EGP+18, FHA06, FLDF22, FPS+13, GMBU12, GLF+17, Gir15, GRS08, GCP08, GEP+08, HLS10, HFS+20, HSG+15, HGB+21, HSO9, HBD+18, HvdlS+09, IMM+22, JPM+08, JHDT12, JLS+22, JPPB20, KB00, KHL12, KTH+21, KIS+05, LR07, LOG+09, LLL+11, LCBN14, LDH09, Leh01, LSM08, LSXT01, LG10, LHH+12, LH+20, LCNAS+07, LDM09, MLL+22, MRM+14, MRA+19, MRSS02, MGS90, MV10, MKH096, MBH+01, MSI17].

ecosystem
[MH+09, MLM09, MLNM09, MM00, NYL+17, ORVES17, OAWAN18, PL01, Peo03b, PBH+10, PBN13, PPD+12, Qcds+07, REG+15, RCS+11, RBD+07, RN06, SGFW+19, SSL08, SJP10, SBLA10, SRM+10, SCB+07, TTB+08b, TCL20, TKWI08, Tit20, TFMO3, TS10, Tur99, VBL04, WSS15, WFJ+15, WPH+10, WPB05, WJHPB15, YFK21, YWUK15, ZLKO00, ZLS+04, ZWM+15, dMGS+11b, dMGS+11a, TTB+08a, TTB+08b]. ecosystem-based
[HFS+20, JHDT12, WFJ+15]. ecosystem-level [PBN13].
ecosystem-linked [SSL08]. ecosystemic [YPGE+10]. Ecosystems

[Ano09h, Bel09, CM09, FAB+09, IGG+19, KSE+09, BDP+06, BH07, BWB+09, BHMS09, CSBL+15, CCB+20, CS04, DM13, Den03, DMF+09, Dri11, DP13, DAVK99, GSF+09, GAF15, GLH13, HAA+14, HM06, HPH+08, HDA+16, HBD+18, JAS+20, KCPM09, Kno04, LDD+22, LSS+09, Man04, MBCB88, MFS+07, MF+07, Man17, MLK+09, MS15, MPN09, MB+09, PS08, QSC+15, Rk03a, RKK+21, Sie88, SPV+15, Tan99, TCS15, TMK+09, TAM+13, TJS20, Was11, Was15, Woo05, YBPS08, dHR+18, FBA09].

Econusomatidae [GS19]. Eddies [RFKC16, WLL06, BRB+01, BA04, BNCC15, BF12, BH85, CGG08, CBB+22c, CMG15, CSS11, CBT07, DMBHG10, KM10, Kli10, KBSB18, LLS01, MXC+21, MTL05, MS+02, MHCR+12, NC80, OKa+19, Rie93, TOIF+12, WOW+14, YHL+04].

Eddy [CED09, RL85, SOB+08, BATNP04, BBS21, BRR+12, BKB85, CDH+13, CCRS20, CGG08, CCD+13, GMAMB04, Har05a, Hau84, HZCZ16, JLB+08, KZHS85, KDL+01, KSD84, LRS+03, LBD11, ORCH+19, OP18, Owe91, RAE+05, RBS+09, SDK84, Sim84, SBD01, TG05, VBM21, WBA+22, WLM+13, WBB+01, XHC+20].

Eddy-Ekman [HZCZ16]. eddy-induced [HZCZ16]. eddy-permitting [KDL+01, WBB+01].

Eddy-resolving [SOB+08]. edge [BHK+16, BH85, GGG+18, Hut81, Hut95, HK+02, KHM+88, LMP22, LH08, ZCA21]. edifice [GSA+20]. Edited

[note: further text is not included in this representation]
Ano15j, Ano15k, Ano15l, Ano16a, Ano16b, Ano16c, Ano16d, Ano16e, Ano16f, Ano16g, Ano16h, Ano16i, Ano16j, Ano17b, Ano17c, Ano17d].

energy [ACL+18, CNT+19, CRT+22, DCM16, DDK+18, GSFP+09, HS02, LBD11, MGS90, MFS+07, MSF+07, MFM85, QLY+22, RBE+12, SRT+18, SBD01, SDJ14, XD95, XY20]. energy-rich [SRT+18]. engineering [Pir87].

England [HHP06, JHDT12, PL09, USH15a]. English

[Ang79a, BTS+15b, BLC14, PMS+15, RMC+15, STW+15, TAW+15, TB15, ALT+10, BTO+15a, BHLU+07, GCD+18, LSD+15, MAH+15]. Engraulis

[BBF+20, BDLO8, CGC+20, DMC+18, EB08, GRB+08, HPW10, PCSM12, SAY+16, TCF+18, TOIM16, YPGE+10, dFKdLTZT17]. enhance [NNFL21].

Enhanced [TSP+13, XY20, XY21, LK13, TDGY22, vHCY+20]. enhancement [MTK+22]. enhances [BGL+17]. Enigmatic [Wal83].

enough [BBLD+11]. Enrichment [SPK+19, AJA+22, Har82, PKV18, RTF+05, TT05, TDGY22, TST+17, TSRF14, TKK+05]. enrichments [FYTC05]. Ensemble [Hob10, MZGA+20, TLH+15, VBL+09, Woo05].

ENSO [WF07, CS03, DNNN16, HKK12, hHCK01, LYM12, Leh01, LOO22, LSW+21, LWBD+17, PKP14, RR01, RN02, TWMY08, TTB+08b, WF06].

ENSO-induced [LOO22]. enters [No00]. Entoprocta [BC19].

entrainment [APX+15, MTL05]. entrance [BC88, SCHBC+22, SAB+21].

entre [Ber65c]. ENVIFISH [BN03]. Environment

[JSLA+21, AMG+16, BSW86, BHS83, BAP+22, CNT+19, ERT+22, FFS+20, ILA21, KBE+22, MAH+15, NCC+15, NMLBCM+01, O'B83, PBD+88, RLL+09, SCB+09, SRF+19, Sim81, TSH+17, Ven12, ZL01, SW81].

Environmental [CMC+16, CCM+14, KHP+18, LM18, LBFR+18, MRH+14, PVM+20, Pow06, RFS10, dSSDS+20, SR15, SSW+09, STGR+14, ARD+03, ABD+17, Ang80, AT07, BN03, BGB+08, BGM+99, BBL+18, BDE03, BCL+09, BFV+17, CSV+07, CP080, DDE+95, DBR03, DVL+99, DMC+18, EHG+12, FJA+21, FRCH15, FSVL10, FPY+16, FC05, FDB+21, GAF15, GCCY+14, GiIKX22, HMP+13, KSE+09, KKKY10, KOHL+10, LSIC12, LBP15, LEDR+22, LLAPG+12, MMG+13, MRAP22, MFS+07, MSF+07, MP04, Nag01, NGNV12, PJJ+15, PCC+19, QOS+22, RGB+17, RvBD+22, SGL+18, SPMVP05, SST+17, SLH+19, TNGP22, TGJT09, THP21, VSGD21, VCM04, VHK03, VIK04, WFD+07, WLKM10, WPH+10, WBD+15, XRC+15, YPVP+22, Zar99]. Environmentally [KQP+17, BEP02].

environments [BW65, BVBB88, DDDT99, Gal17, GGS+20, HDA+16, LSMG01, MPV12, Pas22, PTF12, ZHD+20]. enzymatic [GGQ07].

enzymatically [GGA+05]. enzyme [RMB+01]. enzymes [SPH83]. EOF [Fuk91]. EOF-based [Fuk91]. eOMP [PPV91]. Ephemerinal [Wai21].


Epipelagic

[BMN+99, BC01, DWNN04, GDI+09, INI+17, MS17, PBS22, YMA+17]. episodes [GEP+08]. episodic [VCSG+01]. equal [BEI+20]. equation [AdAK+18, McD81a, McD81b]. equator [AFH+11]. Equatorial

[Luk86, MRR+73, MY92, PGG+22, TLF+89, GR17, GHC+17, LW85, LG22, MAAS+00, MGK+86, No96, OHC+17, OCH+18, RFPG15, RPSC22, SO91,
TJ73, VMN08, XWW+21, ZSI+05, FGS+15. **Equatorially** [CSLJ03].

**Equatorward** [KHD22, Kos02]. **Equilibrium** [Fei93]. **era** [GWB14, JvdLL+15, MMR+09, MHVS19, Was11]. **Erignathus** [MSC+15].

**Erratum** [Ano94c, HHW22, RG03a, SDS22a, VH09a, VHK04, WF07, Yas07b], **error** [Oll15, RCGC+16]. **Errors** [SA97, YHRT22, GJ00]. especially [Bri79].

**Esperanza** [MPTMK22]. **Essai** [Ber65c]. Establishing [EBD+20]. **establishment** [JLP+20a, JLP+20b]. esters [PAG+18]. estimate [AYK+05, GDN+18, LCJ+17, NAH+21, SHS+05, Ver91, YMA+17].

**Estimates** [DGMM85, JvJ+17, Tur65, APN+15, AdAK+18, AVK91, CKT+13, DRD+07, HMO+13, HHWW20, HHK+02, HBB+22, LCBN14, LLH+21, MLK+09, MJ+C+17, PPKR14, SS+18, Tal08]. Estimating [ARD+03, BBM+14, BDLW14, FEGA+14, MBF+14, OWH14, CPSM20, KPSA17].

**Estimation** [BBE+15, RM93, RL85, AHW99, HLCdP19, HHMB+09, SSL08, SO91]. estimations [TAM+13]. **ESTOC** [NCH+07].

**Estuaries** [USH15a, ARDP14, JGO+98]. estuarine [JLP+20a, JLP+20b].

**Eubalaena** [GC09]. **Eucalanidae** [GBG05]. **Eucalanus** [GBG05, MFB+84, STS+12, THP21]. eukaryotic [XLL+20]. **Eukrohnia** [MMN12].

**Eulerian** [HLS+14a]. **Euopisthobranch** [CES+19]. **Euopisthobranchia** [KCBS20].

**Euphausiacea** [OTN20, RBPGJ+20]. Euphausiids [LO21, FP03, MCG+02, PELAA18, RBNJ+12]. euphasiids [Ant09, Bri79, GDI+09, LMM03, PCH08a, RJT84, RBE+12]. euphotic [HFW+98, ILA21, WP91].

**Eurasian** [BS95, RKS+15]. **European** [BHE+98, BPP+98, FLJX+98, HM98, LHEB98, OB98, PS98, SCh+07, Tv998, dWDB+98, vWHdS+98, BB65, BFB+20, BSC+07, BRH+05, CMS+13, CCHV+21, DF+15, GMS+17, GPEC15, HKH+22, HWLT10, HHH+12, HSC+16, HG04, HBB+22, JTMG10, JCIG18, KDF97, LSH+11, NCh+07, NB87, OACB+15, RAB+15, SCh+06, TLH+15, TLP+16, WAH+20, YFK21, dHRA+18]. **Eurythenes** [HCV+20]. eutrophic [KolL+10, LZN+05, MBCB88, RF17, ZLR+07]. euphotic [BVB88].

**eutrophication** [GRS08, RBF+09, SÖÜ94b]. euprophied [GLF+17].

**evaluate** [BMN+19, HSN+18]. **Evaluating** [CRT+22, DMC+18, FVA+19, GiKX+22, LHW+20, SEW+11, XYL+22, ZGZ19].

**Evaluation** [DLM91, JJA+08, KSY+19, MDL+12, RMG90, RMK+21, KAH+16, NNO+14, PJJ+15, VPH+12, XY21, YYT+14, ZLR+07].

**evaporation** [MJW+07]. **event** [BDTC15, CBB+19, CNBD21, FWBC02, JLP+20a, JLP+20b]. **JIT+01, KIL4, KS+15, Lav09, LWBD+17, MGO2,
RCC+18, RN02, SW22, VBVYT05, WLM07, WZ04, YBPS08]. events
[ACL+18, ABP15, BLMR+20, FELMGM+22, hHCK01, JHM+22, KM22,
MCG+02, PKF02, PBBH+22, SGL+17, SMG02, STR01, SKT01, VKT15].


ever [UKK+19]. Evidence [Bea04, DJW+18, FAH+13, Hog85, ILA21, IS19,
KSG+17, LXC+22, Ola65b, SM16, SSW+09, SCS87, TWAL+11, TKW08,
UCB+18, VCSG+01, WFD+07, BB14, HM90, HM00a, HCGK11, HY+01,
IL20, Keg97, KBHML17, MBT07, MTL05, MCGS+16, PAF+11, RK20,
RBL90, SPH+15a, SHF01, TRLA+13, WWL+22, YCP+12, WHBW03].
evidenced [GdRGL+01, UPPS+21]. Evolution [DB02, MFM85, SI97, BVJE19,
CHG+18, DW02, DCL+13b, HHB+00, ILI+12, Jer65, JW01a, Keg97, KBSB18,
Lon85, LB02, NW87, NC80, ÖUT93, STB+92, SMG02, SK21, SV97]. evolutionary
[BB14]. Examination [PKF02, PBBH].
exacerbates [LHC+21].


Examples [CJMO87, CHG+18, Sei63]. exceeds [LHW+20]. exceptional
[CBB+19, CBB+22a, FBB+21, LLS01].


Exchange [BC9K94, BBF+22, vWMH98, ARDP14, BBS21, BS95, BCR+13,
Hutt95, HHB+22, KAG+19, LTSG13, RDC+21, VGLCS06, WDMWK98,
WBA+22, WC15, WH89, WST+16, YN20, dIPHF+15]. exchanges
[BATNP04, DMS+18, EMK+17, H000, JOBT05, LLH+21, LZW20, PMC21,


exercise [PPPdS20]. exhibiting [BB14]. existing [DTC+06]. exopolymer
[MPM+17, ORMR+19, Pas22, RTF+05]. Expansion
[RSB+15, BCT+09, OBD+20]. expatriates [OWR+07]. expedition
[CP19, MPTMK22, NBR+08, SKF20]. expeditions [Wls64]. expendable
[Mol22]. experienced [FG16]. Experiment [AYK+05, KNI+05, MKS+86,
BBM+14, GCZ+00, KIS+05, LFCHS+13, MWJ+08, NH88b, NKK+05,
PLJR22, RF17, STB+92, TT05, VSA+21, dJLS+20]. experimental
[SFAD+90, SEW11, SPN98, ZKK+16]. experimentation
[CD9S0, SFAD+90]. Experiments [IST+88, RD11, BRB+01, FB01,
GAM98a, GAM98b, HHP06, JTW+01, Leg91, LGG18, McD81b, NHS+14,
ÖHU89, SMGL01, SCS10, SPK+19, YN03a, YN03b]. expert [YRKC08].


explain [BM01, LBP+21, MGHG19, XWL+18]. Explaining [NGPH01].


explanation [Dea85, Due77]. explicit [BDL08, CMS+13, LLS01].


exploitable [LAP10]. exploiting [PL09]. exploited [hHRW+05].


exploitation [BHMS09]. exploratory [PKP14]. explored
[MCGS+16, WZC20]. Explorers [GBB96]. Exploring [ADV+18, CLCBB19,
LSF+17, MRH+18, RDG+21, RDP+21, WSS15, ZCA21, LFG10]. Export
[AYK+05, Law04, BEI+20, BT07, CWZ+20, DCKB13, GMAB07, HLM+13,
HGH+19, HPZC21, KLB+21, KV13, LBNNM13, LKKB07, MMG+11,
NNFL21, PHK+17, RWOA01, Rud89, TLM+17, TDK+16, WGZZ19,
WHBW03, WPW+14, YHM+18, YSN20, ZDM+20]. extended
[CN22, Fei03, Fei04, HHW20, PPVG12].


Extension
[WCX+21, Tom81b, LMC+20, QNK+22, WZ19, YTNK00]. Extensive
[HTG15, Hut92, INI+17, SDL+19]. extent [DLD+19, GTS+21, HKN+14].
external [ZGZ19]. externe [Ber65c]. extinct [RPRCA+21]. extinction
[CMF11]. Extraction [Coo69]. extraneous [AF10]. Extrapolation
[GMD20]. extreme
[BBB+21, FDB+21, GPEV20, KM22, LEDR+22, PKA19]. extremes
[CBB+22a, OWH14]. extrime[Bou65].

F [Ang80, Ang88]. face [LOO22]. facies [Ike88]. facilitating [GBC+15].
facing [ORPRC22, Val99b]. factor [BWMGB08, CGD+18]. Factors
[BPP+98, FPIJ85, STF+13, SNMW10, AH10, CMC+16, CPG08,
CDBG21, DDE+95, GilKX22, HBM+99, HMY+12, HKPV12, HMKFO8,
HFO90, Li14, LLGS21, MVN+15, MRAP22, MS17, MRH+14, NCC+15].
facts [Hic79]. faecal [RWOA01, WYT00]. failures [KMOM88]. Falkland
[WR00]. fall [BDC+08]. family [MKD90, MMK19, MSFZ19]. far
[RSG06]. Farallones [JSA+08, WDMC02]. farm [CTA16, FvBA+17]. Faroe
[HØH+03, HO07]. fast [CTP+18]. Fe [WH20]. feasible
[ATT+08]. feature [PHKS01]. features
[BAARB05, BSA06, CB06, CMF+18, CdTH+16, CdD+15, Ken88, KSK21,
Kra69, KAAK+16, Lie86, LLH+20, STC10, TZP+00, WR00, XYL+22, Zez90].
February [Ano22w, Ano00d, Ano03e, Ano08s, Ano13l, Ano15n, Ano16p,
Ano17m, Ano18], Ano19m, Ano20m, Ano21n, Ano22r, YYC+18]. Fe cal
[SE92, Turn15]. Feeding [BHS+15, CSM+15, FLST98, SCAAO7, SMN+13, SPK+22, BOMdP15,
BSH+20, BMG+19, BPSN+21, CNT+19, CCG07, CPO+19, CPG08, CCS+21,
CCM+14, DM13, DAF+22a, DAF+22b, GBM+01, GA10, GD91, GSC+20,
HWBTO3, IVR+13, KTIT22, KVNT20, LdSH+15, LRJ+15, OTN20, Roe84a,
RB84, SE92, VWDF14, WHBW03, YHLA+04]. female [Nie07]. females
[Fernández [MPM+18]. Ferrol [CVHM+18]. ferromanganese
[Gl22, VC04]. fertilisation [Qui15]. fertilization
[Pei03a, SSH+05, SHS+05, TSN05, YFY05, ZCD08]. fertilized [TNS+05].
FESOM [SKWVG18]. FGGE [MGK+86, MFMS+5]. Field
[HCGK11, YCP+12, BKB85, CCH+12, Emil85, TFG+11, HLPL05, Jac10,
KSY+19, LRS+03, ORCH+19, RAHR+05, STB+92, TM13, WPB+08, XLM+20].
fields [AR18, BJMP19, BJMP20, KM22, MFMS+5, RLS+5]. fifty [HDZY15].
Fiji [Rot65]. Filament
[ILI+12, ÅSDB+01, ABT+04, BIST01, BATNP04, BFH01, FRK+09,
GMAMB04, HBB+01, HPS+01, HCAF+20, JIT+01, NIF+15].
filament-eddy [BATNP04, GMAMB04]. filament-like [HCAFD+20].
filaments [BA04, KCPM09, SFMA20, YHLA+04]. Filipjev [MSFZ19]. filter
[MZGA+20]. final [Ano94k]. find [PPPdS20]. Finding [TRLA+13]. Fine
[AGD+18, CTF07, DRVMC+22, DIQJ21, JHW+14, MCB+90, NBLI20, 
SWP+13a, GBC+16, LL21, Sie69]. Fine-scale
[AGD+18, CTF07, DIQJ21, JHW+14, MCB+90, NBLI20, GBC+16, LL21].
finer [BMGN15]. finger [Sch03, YN03b]. fingering [Kmu03]. finite [XY21].
finnarchicus [BMK12, BTNK13, DBM17, GHF+21, GPC+03, HMP+13, 
HRA+08, HBR11, MRH+14, SDH+14, SAB+21, UB10, WBC+22, WSH15].
First [GHSC19, MDR20, PSP+21, PMFNGQ21, War06, AM19, BC19, 
MWS+10, WHG+16, YTL+19, MGK+86]. Fish
[ESA+13, ICB+19, LBC+15, SGF+19, ARD+03, AHP19, AIA+15, ASB+08, 
Bak01, BBLD+11, BF89, BJ90, BCL+09, BAP+22, BFV+17, BB10, 
BHS09, CJR+13, CBOP15, CTP+18, CRF+10, CCB+20, DWNN04, 
DDK+18, Do10, DPF+18, DHHP18, DPM+09, ERT+22, FTC+16, 
FARRL+13, FFS+20, FGGDF+04, GD85, GFB+15b, GFB+15a, GCG+14, 
GDM+15, GAPM16, HM90, HLS+14a, HHW01, HHW22, HAA+14, HSL96, 
KSVT00, KYS+17, LSY+14, LAP10, LLAPG+22, MRM+14, MRAP22, 
MST13, MKB00, MHS+09, MAFS+22, MVBC+21, NPO+19, OMR+22, 
OMK+22, ORB+18, POS+07, PRTC13, PAB+21, PHFK14, PCR+22, 
QLW10, ROBRB+22, RTBR+22, RBHLA04, RB84, RFC+15, RG94, 
RBE+12, RSB+13, SOS+07, SCD+07, SLPA+20, SCC+19, SEG+22b, 
TCL+20, TKW06, TS10, THM+14, UKK+19, WWL+22, XYL+22, YAK+08].
fish-induced [TS10]. fisheries [BN03, BBSN04, BECA22, BDE03, CLB+13, 
CRT+22, CWS+21, CL03, FFA06, FPS+13, Hca12, JPM+08, JOGM+10, 
JHDT12, JBB20, KN10, KN11, LNB13, LMP22, MEST13, MBE+14, 
MCE+10, MCG+14, ML09, MPN09, ORPRGIS22, SRAV19, SP10, TCF+18, 
THM+14, WWL+22, WLM10, YBS+01, ZLKO00, ZLS+04].
fisheries-based [FFA06]. fishermen [JBB+14]. fishes [BDT+08]. fishery 
[ACN01, BW08, BMN19, FBM+08, GRDS10, INI+17, JBB+14, KHL12, 
MCL+15, PWZ+16, RS04, TNGP22]. fishes
[ACB+13, BM76, BLI+99, BOMdP15, CRT+22, DCKB13, EKB06, EBD+20, 
ESD+21, Hob10, hHRW+05, Kos93, MGS90, MS17, MM80, MMPG07, 
OHC+17, OCH+18, OT19, PSA+19, SGF+19, SKF20, SPK+22, TCF+18].
Fishing [GCF+19, SENS13, AKAL20, BDLO8, ERT+22, GAF15, MVV+19, 
NHS+14, PG10, QLW10, SS13, TKW06, TSJC07, VB3+20, WJPHB15]. fit 
[GCCY+14]. fitness [LLAPG+22]. five [BJMP19, BJMP20, DHC+20, 
DAF+22a, DAF+22b, DSAB20, GSFP+09, HSG+15, HSC+16, LS15, LWY07].
fixation [LFBR+18, WCC+20, WFBN+13, ZCD08]. Fixed
[CNBD21]. Fixed-point
[CNBD21]. Fjord
[MSV+14, CKB+17, FB05, GHVG19, HWPLvW20, KYT+16, KSKN21, 
LSV14, LHP+05, LWT+20, MTC14, PTM+22, PVM+20, RBL+19, RPSVLS14, 
SWZS+21, SST+17, SPW22, VLCCP14, WZBK+21, ZHSMIM14, ZCLS20].
Fjords [FF83, IPD14, SV14, CCM+14, CBPS+22, CTI+19, GHVG19,
GCD+13, PMA+14, PSGVS+14, QOS+22. flapping [Ric22, SSB14]. flat [DOP87]. Flatfish [WHI+02]. fleet [GRDS10, PPSV+18]. flemingeri [Mil88]. Flexible [CdD+15, BPA+21]. flexible-stoichiometry [BPA+21]. Flexicover [Ho81]. flight [Sac16, SSB14]. float [RBS+20, RBS+22, Ric93, RLC85]. Floating [PHF+14]. floats [KSK21, LS20, Owe91, PL18, RBZ00]. flood [Whe06]. flood-dominated [Whe06]. floods [FBB+21]. floor [SW65, TCL+15, WGCS13, vHCY+20]. Florida [KAK+22b, AC85, LW12, MZ14, RLL+09, RLG+10, WWL+22]. Flow [Rei86, Rei94, BBS21, BHPC06, CSLJ03, CTP+18, Dav85, FAAF88, FMWW14, GL06, GD91, HCAF+20, HKGH+06, Hol00, HSH97, HS02, JFEC13, LSM+22, LG+18, MMGL+07, MFS+07, MTL05, No+03, Rei97, Rei03, RBE+12, Sak86, SHS+05, TMN+12, TM13, TWMY08, TG05, THM+06, TSP+13, dJSL+20, vAB96, BBF+22]. flow-through [HSH97]. flowing [FZ88]. flows [FTG+11, GvOSW11, KCL+12, Mil14, Pra04, SDJ14, TMP+16a, TMK+09, TFM03, VBL04]. fluctuation [FWL+15, R86]. fluctuations [AGM+16, BBL+18, CSMG19, CD65, DL69, Don05, LFI+13, NIH88a, QLY+22, RCD+94, RFS10, SLG+12, Seg69, SEG22a, SDO+14, TMN+12, TRLA+13, Zen08]. fluid [GD91]. fluids [MSV+14]. fluorescence [MZ14, MSMH19, SAT+22]. fluorescent. flux [AGL+15, BSC+19, BSV86, BS02, CKP+20, CHC+12, DDD+00, DOS+18, DRD+07, FUOG+16, HLM+13, HDB13, Jön07, LPA92, Law04, MGG+11, MDC+07, NMK+03, ORW+01, Oli15, PG13, RCS+11, SPG+06, SG91, SW01, SDS+22b, SW65, TRLA+13, TSG+04, TWBC+13, VK90, WZFW16, WCB20a, WYT00, WRH+06, WHBW03, WBH15, XCH+16, YHM+18, ZPY+20]. flux-rich [TRLA+13]. Fluxes [FPD+01, AAML22, ASD+01, AYK+05, ABT+04, AT07, BIST01, CFG07, CF12, DDDT99, DV+18, EHSI12, FLUC08, GDI+09, GCD+13, GIPG17, GB+19, GLBB22, Hea12, HMKF08, KKS+18, KNS+09, KZSH85, KF11, KHC+99, KTB+99, KSPK99, LBNN13, LPB+21, LGZ+20, LvIKB07, LFCSV+13, LDH+20, MHGP06, MLD+03, MFM85, MSL+07, NIF+15, OKdA+19, PGLG+05, RCB+20, RAP95, RGI05, RGE22, RCSVGP+16, SLBR18, SCCJ+18, SBB+22, SCT+00, TFO2, TCDPP+22, TSC03, TDK+16, TDL+17, TSP+13, WJE+92, ZFSV+09, dPHF+15]. flying [ATT+08, IIS+17]. FOCE [SPK+19]. focus [BZD+21, DRVMC+22, Rud15, SJM+19, TTB+08b]. follow [VKGP+13]. following [PPB+22]. Fonera [PGL+05]. Food [Bon88, CLSD18, CW06, CFML22, GvOSW11, GWK17, IBW+01, JE92, OPG+10, WRH+06, AHW+15, BHA+14, BAOC+07, CLSP17, CP10, CBC+06, CPPPEAG22, CSV+07, CSBL+15, CSC+12, DJW+18, DY+10, DTOD00, DRL+22, DWC06, FMC+15, FTG+11, GAF15, GSM+17, Hea12, HKGH+06, HNL14, iIYO+10, LK13, LLL+11, LCBN14, MRA+19, MGC+18, MCH+12, NYL+17, NMC+09, PVG+20, Pei03a, PG10, Pow06, RMC+15,
fresh [JAJS08, Jón07, TAW+15]. Freshening [ONR+14, CRPS+15, WWSJ07]. fresher [HMH07]. Freshwater [BSF95, SSQ19, Tal08, BvDLA+11, BF11, CTI+19, DRD+07, HS07, LLH+21, MTC14, MWS+10, NBR+08, RFSCF19, RGM01, WHS17, Yas07a]. freshwater-influenced [RFSCF19]. friction [LL97, Mun97]. frigatebirds [WLKM10]. fringe [CBB+22c]. Front [Ano17i, Ano17j, Ano17k, Ano17l, Ano17m, PHKS17, STC10, VFS+15, CMG+16, FGG+85, Gou85, HFP06, MSI17, OC06, PHKS01, Ang89, EZ+21, CHSB+21]. frontal [BSMC15, INI+17, VFCC+22, CLV+19, HBB+17, JOBT05, Kaz17, LL21, LLGS21, NMO+21, RLL+09, Tom81a, WMB+21]. fronts [BCS09, BZD+21, BTSS22, KZSH85, LB14, NXT+17, PO15, Pra22, SDP+22, Sot94a, XNT+17]. frugality [MHGS19]. fucoxanthin [CMG+16]. fuegensis [CCM+14]. Fuegian [PMA+14]. full [CN22, LGF10, PST+15]. fully [RFC+15]. fully-coupled [RFC+15]. function [FM07, HKGH+06, MLR09, Nee85, PBH+10, TAM+13, VBL04, VHK03, Was06, ZWM+15, VHK04]. Functional [FAB+09, KST03, AN15, ASR+20, BPA+21, BMG15, BMDMS+21, DDK+18, EGM+20, FTC+16, GDM+20, GHN19, GDI+09, Ho10, JG90, LMS10, LBP+21, MCP12, Pe03b, RLP+18, TSL10, VWDF14, WSF21, THB19]. functionally [MHS+09]. functioning [BGM+99, CDL19, CSG+15, CCB+20, EAL+07, ES07, GRS08, MCC+18, TCS15, TDH+95, VPM+19]. functions [TCL20]. fungi [BRC+18, CJG88, GGT+15]. Funiculina [PRA+18]. funnel [MCC+16]. funneling [She65]. Further [BB65, iUMY86]. fusiformis [GA01]. fusion [VVV21]. Future [Tho87, BW08, BCD+20, CCM+13, CBGC+08, CSS+19, CBOP15, Den87, GPP+16, HM15, Hob10, IYH+01, KKK04a, LDHM09, MDC12, NPO+19, NW87, OVG16, PV18, RDG+21, RSB+15, SDH+14, SA+17, SBB+14, SPK+19, SJ18, TMAGC+21, WAH+20, WDC+11, WL15, Was15, WH89, vds94b]. fuzzy [JPM+08]. fuzzy-logic [JPM+08]. FVCOM [CGZ+16, LC22, SCB+16].

[SBD01]. Generation
[CBB+22a, BSA06, CCRS20, ORMR+19, PLK14, TCN20]. genesis [OC06].
Genetic [GBG05, ACK+13, BBFS19, HTG15, NMM08, RK20, RAG+19, UB10, WPBG+18].
Genkai [MKM86]. Genovesse [Bru88, SMB98, Sie88].
[AVJ+02, MCCS+16, CM11, JFG+90, Mor91, VSBC21]. Geochemistry
[MSV+14, AS20, CKB+17, CES4, GSV+01, LYZ16, Soh03]. Geochronology [RANS65].
geoeconomical [Ola65a]. Geographic
[HRSM08, iIRM+15, MMPG07, QOS+22, MRH+18, SAY+16]. Geographical
[ZHBW01, HPB+09]. geoid [NB87]. geological [RLT+22, Sei63, Gor92]. geology [SC90].
geomagnetic [EM65]. Geophysical
[KPG+07, KAG+19, Rei86, Rei89, Rei94, Rei97, Rei03]. geomagnetic
[RAB+11]. Geophysical
[CBPS+22]. Geophysics
[VH09a, VH09b]. Georges
[BBL+09, GGJ+10, SCB+07]. Georgia
[FDM+13, GKS+13, GDM+15, LMH+13, LC10, PMC16, PM13, RHBS13, STF+13, AW13, AHC+13, ESTM13, Ham87, IOCS13, LAP10, MGF+13, MP13, PBN13, STC10, SLH+19, WMWR08, XCH+16]. GEOSECS
[JvdLL+15]. geostrophic
[CP07, KAG+19, Rei86, Rei89, Rei94, Rei97, Rei03]. geothermally [YYK88].
GEOTRACES [AH15, BGR+15, HM15]. German
[PDV12, VPH+12]. Geryon
[AHRT90]. Ghir
[AAM+14]. giant [JPBB20].
Gibbs
[Fei04, FH95, Fei03, FM07]. Gibraltar
[BMC05, CGMP14, SGMP15, BPGC+20, BCR+13, BCK94, Dea85, FAAF88, GR85, MMGL+07, MM90, NGLSSG14, Rie94, VGLCS06, dPHF+15]. gigas
[ATT+08, BGMM+10, RS10]. Gills
[JG90]. Gioia
[CFM+82, CGLD19, PRA+18]. given
[MEMC05]. Glacial
[Bro82, HN98, TAF+22, DPB06, DYL+15, DCL+13b, HHR+19, KSKN21]. Glacial-interglacial
[HM98]. glacier
[CBK+17, GHVG19]. glacier-fjord
[GHVG19]. glaciomarine
[ZCLS20]. gladius
[SYB+15, YGL+10]. Glider
[KHD22, MBDM+18, PO15]. glider-resolved
[PO15]. gliders
[RZTD17].
Globa
[MGK+86]. Global
[CAI95, CSS11, DPCS87, GRMB18, JTG10, KT97, LSH+22, MBS20, MNN12, OVG16, PBO10, SDJ14, TAM+15, WQ08, AGS10, Arb22, BBBC+22, BDLW14, CWS+21, DEW+97, ERBV21, GJ00, Gri22, HS07, HGB+21, HHDS02, HTG15, HMKFO8, HMH+15, IHY+01, JVB20, KV13, KKKY10, KKO10, LGZW22, LM97, Mac98, OWH14, PAB+21, PSA+19, PHKS01, PPD+12, RG09, SE08, SE09, SBB+22, Tal08, TMH+16, TAM+13, VWDF14, WSS15, WSO01, Whi95, WBH15, YAK13, ZCD08, CGZ+16].
Global-FVCOM
[CGZ+16]. Global-scale
[SDJ14]. globally
[LRW+15].
GLOBEC
[Ano10a, BPW10, BK08, EAL+07, PDV12, PBOW10, PBH+10, SWP+13b, VPH+12].
Goban
[BHE+98, FLDS98, LHEB98, OB98, TVW98, FMHO2, vWH+S+98]. going
[SWP+13b]. golfe
[Ber65b]. Golfo
[CTF07]. gonad
[Nic07].
Gondwanaland
[PA95]. good
[GEPC15]. gorbusha
[KBF+08]. Gorda
[CSR90]. Gordian [HPNDCl5]. gorgonian [GA+16]. Gorshkov [Ang79a]. governing [BP+98]. Gower [Ang88]. gracilis [VMH+21]. gradient [BMdMS+21, BGWP+17, CBL+19, DWH+14, GCD+13, KLC+15, LvIKB07, MCD+14, PCH+08b, SST+17]. gradients [BLES16, CSG+15, FBD18, GBB+19, JTD+14, SPMVP05, VKGP+13, XWL+18, ZLR+07]. grain [PPSVC+13]. Gran [Ano09]. Grande [FBT+22]. grandis [RK+20]. graph [DYO+10]. graph-theoretic [DYO+10]. gravimetric [LM97]. gravity [Arb22, KCL+12]. grazer [GBH+20, VPM+19]. Grazing [Dag93, NYL+17, TKS08, AGS10, Ban96, BM07, CMC+16, HHH+01, LGK+93, LMS93, LOG+09, LHP+05, LPHL+05b, LPHL+05a, MFB+84, MC88, SPB93]. Great [BLAM00, Leg91, WLK+10, BLAM98, DMM+88, Her97, HT97, HPHW21]. Greater [ROBB+22, RLR+18]. greatest [UKK+19]. green [YFK+21, TAM+13]. Greenland [JJR+08, JAJS88, JJ08, MFM+15, NBR+08, BS95, HBL+13, HJLL+07, HHR+19, Leg91, MLS+15, MWJ+08, MDR22, ON22, RN06, SBK+95, Ste91, SP08, SBS90, VEM+21, WBI].

Greenland/Norwegian [BS95, SBK+95]. gregaria [CSMG+19]. grenadier [MMPG+07]. Grey [NBL+20]. grid [CTA+16, SZG06]. gridded [DPF+20, VR03]. grip [Nof03]. groenlandicus [FJH+10]. gross [SMP+22a]. ground [BPSN+21]. grounds [CPO+19, KKKY+10]. Group [Ano94]. Ano03b]. WHG+16, CSS+21, FAB+09, GKR+20, Hof10, SEG+22b, VSGD21]. groups [GDI+09, LSM+22, LMS10, Pei03b, XWL+18]. Growth [Hey78, LS12, MPD+22, BFB+20, BSF+21, CBHL+07, CCS+21, CWS+21, CP02, DIQ+21, GiKK+22, HLR+17, HBL+13, HPNDCl5, HCGK+11, iIRM+15, KSY+19, KSKN+21, KLIRK+17, Kru+19, LMS93, LOG+09, LHP+05, NM88, NKK+05, RvBD+22, SIR+07, SKSK+06, SJD+10, VDB+20, WPW+14, YHRT+22, YHLA+04, YAK+13]. grypus [NBL+20]. Guadalquivir [CN22, GEPC+15]. Guadalupe [GPEV+20]. Guiana [CdTH+16]. Guinea [Beri65b, KLP+17, NM17, Ver92]. Guinée [Beri65b]. Gulf [AAML+22, FTG+11, SRFH+22, AC85, AJHC+19, BDB+04, Ber65b, BHP+06, BF12, BD85, CD+13, CHC+12, CD07, CCH+12, CBT+07]. DDDT+99, DPM+09, FELGM+22, FSAO+22, FFS+20, FTG+18, Fug63, GPE+17, GMD+22, HSML+22, HKL+15, Ham87, Ham09, Hen85, HHD02, Her88, Hoo85, JIA+13, JSA+08, Kli10, KLP+17, KAH+16, LR07, LKDL+14, LW+20, LEDR+22, LdCSB+20, LCANAS+07, LCP+10, LS85, MB+20, MDAW+19, MPSD+15, Mif93a, MPN09, MKSW+15, NMLB+01, NM17, NHH+21, NAH+21, ON05, PP+12, PG+13, PH08a, PBBH+22, PCR+22, ROBR+22, RLP+18, RANS65, RKC+10, SGL+13, SCH+22, San15, SGMF+14, STG+18, UPPS+21, Ver92, WM13, WDM+89, WD94, WFB+13, WW22, WBC+22, WDMC+02]. guts [RMB+01]. Gyre [CMJP+18, DLE+08, GIPC+17, HPC+20, LBS+01, LSGM+01, Ang79b, BDTC+15, CRGA+17, CBB+22, DMT+15, FCMC+19, GNTK+21, HPB+09, HLM+16, HHH+00, MCD+14, MD07, MFB+84, NCH+07, PAF+11, Rea00, TST+17, VBV+05, Whi95, CMI+18b, FGR+06, Pre86, RBS+20, RBS+22, SGLF+13, YHM+18].

gyre-scale [Whi95]. Gyres
[SPS+99, BLI+99, FK99, HBV+99, HMPZ11, SWT+17, WQ08, ABD+17, SJ02c, SJ02b].


**Heterogeneities** [Mi14]. heterogeneity [DJW+18, DBJ+15, GLV12, HHK+22, IHR+18, RLT+22, SJ18]. heterogeneous [DIQ21]. heteropods [BGWP+17, WPBG+18]. Heterotrophic [BVB88, VCB+00, BGM+01, BLP93, DLM+12, GASV+09].
ideas [Rud15]. IDentification [GDN+18, CGG08, MHR+10]. identified [NMN08, YSS14]. identify [RRS03]. Identifying [GKC+14, KFH+15, RHBS13, HRA00]. if [Ano17i, Ano17j, Ano17k]. IFC [Ano13h, Ano13i, Ano13j, Ano13k, Ano14a, Ano14b, Ano14c, Ano14d, Ano14e, Ano14f, Ano14g, Ano14h, Ano14i, Ano14j, Ano14k, Ano15a, Ano15b, Ano15c, Ano15d, Ano15e, Ano15f, Ano15g, Ano15h, Ano15i, Ano15j, Ano15k, Ano15l, Ano16a, Ano16b, Ano16c, Ano16d, Ano16e, Ano16f, Ano16g, Ano16h, Ano16i, Ano16j, Ano17b, Ano17c, Ano17d]. ignition [USH15a]. II [´AS´AB+14, CP19, HMO+13, KSD84, MPCNC+19, McD81b, MAB+11a, NKK03, NF87, SKF20, TTB+08b, Tol85b, WPB+08]. iii [Ano86j, Ano92i, CKT+13, MAB+11b, Sim84]. iii-xv [Ano86j]. illuminate [CRS04]. illus [Bak83]. illustrations [Ang80]. image [Ano17i, Ano17j, Ano17k, GPAB+16, MERB12]. imagery [CN22, OP18, RRS03, VOT+99]. images [SW92]. imaging [CTP+18]. Imbalance [RSB+01, DHB+21]. Immature [CBB+22c]. Impact [AdAK+18, CZG+21, FDB+21, GCB+22, KNNS+09, LNBMB13, MXC+21, MHS+20a, MHS+20b, MK12, OvdSN94, PPSVC+13, REG+15, SKT01, TMR+21, VTGC19, WBA+22, WW02, ZDM+20, ASFB+13, AH15, BWMGCB08, BF12, CRPS+15, DaV+21, DHB+21, EBR+14, FB01, HKL+15, HPS+01, HHR+19, HKPV12, HSL96, KTN14, Kat18, KAG+19, KGI+10, MAB+11b, MJ+17, NDEG22, NRA17, PTM+22, RH+19, SLBR18, SCHBC+22, SNR+10, SAS+18, SAB+22, SST+17, SPB93, TKSI08, TTB+08b, VBL04, XYL+22, YYT+14, ZKK+16]. impacted [MGC+18, PBB+20]. impacting [CGD+18, HPNDC15]. Impacts [BDTC15, BDT+08, GPEV20, HDA+16, INI+17, KKKY10, LM10, RCB+20, XL+20, ALG+21, CHTM+21, CTA16, CWS+21, DNNN16, DAIS10, GMD+22, HMWM00, HRSM08, HWLT10, HSC+16, HBW17, HWF+21, KS15, LSH+22, MVR+15, MC10, MBH+01, MS00, MV+19, PFHM16, PL01, PG10, Pr97, RDR+18, RCSA01, RAB+11, RKC+10, TNGP22, TKW06, TPRS10, THM+14, WSL20, WPBB15, ZLKO00]. impaired [dJSL+20]. imperative [KN10, KN11]. imperfect [BECA22]. implement [CP10]. Implementation [MPC12, SJP10]. implemented [BFPS06]. implication [Gam14, STHM02, Tvg02]. Implications [BSA06, CCS+21, Gal17, INI+17, IHT+21, LLL+11, Law04, LRGV+18, NGPH10, OBD+20, OOTA15, Ric01, RS10, RLR+18, SSS+11, SFS+12, SBH+14, SMN+14, THM+14, Ang89, BM+15, BEP02, BD18, CB06, DVB+18, GAF15, HRSM08, HY+01, JC04, JG90, LL21, Mor91, PWZ+16, Rebo2, RGM01, RCRSHW22, SJ18, SPW22, TBWC+13, TCF+18, VB14, WWL+22, WBB15, WL16, ZL01, ZHD+20]. implied [CBB+22a]. Importance [HLK13, She65, BCR+13, CLSP17, CMC+16, CLB+13, DWC06, HFS+20, LM14, MDC+07, MCH+12, RGC+01, SRT+18]. important [KFH+15, NXT+17, SFS+12, SSV+11, VBA+18]. improve [CTMV+14, MAFS+22]. Improved [HHWW20, TAM+13, RAB+11]. Improvement [PPVG12]. Improving [KM22, PRC+20, HKL+15]. in-
[Mil14, Sek88]. **In-flight** [Sac16]. **in-flow** [CTP+18]. **in-situ** [BGR+15, SNS+22, NIF+15]. **incidence** [YHRT22]. **incidental** [HYM+12]. **incised** [JFEC13]. **Including** [MCH+12, BFP+18, PMG15, TGJT09, ZHSM14]. **Incoherence** [CGW+22]. **Incoherent** [CZW+22]. **incoming** [ZKT88]. **Incongruous** [Wil87]. **Incorporating** [Arb22, KMB01, FPS+13, PRC+20]. **increase** [CKB+17, Cra09, LAP10, SDGVE17]. **Increased** [SPW22, DBJ+15]. **Increases** [Woo18, AvD15, HLTB+17, PPSV+18]. **increasing** [RPG+18, VFS+15]. **increment** [ATT+08]. **incubation** [SFAD+90]. **Incursion** [ZJJ+21]. **Independency** [TWMY08]. **independent** [CDDF11]. **Index** [FHG03, SMG02, Ano63b, Ano63d, Ano64c, Ano65a, Ano65b, Ano65i, Ano65j, Ano65k, Ano69a, Ano69d, Ano73a, Ano73e, Ano85b, Ano85k, Ano86a, Ano87i, Ano891, Ano90d, Ano92a, Ano92J, Ano93g, BC45+18, CWS+21, KC15, PM13, SMN+14, dMM69]. **India** [JJA+13, JJA+17]. **Indian** [Ang79a, JHM+22, KRL08, PFE10, PAF+11, SBC+16, SMP07, ATC+19, Ano94c, CVBG21, CRF+10, DAVD+21, Fa165, GCS91, HGT16, HBW17, ICB+19, KS06, LSW+21, MKM93, MMF+07, MYH+22, MBKS08, MFA+15, Rei03, REG22, SM01, SDS02, SDS22a, SVU02, SAM+10, SW22, SR15, VSA+21, VV21, Wis65, XWW+21]. **Indian-Ocean** [MYH+22]. **indicate** [ECFT20]. **indicates** [dJSL+20]. **indications** [HYM+22]. **Indian** [Ang79a, JHM+22, KRL08, PFE10, PAF+11, SBC+16, SMP07, ATC+19, Ano94c, CVBG21, CRF+10, DAVD+21, Fa165, GCS91, HGT16, HBW17, ICB+19, KS06, LSW+21, MKM93, MMF+07, MYH+22, MBKS08, MFA+15, Rei03, REG22, SM01, SDS02, SDS22a, SVU02, SAM+10, SW22, SR15, VSA+21, VV21, Wis65, XWW+21]. **Indian-Ocean** [MYH+22]. **indicate** [ECFT20]. **indicates** [dJSL+20]. **indications** [HYM+22]. ** indirect** [Szu12]. **Individual** [BEP02, BSH+20, BLT+08, BAP+22, CMS+13, DSBP15, GBH+20, JAC+12, PGS+22, SK17, TMR+21, WPB05]. **Individual-based** [BEP02, BSH+20, BLT+08, CMS+13, DSBP15, GBH+20, JAC+12, PGS+22, WPB05]. **Indonesia** [SNR+10]. **Indonesian** [MMF+07, PCBA+20]. **induce** [LPHL+05a]. **induced** [BAB+14, BHPC06, CDH+13, CLB+14, CKL+14, Dav85, FLDF22, HZCZ16, HE07, HCGK11, KKB00, LOO22, MLL+22, MMGL+07, NTU+14, NNM+21, OC06, PPSVC+13, SZG06, Szu12, TSAM+22, TS01, VBM21, XD96, YHILA+04, Yux88]. **induces** [DBR03]. **Industrialised** [Ang80]. **inermis** [CNT+19]. **Inertial** [Hen73, IDAN13, KWI20, Lie88, PFM+22, SSL07]. **infaunal** [IVR+13]. **infer** [TSS+12]. **inference** [Egb97]. **inferences** [OPG+10]. **inferred** [ADS+22, BSF95, CDDF11, FCN+19, OMS+09, Oát+05, PPHM18, PCBA+20, SBC+16, SOB+08, SCC14, TBS+19]. **inflated** [HLJ+16]. **inflow** [GHF+21, HO+03, MM01, MIN+20, NBHM01, RKS+15, Woo18]. **Influence** [AGS10, AJH19, CSV+07, CPQ08, DOP87, GdRGC+14, KM10, KTW+22, Lav09, MJA+07, NKK+05, PFE10, ST03, SHd13, SJJ+03, SBG16, SJ010, SLH+19, WClX+21, WPB+08, XNT+17, YAK+08, AR18, CLSD18, CGW+22, CPPPEAG22, CTh+16, CS03, Cra09, Dri11, GJ+10, GTS+21, GdKX22, HWL+20, JH+14, KAK+22b, LSXT01, LBF+18, MBP+11,
MHTG10, MHCR12, NGNV12, Ore69, PJS12, QOS12, RBNJ12, RBHLA04, SL16, SM12, STEB16, Sek86, SNZ19, SCC19, SBD7, SK21, SPN98, TSG12, TDK12, ZPY20, ZZWL10, vRGW10]. influenced [BEP02, GCFS06, IVT12, RFSCF19, SM05]. influences [BPF06, BMG13, CSG15, HEF12, MVBC21, Qiu15, SWZS21]. influencing [LZCZ05, SNMW10, XD96, vHMDL14]. info [Ano13h, Ano13i, Ano13j, Ano13k, Ano14a, Ano14b, Ano14d, Ano14e, Ano14f, Ano14g, Ano14h, Ano14j, Ano14k, Ano15a, Ano15b, Ano15c, Ano15d, Ano15e, Ano15f, Ano15g, Ano15h, Ano15i, Ano15j, Ano15k, Ano15l, Ano16a, Ano16b, Ano16c, Ano16d, Ano16e, Ano16f, Ano16g, Ano16h, Ano16i, Ano16j, Ano17b, Ano17c, Ano17d]. Information [Mol22, AGD18, BTNK13, BBE03]. infragravity [LH08]. infrared [VNMS91]. infusion [RG03b]. ingestion [BD20]. inhabiting [GVBV21]. Inherent [LC10, SRG19, HHMB09, WMB18]. initial [HHMB09]. Inland [YFY22, Ber65a]. Inlets [TSC03]. Inner [FCN19, BD18, CAB18, CP02, MG02, PHC19]. inner-shelf [TNC09]. instabilities [SÜ94b]. Instability [WLL06, Hog85, VMN08]. Institutional [MCB10]. instrument [Dah69]. Instrumental [Szu12, Jer65]. instrumentation [SFAD90]. instrumented [NBL20, PHC19]. insular [CMM04, GIPG17]. Inter [ATC19, BK19, DOS18, HPZC21, LSV14, Md10, PPCWJ18, SMN13, VBAC21, YSY19, Yas07a, ASFP03, BRB01, CS16, DDK18, GBT19, MSD16, NBHM01, SSKA19, Sch03, Woo13, CDH13]. Integration [RKC10, BMB16, CFM18, JTMG10]. Integrative [Ano09h, FBA09, JGB20, HAA14, JZ19, MCB10, SMN13]. integrators [ESTM13]. Intense [ZCLS20, BBB14, MPN09, PPD12, RCC18]. intensified [MKOLA20]. intensity [AE09, BAOC09, FP03, GvOS08, LFI13, MK12, PLK14, ST03, Woh06]. Inter [DBM17, FCN19, HS07, LMPB16, MTC12, SNZ20, AMFY20, AMG16, BCOL19, CML18, DZ19, EHG07, FBS18, GLBB22, HDZ15, LW13, MB20, MCGR07, NRA17, OACB15, dPHF15]. Inter-annual [DBM17, FCN19, LMPB16, MTC12, SNZ20, AMFY20, AMG16, BCOL19, CML18, DZ19, EHG07, GLBB22, HDZ15, LW13, MCGR07, NRA17, OACB15]. Inter-basin [HS07, dPHF15]. interconnected [FBS18]. inter-ocean [MB20]. Interaction [MSd16, KBE22, KA16, LC22, LSW21, SMFM21]. Interactions
[MMF+07, PPy87, Val99a, AUE+14, BLP+20, CDP+14, DRVMC+22, Due77, Fly03, GCC+14, HBG+21, MPM+18, Pic01, RBL90, SCD+07, WLKM10, YLL19]. Interannual
[AUE+14, BGMP03, DWNN04, ESTM+12, IAFD02, LAA12, LBSP01, MPV12, Min02, MWO+12, NNM+21, PELAA18, PO00, RBE+12, SiSI+02, TBW09, Wu13, YNM+02, BMM01, BPM+14, CHC+12, CD07, CRHM12, FDHT05, GdRGL+01, GA10, GCED22, GTS+21, HBD+18, IIS+17, JAS+20, KST+10, Kat18, KSK+15, LS12, LBD11, MT99, MM99, OLH+18, PV07, PrF15, PDP+21, RDP+21, SLN+16, SAM+10, SAB+21, Spr08, SMJ+19, TBS+19, XWW+21, YII+04, YKS+12, YBP+08, PLJR22].

Interannual- [BGMP03]. interbasin [EMK+17]. Intercalibration [JF13, TSG+04]. Intercomparison [BSFM+12, NH88b, SWP+13b, BEI+20, BRB+01, BBDJ01, NP00].

Interdecadal [FBM+08, MNM06, MS00, MM99, MJWK07, RGM01, GCED22, Min02, PO00]. interdisciplinary [WH89]. interface [CD90, CEF+13, SVWRB02, SFAD+90, VPW01]. interglacial [Bro82, DPB+06, HM98].

Interdecadal [FBM+08, MNM06, MS00, MM99, MJWK07, RGM01, GCED22, Min02, PO00]. interdisciplinary [WH89]. interface [CD90, CEF+13, SVWRB02, SFAD+90, VPW01]. interglacial [Bro82, DPB+06, HM98].

[simulated] [MMF+07, PPy87, Val99a, AUE+14, BLP+20, CDP+14, DRVMC+22, Due77, Fly03, GCC+14, HBG+21, MPM+18, Pic01, RBL90, SCD+07, WLKM10, YLL19]. Interannual
[AUE+14, BGMP03, DWNN04, ESTM+12, IAFD02, LAA12, LBSP01, MPV12, Min02, MWO+12, NNM+21, PELAA18, PO00, RBE+12, SiSI+02, TBW09, Wu13, YNM+02, BMM01, BPM+14, CHC+12, CD07, CRHM12, FDHT05, GdRGL+01, GA10, GCED22, GTS+21, HBD+18, IIS+17, JAS+20, KST+10, Kat18, KSK+15, LS12, LBD11, MT99, MM99, OLH+18, PV07, PrF15, PDP+21, RDP+21, SLN+16, SAM+10, SAB+21, Spr08, SMJ+19, TBS+19, XWW+21, YII+04, YKS+12, YBP+08, PLJR22].

Interannual- [BGMP03]. interbasin [EMK+17]. Intercalibration [JF13, TSG+04]. Intercomparison [BSFM+12, NH88b, SWP+13b, BEI+20, BRB+01, BBDJ01, NP00].

Interdecadal [FBM+08, MNM06, MS00, MM99, MJWK07, RGM01, GCED22, Min02, PO00]. interdisciplinary [WH89]. interface [CD90, CEF+13, SVWRB02, SFAD+90, VPW01]. interglacial [Bro82, DPB+06, HM98].

[simulated] [MMF+07, PPy87, Val99a, AUE+14, BLP+20, CDP+14, DRVMC+22, Due77, Fly03, GCC+14, HBG+21, MPM+18, Pic01, RBL90, SCD+07, WLKM10, YLL19]. Interannual
[AUE+14, BGMP03, DWNN04, ESTM+12, IAFD02, LAA12, LBSP01, MPV12, Min02, MWO+12, NNM+21, PELAA18, PO00, RBE+12, SiSI+02, TBW09, Wu13, YNM+02, BMM01, BPM+14, CHC+12, CD07, CRHM12, FDHT05, GdRGL+01, GA10, GCED22, GTS+21, HBD+18, IIS+17, JAS+20, KST+10, Kat18, KSK+15, LS12, LBD11, MT99, MM99, OLH+18, PV07, PrF15, PDP+21, RDP+21, SLN+16, SAM+10, SAB+21, Spr08, SMJ+19, TBS+19, XWW+21, YII+04, YKS+12, YBP+08, PLJR22].

Interannual- [BGMP03]. interbasin [EMK+17]. Intercalibration [JF13, TSG+04]. Intercomparison [BSFM+12, NH88b, SWP+13b, BEI+20, BRB+01, BBDJ01, NP00].

Interdecadal [FBM+08, MNM06, MS00, MM99, MJWK07, RGM01, GCED22, Min02, PO00]. interdisciplinary [WH89]. interface [CD90, CEF+13, SVWRB02, SFAD+90, VPW01]. interglacial [Bro82, DPB+06, HM98].

[simulated] [MMF+07, PPy87, Val99a, AUE+14, BLP+20, CDP+14, DRVMC+22, Due77, Fly03, GCC+14, HBG+21, MPM+18, Pic01, RBL90, SCD+07, WLKM10, YLL19]. Interannual
[AUE+14, BGMP03, DWNN04, ESTM+12, IAFD02, LAA12, LBSP01, MPV12, Min02, MWO+12, NNM+21, PELAA18, PO00, RBE+12, SiSI+02, TBW09, Wu13, YNM+02, BMM01, BPM+14, CHC+12, CD07, CRHM12, FDHT05, GdRGL+01, GA10, GCED22, GTS+21, HBD+18, IIS+17, JAS+20, KST+10, Kat18, KSK+15, LS12, LBD11, MT99, MM99, OLH+18, PV07, PrF15, PDP+21, RDP+21, SLN+16, SAM+10, SAB+21, Spr08, SMJ+19, TBS+19, XWW+21, YII+04, YKS+12, YBP+08, PLJR22].
Ano13p, Ano14p, Ano15o, Ano16m, Ano18k, Ano19k, Ano20n, Ano21o, Ano22s, Ano22w, Ano22x, KDB95. Japan
[hhCK01, KKK+04b, LXC+22, AB90, CTL+04, CS03, DWNN04, DZ04, Gam14, HFO90, Ig04, Ike88, IHY+01, IMW+14, JKL+19, KKK04a, KKS+03, KWI20, KKK14, KNS+03, KOT+21, KTTT22, MGKW19, MLD+03, NEI+22, NH88a, NMK+03, NKK03, No00, Sek86, Sek88, SS03, Soh03, Sud86, TMN+12, TTL+04, TKW06, TKW08, iUMY86, WHT86, YIY+04, YYK88, YPM+10, YFY+22, YAK13, ZLS+04, YJW88]. Japan/East
[CS03, TKW06, TKW08, YIY+04, ZLS+04]. Japanese
[CLB+14, YFY+22].
japonica [GC09].
japonicus [GIIX22, TM ´AGC+21, ZL01].
jashnovi [NMN08].
Jay [GWGR+19].
JCOPE2 [CMG15].
jellyfish [BDC+08, CRT+22, RBE+12]. Jersey [JKBH87]. Jerusalem [NF87]. Jervis [TSC03].
JES [YIY+04]. jet [Kos02]. jets [RFPG15].
JGOFS [CBM+21, JvdLL+15, MB05]. Jiaozhou [LZCZ05]. Johanssonia [UKK+19].
John [Ano85a]. Jones [DGP+13, EMBS13, LTSG13, MEST13, PIS13]. Juan
[MPM+18, SZG06]. Juby [ABT+04].
July
[Ano03a, Ano04d, Ano05c, Ano06d, Ano07m, Ano08n, Ano09i, Ano20o, Ano21p, Ano22t, Ano22y, YYC+18]. jumbo [ATT+08, BGM+10].
June
[Ano09h, Ano22-27, Ano22-28, YJW88, Ano98d, Ano10k, Ano14q, Ano15m, Ano16q, Ano17q, Ano20p, Ano21q, Ano22u, HBV+10, KTB+99, KMU+12].
juvenile [DIQJ21, EKB06, FMM+20, GA10, LMM03, YGL+10].
Kalmaegi [WZC20]. Kalman [MZGA+20]. Kamchatka
[AM19, AP20, BBFS19, BC19, BBRM20, CES+19, CP19, CBL+19, FTHK19, GKR20, GM19, GHSC19, JP20, JGB20, Kam19, KCBS20, KKS+19, MA20, MB20, MDG+19, NHN+21, SSKA19, SKF20, SPB19, UKK+19, YTL+19].
Kara [HKGH+06]. Karena [BTS+15a, BK19]. Kashevarov [RCSA01].
Katsuwonus [KAK+22a, PGS+22]. kelp [BD18]. Kelvin [BDT+08]. Kerch
[KAG+19]. Kerguelen [BCL+17, DMBHG10, PWZ+16]. kernels
[HPW10]. keta [SKSK06, YWUK15]. key [AHSS22, Ang79a, BGM+99, CAO+20, DP18, GDI+09, GBH+20, MTK+22, TCF+18, HPNDC15].
Kharlamenko [Ano20u]. kill [WWDF14]. kill-the-winner [WWDF14].
kinetic [LBD11]. kinetics [GTR01]. King [STC10, BMN19, STEB16].
Kinorhyncha [AM19]. kisutch [AHC+13]. kitiwakes [WDF+07]. knot
[HPNDC15]. know [SMKK21]. Knowledge
[JPM+08, OELP04, Don87, Eme65, GGT+15]. Knowledge-based
[JPM+08]. known [FTHK19]. Knudsen [BBF+22]. kochi [BLCL14].
Kongsfjorden [HPFS+06]. Konrad [SW81]. Korea
[BC88, FY88, LIE88, MW+12, Suk88, YMK+04]. Korean
[KKB00, MK12, RK03a, YN20, YMK+04, ZLKO00, ZL01]. Korteweg
[NP00]. Krill [OACA20, BLP+20, DSBP15, LAA12, LS15, MPSD15, OTNI20, RBPGJ+20, SSS+11, SFS+12, TNGP22]. Krithe [YTL+19]. Kröyer
[CCG07, AHRT90, Ver91]. KuramBio [CP19, SKF20]. Kuril [AM19, AS20,
AP20, BBFS19, BC19, BBRM20, CES+19, CP19, CBL+19, FTHK19, GKR20, GM19, GHSC19, JPB20, JGB20, Kam19, KCBS20, KKS+19, MA20, MB20, MDG+19, NTU+14, SSKA19, SBP19, UKK+19, YTL+19. Kurile [SKF20].

**Kuroshio** [ALV+21, CGW+22, CMG15, CZW+22, HSH79, JC88, Kaw98, LMC+20, NXY15, QNK+22, RI86, STJ+14, TMN+12, TSJ+12, WXC+21, WST+21, WWZ19, YYYC+18, YJ88, YTNK00, YLY+14, YYhT+17, ZLR+07, ZLC+15, ZSY+22, YJW88]. kyr [AVG+19, SGF+19]. Kyushu [Ike88].

**L** [WR03]. **L4** [TAW+15]. labeled [SCLG+11]. labile [ASB+01, DMD+00, DDD+00, FPD+01, KGdS+08, TRMV15]. lability [BHHR15]. **Laboratory** [Rud03, Sak86, Sch03, VPS09, YN03a, McD81b]. Labrador [HMP+13, CGV13b, DCL+13a, FPY+16, HBL+13, HLY+03, HMP+13, KY15, LRS+03, LNB13, LWY07, LBD11, MJWK07, PCMI11, TDGY22, Ys07b, Ys07c]. Labrador/Newfoundland [HMP+13, HBL+13]. lack [WSH15]. lagged [dSSDS+20]. Lagoon [CKL+14, AR18, RTBR+22, YAK13, Pir87]. Lagrangian [AKAL20, BIST01, BBM+14, FB01, GL06, HCAF+20, JLB+08, JW01a, JLT+01, LaC08, LOG+09, Men21, ORW+01, Prr22, SMGL01, Woo05]. Laila [MMR+12]. lakes [Sn04]. Laminated [SGO+08]. lampfish [Kli10]. lance [RHBS13]. Land [GCD+13, GHVG19]. land- [GHVG19]. landers [TDH+95]. landfall [MK12]. landscape [MRH+18, SLBH+19]. Lang [PMG15]. lanternfishes [EBM+21]. Laptev [SPG+06]. Large [ASB+08, BCS09, Be09, FGB+15b, GFB+15a, HPB+09, KSE+09, LBP15, RM89, SH09, TG05, YSY+19, Bak01, CNT+19, CWZ+20, CGC+20, CRT+22, CRF+10, DRK+22, DHL+21, DTKvH15, ELW06, FBB+21, FK86, Har05a, Hob10, HWB+18, IPD14, ITO+14, Kaz17, KT04, LMS10, LMY+13, LFBP+13, MSMR93, Man04, MFB+84, MN88, MC88, Mil93a, MSA+22, NBL20, PK02, PZA+15, RFFL21, RLGC10, RHS10, RPSC22, SSL08, SJ02c, SJ02b, SMP07, TMN+12, YGC+21, ZWM+15]. large-amplitude [ITO+14]. Large-scale [ASB+08, GFB+15b, GFB+15a, LB05, SH09, YSY+19, CNT+19, FBB+21, HWB+18, IPD14, Kaz17, LMY+13, MSA+22, PZA+15, RFFL21, RPSC22, SJ02b]. large-sized [KT04]. larva [PKA19]. larvae [CGZ+21, DMC+18, GGG+10, HLS+14a, hHRW+05, HCGK11, KTT22, LDAM+07, LHC+21, MMB10, MPM+18, OCH+18, OOTA15, PCSMC12, PPdS21, RKCH15, SOS+07, SMPC+12, WOW+14, Wil87, YCP+12]. Larval [CHSB+21, DPM+09, MKSvA+22, OAWAN18, RLGC10, ALT10, CDM+21, CGZ+21, CCM+14, CKL+14, DCM16, DPGC14, FGGDF+04, FB05, GKC+14, GGC+14, GDM+15, HLS+14a, HKPV12, HPNC15, HCGK11, MGKW19, OQdS+07, RNBP+19, RLL+09, RBHFA04, SNV+18, SMR+20, TTMM+17, TKP+22, TMR+21]. laser [BTNK13, LGL+18, PKA19]. last [AVG+19, CFC+18, DYL+15, Emi65, LXC+22, PBB+20, RB+01, RCD+94, SGG+19, SF02, TKW06, VSGC21, ZLC+15, TAF+22]. lasting [PDV12]. Late [EHG+12, dWDB+98, DLD+19, GDM+15, HMH07, INI+17, KiL14, KYS+17, SKSK06, ST65, TKW108, VHV+12, YLL+19, dFkdLZTT17].
late-spring [dFKdLZTT17]. Late-summer [EHG+12, dWDB+98]. Lateral [HIT+21, SAH+21, TPBG10, BHPC06, Mar03, VK92]. Latest [RBD+07].

latitude [Ang79b, AE09, BVJE19, HSL96, HDA+16, KA85, MHS+20a, MHS+20b, MBd+09, Wu13, ZLC+15]. latitudes [ABSDC07]. Latitudinal [BMD+21, BHS+15, FWH+17, GVKG+13, YMA+17, BHC+18, BGWP+17, BTV+17]. Law [War06, dB94]. Lawrence

[MPN09, HGD22, MPBSD15]. Layer [Car98, SPN98, ATS87, AMEV07, Ano94c, BMMK12, BOG20, BTG+03, CDMH18, CS18, CDP14, DHC+20, DGGM85, DVB+18, Gam14, HGD22, HFW+98, HTdM+15, HLS+14b, LYS+22, MY92, MKM93, McD81a, MSGGM18, NDEG22, NF06, OVR+02, PMFGQ21, PFWM15, PN+21, SLGI+21, TVW98, TVG02, Tsn86, VB14, WZFW16, XHW+20, XY21, YTNK00, ZSW+22]. layered [CGL+20, Ros65]. layering [PSGVS+14]. layers [BLMR+20, CLG+00, DL17, FBH+22, GRMB18, GIC20, PDMS+13, VOJ02b, WGGZ19, ZPC+16]. lead [VPM+19, SW1]. leading [DYO+10, HHWW20, OOTA15, YMK+04].


leeches [UKK+19]. Leeuwin [GW91, MB07, TWAL+11, WOW+14]. legacy [Fly10, PDV12]. legend [Ano17i, Ano17j, Ano17k]. legged [WFD+07].

lemuru [SNR+10]. length [LVGH+15, SEG+22b]. Lepidochelys

[CDTH+16]. Lepidopsetta [LDAM+07]. leptocephali

[FMG+15, GDM+20, KMF+20a, KMF+20b, MFA+15, MSA+22].

Leptonychotes [NRS+19]. Leptosomatidae [MSFZ19]. less [BFR13].

Lessons [BK08, MLHM09]. Levant [Ore69]. Levantine [ABM+05, OHU89].

level [BHPC06, CDDF11, CMHO87, CAT+08, Con87, Den87, Dev87, DPCO87, DOP87, FP15, FK99, FG16, FWL+15, GAPM16, HHWW20, HPHW21, JKHS87, KKS14, LMB+16, Let87, LSGM01, LBT20, MTC12, MSO8, NO14, NH88a, NFS7, PS91, PIR87, PBN13, RN02, SLY+15, SAM+10, SC65, STR01, SIB+06, SSW+09, SCS87, Tho87]. levels [LLL+11, LH08, MPC+17, PFH14, RD11, STM10, SPMV05, SNW10, Tan99, WFR07].

Levis [Cai95]. lie [CPC88]. Liebig [dB94]. Life

[JAC+12, MFB+84, Nie07, PRTC13, SSTD+95, AHP19, BVJE19, BSF+21, BLT+08, CGC+20, CMS+13, CMC+14, ECFT20, FWH+17, FCN+19, FMT15, GilKX22, HLM+16, HE07, HPW10, IVR+13, KSK+15, KLP+17, LSY+14, MMG+13, MLB+20, MT99, MRH+14, MC88, MBVC21, NHG19, PWZ+16, PDAM+15, PST+15, Pra22, RNB+19, SCD+07, dSSDS+20, STS+12, SLY+15, SSW+09, THBA19, TM+21, VMH+21, WKS+15, WIL87, YAK+08].


[ACK+13, LCB18, Mor91, SK91, ÅLC22, BMGM15, GGPG+19, HOY+21a, JKL+19, KM08, KY15, MBP+11, RHM+19, ST03, SBBV04, JTD+14].

Light-dependent [ACK+13]. Lignin [SMN+14]. Ligurian

[BAARB05, BMB+16, BBM+14, CPB+15, CLD22, CBB+22b, CQZ+18, CRC+19, DSC+19, GCF+19, GBB+20, OAT+05, PCD+18, ZGB+20]. like
[HCAF D+20, ICB+19, LSM08, WST+16]. likely [MHR+10]. Limacina [MLB+20]. limit [KAK+22a, SAd+17]. limitation [AFB T+22, BB14, HLR17, ILA21, ZCD08]. limitations [BBE+15, BMG13]. limited [KEV10, LHF+16]. Limits [LRJ+15, ALT10, Hea12, LHW+20, SGL+18]. line [DN07, HWS+07, JOGM+10, KH09, CGB07, Fre07, MG02, PV07]. lineage [SPH+15b]. linear [BMGN15, HNL14, KC15, LI10, McD81a, PC87]. lines [Kaw86, KMWF11]. link [AB90, HHSR07, IIS+17, MCG+14, RGI05]. Linkage [ZHD+20, BM01, KiL14, KSG+17, NMY+14]. Linkages [VPV+22, BHA+14, HPS+01, KYS+17, NYH+22, TTB+08a, WLD+15]. linked [CHSB+21, HTV+20, ONR+14, SSL08]. Linking [BBF+20, DMBHG10, FFA06, GF19, MRW+14, SST+17, SPWH21, TSS+12, BB10, STF+13, THP21]. Links [SF15, BC01, GD+15, HLS+14b].

Linnaeus [YGL+10]. Lion [PGT+13, STG+18, CDH+13, SGL+13]. Lions [DDTT99, FFS+20, PPdM+12]. lipid [CPPPEAG22, FMC+20, PPCWJ18, SGL+17]. Lipids [BC01]. Liquid [NBR+08]. liquidum [Coo69]. Lisbon [KGdS+08, OMS+09]. List [Ano03]. lit [Bak83]. Lithodes [BMN19]. lithogenic [PPB+99, YAI+14]. litter [CPC88, MBB+20, RLDC+13, TCL+15]. Little [HM90, No01, KGJ+10]. littoral [DAKV09, dHRH+18]. littorals [ST65]. Living [DSC+19, LMP22, BHK+19, LFG10, LIH+12, MM80, MSFZ19, OS+96, Ric01, SKT01, TSH+17, SAB+22]. LIW [MTL05]. loading [LM97]. lobster [ACK+13, GRB+08, MPM+18, WOW+14]. Local [FBB+21, JOGM+10, ASB+08, BBS21, CMM+04, CGC+20, IHT+21, LLAPG+22, NGLSSG14, PSM+22, YCP+12]. local-scale [ASB+08]. localities [Mid09]. locality [VPW01]. localized [LRJ+15]. locations [LC12, MGF+13]. loco [GKC+14]. Logachev [vHMDL14]. loggerhead [CBB+22c, MHR+10]. logic [JPM+08]. logistics [KNS+03]. Loliginidae [OASG+16]. Lombok [GXX+22]. Long [BBR+01, BLCL14, BD18, BBL+09, CMF+09, DLM+96, FMP19, FAH+13, FMSBW13, GMM+22, KON14, KNS+03, LSIC12, LSXT01, MDAW+19, Nag01, PG10, STJ+14, ŠGM+18, Spr08, TFFY02, TKW06, VMB+22a, APC13, ABE+15, BPTT19, CSK+12, CB17, DEW+97, FRV+19, GHL15, GCD97, HFS+20, hHRW+05, HHZ+22, JOGM+10, JLP+20a, JLP+20b, JLS+22, KRHS14, LO07, LHE+13, LPF+20, MLL+22, MDGC+12, PGY+22, Rebo2, SOH21, STHM02, UPPS+21, WFD+07, WHBW03, WHH07]. long-chain [SOH21]. long-line [JOM+10]. long-period [GCD97, WHH07]. long-range [DEW+97]. Long-term [BBR+01, BLCL14, BD18, BBL+09, CMF+09, DLM+96, FMP19, FAH+13, FMSBW13, GMM+22, KON14, KNS+03, LSIC12, LSXT01, MDAW+19, Nag01, PG10, STJ+14, ŠGM+18, Spr08, TKW06, VMB+22a, APC13, ABE+15, BPTT19, CSK+12, CB17, DEW+97, FRV+19, GHL15, HFS+20, hHRW+05, HHZ+22, JLS+22, KRHS14, LO07, LHE+13, MLL+22, MDGC+12, PGY+22, Rebo2, UPPS+21, WFD+07, WHBW03]. longer [YYhT+17]. Longevity [BMB06]. longicauda [GKR20, RMB+01].
longicaudata [SIR+07]. longipes [SSTD+95]. longirostris [PPdS21].
longitude [YMA+17]. longshore [CB17, Hut87, Yos80]. look [HS22]. loop
[MHA+11, dJSLS+20, KAK+22b]. loophole [IFC+07]. looping [CGW+22].
LORC [EBS+18]. lose [DSAB20]. loss [MBF+14, USH15a].
loss-on-ignition [USH15a]. loses [Wal83]. Louisiana [MCB+90].
Low [Ban96, CM18b, AAML22, AC85, Bak01, DCM16, FYYC05, HL05, HSL96,
KA85, Lav09, Mol22, MKS+22, PZA+15, STM10, TSFA22, Wu13].
low-density [M0122]. Low-frequency [CM18b, PZA+15]. low-latitude
[KA85, Wu13]. low-salinity [MKS+22]. Lower [LLL+11, CFM+18, CAT+08,
FK99, GAPM16, KAK+22a, LSMG01, MPSD15, MPC+17, PCH+08b,
SNMW10, Tan99, TAM+13, WGZS+19, WGG+08, YWUK15]. lower-trophic
LTER-MC [MDGC+12]. Lunar [RCSA01, UPPS+21]. Luzon
[CGW+22, YLY+14, YYhT+17]. lyase [CM14a, FPS+09]. lysis [CRC+19].
M [Ang80, LMPB+16, CDS90, GSSWK20, SS03, LL97, YMI88].
[BLCL14, RK20]. M9.0 [CLB+14]. machine [CLX+20, VSPP14].
Machine-based [VSPP14]. machine-learning [CLX+20]. Mackenzie
[LPF+20, LPF+21]. mackerel
[ACN01, BHH+16, BSH+20, GiIKX22, JsdSS+21, TMÁGC+21, ZL01].
mackerels [ABE+15]. Macro [CHC+12, KTN14]. Macro-
[CHC+12]. macro-nutrient [KTN14]. macroaggregates [KS15]. Macrobiotic
[TPP+00, GBC+15, IG19, Sok90]. macrobenthos [Whe06].
Macroecological [BLHB07, BMG13]. macrofauna
[BAB+19, FMH02, GSV+01]. Macrofaunal [HDM19, Car98, SH09].
macroinfaunal [CLSD18]. macronutrients [AIHB+07]. Macrophysiology
[HR11]. macroscopic [PMA+14]. Macrostylis [RK20].
macrozooplankton [DSR21, HGD22, MCT03]. Madeira [RLB90].
Madeiran [PMG15]. maenas [YFK21]. Magellan [Gri22]. magellanicus
[GGJ+10]. magnesium [Wis65]. magnetization [Hey78]. magnitude
[CCH+12]. Mahlon [CTN03]. main [FZS88]. Maine
[BDB+04, MB+20, RKC+10, WBC+22], mainland [CMM+04]. maintain
[MAH+15]. maintenance [DS65, PC87, STS+12, WWL+22]. Major
[BTK+99, JTQ+18, LDMH09, VDB+20, BBSN04, CED09, HS07, Igu04,
LTJ+15, MLD+03, MIN+20, NRA17, PLP99, TSAM+22, Wius64].
Malaspina [GKS+13]. Malin [XD96]. Malin-Hebrides [XD96]. Mallotus
[BSF+21, CGV13a, CGV13b, MMD+16]. Malvinas [PMC21, PSP+21].
mammal [KFH+15]. mammals [SPS+99]. Management
[SHG12, BDE03, CN22, Dev87, FPS+13, GKC+14, GRDS10, HFS+20, INI+17,
JOGM+10, JHDT12, JLBH20, KHL12, KMB01, LLL+11, LFG10, LIH+12,
Mc110, MFB+14, Ric01, RS04, SS+20b, TCF+18, WFJ+15, Zav99, ZL01].
Managing [TSH+17]. mandalas [KV18]. manganese [Hey78]. Mangkhut
[DFC+21]. manifestation [KSD84, RM97]. Manila [YAK13]. Mannar
[JJA+13]. Manx [SSB14]. Manxman [Mer65]. many [Ric01]. mapping
[BPGD +14, LMT +19]. maps [RRS03]. March
[Ano20q, Ano21r, Ano22v, Ano22x, KSPK99, KDB95, TBK +99, GR17, Ano99d, Ano07o, Ano08u, Ano08w, Ano09j, Ano10l, Ano13m, Ano14n, Ano16k, Ano17s, Ano18m, Ano19i, CLB +14, GSPMAI99, KTB +99].

marcusorum [BC19]. Margin
[BHE +98, CHG +18, FLdST98, LHEB98, OB98, TMPM +16b, TMPM +16a, TvW98, vWMH98, BGM +01, BCOL +19, CLG +00, CLA +00, CVHM +18, CdMS +18, DXH +02, EvdZSH02, FARRL +13, FMH02, GLV12, HG04, HWF +21, Hut95, JW01a, KKS +18, KiL14, LGR +02, MH02, MCGS +16, ORV +01, PCD +18, PPHM18, PGGG17, RLT +22, RCÁS +15, RLR +18, RCSVGP +16, SCMAR +99, SVHM +13, SvWRvB02, SH09, SW01, SMGL01, TCPP +22, TvG02, TPP +00, VHV +12, WDDM +20, XLX +20, YMI88, vWM02a, vWdSBdH02, BPP +98, HM98, PS98, dWDB +98, vWHdS +98].

Marginal [BHM +15, FJhT +14, LMW +12, PO00, CWZ +20, DPB06, Gal17, IHT +21, IU14, KJZ +12, MTC12, McK04, MNFY21, NYH +22, PB94, SCC14, SPWH21, LLX +21]. margins
[ACK +13, BPGC +20, ESTM13, Kit03, LDB +02, Sol00]. mariculture
[Mae88]. Marine
[BCS09, Bel09, CPC88, IGG +19, KSE +19, KFM +17, KA94, LPA +11, OLH +18, Pea02, Pra22, SDB +21, Sim81, SPS +99, SAB +22, TCL +15, dMGS +11b, dMGS +11a, AHP19, AS88, AGD +18, AH15, AHC +13, ADV +18, ALT10, BDP +06, Bak06, BW08, BMO12, BVB88, Blu88, BDE03, BCD +20, CLSP17, CM14a, CSBL +15, CSC +12, CTMV +14, CWS +21, CS89, CE84, CJG88, CRiI +15, DL69, DLD15, DMF +09, DP13, DAVK99, DTKvH15, EVM +15, FSAO22, FM +20, FPJ +15, FCG88, FAAV +15, FDH20, FDM +13, GSFP +09, GAF15, Gal17, GPEV20, GKC +14, GGT +15, GHVG19, GPAB +16, GMDS20, HV10, HGD22, HSG +15, HVT +22, HGB +21, HSH +19, HWL +20, HAP +16, HHW01, HHW22, HAA +14, Hop64, HLS +14b, HM06, HDA +16, HJD +18, IL20, JAS +20, KST +10, KTH +21, KiL14, KMB01, KBF +08, Kli10, Kno04, KOT +21, KLC +15, KK010, KFH +15, LTJ +15, LK13].

marine
[LSY +14, Law04, LMS10, LAHI10, LDD +22, LFBR +18, LMT +19, LSS +09, LFG10, LIH +12, LHF +16, LSD +15, LRGV +18, LMP22, MPV12, MDD +20, Man04, MV10, MFS +07, MSF +07, Man17, MLL +15, MBH +10, MI21, MLHM09, MLHM09, MCG +14, MS15, Mor91, MPN09, MVV +19, NCC +15, Nie07, NBL20, PL01, PS08, PBO10, PM13, PG10, PHKS01, PPD +12, RLDC +13, RBL +19, RK03a, RCG +16, RCB +20, RNBP +19, Ric01, RKK +21, RN06, SS01, SBMB18, SGL +17, SHd13, SRF +19, SvN04, SOWS17, Sel65, SJ +13, SMI10, Sie88, SW81, SKGS20, SRM +10, ST65, SPH +15b, SJD14, SIB +06, SHT +01, TSAM +22, TSH +17, TSJC07, Tur15, VMB +22b, VCM04, Was11, WSS15, WMB +18, WBF +21, YSY +19, ZLKO00, Cia22]. marine-oil
[BCD +20]. marine-terminating [GHVG19]. marins [Bou65]. markers
[NMN08]. market [PG10]. markets [JTGM10]. Marko [SW81]. marlin
[JOGM +10]. Marmara [BSO +94, FBS +18]. marmoratus [PPdS20].

Mass [AHW99, MHGP06, AdAK+18, EMK+17, HOY+21a, HPZC21, JG07, JVV+17, KTO4, KMU+12, LVGH+15, LvIKB07, LC10, MRMD+17, MLD+03, Maun01, PTM+22, PZA+15, RGC+01, SGMP15, YRK08, ZPC+16, dWDB+98].
masses [´AS´AB+14, ´AB´M´AS+14, CPHR98, Flao02, GIPC+15, GR85, GLAHH+22, GF19, HOY+21a, HSLG11, HOY+21b, HL+21, IL20, IU14, JW01a, JMG+13, KNSN+09, KL+21, LBMB13, LS+17, LS+18, LH+21, LVIKB07, LFBP+13, MPCNC+19, MFHD22, MFY+86, NRA+21, ORW+01, PL87, Par63, PGT+13, PRL+18, PLP99, PBP99, RFSCF19, SVHM+13, SMN+14, SK18, TPPG10, TVW98, TZN+00, TPM+00, USH15a, VFCC+22, WMC+89, WRS+92, YTB+21].

Material [´ASDB+01, ´AS´AB+14, CPHR98, ´AB´M´AS+15, BCF+03, Kit03, OAD22].

Matter [CMPNC+22, ASC92, BHH15, BSW86, BFJ18, BMG+21b, CKP+20, CGM+02, CGC+20, CLG+00, CS9, CE84, DDE+95, DDP+00, DMD+00, DDP+00, DBW+22, FPD+01, FRV+19, GMAMB+04, GM19, GLAHH+22, GF19, HOY+21a, HSLG11, HOY+21b, HL+21, IL20, IU14, JW01a, JMG+13, KNSN+09, KL+21, LBMB13, LS+17, LS+18, LH+21, LVIKB07, LFBP+13, MPCNC+19, MFHD22, MFY+86, NRA+21, ORW+01, PL87, Par63, PGT+13, PRL+18, PLP99, PBP99, RFSCF19, SVHM+13, SMN+14, SK18, TPPG10, TVW98, TZN+00, TPM+00, USH15a, VFCC+22, WMC+89, WRS+92, YTB+21].

Matthias [MC08, YRKC08]. maturation [Nie07]. mature [ATT+08]. Maud [Har05a].

Mauritanian [FRK+09, GEO09, NIF+15]. Mauritanian [FPS+09, HNR+17, RF17].

Maximum [BBC+22, APP21, BBN+21, DYL+15, FPIJ85, LFI+13, MP+11, XHH+20, TAF+22].

May [Ano21a, Ano22a, LAP10, dSSDS+20, Ano00b, Ano03d, Ano07r, Ano15r, Ano161, Ano171, Ano20r, Ano22-27, Ano22-28, GCZ+00, MN88, PGRP+18, YJW88].

MC [MDGC+12]. MCS [Cia22]. Mean [ED82, SJM+19, TM13, DML+16, DGMM85, HLK13, HPHW21, KDL+01, Mol22, Owe91, RD03, RG09, SS09, UAM05, VYGM+17, Zee90].

meander [TMN+12]. meandering [SSB14]. means [CPSM20]. measurable [Nee85].

measure [Szu12]. measured [SLM+16]. measurement [DPCS87, DDJ+21, HM15, MPMA13, Sac16].

Measurements [HHB+22, TJ3, ADS+22, BBL+09, DUE77, FTG+11, GRMB18, GA00, HK+02, JSM02, KSK21, MXC+21, NBL20, RCGC+16, RLSF06, RLSF07, SAT+22, SV97, TSG+04, VSA+21, VBAC+21, WZF+16, Web69, Whe06].

measures [JH02]. Measuring [MSJ+15, KSY+19]. mechanics [GD91].

Mechanism [SMFM+21, ZLG17b, LYS+22, STH02, YYC+18, ZLG17a, ZZJ+21].

Mechanisms
Mechanistic [BDP+06, BFPS06, BSH+20, SLY+15]. Med [NDEG22].

Med-ROMS [NDEG22]. Meddies [APC13, RBZ00]. Mediate [ALT10].

Meddied [DKCB13, GSM+17, MMD+16]. Mediterranean

[ACB+13, AQB+10, ACL+18, BBM+14, CDL22, CQZ+18, CCH+21, CHSB+21, CLG+22, DDE+95, DDDT99, DAU22, Eri65, FTG+18, GBB+20, GGA+16, GGG+18, GBSM+20, HLM+13, JMG+13, KHC+99, KFC+13, KTB+99, LTL85, LSM+22, LRGV+18, LFBB+13, MGC+18, MAFS+22, NDEG22, NCC+15, POS+07, PCV+18, PG+13, PPSVC+13, RCC+18, SCA07, SCMAR+99, SVHM+13, SGA+19, STG+18, TCDPP+22, TCPP+00, TCL+15, VBAC+21, WYT00, dMSG+11b, APN+15, AR18, ALG+21, ABC+99, AUE+14, AIA+18, BPA+21, BTK+99, BFP+18, BRC+18, BZD+21, BNCC15, BS90, BM05, BSFM+12, BOMdP15, BG+99, BD19, BF1J8, BGA+21, BFF+17, CCM+13, CDL19, Car98, CGM+02, CPG08, CMF+09, CMF11, CF20, CJRA+13, CMPPC+22, CSM+13, CC88, CLG+00, CLA+00, Cia14, Cia22, CD65, CGD+18, Con87, CFML22, CULL+18, CLG+22, CTR+19, CRC+19, CFC+18]. Mediterranean

[CdMS+18, CAB+99, CGJ88, DSV99, DDP+00, DTOD00, DVL+99, DSC+19, DVB+18, DFM+15, DAKV99, DCL+13b, EMU+21, FVA+19, FBR+13, FBD18, FTT+16, FARR+13, FDHT05, FB18, Fk91, GSP+20, GGT+15, GPE+17, GTB07, GPP22, GHL15, GFB+15b, GFB+15a, GGA+16, GIPG17, GCD+99, HMTL05, HDM19, HTdM+15, IVR+13, JFEC13, JVJ+17, KSVT00, KKS+18, KQP+17, KCL+12, KRU+12, KE10, LT06, LRK99, LGL+18, LSIC12, LDMH09, MGLLL+07, MGHGS19, MB+20, MMIB10, MPPCNC+19, MHA+11, MCD+07, MDG+12, MGR07, Mi09, Mi14, MMG+11, MMPG07, MVV+19, MEC05, NGLSSG14, ORMR+19, OACB+15, ORB+18, ÖÜT93, PBB+20, PGL+05, PAG+18, PRA+18, PCC+19, PZA+15, PST+15, PRL+18, PBL+18, PB+99, PTO10, PdMS+13, RLD+13, RGB+17, RDD+18, RTTB+22, RPG+18, RKM+07, RCF+13, RAE+05, SOS+07, SLBR18, SGL+13, San73, SCPN15]. Mediterranean

[SHd13, SCS+09, SCCJ+18, SGP+M18, SFK+99, SVL+15, SCC+19, SCT+00, ST65, TCS15, TPN+18, TR99, TAO05, Tol85b, TCF+18, TZP+00, TPM+00, TVD+99, TIOM16, Tur99, Val99b, VCB+00, VYGM+17, VKT15, VOT+99, VBA+18, YHM+18, YVPP+22, ZGB+20, Zav99, ZMCDN71, ZFSV+99, dMSG+11a, dPAJ07, dPHF+15]. Medium [DRE+08, RLGC10].

Medium-resolution [DRE+08]. Medium-sized [RLGC10]. MEDOC

[Kil76]. Medusae [RJT84]. Meeting [FJHT+14, PBH+10]. Megabenthic

[GGG+18, MMK+21, PGGG17, BMNW01, JLS+22, KohL+10]. Megabenthos [BRR+01, CMF+09, TRLA+13]. Megafauna

[PCC+19, ADV+18, BBMR19, CAO+20, FBD18, LJM+16, LM18, LDB+02, MDR20, SLPA+20]. Megafaunal

[SLBH+19, Car98, CMHM18, DTC+06, DBJ+15, DMR20, KSVT00, KRHS14].
Methodology [RLSF06, RLSF07, HRA00]. Methods [LTJ+15, Man04, BCF+03, BIL03, Ben85, BPGD+14, BCG+08, FVA+19, JAS+20, Sei63, WZBK+21]. methylene [KO19]. methylene-interrupted [KO19]. metrics [FMC+20, GSFP+09]. Metridia [HL05]. Mexican [Lav09]. Mexico [LM+10, AJHC+19, BGM+10, Dur09, HK+15, Ham09, LKDL14, MKSW+15, ON05, ORPRGIS22, PBBH+22, RLP+18, RANS65, RASVB+22, SRFH+22, UPPS+21, WDMK89, WD94, FGGDF+04]. MHW [Cia22]. Michael [CNT03]. Micro [AIHB+07, AMG+16, Moh15, TLM+17, AMEV07, BTS+15b, CHC+12, DDP+00, YLL19]. Micro-
[BTG+03, CJ+92, FBR+13, GDM+20, MZF+08, VDP+01, VDDA+08, CDS90, DAU22, FBT+22, HSK+19, HMPZ11, KBC+22, LRW+15, LSD+15, MVN+15, MA12, NYL+17, PVG+20, ŠGM+18, SPH+15b, TR99, XHW+20, XLL+20, dJS+20]. microbiology [SMB+88]. microcephalus [ON22]. microcosms [Sv+04]. microlayer [Har82, SR+19]. microlayers [CEF+13]. Micromesistius [MAFS+22]. Micronekton
[ATC+19, PBS+22, AGL+15, CDL+22, GBB+20, RDG+21, SFS+12]. micronektonic [BCLD+17]. Microorganisms
[Mae88, PCD+18, PAPL+15, PPy+87, SLG+12, SK91]. microphytoplankton
[CCW+18, HLD+21, IPG+16]. Microplankton
[LBW+17, FGS+09, GGQ+07, GMAB+07, PD+15, WYT+00]. microplastics
[STG+18]. microscopy [LSM+22, LGL+18, PAK19]. Microsetella
[KSKN21]. Microstructure [RLSF06, VBAC+21, RLSF07]. Microzooplankton
[HPS+01, SDL+19, BFH+01, CM+16, FB+01, LMS93, LHP+05, SSH+05, ZBY+22]. Mid
[SBK+95, LMS+10, Lie88, LS85, MHS+20a, MHS+20b, MB+96, PH+19, SLPA+20, CSM+15, CB+06, KVLA+06, SF+85, VMB+22a]. Mid-1980s
[SBK+95, MB+96]. Mid-Atlantic
[CSM+15, CB+06, KVLA+06, SF+85, VMB+22a]. mid-east [Lie88]. mid-eastern [SLPA+20]. mid-latitude [MHS+20a, MHS+20b]. mid-ocean
[LS85]. mid-shelf [PHC+19]. mid-trophic [LMS10]. Middle
[BHPC+06, AF+10, PVG+20]. middle-out [AF+10]. midnight [PNF+21]. Midwater
[BMT+76, BIL+99, HPC+20, HSL96, RBL90]. might [BW08]. Migrant
[AGL+15]. migrating [KST+03]. migration
[ASC+07, Ant+09, AHRT+90, BEP+02, CDM+22, EBM+21, FGR+06, FFT+18, GA+10, GBB+20, GJ+X+22, HGD+22, KAK+22a, LRJ+15, MPM+18, OACA20, OAWAN18, PHKS+01, RS+10, SK17, UCB+18, UPPS+21, VBVT+05, ZGB+20]. migrations
[ACB+13, Ang+84, Dom+84, DAIS+10, Pug+84, RAB+84, Roe+84a, Roe+84b, RB+84, RJT+84, VLCC+14]. migratory
[GHC+17, JG+M+10, Sm+10b]. mikimotoi [BTS+15a]. millenium
[RSB+01]. millennial
[KYS+17]. millennium
[PAB+21]. Min [XLL+20].


[AUE+14, BIST01, BH07, BCG+08, GvOS+08, HGH+19, HHP06, KIL76, LFI+13, MMGL+07, MAR+03, MWJ+08, MTK+22, NTU+14, NNM+21, OJB99, ÖÜT93, PTM+22, PIS13, PSGVS+14, PCBA+20, RBF+09, RCSA01, SÖÜ94b, TYO+14, Tom81a, Tom81b, VMC+19, WBC+21, WSH+22, XD95, YYT+14, ZLG17a, ZLG17b, vRGW10]. mixoplankton [LB+21]. mixotrophic [Sie88]. mixotrophic-cometabolism [Sie88]. mixotrophy [FEG+14, GLF+17]. mixture [AdAK+18, SBFP21]. mm [Ang79a, Hof81]. mobile [Bak01, FBD18, HF10]. mobility [HHK+02]. MOCI [STGR+14].

MOCNESS [JF+13]. modal [Dav85]. Mode

[Kat18, ZHD+20, HM08, SW22, SASH08, vFB82]. Model

[CCH+12, FP+15, KFM15, RSG06, TSJ+12, ABM+05, AKAL20, AGS10, AHC+13, BDP+06, BFPS06, BBC+22, BB+01, BAARB05, BMGM15, BMB+16, BMO5, BDBJ01, BSH+20, BMG+21a, BLT+08, BCL+09, CDH+13, CMS+13, CLH+14, CHC+12, CJMI+91, Dav85, DJ+92, DRE+08, DSBP15, DPF+20, DEW+97, FDHT05, FRCH15, FFA06, FUK91, GKC+14, GLF+17, Gir15, GBH+20, GIKXX22, Has82, Hea12, HLS+14a, HSC09, HH+12, HSH97, HM07, HPW10, iYO+10, KAG97, KKK04a, KHL12, KDL+01, KLP+17, KDF97, LCBN14, LL97, LSM08, LMS10, LC22, LFG10, LLX+21, LO85, MMGL+07, MHGS19, MR06, MFS+07, MY92, MKHO96, MFS+16a, MFS+16b, MRW+14, Mor91, MV+19, MEMC05, NDEG22, OWH14, PVC+08, PCSMC12, PMC16, PM22, PDAM+15, PBS+22, PST+15, PBN13, Pre86, PPP+12, RWD01, RFC+15, RG94, RBS+09, SBMB18, SAK86, SGLF+13, SGWF+19, SGMV14]. model [SKWWGV18, SPSV+20, SS17, SBFP21, SZG06, SBLA10, SO91, SCLS10, SHC+06, SHR+07, SRM+10, Ste12, Ste91, SDJ14, Suk88, SMP07, TGJT09, TS10, TAH+11, VVV21, VMH+21, VMO8, VMB21, WCB20a, WSL20, WSO+13, WSS15, WP05, WJPHB15, WWSJ07, XYL+22, XRC+15, XY21, YJS86, YWUK15, YFY05, YLY+14, ZCD08, ZCH+17, dJSL+20, vFB82, Mau10]. model-based

[CHC+12, PCSMC12]. model-data [HHK+12]. modeled

[REG+15, ZLZ+17]. Modeling [DPGC14, FY88, FUOG+16, JX18, KM08].
LSM08, LPF+18, MFS+07, MSF+07, MAB+11c, MAB+11a, MAB+11b, PG13, RDD+18, SMPC+12, TMÁGC+21, VMH+21, AUE+14, BFP+18, BRR+12, BhTW10, Bre82, BCG+08, CBB+19, CSBL+15, CLX+20, CNBD21, CRi+15a, DFC+21, DGH+20, FPJ+15, FFA06, FTG+11, GR08, JAC+12, KSK+15, LL21, LGD+20, RPM+18, PKP14, RCÁS+15, RKC+10, TTB+08a, TTB+08b, VPS09, WH99, YCP+12, ZDG+21, GAF15]. Modelling
[BECA22, BS02, BTJ+17, Den03, DFM+15, DTKvH15, Fly03, GJJ+10, Ham90, HF10, LWH07, MMIB01, Ofh90, Pe03a, PWZ+16, RTBR+22, SE16, SW01, TTL+17, WBH15, APN+15, AK97, Bfps06, BMM97, BMF+19, CFM+18, CPHR98, CAA+07, CAB+18, CTA+16, CTMV+14, CKL+14, Den87, EALF08, Eiko+09, Fly10, Fr09, FK99, FPS+13, GCP08, GAPM16, GMDS20, HPS+01, HM15, HT97, HLP+16, HAA+14, ILI+12, Leh01, LHH10, LHL+78, MRM+14, MPMA13, MR03, PBB+15, PRC+12, PPPdS20, SCPN15, SVIA14, SLY+15, TLH+15, THM+14, TGR05, VHK03, VHK04, WC+20b, Yux88].

Models [DXH+02, KPSA17, AF10, AM10, Arb22, APHG+22, BB+15, BDP+06, BPA+21, BEP02, BMB+16, BB10, CP10, DHC+10, ECFT+20, FCEZ10, Gir15, GTB+19, GAS+22, HVS10, HMRA+03, HGB+21, HHDS02, Hof10, JB15, KKO10, LI10, LMS10, LNH+12, LM97, MMG+13, MV10, MD10, MR03, MPC12, MCH+12, NBHM10, OWH14, ORV+13, PRC+20, PTF10, PYKF15, PPD+21, SSL08, ST10, SBL10, SA97, SHG12, SAB+22, T99, TSI10, TM+21, TSJC07, WFJ+15, WBB+01, XD95].

modern [GSP+20, NF87, PRP09, WMWR08]. modes [DA+22a, DAF+22b, Hut87, LG22, OAM00, RRFL21]. modestus [BB85].

modification [DJW+18]. MODIS [LHE+13, SNS+22, WM13].

MODIS-Aqua [WM13]. modular [BFSP+06]. modulate [TDL+17].

modulated [CZV+22, MH14]. modulates [BAM+09, CT1+19].

modulating [HYM+12, JNL+19, TSAM+22]. Modulation [ABS+20, ZLC+15, CSW+06, KZD+19, MM99, RCSA01, RR01, TGB+19, Wu13].

Molecular [HCV+20, KJI+10, LC18]. molecular-scale [LC18].


momentum [CR97]. Monika
[CJ92, Hic92, LPA92, SE92, VK92, WRS+92, WJE+92, Gor92]. monitor [RKK+21].

Monitoring [DPH+18, BHLU+07, CAO+20, DPR+18, EGP+18, FC05, GFB+15b, GFB+15a, HWB+18, JLS+22, KNS+03, Man09, MBDM+18, MHA+11, Reb02, TFY02, VMB+22a, WPH+10]. Monod [Fly10]. monodon [GR+08, YCP+12].

Monsoon
[Sch88, WHB+05, ABS+20, CBM+21, DLS+17, HFW+99, LWBD+17, MJA+07, RGE22, RVS+21, SM01, SVU+02, gWNFLd20, JLA+17]. Monsoon-driven [WHBB+05, CBM+21]. Monterey [Bre06, BhTW10, HCC02, MCG+02]. monthly [GAM08a, GAM08b, OÁT+05, SS69, VGLC06]. Moon [Kag97].

Moored [Kvi69, BBL+09, CNHN15, LPS+19]. mooring [HFO+22, HHZ+22, LPF+20, SSM+18, Woo18]. moorings [KOM+88, LS20].

morhua [AHP+19, FKH+13, LSY+14, LNB13, SLY+15]. Moroccan [ST65].

N [AAM+14, BPP+98, CBB+02, HM98, RKFD07, WBB15, BC19, Ang79b, BM76, BHC+18, BDBJ01, CBB+02, CGC+20, CSC+12, CSG07, CF12, CMF15, DVB+18, FC07, FMSBW13, GMAGH+17, GBC+00, GLS08, JAA+08, MSJ+15, MM80, OMK+22, PHK+17, SAA+15, WNNI21, WRS+92, ZCD08, vWHDs+98, SWT+17]. N-50° [CBB+02]. N.E. [CLG+00, FC05].
N.W [vWHdS\textsuperscript{+}98]. N.W. [BHE\textsuperscript{+}98, BPP\textsuperscript{+}98, FLdST98, HM98, LDB\textsuperscript{+}02, LHEB98, OB98, PS98, TvW98, dWDB\textsuperscript{+}98]. Name [Ano63b, Ano64c]. Namibian [BCP90]. nanofossil [Gal17]. nanomniscid [JGB92]. nano [AME\textsuperscript{+}07, BAM\textsuperscript{+}09, BTS\textsuperscript{+}15b, CCW\textsuperscript{+}18, DDP\textsuperscript{+}00]. nano- [AME\textsuperscript{+}07, BAM\textsuperscript{+}09, CCW\textsuperscript{+}18, DDP\textsuperscript{+}00]. nano-phytoplankton [BTS\textsuperscript{+}15b]. nanophytoplankton [LGL\textsuperscript{+}18]. Nanoplankton [TB15, FEGA\textsuperscript{+}14]. Nanoplanktonic [BM07], nanotechnologies [Moh15]. NANSER [vAB96, SBK\textsuperscript{+}95]. Nargis [MMR\textsuperscript{+}12]. natural [MKSW\textsuperscript{+}15, Tit20, BM01, BhTW10, LSW\textsuperscript{+}21, RLDC\textsuperscript{+}13, RGP\textsuperscript{+}18, RSL\textsuperscript{+}06, RLS\textsuperscript{+}07]. Nature [KAH\textsuperscript{+}16, HMWM\textsuperscript{00}, LPS\textsuperscript{+}21, LPBM\textsuperscript{17}, MJ88, MB01, Pra97, SR\textsuperscript{+}19, TJ90]. naupliar [IMHL\textsuperscript{07}]. Navigating [Bak06]. Nazaré [EvdZSH02]. Nd [GSP\textsuperscript{+}20, YAI\textsuperscript{+}14]. necrophagous [Thu90]. Need [ALV\textsuperscript{+}21, RAB\textsuperscript{+}11]. needs [KA94]. negative [KW12, KV13, KSK\textsuperscript{21}]. nekton [BN\textsuperscript{+}99, INI\textsuperscript{+}17, Pea02]. Nematode [LD\textsuperscript{+}15, FS\textsuperscript{+}10, HT\textsuperscript{+}22, IVR\textsuperscript{+}13, MSFZ\textsuperscript{19}, RLR\textsuperscript{+}18, UAM\textsuperscript{05}]. nematodes [GV\textsuperscript{+}13]. Nementeans [CP19]. NEMURO [iIYO\textsuperscript{+}10]. Neocalanidae [MBF\textsuperscript{+}84, CSK\textsuperscript{+}12, DOS\textsuperscript{+}18, FMT\textsuperscript{15}, Gi\textsuperscript{+}93, Kl\textsuperscript{+}01, LGK\textsuperscript{+}93, MBF\textsuperscript{+}84, Mi\textsuperscript{+}08]. Neoglacials [Ki\textsuperscript{+}14]. neon [IIS\textsuperscript{+}17]. Nepholoid [OV\textsuperscript{+}02, CL\textsuperscript{+}70, DL\textsuperscript{+}17, GR\textsuperscript{+}18, HLS\textsuperscript{+}14b, PdMS\textsuperscript{+}13]. nephelometer [GRMB\textsuperscript{18}]. nephelometer [VK90]. NEPAS [AB65]. Neptunism [Dri11]. nested [BAARB\textsuperscript{+}05, CGZ\textsuperscript{+}16, SZG\textsuperscript{06}]. nested-grid [SZG\textsuperscript{06}]. Net [BD\textsuperscript{+}20, Wh93, BC\textsuperscript{+}19, CK\textsuperscript{+}13, JT\textsuperscript{+}18, OKdA\textsuperscript{+}19, SMP\textsuperscript{+}22a, SWP\textsuperscript{+}13b, TBS\textsuperscript{+}19, VEM\textsuperscript{+}21, WB\textsuperscript{03}]. nets [JF13]. network [ADC\textsuperscript{+}13, HMR\textsuperscript{+}03, KLC\textsuperscript{+}15, MGd\textsuperscript{+}18, MDR\textsuperscript{20}, RZTD\textsuperscript{17}, YP\textsuperscript{+}10]. networks [KM22, TM\textsuperscript{+}19]. neural [HMR\textsuperscript{+}03, KM22, YP\textsuperscript{+}10]. Neutral [Mc\textsuperscript{+}88, MJ88, SBC\textsuperscript{+}16]. Neutral-surface [McD88]. Newfoundland [HMP\textsuperscript{+}13, CGV\textsuperscript{13b}, DM13, HBL\textsuperscript{+}13, LNB13, PCM\textsuperscript{11}]. Newfoundland/Labrador [CGV\textsuperscript{13b}]. newly [GKS\textsuperscript{+}13]. newly-discovered [GKS\textsuperscript{+}13]. newmani [HL\textsuperscript{+}05, LP\textsuperscript{+}05a, PL\textsuperscript{+}05]. Newport [HWS\textsuperscript{+}07]. Niche [BGA\textsuperscript{+}21, PMH\textsuperscript{17}, BMG\textsuperscript{13}, DFM\textsuperscript{+}15, DFH\textsuperscript{+}16, EBM\textsuperscript{+}20, GBV\textsuperscript{+}21, KBE\textsuperscript{+}22, NHE\textsuperscript{+}13, RPR\textsuperscript{+}21, TM\textsuperscript{+}21, WLP\textsuperscript{+}21].
nich-environment [KBE+22]. niches [GRB+08, HLD+21, SBC+16, XWL+18, ZLX+20]. night [BRD+15]. Nile [CMF11, Ore69]. Niña [ABP15, BCM+02, FWBC02, HCC02, LJPGC02, LC8H07, LB02, MCG+02, PK02, PKF02, RKS01, SMD02, TT8B+08a, WW02, WDMC02]. Nino [Pea02, FWBC02, LB02, PK02, PKF02, ACN01, ABP15, BWMCGB08, BCM+02, CCB+02, CCW96, CPC+02, CCHM02, CCCS08, CCA+02, CPNL07, CWS02, DW02, FGGDF+04, GR17, GdRGL+01, HLK13, HMB+86, HCC02, HS02, KC02, LJPGC02, LBH+87, LG+02, LGR+02, LO21, LC8H07, LPF+18, LPARF+20, MG02, MCG+02, MBH+01, PBB+22, SMD02, SPB+02, SJ02b, SJ02a, STR01, SKT01, TT8B+08a, WW02, WLM07, WDMC02, YYK+12]. Niño/La [PKF02]. Niños [SHF01]. Nitrate [CKT+13, CCH+12, GGPG+19, LCR+93, RCSHW22, WCX+21, Whe93]. nitrite [MBP+11]. Nitrogen [BGS+04, WP91, WDMK89, WFBN+13, BHE+08, BN05, BAO+07, DHDN22, FUOG+16, FFA09, HW02, HOY+21b, Kli10, KAAK+16, LFBR+18, MBP+11, MRAP22, PKV18, RDD+18, SIS+14, TFM03, VMC04, Whe93]. Nitrous [dlPHF+15]. Nitzschia [VSPP14]. No [IL20, ROBRB+22]. no-take [ROBRB+22]. NOAH [NF87]. nodule [BJMP19, BJMP20]. nodules [Hey78, VCM04]. NOI [SMG02]. noise [Pie01, RFS10]. noltei [AR18]. Non [FCMC´AS19, GSC+20, MHGGS19, Ang79a, CPNL07, FVA+19, McD81a, MMF+12, PSM+22, PCR+22, RWD01, RGC+01, SL13, TMN+12, Tom81b, TIOM16, WLP+21]. Non-carnivorous [GSC+20]. non-El [CPNL07, LPF+18]. non-indigenous [SL13]. non-invasive [FVA+19]. non-isopycnal [Tom81b]. non-large-meander [TMN+12]. non-linear [McD81a]. non-local [PSM+22]. non-normal [TIOM16]. Non-Redfieldian [MHGGS19, FCMC´AS19]. non-Russian [Ang79a]. non-stationary [PCR+22]. non-steady-state [RWD01, RGC+01]. non-upwelling [MMF+12]. non-vent [WLP+21]. Nonlinear [Bre06, CSS51, GXX+22, Li14, McD81a, vHMDL14]. NORCAN [DP13]. Nordic [HO00, AHSS32, BLP+20, FWL+15, HOH+03, JJA+08, MRO+08, MM01, NHM01, SH09, SAH+21, YS15]. normal [LWBD+17, TIOM16]. North [ALT10, BLAM00, BBM+14, BCM+10, CSC+12, DGM85, DMLL88, FGS+97, GLF+17, GSF+15, GLLB22, HBL+13, HMP+13, HCV+20, LZE05, MHS+20a, PGC+96, Sei63, Tom81a, VHV+12, BFH01, BAOM+12, CCG+20, GL06, GdRGC+14, HPB+09, HFO90, LG22, LSC12, MTC12, PLK14, RWOA01, STC10, SAA+15, SVU02, WDC+11, ZGB+20, vAB96, ABD+17, AHP19, APC+12, Ang84, ABSDC07, AFH+11, BM76, BRB+01, BZD+21, BDT15, BGMP03, Bnea04, BLHB07, BLAM98, BGM+99, BBL+18, BDBJ01, BHLU+07, BMG+21a, BMN+99, BB85, CRGA17, CPG+18, CMJP+18, CBB+02, CBB+22c, CCHM02, CAT+08, CSK+12, CHSB+21, CF07, DHC+20, DN07, DML+16, DL09, DLM+96, Dom84, DLC+08, Dri06, DK07, ECGP01, ED82, FCMCAS19, dCFK17,
FKZ+15, FvBA+17, FMP19, FJH10, FW91, FMW91, GHF+21, GMDD+22b, GTB07, GKR20, GdRGL+01, GPC+03, GC09, GLS08, HSS+12]. North [HPC+20, HVRR15, H000, HM00a, HMWM00, HFNG00, HDZY15, HRS08, Hea12, HBR11, HMPZ11, HKPV12, HGBG20, Hs22, HAA+14, HHSR07, HHP10, HH2+17, HMH07, HPNC15, HMA18, HWS+07, IIS+17, IHT+21, IMM+22, iIRM+15, IU14, JAS+20, JJS03, KRL08, KST+10, Kat18, KY15, KDL+01, Kos93, KAH+16, KDB95, KFM15, KTW+22, KYS+17, LS20, LYM12, LSBP01, LLH+21, LSGM01, LM14, LGZL22, LOC95, MMG+13, MRN+14, MHS+20b, Man04, MEMP15, MF+17, MHR+10, McC92, MS17, MS17, MRH+14, MBF+14, MS00, MM99, Min00, Min02, MTK+22, Mol04, Mr03, MNFY21, MW96, NEI+22, NCH+07, NJCD01, NOM+21, NGNV12, NRI17, OTN20, Ola65b, OOTA15, ORMR+19, OMS+15, OAD22, OAM00, ORMB08, PMG15, PVC+08, PL01, PBB+12a, PDV12, PBB+12b, PDMR06, PJH+15, Pie01, Pug84, Qiu15, RWD01, RSB+01, RM93, Re04, RCD+94]. North [Ric85, Ric93, RDC+21, RAB+84, Roe84a, Roe84b, RB84, RJT84, RM89, RHM+19, SGL+18, SCLG+11, SVHM+13, SHK+14, SIR+07, SAM+04, SBH+14, Sek99, Sme93, SLG+21, SITS+14, SBD01, SJD01, STR01, SKH00, SASH08, SKT01, SD07, TOKLC08, TST+17, Tom81a, THM+06, THM+14, TRMV15, UMK+14, UB01, VBL+21, VFS+15, VR03, WLD+15, WHS17, WFD+07, WSO+13, W085, WNN21, WBH+13, WBB+01, WJPHB15, WZ04, WW07, Wu13, WG82, YYT+14, YMA+17, YTB+21, Yas07a, YSD15, YAK+08, YBPS08, YFY+12, YFY05, YSN20, YMK+04, ZLZ+17, vAB96]. North-East [ALT10, CSC+12, CPG+18, PMG15, ABSDC07]. north-eastern [HPB+09, vAB96]. north-west [RWOA01, GKR20, Tom81a]. north-western [LSIC12, MTC12, ZGB+20, SGL+18, SAM+04]. Northeast [FKH+13, HHW22, KFM+17, VSC01, AGL+15, BP02, BKD+20, CZG+21, CR20, DCK13, DMBB02, DAKV99, KJZ+12, KT04, KRHS14, LG10, PHM16, PB07, PP85, RTN90, SMG02, SMG02, SJ02a, TH90, ARG11, BMNW01, BSH+20, CPHR98, CBOP15, DBC+18, DSC+21, DP13, FMSBW13, HB+21, Has06, Han18, HHW01, JSdSS+21, JLB+08, KYT+16, KSR+01, KRL+22, LBB+01, LMP22, MBT07, MFB+84, NXT+17, RGC+01, Re90, RFK16, RGM01, SLOP+22, SBF21, SLY+15, SBE+20, TWBC+13, Tit20, WWHW03, WDK+01, WXH07, XNT+17]. Northeastern [GD85, BDG+17, HLM+16, PCD+18, SDP+22, WLP+21, JG07, SSV00, VP01]. northeastward [FZ88]. Northern [DMF+09, FAVA+15, Mar20, MBD+09, W085, ABE+15, AJV+02, ABP15, BLT+08, CWZ+20, CSM+15, CMSG19, CVBG21, CBGC+08, CCM+14, CCH+12, CBT07, CS04, DML+16, DBR03, DWN04, DJG+02, DSR21, DFC+21, EBV0+09, FJA+21, FUG+16, FMC+20, GC14, HBV+10, HSC09, HW02, HOY+21a, HPZC21, HMM07, HHZ+22, HSF02, IHY+01, JCM+21, Kli10, KLP+17, Kos02, KS15, LDAM+07, LBP15, McC92, MMD+16, MF15, NEI+22, ON05, OVR+02, PK02, PBS22, PCH08a, PST+15, PCH+08b, QLW10, RCS+11, RGE22, RDC+21, RB20, SE16, SSTL16, SR15, SPB19, SD07, SYN+21, TMAGC+21,
VOG+08, VBM21, VOJD02a, VOJD02b, WD94, WST+21, WL16, WZC20, XLX+20, YBS+01, YPGE+10, YGC+21, ZHD+20, ZDG+21, ASFB+13, BH85, BPSN+21, CBB+19, CBB+22b, CRT+22, DMML88, DLJ+21, FWO15, FFA06, GCED22, GCF06, HMRR+03, HWF+21, JBB+14, MPC+17.

**Northern** [OBD+20, PL09, RBE+12, SMG02, TTB+08a, TTB+08b].

**Northern-Boundary** [WO85].

**northwest** [AS20, HHK+22, HWLT10, HHH+12, HG04, LPARF+20, MMB10, MCRG07, MM80, Mi91, SHS+05, TLH+15, TLP+16, YJS86, BIST01, BHB+19, BAB+19, BHMS09, CGV13a, DP13, GM19, JS21, JM19, JLBJ20, JCIG18, KM19, KKS+19, KHP+18, LFC+15, MH02, Mi83, NB87, OMK+22, ORR+02, QPR03, SPK+22, VNMS91, WMB+21, WAH+20].

**northwestern** [ANH21, AJHC19, BGA+21, Car98, CLL+18, DZ04, FVA+19, FEGA+14, FMWW14, GIPG17, KCL+12, KL14, LY16, lldZQ+22, LSMG01, Mar20, MMG+11, OT19, OACB+15, Owe91, PGLG+05, PAG+18, RLP+18, SGL+13, San73, SM21, SvWRvB02, SCC14, STS+12, ZZPL18, CGM+02, CNBD21, CFC+18, CdMS+18, HLM+13, JMG+13, LGL+18, SGA+19, TMPM+16b, TMPM+16a, Tol85a, TCL+15, WH20, ZFSV+09].

**Norwind** [RCB+20].

**norwegica** [CNT+19, KSBN21, MPSD15, SIR+07].

**Norway** [Mid69, MPN09, SST+17].

**Norwegian** [HBL+13, BMK12, BPBNB0, BS95, DCL+13a, DBM17, EBD+20, FDE+22, FAH+13, HBG+21, HMP+13, Leg91, Mos69, NF06, SBK+05, Ste91, SBS90].

**notably** [dSsD+20].

**Note** [ANo03b, ANo01, ANo19a, ANo07b, ANo08a, ANo10a, BSA06, FZ88, Sud86, Swa76].

**notes** [BM76].

**notice** [Swa77].

**nov** [AM19].

**Novel** [CCM+13, SPH+15b].

**November** [ANo04a, ANo11b, ANo12b, ANo14c, ANo15b, ANo16s, ANo18b, ANo19j, ANo20b, ANo21, ANo22-29, FBB+21].

**NPP** [VEM+21].

**NSCS-RioMar** [XLX+20].

**Numerical** [AR18, AEPW93, GRS08, HT97, Leg91, Li14, MGKW19, SZG06, TCM20, YN03a, YN03b, Yux88, ASFB+13, Ano94c, BPFS06, BCG+08, CDH+13, CCM08, FDHT05, HSH97, KRL08, MKM93, PTF10, Pre6, RDL+91, SGMVF14, Ste91, WDMK89, WD94, vFB82].

**nurseries** [DFM+15].

**nursery** [CDT+21, HvDL+17, RASVB+22].

**Nutrient** [CCW+02, HNR+17, LGZL22, LGD+20, PMDR06, SMP+22b, ZLR+07, AJA+22, AFBT+22, CHC+12, CW02, DHL+21, FCMcAS19, Fly03, FY805, HLR17, HAH+22, ILA21, iYIO+10, JJI+19, JX18, JROW1, KTN14, KSPK9, KN1+05, KZD+19, LDD+22, LFBR+18, LZC05, MRA+19, MHGS19, MHCR+12, NHH+21, NKK+05, PV07, PKV18, ST03, SKP99, SM16, TDGY22, TAM+15, TSP+13, WW02].

**nutrient-conserving** [HAH+22].

**Nutrients** [CDH+13, TWAL+11, BMK12, FAH+13, KSC10, LMC+20, LGG18, LDMH09, RDD+18, SK18, SK21, TLP+00, WGGZ19, WDMC02, WXH07, ZGZ19].

**nutrition** [GLV12].

**Nutritional** [LD90, DMC+18, KTN14].

**NW** [AAM+14, ABT+04, BAO09, BMG+21b, CLD22, CQZ+18, KFC+13, LRGV+18, PGT+13, SC07a, STG+18, VFCC+22, ACB+13, ACL+18,
ÁSDB+01, ÁSFP+03, AUE+14, BAM+09, BGM+01, BCOL+19, BBPHG+11, BBRM20, CJRÁ+13, CCHV+21, CHSB+21, CVHM+18, DAU+22, DCL+13b, FBR+13, FARRL+13, FB01, GMAMB04, GASV+09, GHL15, GBB+20, HBB+01, HDM19, HBV+99, HBB+22, JVR+13, JW01a, LSM+22, LB20, LFBP+13, LMP22, OBW+01, POS+07, PPHM8, PPSVC+13, PGGG17, PRL+18, RCC+18, RCF+13, RAŚG+13, RAE+05, SOS+07, SSB19, SSB20a, SCMAR+99, SVHM+13, SCB+09, VSPF14, vWM02a, vWdSBdH02].

O [BSF95, CFG07, CF12, CMF15, FC07, LCJ+17]. oak [FBR+13]. obesus [HHP10, MRAP22]. objective [HRA00, RGB+17, VBL04, WSO+13].

Objectives [PV18]. Observation [ILI+12, LLH+21, MAB+11b, VBVYT05, DDJ+21, UGY+22].

Observation-based [LLH+21]. Observational [BCG+08, DFC+21, Sch03, FRK+09, Kag97]. Observations [BltTW10, LRS+03, MM80, MKMF+89, PL18, Tho77, WSH+22, XHC+20, APN+15, ABM+05, ALBP87, BIST01, BBDJ01, BPC+05, BRR+12, CSS11, CPSM20, CCH+12, CR1+15a, DHC+20, DOS+18, DLC+08, FRV+19, FGR+06, GMB+01, GTKN21, HTdM+15, HHZ+22, KHD22, LaC08, LS20, LHE+13, LC16, MBS20, MS00, MKM86, PC87, Pra91, RM97, RR03, Rud15, RKC+10, SGM+18, Ste04, SNS+22, TBS+19, TSAM+22, VBL+21, VNM91, WZC20, YN20, YLY+14, vHMDL14, vHCY+20]. observatories [RAB+11].

Observatory [HBD+21, CNSHT15, DOS+18, TAW+15, VGJ+19, SAW+15].

Observed [CGD+22, KSK21, MVS08, ZLZ+17, CS04, HMRA+03, HBD+18, JJA+08, Kos02, KRHS14, LO85, Man69, McG64, MSS+02, Ric93, TYO+14, VK90, YYK88, ZZPL18]. observing [HBD+21, MJC+17, SFK+99, VSA+21, Whi95]. obtained [PHC+19].

occidental [MEMC05]. Occurrence [CGJ88, PAG+18, STG+18, SCCJ+18, DWN04, IMM+22, MB01, SCB+09, SOWS17, SWP+13a]. occurrences [KTO4, MRW+14]. Ocean [AC85, Ang79a, APSC11, BMG+88, Brem82, DDJ+21, FTF+11, HMRA+03, HBV+10, HBB+22, Ike88, JJA+13, JCM+21, Kra82, KPSB17, KMF+20a, MCL+15, MYH+22, MAB+11c, MAB+11a, MAB+11b, SCS+18, SAA+15, SPK+19, SJM+19, UGY+22, AFBT+22, AK97, AGS10, Ang89, Arb22, AB65, BBE+15, BH4+16, BHHR15, BGM+99, BPGD+14, Bro82, BB10, BCG+08, Cal95, CKP+20, CVBG21, CBB+22c, CSS+19, CP83, CWS+21, CGB07, CEF+13, Dea85, Dur09, ERBV21, EHSI12, EGPM+15, FPD+01, FDM05, FBS22, FWH+17, Fuk91, FWL+15, GPEV20, GSSP+20, Gar06, GR17, GLAH+22, GCD+13, GBC+16, GCCD22, GCD97, HP1w20, HKL+15, HHK+22, Has82, HS07, HDZY15, HM15, HLA07, HHMB+09, HAA+14, HKF08, HTdM+15, HWB+18, HDB13, Hut87, Hut92, Hut95, HSF02, IGG+19, IG19, JB15, JvdLL+15, JSKM02, KM08, KC15].

ocean [KBHML17, KFM+17, KY14, KA85, KLIRK17, Kru19, KRL+22, LVGH+15, LK13, LL07, LRW+15, LMS10, LGZW22, LL21, LM97, LB14, LH89, LSS8, LLL+22, Mac98, MBT07, MGE+12, MHS+20a, MHS+20b, MB20, MMR+12, MPM+17, MBS20, MFS+16a, MFS+16b, MJ88, McK15,
MFDH22, MWS⁺10, MFB⁺84, Mit91, MK12, MJC⁺17, MZGA⁺20, NHS⁺14, NNM⁺21, NH88b, NGB⁺05, OWH14, PRP09, PCK⁺06, PM22, PSK96, Pie01, PZA⁺15, PVAB⁺21, PLK14, RM97, RSMIS03, RGI05, RG09, RFKC16, Roo82, RLC85, RA15, RAB⁺11, SMFM⁺21, SGLF⁺13, SOB⁺08, SSF⁺20b, SMN⁺14, SF15, SZG06, SE08, SE09, SBLA10, SØN⁺20, SA97, SHF01, SBB⁺22, SV97, SMKK21, Ste04, SJD10, Ste91, SK91, SBBV04, SW65, SSW⁺09, STGR⁺14, Szu12, TMH⁺16, TAM⁺13, TAH⁺11, Tur15, VBL⁺21, Val99b, VGJ⁺19, VDS⁺18, WD94, War06, WGS13]. ocean

[WSO01, WMB⁺18, Whi94, Whi95, WLM07, WHI⁺02, WBH15, XLX⁺20, YFK21, YS15, YSS14, YN03a, ZCD08, ZKT88, ZL01, ZHBW01, dMM69, dHA⁺04, vHCY⁺20, AMFY20, ADAK⁺18, ASAB⁺14, ABMAS14, ABM15, AKAL20, ATC⁺19, Ano94c, AFH⁺11, AGL⁺15, AvD15, APHG⁺22, AT07, ARG11, BBE⁺15, BSC⁺19, BGMP03, BP02, BSF95, BvDLA⁺11, BGM⁺10, BLHB07, BEH19, BMiMD⁺21, BKC15, BHS⁺15, BHC⁺18, BC16, BS95, BS02, BLES16, BJT⁺17, BGWP⁺17, BTV⁺17, CSR90, CKM⁺21, CPC⁺15, CVBG21, CSLJ03, CGZ⁺16, CKT⁺13, CDLP14, CRPS⁺15, Dag93, DaV⁺21, DYO⁺10, DML⁺16, DPB06, DCKB13, DMC⁺18, Don65, Don87, Don94, DS65, DBMB02, DBRK17, FPD⁺01, Fai65, FGS⁺15, dCFK17, FPJ⁺15, Fre07, Fro93, FWL⁺15, GMAH⁺17, GTB07, GBC⁺00, Gi93, GLAH⁺22, GWGR⁺19, GTRN21, GH⁺20, GCS91, GS⁺15, GLV⁺12, GVKD⁺13].

Ocean [GMDS20, HLR17, HSK⁺19, HPB⁺09, HVT22, Hay65, HBR11, HGPFN⁺14, HTG⁺19, HMO⁺13, HSLG11, HKE⁺10, HBW17, HVC⁺20, HFK03, HLBT⁺17, HHP10, HK65, HPH⁺08, IMM⁺22, iRJM⁺15, ISH⁺04, JS21, JAC⁺12, JHM⁺22, JGO7, JCM⁺21, JPJP22, Kam19, KRL08, KSR⁺01, Kiv97, KAK⁺22a, KS06, KH09, KAH⁺16, KB65, KTW⁺22, KMF⁺20b, Lj65, LNH01, Let87, Lev88, LMH⁺13, LMT⁺19, LdSH⁺15, LM14, LSW⁺21, LLX⁺21, LS15, LB14, MMR⁺09, MGWZ20, Mar20, MRO⁺08, MR06, MRAP22, MOS⁺13, MMF⁺17, MKM93, MFS⁺16a, MFS⁺16b, MBK08, MC64, MRH⁺14, MSV⁺22, MPSS01, MHH⁺15, MN88, Mil88, MC88, MS00, MFA⁺15, MTK⁺22, MFMY5, MKG⁺86, MKOLA20, MJD⁺21, MCM⁺17, MV508, MCH⁺12, MW96, NJCD01, NXXT⁺17, NMY⁺14, NYH⁺22, No03, NKK⁺05, NRA⁺21, OMK⁺22, ORW⁺07, OPG⁺10, OT19, OKD⁺19, ORMR⁺12, PMG15, PFM16, PPV12]. Ocean

[PPKR14, PAPL15, PMH17, PS91, PYKF15, PGS⁺22, PP55, PHA⁺17, PFE10, PAF⁺11, RWD01, RSB⁺01, RJO⁺19, REFL21, Rei86, Rei89, Rei94, Rei97, Rei03, RCB⁺20, RKFD07, RTN90, RGE22, RM89, RFPG15, Rud15, RKS⁺15, RHM⁺19, SSB91, Sai65, SCLG⁺11, SBC⁺16, SLO⁺22, SBK⁺95, SM01, SDS02, SDS22a, SKWWGV18, SVU02, SAM⁺10, SWT⁺17, SW22, SR15, SEW11, SO91, SQJ⁺17, SPB93, SMP07, SW21, TFY02, TKS08, Thu90, TLM⁺17, TWBC⁺13, TAM⁺15, TBW00, TSJ⁺12, Tsu86, TRMV15, UB10, VSA⁺21, VDP⁺01, VDDA⁺08, VKGP⁺13, WMC⁺89, WHS17, WH20, WMWR08, WTT14, WKS⁺15, Ws15, WSC⁺21, WLM⁺13, WSG⁺93, Whe93, WCN⁺05, Wil85, WC15, Ws65, WG82, XCI4, XWW⁺21, ZSI⁺05, ZPY⁺20, ZBY⁺22, ZJZ⁺21, dZTG05, vAB96, vWMH98]. ocean-climate
[STGR+14]. ocean-color [McK15]. ocean-shelf [Hut92]. Oceanic
[BM86, CR07, HFO+22, LM10, PMG15, RG03b, RK03b, RR03, BH07,
BCLD+17, BT07, CLV+19, CTI+19, DFC+21, Emi65, FELMGM+22, FK86,
Fra69, Gif93, HTG15, Hol00, HRA00, Jac10, Joh04, Kaz17, Kun03, LDHW20,
MSMR93, MM99, MTH+10, MCM+17, OCH+18, PELAA18, PK02, PFE10,
RMK+21, RL85, SMdG02, SJ02a, TBS+19, XHW+20, YTO6, diHRA+18,
RG03a]. Oceanogr
[ABM+15, BJMP20, FDH20, GFB+15b, JLP+20a, KN11, KMF+20a,
MHS+20a, MF+16a, RBS+20, SE09, VH09a, WF07, Yas07b, dMG+11b].
oceanographer [CNT03, YRKC08]. Oceanographic
[BPF06, GAM98b, IPD14, MVBC+21, Ore69, QCdS+07, RAG+19, VKDS+18,
AKAL20, BL02, BASS+20, BPSN+21, CBB+02, CGC+20, CdTH+16,
DMBH10, DMF+09, DCL+13a, DB02, EKB06, EBR+14, Gar03, HGBG20,
ICB+19, KJZ+12, Kv69, LJ+16, MNT14, MLL+15, MMES16, MiH06,
Mit91, MWFH02, MGH+07, MBD+09, MKSW+15, NRS+19, NM17, NBLI20,
PGY+22, PC87, PRC+20, REG+15, RNBP+19, RBPGJ+20, SSS+11, SF02,
SM+20, STC10, SWP+13a, TKC+22, WC15, XYL+22, Yas07a].
oceanographical [Coo69, VKGP+13]. oceanographically [DIQJ21].
oceanography [Ano94c, BLAM00, Fei04, HHW22, Kru19, RLSF07, RG03a,
SAA+15, SHC+07, VHK04, BC91, BMGN15, BD85, Dav99, FF83,
FJhT+14, F ´AFL06, FL06, Gou85, Jac10, LFA+06, OEL+14, Pai20, PIS13,
PFHM10, RBD+07, SGPdM18, SFK+99, SENS13, SMB88, TDH+95, TAO05,
Tol85a, Tol85b, WB03, Wius64, YSD15, Hof81, Ang88, WR03].
oceanological [Ang86]. oceans [BPGD+14, DP18, FC05, KF11,
LCR+93, MC+15, OP18, SnV04, SBM11, VBC+20, CRF+10, GPA+11,
HGT16, ICB+19, KSV08, KMWF11, MMF+07, Ang79a]. OCLE
diHRA+18]. October [Ano21t, Ano22-30, CBB+22b, Ano98e, Ano00c,
Ano00h, Ano02c, Ano03b, Ano04e, Ano05b, Ano06b, Ano071, Ano08q,
Ano11g, Ano11j, Ano121, Ano181, Ano20t, CBB+19]. octocoral [SW21].
Octopus [O ´ASG+16]. ODAS [CPB+15]. Oden [NBR+08]. Off
[ ´ASDB+01, ÅSFP+03, AMEV07, AAM+14, AMG+16, Ang79b, ACN01,
ASB+08, ACHSH08, BW08, BBLD+11, BSMD15, BGM+01, BST01, BFH01,
BGM+10, BBNS04, BSC+07, BAOC+09, BM07, BM86, BASS+20, CPG08,
CMF+09, CCW+02, CMS+13, CGG08, CCMS08, CPNL07, CFG07, CF12,
CW02, Cra09, DM13, DSC+21, DB02, Dur09, ES07, EHG+07, EM12,
EHFD12, FZ88, FC07, FPO3, FB01, GMBU12, GEO09, GGQ07, GMAB07,
GDI+09, GRB+08, HHB+01, HPS+01, HFW+98, HEF+12, Hoh10, HFO90,
aHFS92, HFW+21, HSFO2, HWS+07, IVT+12, JE92, JW01a, JIT+01, JJS03,
JGO+98, KKBO0, KP03, Ken88, KC15, Kos02, KPSB22, LC12, LOG+09,
LAA12, LQ07, Lie88, LZG20, LPF+18, LS13, Man69, MERB12, MLD+03,
MB01, M800, Mid69, Mit83, MMF+12, MDC+07, MGH+07, MTH+10,
MHCR+12, MA12, MSL+07, MDL+12, MCGS+16]. Off
[NEI+22, NIF+15, OLH+18, ORW+01, O ´ASG+16, PCSMC12, PELAA18,

P [Ang80, Hof81, CGB07, CR20, DVB+18, Fre07, GGGQ07, GLS08, JJA+08, MG02, PHK+17, PV07]. P [vPRT90]. P06 [KMWF11]. Pa [DTKvH15].
Pachygrapsus [PPPdS20]. Pacific
[AYK+05, AFH+11, ARG11, BJMP20, CLSD18, CSR90, CF07, GLV12, Hau18, HHHW22, HHP10, IMM+22, iIRM+15, JS21, Kani9, KSv08, KTW+22, KMF+20a, KMF+20b, LM14, LLX+21, MS00, MTK+22, MW96, NXT+17, OMK+22, PYKF15, Rei86, RM89, SJ02c, SJ02h, SKH00, SW21, TWBC+13, WF07, WH20, WSC+21, WVN+99, AS20, AALM06, APHGC+22, AT07, BPF06, BE99, BP02, BGM+10, BLI+99, BHH+19, BHH+16, BJMP19, BLP93, BMC+10, BAB+19, BBRM20, Bri79, BMN+99, BPM+14, BI85, BPSN+21, CBB+22a, CES+19, CSLJ03, CBOP15, CAT+08, CSK+12, CF07, CRPS+15, CR20, Dag93, DYO+10, DN07, DWH+14, DCKB13, DOS+18, DRE+08, Don65, Don87, Don94, DLC+08, DMBB02, DBRK17, DLM91, ED82, Emi65, FELMGM+22, FJhT+14, FM+20, FÁF06, FT06, FL06, FGGDF+04, FC05, FMCG15, FLUC08, Fro93, FK99, FMT15]. Pacific
[FFT+18, FB05, GR17, GKR20, GDM+20, Gb93, GBT+19, GW91, GdRGL+01, GM19, GCFS06, GBC+15, GC09, Gri22, GRdSS+22, HSS+12, HKK12, HPC+20, HM00a, HMWM00, HBV+99, HHH19, HRSM08, HZC16, HGT16, HGBG20, HKY+11, His22, HM08, HW01, HFO90, HLTB+17, HHH+17, HWS+07, IIS+17, IHT+21, IHY+01, IA90, iIRM+15, IU14, JM19, JLRB20, JSM02, JSLA+21, KST+10, Kat18, KTT+16, Kes06, KHH22, KIL14, KKKY10, KAK+22a, KST03, KTT+22, KKS+19, KN+05, KRHS14, KYS+17, KRL+22, LMB+16, LI65, LGK+93, LMS93, LFA+06, LYM12, LMW+12, LW85, LBH+87, Le01, LSS+10, LBSP01, LMH+13, LLdZQ+22, LSG01, LB20, LCGH07, LLS01, LGZL22, Luk86, MMR+09, MSMR93, MT99, MBT07, MRRC73, MCD+14, Man04, MTC12, Mar20, MRAP22, MMF+07, McI10, MS17, MS17, MM06, MPSS91]. Pacific
[MFB+84, MN88, Mil88, MC88, Mil93b, MSA+22, MM99, Min00, Min02, MS15, MNFY21, MCGB+01, NMLBC+01, NMO+21, NMY+14, NYH+22, No96, Nof00, NKK+05, NРА+21, ORPRG+22, OTR20, OPG+10, OOTA15, OT19, OAM00, ORMB08, PGY+22, Peño3a, PV07, PB07, PMK+06, PS08, PGS+22, Phl65, Pie01, PLK14, Qui15, RTF+05, Rei97, RMG90, RvBD+22, RDC+21, RHBS13, Rog00, RGM01, RPSC22, SS19, SB20a, Sa65, SSH+05, SCLG+11, SFO2, SDGVE17, STF+13, SMdG02, SMG02, SBH+14, Sek99, SCC14, SBFP21, STS+12, SO91, SIS+14, SPS+99, SPB93, SJ02a, SAS08, SKT01, SHT+05, TJJ3, TF02, TKS08, TOLK08, TTT0, Tan99, TMÁGC+21, TSJ+12, TL+89, TSN05, TTK+05, Tur65, UKM+14, VCM04, VMH+21, VMN08, WFH+22, WF06, WO85, WNNI21, WLM+13, WS+93, WHE93, Whi94, WCN+05, WFN+13]. Pacific
[WFR07, Wil65, WLL06, WH07, WBD+15, Woo18, WJPB15, WZ04, Wu13, XYL+22, XCl14, XNT+17, YYT+14, YMA+17, YTB+21, YAK+08, YBP08, YYK+12, YFY05, ZSI+05, vHVAT22, HHHW22, Wu13]. Pacific-Asian [FJhT+14]. Pacific-influenced [GCFS06]. Pacifica
[DSBP15, FMC+20, H05, OTR20, RB20, SBFP21]. Pacificus
[JC04, KSK+15, LPHL+05b, PLH05, PLH05]. Pack [SLGI+21].
paedomorhosis [GM19]. PAEs [PAG+18]. Page
[Ano17i, Ano17j, Ano17k, Ano17e, Ano17f, Ano17g, Ano17h]. Page/Cover
[Ano17i, Ano17j, Ano17k]. Pages [Ano63c, Ano64d, Ano65h, Ano65i, Ano69c,
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Ano88d, Ano88i, Ano88f, Ano88g, Ano88c, Ano88e, Ano88h, Ano89d, Ano89f,
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Ano94e, Ano94i, Ano94f, Ano94d, Ano94h, Ano94g, Ano95d]. Pages
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Pagophilus [FJH10]. Palaeo [DVL+99]. Palaeo-environmental [DVL+99].
[CHSB+21, PGLG+05]. palatability [PMS+15]. Paleooceanographic
[LXCT+22]. paleoceanography [SBH+14]. paleoclimate [SOH21].
paleoenvironment [YSY+19]. paleogeography [Sai65].
paleooceanographical [Ola65a]. paleoproductivity [MDL+12].
paleotemperature [Ola65b]. paleothermometry [SBH+14].
paleoxygcnation [MDL+12]. Palk [JJA+13]. pallasi
[GBT+19, Nag01, STF+13]. Palmas [Ano09h]. PAMS [FJhT+14, LMW+12]. pan
[CW06, PFW15, WCB+20b, CSK+12, HRSM08, MVN+15, VMB+22b].
pan-Arctic [CW06, PFW15, WCB+20b, MVN+15, VMB+22b]. Pan-North
[CSK+12]. Pan-Pacific [HRSM08]. Panama [BSW86]. panarctic
[CBC+06, CWW15, HKGH+06]. Panulirus [SS69, WOW+14]. PAP
Pas22, PPCWJ18, RTF parameterizations [GLS08]. Bri79, CAM06, KPSA17, SSVP00, SW22, SMPC12, HBD +16, RAG +19, RASVB +22. Parallel [SPMVP05]. parallels [GA01]. paralytic [CAH +22]. Paramunnidae [GM19]. Parapenaeus [PPdS21]. Paratethyan [Gal17]. parcels [RLC85]. par [AVG +19, Igu04, IMW +14, INT14, KFKO03, KNS +03, KSD84, Sim84, BBS21, GAM98a, GAM98b, Hau84, MFS +07, McD81a, McD81b, MR03, MAB +11c, MAB +11b, RANS65, SFMT12, SFMT14, SDK84, SJ02c, SJ02b, TTB +08a, TTB +08b, VOJD02a, VOJD02b]. Partial [LGZ +20, BF01, LM00, YCP +12]. Particle [DL17, KKS +18, NMK +03, NKK03, RCSVGP +16, TCDPP +22, ZFSV +09, BS02, DTKvH15, FLdST98, GIPG17, HPC +20, JvdLL +15, KNSN +09, KHC +99, LFCSV +13, MBdM +18, MMG +11, NIF +15, ORMR +19, SG91, SMN +90, SRC +19, TFY02, VK90, VSC01, ZDM +20]. particles [AH15, BPNB90, Bla63, BGR +15, BT07, FRK +09, FAV +15, FK86, FDE +22, HM15, KSR +01, LTJ +15, MPM +17, MLD +03, MLL +15, NMK +03, Pas22, PPCWJ18, RFT +05, SPB +02, SCT +00, TSBS18, VDP +01, WGZZ19]. particular [KDB95, TR99]. Particulate [BSW86, HMKF08, LPA92, AYK +05, CGM +02, CLG +00, CS89, CE84, DDDT99, DDP +00, DOS +18, FUOG +16, FRV +19, HSLG11, HOY +21b, HPZC21, IU14, KLB +21, KBC +22, LSB +17, LSD +18, LSD +15, LFDP +13, MFH22, PL87, PLP99, PBP +99, SMN +14, SK18, TVW98, TZP +00, TDK +16, TRMV15, USH15a, Wle93, WRS +92, ZZWL06]. partition [BEH19, FP15]. Partitioning [FDM +13, BGA +21, EBM +20, ERBV21, GVBV +21, IS19, KPSB17, MSMR93, NHE +13, PPKR14, SPB +12, SM16]. partnership [KY15]. Passage [CLV +19, CP07, GWGR +19, Spr08, VKDS +18]. Past [BCD +20, DPB06, WH89, BDLW14, Den87, HDZY15, HPHW21, KKK04a, LW07, LDMH09, NW87, PM13, SLG +12, SBB +14, SKRM +95, XNT +17]. Patagonia [BPSN +21, CSMSG19, CCM +14, CTF +19, FCN +19, IPD14, JTD +14, LSV14, MVBC +21, MSV +14, SQ19, SPSR +14]. Patagonian [CMC +16, CM18a, CCM +14, CBPS +22, GHVG19, GF97, GCD +13, MTC14, PMA +14, PLGVS +14, PWZ +16, QOS +22, RPSVLS14, SV14, TSRF14]. patagonicus [STC10, STEB16]. patch [PSL87, TNS +05]. patchiness [Mar03]. path [Cia14, ORCH +19, TMN +12, TSS +12]. paths [IMW +14]. pathway [NBHM01, QLY +22]. Pathways [YKWF21, ZSI +05, BNCC15, CRT +22, LGH +21, MRMD +97, Men21, MJD +21, NMO +21, PGG +22, RBL90, RBE +12, SPG +06, STM10, THM +06, WHS17, ZLZ +17].
pathways-orientated [STM10]. pattern [FPIJ85, GKS+13, HRMB+03, SMFM+21, SI+07, UAM05, XLX+20, XLL+20, ZGB+20]. Patterns [BDL08, BL02, CMM+04, CLD22, CB09, CRF+10, KPSB22, QPR03, RKCH15, SM05, SBB+22, Ant09, BGMP03, BMO12, BWB+09, BHC+18, BD18, BAP+22, BFV+17, CGG08, CRHM12, CCW+18, DGGdR02, FW015, FW+17, FPY+16, FMCM15, GSV+01, GHF+21, GL06, GNH19, GBC+16, HLR17, HDZY15, HEP+12, HLP+16, HHW01, HHW22, HVEF09, IGG+19, JYK+14, KKK+24, KFI+15, LJ+16, LDAM+07, LW85, LFC+15, LC16, LW13, MHGGS19, MB20, MBB+20, MNN+15, MMP+15, MHS+09, MMC+17, NDEG22, OMK+22, OHC+17, OPG+10, OACB+15, PGLG+05, PCM11, PK02, PSA+19, Phi65, PG10, QOS+22, Rei86, Rei89, Rei94, Rei97, Rei03, RSS03, SBB+20, SL+16, SGA+19, SPG+06, SLV+15, SEG22a, SK17, SPH+15b, SI97, SBS90, TSC03, WTT14, WPH+10, YHRT22, ZLX+20]. Paul [Bak83]. Paz [LM10]. Pb [KKS+03, MSL+07, SCMAR+99]. PBDEs [FDM+13, RNL+13]. PCBs [FDM+13, RNL+13]. PCDEs [RNL+13]. PCNs [RNL+13]. pCO [AEPW93, CVBG21, GCB+22, HSS+12, VSA+21, ZKK+16]. PCR [AIA+15]. PDO [Wu13]. Pearl [LYZ16, LZG20, WL16]. Pedro [Gor92, Hic92, WJE+92]. Pelagic [BNBP90, FvBA+17, Mil93b, Sou4a, ARD+03, Ang89, AE09, BDP+06, BN03, BAOC+07, Bol94, BCL+09, BAP+22, BFV+17, CKB+17, CSMGS19, CBOP15, CRF+10, CAB+99, DYO+10, DPH+18, DR+18, DHMP+18, DTV+00, EKB06, ESQP17, FFS+20, HKGH+06, Hoh10, HFPS+06, IMM+22, JYK+14, JLP+20a, JLP+20b, KHS+14, KLC+15, KFH+15, KAAK+16, LRO7, LSY+14, Law04, Leh01, LLAPG+22, Lon95, LSH+22, MRA+19, MHR+10, MMN12, OMK+22, OMK+22, OH94, OPG+10, OvdSN94, POS+07, PRTC13, PAB+21, PSA+19, PBBH+22, PFN+21, PGG+22, SLG10, RFC+15, RG94, SGF+19, SCD+07, SSL08, SGC+06, SGC+07, SPK+22, Tan99, TCF+18, THM+14, VFS+15, WPH+10, YBS+01, vdS94a, vdS94b]. pelagics [RFS10]. pelagic [SWP+13a]. PELAGOS [BC99]. pelamis [KAK+22a, PGS+22]. PELGAS [DR+18]. pellets [RWOA01, Tur15, WTY00]. pen [PRA+18]. penguin [STEB16]. Penguins [STC10]. Peninsula [FDH20, RK03a, BHA+14, BAOC+07, DSR21, DHDM22, HWPLw20, HSH+19, HGH+19, KKB00, LS12, LS13, IWT+20, MWS+10, TNGP22, WCC+20, YN20, ZHD+20]. peninsular [MK12]. pentadecal [Min00]. perception [JSDS+21]. Perciformes [SM21]. Performance [BTNK13, MAB+11a, HCGK11, RSG06, SHT+01]. Pergamon [Ang79a, Ang80, Ang88, Bak83, Hof81, SW81]. period [BM01, FGGDF+04, GCD07, Hen73, HGB20, LAA12, NF06, OEL+14, Pp3M+12, Rud15, TFM03, WHH97, YHY+17]. periods [CQC15, FMM+20]. periphyton [VPM+19]. permanent [MTL05]. permitting [KDL+01, WBB+01]. Persian [BD85]. Persistent [LN13, PGY+22, FEL16, GBC+15, RNL+13]. Persistently [WFR07]. perspective [BCB+05, BKC15, BBFS19, CEF+13, DLD+08, KPSB22, PL18, PL01, Pow06, WCB+20b, WPW+14, Zav99]. Perspectives
[SM16, CW06, JVJ+17, MHH+15, PHCA17, Was15]. Perth [EVM+15].

to pertinent [BGR+15]. perturbations [WWZ19]. Peru [TWMY08, ASB+08, 
ACHSH08, BW08, BBLD+11, BDT+08, CGG08, CCMS08, CRHM12, 
FBM+08, GGPG+19, GRB+08, GEP+08, LGR+02, LPF+18, MS02].

peruvian [BWMGCB08]. Peruvian

[ATT+08, BWMGCB08, BDL08, BHHS83, EALF08, EB08, FFA09, GCP08, 
HLS+14a, JBB+14, SGO+08, SBG+08, TMA'CG+21, XRC+15]. Peterson

[SSB+20b]. Petrace [GCLD19]. petrei [FDB+21, SWP+13a]. Petrology 

[Nay65]. Pettersson [Ano65e, Ano65f]. PFT [TSL10]. pH

[CVBG21, Rot65, SSTL16]. Phaeocystis [SDL+19]. phase

[GRS08, HHSR07, IIS+17, MP04, WP91, MRMD+07, NF87].

phaseiliformis [AB90]. phases [Kil76]. phasic [RNBP+19]. Phellactis

[vPRT90]. Phenological [WBF+21]. Phenology [MI21, MCKS17, 
AHV+15, CAT+08, DAIS10, KPSB22, LMA+15, MGE+12, THP21].

phenols [SMN+14]. phenomena [ANMP15, Mit83]. phenomenon [RV17].

phenoregion [KPSB22]. phenotypic [ACK+13]. Pheronema

[RTN90, VB3+20]. Philiudae [CES+19]. Philippine [LdQ+22]. Phoeca

[LAP10, RNL+13]. Phocoena [RPRCAG+21]. Phosichthyidae [CSM+15].

phospatase [IPG+16, SAM+04]. phosphate

[CKT+13, LCR+93, MHGS19, NN+21]. Phosphorus [DBRK17, PKV18, 
HSK+19, IPG+16, KEV10, McC64, PDD+22, RDD+18, SAM+04, VBA+18].

photic [TR99]. Photoadaptation [SPH3]. photographically [BBMR19].

photographs [DHB+21]. Photoheterotrophy [EGPM+15].

photophysiology [FDE+22]. Photoreactivity [BFJ18]. photosynthesis

[BK19, Epp92, KPSA17, Mor91, SPH83, TST+17, TLM+17].

Photosynthetic [NHG19, HHMB+09, LCB18]. phthalate [PAG+18].

phytocytins [MPTMK22]. phyllosoma [WOW+14]. phylogenetic

[GMB12]. phylogenetics [HCV+20]. phylogeny [MSFZ19].

phylogeography [MMN12, YTL+19]. Physical

[ACE+07, BP02, CMF15, FDE+22, Gou85, HVRR15, HFPS+06, KAK+22b, 
RB+07, SOS+07, SCD+07, TNS+05, USH15b, WC15, BBE+15, BC91, 
BH+15, BKC15, BL02, BHHS83, CBC+06, CW06, CM11, CFM+08, 
CAB+99, DRVCM+22, DPM+09, DMBHG10, DMF+09, FF83, HKPV12, 
Hat05, ILA21, JHM+22, LBSP01, LHC+19, MMGL+07, MHS+20a, 
MHS+20b, MJA+07, NM17, NMY+14, NYH+22, O'B83, OEL+14, PIS13, 
PMA+14, PKP14, PMC16, PFHM10, REG+15, RBHLA04, RA15, 
RCSW22, SWP+13a, SFX+99, SRAV19, SW22, SNMW10, SDJ14, TAO05, 
TCF+18, VOJ302a, XCI14, ZHD+20, ZDM+20]. physical-biological

[DRVCM+22]. physically [CB+05]. physicochemical [CEF+13]. Physics 

[HAA+14, BDT+08, OELP04, PCK+06, SSI13]. physiognomies [HFO90].

physiological [GNH19]. physiologically [BEP02, MAU10]. physiology

[BLP+20, LBP+21, MLB+20, RS10, ST03]. phyto [GRLS14]. phyto-

gene [GRLS14]. phytodetritus

[BMNW01, NKK03, TAW+15, Tur15, ZCLS+20, dWDB+98]. phytopigments
Phytoplankton

[FPD+01, WDK+01]. Phytoplankton

[ALC22, CRGA17, CKM+21, DGP+13, HBL+13, JHM+22, LBH+21, Mar03, MIW91, MA12, PWMIM91, RHM+19, VH+12, Ven12, ZLG17a, ZLG17b, ZLX+20, AJA+22, AW13, AMG+16, AJHC19, BSC+19, BDP+06, BFPS06, BE99, BTS+15b, BGMP03, BPGD+14, BLMR+20, CKB+17, CMC+16, CSS+21, CBM+21, CRPS+15, CBTO7, CTI+19, Dag93, DAV+20, DN07, DLM+12, DNNN16, DLC+08, ERBV21, FHP83, FEGA+14, Fly03, FPY+16, FDE+22, GBC+00, GrRGC+14, GHL15, GSPMA+99, GF19, GBR+19, HBR+99, HCAF+20, HVL+20, HPPL+05, BBH+17, IYY+10, JX18, KTH+21, KMMC+99, KPSB+22, LMS93, LOG+09, LSN+22, LHP+05, LMT+19, LLX+21, MHHGS91, MCKS17, MCR+12, NEI+22, NGV12, NKH+05, ObD+20, PFHM16, PVM+20, PV07, PPS7, PPD+12, RM93, RSMIS+03, RBPGJ+20, RPSC+22, ISIS+02, STW+15, SWPH21, SLS+05, TST+17, TLM+17, TSF+22, TRMV15, VNM+08]. phytoplankton

[VBM21, VMC+19, WFI+22, Wal83, WCC+20, WLM+13, WSH+22, XWL+18, ZWM+15, ZHD+20, ZJZ+21]. phytoplanktonic

[BFJ18, PICLCG07]. PICES [BK08, HMWM00]. PICES/GLOBEC [BK08]. pico

[pico- [DDP+00]. picophytoplankton [CLX+20, PBD+88]. Picophytoplankton

[ZSLB00, BAM+09, TB15, WSC+21]. picture [MVV+19].

pie [RSB+13]. piece [KVNT20, VBA+18]. Pierre [BMG+21b]. Pigment

[MKM+89, GBC+00, LSN+22, SLS+05]. pigmented [FEG+14].

pigments [CMC+16, DN07]. PII [SDS+22a].  

Pink [BGC+18, CCHV+21, SNV+18]. pilot [HPB+09]. Pink [KB+08, Kli10].

Piscicolidae [UKK+19]. piscivorous [EBK06]. pit

[BBR+01, HBD+21, HCV+20, IBW+01, VSC01, VPW01, CES+19, SSKS19, BDK+20, BSS+04, RBL90, VDP+01, WDK+01]. plains [BHB+19]. planet

[BAK83]. planktivorous [RG94, dSDDS+20]. Plankton

[AFBT+22, BPA+21, BGMP03, BDE03, FGGDF+04, GMDD+22b, Hau84, Hof19, HFK03, JS03, LJPGC02, MG+18, Peñ03b, ABT+04, AUE+14, BTVK13, BAOC+09, CDH+13, CWB+22, CNT03, Col69, CFML22, CNST15, FWH+17, Fra69, Fro93, FDM+13, FG16, GMAGH+17, GMDD+22a, GCD+13, HPP+09, IVT+12, JSH90, KZD+19, LGK+93, LLGS21, Lon53, LB89, MSH19, Moh15, MPCI12, MCT03, OMR+22, PVC+08, PFT12, PRC16, RMC+15, RWJ+06, SLH13, SFT+13, SPSV+20, SS17, TSAM+22, TSL10, TS10, TSBS18, VDDA+08, VR03, WMWR08, WH94, Wpr05, WPB05, dB94].

Planktonic [CQZ+18, GRS+22, HNL14, NLY+17, TCF+18, AME07, AAM+14, ABSDC07, AT07, AHW+15, Bri79, Den03, FTG+11, GMBU12, GGI+10, GHC+17, JE92, MYN+15, MPM+18, MCR07, MCF+12, MGH+07, Par65, PAPL15, Peñ03a, RAG+19, SBMB+18, SSS+12, SIJ+03, SDJ14, SPB+93, TF03, UB10, WIL65, Ang84]. planning [LRG+18]. Plans

Pleistocene [Ban65, BW65, Don65, Emi65, MBP65, Sel65, ST65, Wi65].
plenary [Sie88]. Pleuromamma [HTG15]. Pleuroncodes
[GRB+08, YCP+12]. Pliocene [BW65, GWGR+19, MBP65, Sel65].
plumchrus [MBF+84, FMT15, LGK+93, Mil88]. plume
[EKB06, HW02, HLS+14b, JX18, Wen88, MSD+16]. plumes
[DJW+18, MSd+16, SLM+16, WF17]. plutonium [HKY+11]. Plymouth
[USH15b]. POC [LCGH07, LHC+19]. POEM [MRMD+97, OHU89].
POEM-Phase [MRMD+97]. point [CNBD21, DW02, FWO15]. poisoning
[CAH+22]. polaires [Rou65]. Polar [MHA+11, Rud15, BRD+15, BF11, BGL+17, GCD97, HDA+16, KTH+21, KSG+17, Rud65, Rud89, SHB+14, VMH+21, WMB+21, WBA+22, NBR+08, STC10]. Polcevera
[CLD22, DSC+19, GBB+20]. Pole [SLGI+21]. poleward [Kos02, SDGVE17]. Policy
[HSC09, SS+20b, Val99a, Val99b]. pollen [GGE+65, YSY+19].
Pollock [PDAM+15, BCB+05, GTS+21, MLPN06, YNM+02]. pollutants
[LB14, PAF+11]. pollution [CC88]. polychaete
[JP90, LMPB+16, VCSG+01]. polycyclic [FTG+18, SGL+17]. Polycystina
[BC16]. polymetallic [BJM19, BJMP20]. polymorphism [Sma10a].
Polynya [SDL+19, THM+06, BvdLA+11, Hol00, YLL19, HFO+22].
polyunsaturated [KO19, WPB+08, WL16]. polyxysta [LDAM+07].
population [CC88]. polytaxa [JP90]. pool [GTS+21, HHH+00]. pools [ELW06]. poor
[GAS+22]. Population [KSKN21, LS12, AH10, BCGN+18, BAP+22, BB10, DBM17, FRCH15, GGA+16, HMP+13, JLP+20a, JLP+20b, LMS10, LSS+10, LAHI10, MAH+15, Mau10, Reb02, RA15, SIR+07, SSL08, SBFP21, STS+12, SDH+14, SAB+21, SDJ10, UB10, WBF+21]. populations
[ABSDC07, AP+21, ALT10, Bak01, Bak06, BBD+11, BCT+09, BEP02, CNSHT15, GRLS14, GPC+03, HRS08, HFW+98, hHRW+05, KQP+17, LSM08, Mau17, MM90, PRTC13, PCR+22, YAK+08]. Porcupine
[VPW01, BBR+01, BDK+20, BGS+04, HBD+21, HCV+20, IBW+01, RTN90, VSC01, VDP+01, VBJ+20, WKD+01]. pore [KGS+08, PRL+18, Wil65].
porewater [SSTL16]. porpoises [JHW+14, NHE+13]. portion [MG02].
Portland [MB07, B07]. Portugal
[ASFP+03, EAL+07, JGO+98, KGdS+08, MLS+15]. Portuguese
[AJV+02, OVR+02, VOJD02a, VOJD02b]. POSEIDON [DEW+97].
position [GWM+22, HLTB+17]. positive [BBD+11, HHSR07]. possibility
[SW65]. Possible [AB90, IIS+17, Ber65a, Car98, CS03, Co065, Cra09, CS04, KMF+20a, KMF+20b, RTN90, RVS+21, SNZ+20, SA97, TKW10]. possibly
[ZBY+22]. Post [OTNI20, DCL+13b, WMWR08]. post-glacial [DCL+13b].
Post-spring-bloom [OTNI20]. posts [PMG15]. Potential
[DVB+18, HSC+16, LRW+15, MLK+09, MMF+12, YWUK15, BM07, CPO+19, DRVMC+22, FH95, Fei03, Fei04, GGT+15, GQG07, GCG+14, HWLT10, HSN+18, JLRB20, JSLA+21, KV13, LYS+22, LFP+18, MNN+15, McD88, MDR20, RAJSB+22, RDP+21, Sak86, SJD10, SPB93, TLM+17, WAH+20, ZCA21]. potentially [VBJ+20]. poutassou [MAFS+22]. power
[YYhT+17]. pp [Ang79a, Ang80, Hof81]. Pre
[OMS⁺09, CMS⁺13, PCSMC12]. Pre-conditions [OMS⁺09].
pre-recruitment [CMS⁺13, PCSMC12]. precipitation [MJWK07].
precision [TIOM16]. precursor [STW⁺15]. predation
[AHSS22, AIA⁺15, DWFP⁺19, HSL06, OMR⁺22, TS10, WBC⁺22].
Predator [PTF10, PTF12, AGD⁺18, AUE⁺14, Bak06, DAF⁺22a, DAF⁺22b,
GPEV20, KM10, LAD⁺18, LMP22, NBLI20, STEB16, SDO⁺14, SIB⁺06].
predator-driven [SDO⁺14]. Predators [LM10, Mau10, AHP⁺19, DYO⁺10,
GCC⁺14, HF10, Jac10, LMS10, SFS⁺12, SSL08, TSS⁺12]. predatory
[SCS⁺18]. predict [QZC⁺15, SWP⁺13a]. Predictability
[BBL⁺18, JAS⁺20, OLH⁺18, TBS⁺19, WPB05]. predictable
[KCPM09, STC10]. Predicting
[CLB⁺13, LRGV⁺18, MCD⁺14, MDB⁺20, SAY⁺16, RSMIS03, VSPP14].
Prediction [Ste12, FY88, HSS⁺12, HKK12, JAS⁺20, NHS⁺14, PBH⁺10,
RL58, SPV⁺15, VBL⁺09, VVV21]. predictions [GRLS14]. Predictive
[BFP⁺18, BMGN15, PRC⁺20, PYKF15]. predictor [LPARF⁺20]. Preface
[An003g, CH07a, RW97, Sea63, SGPD18, Wyr06, SKHD84, War73].
preference [CdD⁺15]. preferences [ARD⁺03, LAD⁺18, LSIC12].
preferred [RVC⁺13]. prehistoric [DVL⁺99]. Preindustrial
[ZCD08, LWH⁺20]. prejudice [MRH⁺18]. Preliminary
[LSS⁺10, ZHSM14, Ken88, WO85]. prerecruit [LSS⁺01]. Presence
[LAP10, ANMP15, BPSN⁺21, CSLJ03, SPW⁺22]. Present
[DJG⁺02, BCD⁺20, Cai95, CBGC⁺08, KKK04a, NW87, SBB⁺14].
present-day [Cai95]. Preservation [SLG⁺12, LvIKB07]. Press
[Ang79a, Ang80, Ang88, Bak83, Hof81, SW81]. pressure [BF01, ERT⁺22,
FWL⁺15, HWB⁺18, KSK21, LM00, LGZ⁺20, RGP⁺18, SV97, ZZPL18].
pressure-recording [ZZPL18]. pressures [BVJ919, KSE⁺09]. prevailing
[TZP⁺00]. previous [Ano65c, Ano65d, Ano69b, Ano73b, Ano85c, Ano86a,
Ano87a, Ano89a, Ano92a]. Prey
[HWL⁺20, SRT⁺18, AGD⁺18, AUE⁺14, BFB⁺20, BJ90, CCHV⁺21, Cra09,
DRVMC⁺22, DAF⁺22a, DAF⁺22b, GCG⁺14, HBG⁺21, HF10, LOBG⁺10,
LPF⁺18, LRJ⁺15, PTF10, PTF12, WVD14, YGL⁺10]. prey-predator
[DAF⁺22a, DAF⁺22b]. prey-switching [WVD14]. prey/predator
[AUE⁺14]. Priceless [PG10]. prices [PG10]. pride [MRH⁺18]. Primary
[CCB⁺20, FFA09, IVT⁺12, JRW01, KNI⁺05, MB05, PMK⁺06, PS08, PT00,
SMM⁺90, WFH⁺22, WSG⁺93, AxD15, BBE⁺15, BTS⁺15b, BCOL⁺19,
BTJ⁺17, CKT⁺13, DAV⁺21, Den09, FEGA⁺14, GSPMA99, GF19,
HMO⁺13, HSC⁺16, JTD⁺14, JIL⁺19, KFKO03, KLB⁺21, KMS08, LSH⁺11,
MBL⁺11, MOS⁺13, MC15, MSL⁺07, PAM⁺88, STS⁺12, SR15, SEW⁺11,
TBS⁺19, TLM⁺17, TAM⁺15, VEM⁺21, WFS⁺15, XL20, ZGZ19, vRGW10].
primer [Gar03]. Principal [YKWF21, KDF97]. principles [LMA⁺15].
prior [FGGDF⁺04, Rud15, SSM⁺90b, TSFA22]. priorities
[FDH20, HSH⁺19]. priority [JAS⁺20]. prism [JFG⁺90, OSH⁺96]. pristine
[GHL15, MPN09]. pro [CFC⁺18]. pro-delta [CFC⁺18]. probabilistic
[AHC⁺13]. probability [HLP⁺16]. probe [SPH⁺15]. problem
problems

procedures [RAB+84]. process

process-oriented [VMN08]. Processes

production KTH, Fro93, GBC+15, GEGA, GLS08, HGBG20, HKE+10, HPNDC15, Hut95, IGG+19, JGS90, KSK+15, KNS+03, Kit03, KZD+19, LCB18, LGR+02, LC22, LHC+19, LFAP+13, MLL+22, MHS+20a, MHS+20b, MVN+15, MKM93, MIH06, ML09, MJA+07, NGLS914, NMY+14, NNO+14, OOTA15, ORB+18, PKP14, QCdS+07, RKS01, RGC+01, RLDC+13, RG105, RBHLA04, RAG+19, Rud15, SOS+07, SRAV19, SW22, SSM90a, Sok03, SØF94b, Tho95, TCL+15, USH15b, VPW01, VPH+12, WMBK05, WH89, XC14, XCH+16, YAI+14, YFY+22, vWMH98, vWM02a. processing [BCLD+17, ZCLS20]. Prochlorococcus [RA15], prodelta [PRL+18]. produced [KSG+17, KMWFI11]. producers [LSH+11]. product [STW+15].

Production

production [WFS+15, XL+20, YMA+17, YHRT22, YHM+18, ZGZ19, ZHD+20]. production/export [HGH+19]. Productive

productivity [MIN+20, CSS+21, CHC+12, DMC+18, LHP+05]. Productivity

production/export [HGH+19]. Productive

product [LSH+11].
programmes [HM15, OELP04]. programs [HMKF08]. Progress
[Ano94c, BLAM00, CGL+20, Fei04, HHW22, Kru19, LGH+21, OEL+14,
RLSF07, RG03a, SDS22a, SHC+07, VHK04, CAT+08, vdS94b, WR03].

progression [STW+15]. Progressive [RMC+15]. Project
[WSG+93, APSC11, BN03, Kit03, SGPdM18, TP00, VBL+21, VYGM21,
vAB96, BC99, Dri11, DF13, NF87]. Projected [WO15, SJD10]. Projecting
[CBOP15, TNGP22]. projections [TLH+15, TLP+16]. projects [SPK+19].

prokaryote [CQZ+18, LQU07]. prokaryotes [GLAHH+22, RCC+18].
prokaryotic [CRC+19, GASV+09, ORMR+19, RPG+18]. promotes
[WCC+20]. promoting [ZJZ+21]. promotion [KSC10]. pronounced
[RS10]. propagating [UKM+14]. Propagation
[KAG+19, ZKT88, His22, Oll15, RKS01]. Proper [Sud86]. Properties
[BNCC15, Kat18, AGS10, BDB+04, BCR+13, CTMV+14, CR20, GCS91,
HGD22, JSKM02, KF11, KMU+12, LF12, LC10, McD81a, MCV+11, Mit91,
NF06, NBLI20, NIF+15, ORMR+19, RLST12, SW92, SRG+19, TII+14,
TTL+04, WMB+18, WST+16, YNM+02]. property [GJ00, HHMB+09, McK08].

proposed [WGCS13]. Prospects [CSS+19, ALG+21]. protected
[JSLA+21]. protection [BDE03]. proteins [YT06]. protist
[CQZ+18, GRdSS+22, ZPC+16]. Protista [BC16]. protobranch [AS96].
Protozoa [Gif93, Mae88, TSFA22]. protozooplankton [SSV+11].

provenance [GGE+65, PGT+13, YSY+19]. provide [GBT+19]. provides
[EB08]. Province [CLG+22, SQJ+17, MPTMK22]. provinces
[HR+10, LJ+16, MRW+14, SW21]. provisioning [KGJ+10]. proxies
[CLV+19, MDL+12]. proxy [FPJ+15, GEP15, SOH21]. Pseudo [VSP14].
Pseudo-nitzschia [VSP14]. Pseudocalanus
[MLPL05, LPHL+05a, PLHLF05]. Pseudoicedella [GS19].
Pseudostichopus [RMB+01]. Pseudotanaidae [JPB20]. PSP [CAH+22].
Psychropotes [GKR20, RMB+01]. Psychropotidae [GKR20]. pteropod
[MLB+20]. Pteropods [BHK+16, HPH+08, KCBS20, LS13, BGWP+17]. Pu
[ GPA+11]. publication [Ano13h, Ano13i, Ano13j, Ano13k, Ano14a, Ano14b,
Ano14c, Ano14d, Ano14e, Ano14f, Ano14g, Ano14h, Ano14i, Ano14j, Ano14k,
Ano15a, Ano15b, Ano15c, Ano15d, Ano15e, Ano15f, Ano15g, Ano15h, Ano15i,
Ano15j, Ano15k, Ano16a, Ano16b, Ano16c, Ano16d, Ano16e, Ano16f,
Ano16g, Ano16h, Ano16i, Ano17a, Ano17b, Ano17c, Ano17d]. Publisher
[Ano07s, Ano08x, Ano19o]. Publisher's [Ano03i, Ano03h]. Puffinus
[SSB14]. Puget [CSS+21, SKGS20]. Pulley [KAK+22b]. pump
[CLCB19, GDI+09, HMF08, HKE+10, HA+22, LRW+15, LH89, RGI05,
RGE22, Tur15, SHK+14]. pumping [HZCZ16, HNR+17]. purposeful
[HHP06]. Puyuhuapi [SPSR+14]. pycnocline [SASH08]. pyramid
[XYK+22]. pyrenees [Bou65]. Pyrosoma [OB+20].

quadrangularis [PRA+18]. qualitative [WHBW03]. quality [BMG+21b,
CLSP17, CLSD18, KS06, LSH+11, MFDH22, NRA+21, SJJ+03, ZD17].
recruit [IFC+07]. Recruitment [BCB+05, CGV13b, SEG+22b, VPH+12, ZK06, BGL+17, CDTM+21, CMS+13, FARRL+13, GSM+17, GEPC15, HMRB+03, HLS+14a, HCGK11, KKKY10, MHTG10, MHS+09, MKSvA+22, MAFS+22, NGPH10, OACB+15, OAWAN18, PCSMC12, RKC+10, Tit20, TIOM16, VCSG+01, WH+02, XRC+15, ZL01]. recruits [OACB+15].

rectified [YYhT+17]. recurrence [ATS01]. Recurrent [VKT15].


Reef [BMM97, CPPPEAG+22, CLG+22, CKL+14, NYL+17, ROBRB+22, VGJ+19]. refeed [RLP+18]. reefs [FSAO22, KAK+22b, MP04, WFJ+15, WLP+21].


Regime [AN04, BHAJ12, CRS04, CS04, RS04, Ste04, WZ04, ANH21, Bea04, BDC+08, CAT+08, CHB02, Dri06, FC07, FAH+13, FPS+13, HM00a, HMWM00,INI+17, KIR+003, KJZ+12, KRG+03, Law04, LM14, LHF+16, Man04, MS00, MFY+06, ORMB08, PM13, Qin15, SvN04, SKH00, SKT01, TOKLC08, TKW06, TKWI08, VBL04, WXH07, YTNK00, ZKO00, dHA+04].

Regime-shifts [BHAJ12]. Regimes [BBSN04, AHHB+07, BDTC+15, FJ+21, HSK+19, LdS+15, MB01, Pow06].

Region [INI+17, Ang79b, BHA+14, BAT+98, Ber65b, BB14, BHAJ12, CLV+19, CGMP14, Dav85, DL69, DIQJ+21, FPIJ85, GMAMB04, GDSCU09, HSMLD+22, HE+07, hHRW+05, IMM+22, iYIO+10, LJPFC+02, LMC+20, LSW02, MPV12, MSA+22, MTK+22, NNM+21, OTN+20, PMC+21, PHC+19, RC+22, SG+16, ST03, SOB+16, SDGVE+17, SGMP15, SBH+14, SJM+19, TKSI08, TKW06, VV+21, WBD+15, ZHD+20, ZHBBW01, FMC+15].

Regionalisation [AIA+18]. Regions [ALV+21, AP20, BEP02, BBL+18, BBRM20, DMF+09, DB+17, ESTM13, FYYC+05, Lax09, MKOLA20, O’B83, RGB+17, ROP+19, Scholarship, VAC+21, WMC+19, WWL+19].

regularities [PMA+14]. regularly [No+96]. regulate [Mau17]. Regulating [NF87, Fro93]. regulation [BM01, HBL+13, HCGK11, KSC10, MC15, OWR+07, Tit20]. regulators [Law04]. related [AQV+10, AHRT90, BLES16, CMF+09, CW02, CP02, FTC+16, GSV+01, GdRL+16, IPG+16, Mit83, MR03, Nag01, OELP04,
PCH08a, Pir87, RR01, SSTL16, UAM05, WXH07. relatedness [BLES16]. relates [LLAPG+22]. Relating [DBR03, HMRB+03, Bri79, Leg91].

Relation [MNT14, ARG11, AE09, BC0L+19, BGB+08, BDBJ01, BMG+19, BDC+08, DDF+95, FMH02, HPC+20, HGD22, HHY03, KON14, MIW01, NMLBCM+01, NM17, PC87, PD15, PLHFL05, RBPGJ+20, STC10, SSKS06, TZP+00, YSS14, YN03a]. relations [Don94, HFW+98]. Relationship [EEK06, SCB+09, WLKM10, YFK21, BCGN+18, CPG08, DBC+18, hHCK01, IL20, LSF+17, MSC+15, RD03, SAM+04, Sel65, SBF+08, ZHBB01].

Relationships [MM90, PCC+19, RFFL21, DTD00, EH0G+12, JJA+08, LOG+09, LOBO+10, MHGT10, MDAW+19, PPMM18, PGGG17, Wai21, WZFW16, ZL01].


Remarks [Koc65a, OE65, SCLS10, Car97b, GM19, Kam19, Ola65b]. remediate [GGT+15]. remineralisation [BHHR15]. remineralization [FCMCS+19, SLOP+22]. remineralized [PRL+18]. remobilization [PPSVC+13]. Remote [GEP+08, SMGL01, ARD+03, BBE+15, BPGD+14, BGR+15, BTJ+17, KY14, KPSB17, KC02, McK15, iSIS02, Tho87, WMB+18].

remote-sensing [Mck15]. Remotely [UKM+14, CTMV+14, HMO+13, XLX+20]. remotely-sensed [CTMV+14].


representing [GLH13]. Reprint [DAF+22b, PBB+12b]. reproducibility [SGM+18]. Reproduction [HLPL05, IMLH07, vPRT90, BFB+20, DWF+19, HGGB20, PMH17, PCH08a, SIB+06, WPB+08]. Reproductive [FARR+13, PHLL05, BWMCGB08, BCL+09, CAM06, HWBT03, LS12, Nie07, SSO3, SHT+01, YFY+22]. requirements [BMG13].

[CWS+21, PHKS01, Ric01, SKT01, TSH+17, ZLKO00, ZLS+04, SAB+22].

respiration [AE09, GMAGH+17, GMDD+22b, GMDD+22a, HLCdP19, PG13, YHL+04, ZKK+16]. respiratory [AGL+15]. Responding [JHB+20].

Response [BBB+14, CPC+15, HVRR15, LFI+13, ANMP15, ABD+17, AC85, BVJE19, BSW86, BDE03, CGC+20, CMHM18, CAB+99, DDD+99, DMD+00, ESA+13, GCCY+14, GEP+08, iHRM+15, JHM+22, KJZ+12, LJPGC02, Let87, LO21, LH08, MMES16, MOSN+13, MH14, MPC12, Peño3a, SSM+22, RCC+18, RK+07, RN02, SDD+22, SFMT12, Sch83, SS17, VWDF14, WH+02, WDK+01]. Responses

[FB05, QLW10, RK3+0a, SSH+05, SHS+05, TKK+05, gWJNLyD20, YAK13, AJA+22, AFBT+22, BTS22, BAP+22, CNBD21, DFC+21, DCL+13a, EHFD12, FMM+20, FDB+21, Fro05, FYYC05, GPC+03, HGB+21, HWF+21, JSA+08, JYK+14, LG22, MCB+10, MBD+09, PCR+22, dSSDS+20, SSW+09, TAW+15, TSN05, VSGD21, YAK+08, YYK+12, dMGS+11b, dMGS+11a].

result [KCPM09]. resulting [NP00, VTGC19]. Results

[AUE+14, BBM+14, CGZ+16, FRK+09, HH+06, LFCYS+13, LGG18, MGF+13, RDL+91, RF17, SWP+13b, ABM+05, ABMÁS14, ABMÁS15, CCM+13, CMG15, GAM9+8a, GA00, HNL14, JLS+22, Kаг97, KNS+03, KY14, MR03, W05, NCH+07, ÔHÜ89, SGLF+13]. resuspension

[KYT+16, VSC01]. retention

[BE02, CL+14, MMB10, MCCM+17, RK15, RW0A01, YCP+12]. retentive [SMR+20]. Rethinking [CLSP17]. retreat [MOSN+13, WC15]. retrieving [WMB+18]. Retrospective [CHB02, CAT+08, PZA+15].

retroversa [MLB+20]. returning [CCS+21]. reveal

[BD18, CNBD21, DOS+18, GIC20, HLP+16, HCV+20, OMK+22, SGF+19, SDO+14, TSAM+22, VGJ+19]. revealed [BLP+20, BDL08, BMC+10, FFT+18, HLK13, HFO+22, HHZ+22, JM19, LSM+22, MFM+17, PHD+18, SCH+06, SCH+07, TM13, TMH+16, VOT+99, WST+21, XLX+20, YAT+14].

reveals [AGD+18, MFH22, MDR20, MJ+17, SRT+18, VMB+22a].

reversal [Em15, gWJNLyD20]. Review

[AMFY20, Ang79a, Ang80, Ang88, Bak83, BH+19, Dri11, Ho81, LCANAS+07, MR03, SW81, AALM06, Arb22, ACHSH08, BPF06, BRD+15, BPGD+14, CTL+04, Cow05, DBP06, DMF+19, FALF1, FTO6, FL06, FK99, Grl22, GC14, Ig04, Kes06, KDB95, KPSB17, Kun03, LR07, LRMK99, LFA+06, LCB18, LNB13, LB14, Man04, MPMA16, McK15, MNM06, MHH+15, MB07, NXY15, POS+07, PMK+06, RBF+09, RHML09, Sm81, SP+42a, Sol00, TDH+95, VH09a, VH09b, WF06, WF07, WBA+22, WLL06].

Reviewer [Aano08]. Revised [MC8]. revisited

[BMM01, For93, HLP+16, HNL14]. Revisiting [CCS+12, EB08, ORCH+19].

Revisits [KMW1F1]. reworking [SvWRvB02]. Rhône

[CFC+18, MBdM+18]. Rhone [PAG+18, PRL+18, SCCJ+18]. Ria

[BLT+15]. rias [VSPP14]. Rica [SDS+22b]. Rice [Bil01]. rich

[GI9, SRT+18, TRLA+13]. richness

[BJMP19, BJMP20, JM19, JPBB20, MB20]. Ricker [McK08]. Ridge
River-dominated [ZDG, SSM90a, SMM

[RCB, MCGS, Gam14]. Rn

SBBV04, SDS

[CDT, SBBV04, SDS, CdTH, Nof96, PM22]. Rio [FBT+22]. RiOMar [XLX+20]. Rise

[BDL08, CGC+20, EB08, GRB+08, PCSMC12, SAY+16, YPGE+10]. rings

[No96, PM22]. Rio [FBT+22]. RiOMar [XLX+20]. Rise

[BDL08, FBT+22, Har05a, BHE+98, HHWW20, Let87, MVS08, NF87, Tho87, HKE+10]. risk [KFC+13, MCL+15]. Risso [SCB+09]. River

[BJ90, Ham90, JS90, JSHB90, LSV14, LZG20, LDMH09, SJH+90, SC90, SSM90a, SMM+90, WL16, ZLR+07, ZDG+21, AJHC19, CPPP

EGG22, HVR15, HW02, HLS+14b, IVT+12, LCJ+17, Pra04, SL+16, WF17, XLL+20, EK06, FMWW14, GdRGC+14, Ken88, LYZ16, MeC08, MI21,

MSd+16, PAG+18, PRL+18, SMN+14, SCCR+18, SSM+90b,seo13, YAI+14]. River-dominated [ZDG+21, XLL+20]. river-influenced [IVT+12].


rochei [KTIT22]. rock [LDAM+07, WOW+14]. Rockall [GD85]. rockwalls [CHG+18]. rocky [BBW+09, Con87, FSAO22, WLP+21]. ROFI

[MBdM+18]. Roland [JW01b, vWM02b]. Role

[CPG+18, FK86, JJL+19, SRAV19, AFBT+22, ABC+99, AHW+15, Ber65a, CRT+22, CNSHT15, DP18, DTK+15, FRCH15, GCG+14, GCD+99,

HZCZ16, HGH+19, Hut95, IAN13, KTY+16, KSC10, LDHW20, Mar03, MTC14, NJCD01, OOTA15, OKdA+19, PHK+17, RBE+12, SGF+19, SBD01,

SSBV04, SDS+22b, TCN20, TSAM+22, TR99, TWAL+11, TSH+17, TCF+18, TCL+15, Val99b, VMN08, VMC+19, WSS15, YS15, Yos80]. Roles

[NNM+21, EBM+20, KST03, NCC+15, SIK+88]. ROMS

[MAB+11c, MAB+11a, MAB+11b, NDEG22, ZCH+17]. ROMS-CoSiNE

[ZCH+17]. ropes [IST+88]. rose [SCB+09]. Ross

[PHC+19, SK18, SAT+22, ZPC+16]. Rossby

[ABS+20, CSLJ03, Ham09, Tho77]. rotating [Sak86]. rotation [CR97]. round [LFCSV+13, LPARF+20, MGF+13, Woo18]. route [TSL10]. rule

[JPM+08]. rule-based [JPM+08]. Run [KAH+16]. runoff

[HVR15, SGO+08]. Russian [Ang79a, EBD+20, Mar20, OT19]. Ryukyu

[KKKS14, TMH+16].

S [Ang80, Dea85, PSP+21, APHGC+22, BHC+18, BM07, CPNL07, CFG07, CF12, EM12, FC07, GMAGH+17, GBC+00, GMAB07, GCD+13, HGT16,

HGT+19, HYM+12, JTD+14, MBKS08, MSL+07, MLD+12, MSV+14, MCGS+16, PMA+14, QOS+22, RBL+19, RKFD07, SLG+12, SJM+19,


[SDS22a]. Saanich [TSC03]. sablefish [KMB01]. sac [SMPC+12]. SADCP

[CDG+22]. Sado [JGO+98]. safe [SGL+18]. saffron [VMH+21]. Sagami

[KFK003, KKS+03, KNS+03, Kit03, MLD+03, NMK+03, NKK03, NNM08, SMN+13, SS03, SOh03, TMN+12]. sagax

[ANH21, BLAM98, BLAM00, DMM08, Leg91, USH15a, AR18, ATS01, APP21, Cox63, CB07, Don94, ED82, FM07, Ham90, HHSR07, KC15, KSK21, Lav09, LSXT01, Mid09, MKS+22, MJWK07, NRA17, RCD+94, RKFD07, RG09, SDGVE17, SMK21, SD07, Tom81b, UKM+14, VYGM+17, Yao88]. salinity-depth [ED82]. Salish [NHE+13, RNL+13]. Salmon [DIQJ21, AHC+13, BM01, BL02, CCM+21, FMM+20, IOGS13, IHY+01, IAFD02, KBF+08, Kli10, McK08, MI21, SF02, SKS06, Wai21, YWUK15]. salmonids [EK806]. Salpa [GBH+20, LS12]. salps [IMM+22]. salt [EMK+17, Kun03, Sch03, SAH+21, YN03b]. salt-finger [YN03b]. salt-finger [Kun03]. salty [War06]. sampler [SPH+15b]. samplers [Hop64]. samples [LB20, Sot03, TCL20]. Sampling

[WH94, BCF+03, JJS03, JPBB20, LPA+11, MGF+13, MSA+22, Mol04, Reb02, RAB+84, SFAD+90, SWP+13b, SVIA14, TIO16, VLUC+07, WZBK+21]. sampling-gear [Reb02]. San [Hi92, WJE+92, Gor92]. sand [LTSG13, RHBS13, SSt03]. sand-bank [LTSG13]. sand-transport [SSt03]. sandbank [PC87]. Sandy [LC22]. Santa [AHW99, CJ92, Gor92, Hic92, LPA92, SPB+02, SE92, VK92, WRS+92, WJE+92]. santolla [BMN19]. SAR [VOT+99]. Sardina [BCGN+18, CCHV+21, SNV+18]. Sardine [BSC+07, SNV+18, BCT+09, BCGN+18, CCHV+21, CCM+14, DBR03, DPGC14, EBvdl+09, FELMGM+22, FRCH15, GSM+17, GCD+18, HMRB+03, HSL+14a, KYS+17, LLS01, NMLBCM+01, ORPRG122, Qiu15, RFC+15, SGWF+19, SYB+15, SGB+08, TKLC08, VOG+08, VDB+20, YPGE+10]. sardinella [LAPRF+20, DPGC14, SNR+10, TCF+18]. sardines [APC+12, MB01]. Sardinops

[DBR03, EBvdl+09, FELMGM+22, NMLBCM+01, ORPRG122, YPGE+10]. Sargasso [PPYW18]. Sargassum [JLP+20a, JLP+20b, PGG+22]. Sarmatian [Gal17]. Sars [GS19]. satellite [iSIS02]. Satellite

[HSS+12, SL+16, SW12, AK97, CED09, CSS+19, FGR+06, GdRGL+01, GA00, HSLDC+22, HMRB+03, HMHRB+03, KBSB18, LCL6, LW13, LLX+21, MBdM+18, MVC+11, OMS+09, OP18, OAT+05, PLK14, RRS03, RBS+09, SLH+19, S97, TBS+19, TM13, Tho87, VMS91, WCX+21, WLM07, WFS+15, WZC00, ZD17]. Satellite-based [HSS+12]. satellite-derived [HMRB+03, LLX+21, PLK14, SLH+19, ZD17]. Satellite-measured [SLM+16]. satellite-tracked [LC16]. satellites [KY14]. saury [OOTA15, XYL+22]. SBE [KSK21]. scale [AGD+18, ASB+08, BMK12, BGM03, BRR+12, CNT+19, CMM+04, CTF07, CGC+20, CSS+19, CS03, CSC+12, CCS+21, CNBD21, DRVMC+22, DIM09, DIQJ21, DTKbH15, FBB+21, GRLS14, GBC+00, GBC+16].
Sea [Dem09, DLD02, Kra82, MCD11, HMP15, LCB18, LMI13, LSB17, LSD18, LBP15, LL12, MCB90, MSA+22, MZGA+20, MJA+07, MCH12, NGLSSG14, NBL20, OPL+21, PZA+15, RFL21, RM89, RÅŠG+13, RPSC22, SGWF+19, STEB16, SWF+13a, SSL08, SKSK06, SH09, SLPA20, SDJ14, SJ02c, SJ02b, SMP07, TG05, UB10, VOG+08, VMB+22b, WCG+21, Whi95, YSY+19, YBPS08].

scales [BMO12, BMGN15, BGB+08, BBL+18, CMF11, EM12, FSVL10, GKC14, GCED22, Kra82, MCD+07, MPSS91, OÅT+05, Ric01, SSW+09, Yos80].  
Scaling [WZF16, KHS+14, KSKN21].  
scallop [CG+21, CGG+91].  
scavenging [PKA19].  
scare [BMN19].  
scattering [GIC20, PMFNGQ21, PO15, PN+21, SLGI+21, SK91].  
scanning [CS89, GPA+11, HS22, HDTV+20].  
scenario [KKY10, LSS+10, SYB+15, WAH+20].  
Scenarios [BDT+08, BMG+21a, JBB+14, KHL12, NPO+19, SAD+17, Ste12, TMÅGC+21].  
scheduling [HBD+18].  
schematic [Ric08].  
scheme [SBM91].  
schemes [BMM97, BM19, KLS01].  
Schoenefeldt [SDS22a].  
School [Bak01].  
School-mix [BM19, BMG19, ANMP15, Mau17].  
Science [PBH14, BCD+20, Car97b, HBD+21, MCB+10, RW97, SSB+20b, SJP10].  
sciences [MCG+14].  
Scientific [ALV+21, ALV+21, SK91].  
scleractinian [ALG+21].  
Sclerochronological [RvBD+22].  
Scambler [GKJK22, TMÅGC+21].  
SCOR [Ano94k].  
scorpaeid [ORB+18].  
Scotia [SCS+18, TSFA22].  
Scottish [SPH+15a, SZG17].  
Scotland [ZLZ+17].  
Scott [GBG05].  
Screening [KHL12].  
SE [GRDS10, LvIBN07, MCGS+16].  
Sea [AQBV+10, BMB+14, BF12, CJMO07, CSV+07, CLD22, CAM06, CQZ+18, CLG+22, CEF+13, Den07, Dev87, EHSI12, FGR+06, FCN+19, HBL+13, HMP+13, JYK+14, KK20, KKX+04b, KSK+19, KS15, ILDOQ+22, LDHW20, Men21, NHH+21, Par86, PGT+13, Pre86, RCSA01, RN02, SCAA07, SCS+18, STG+18, SMG+22a, SNMW10, SDL+19, TCNB20, TTT+20, TPP+00, WGGZ19, XLY+20, XCH+16, YSS+19, YHMG+18, Yun88, ZLR+07, ZLC+15, ACB+13, AS20, AP20, ATS01, AS96, Ano94k, AEPW93, BSC+19, van64, BRC+18, BTN13, BCOL+19, BS90, BBP+21, Bil01, Bla63, BHC+18, BHP10, BAB+19, BBRM20, Bred06, BG+04, CDS90, CWZ+20, CKP+20, CDB+22, Car08, CGM+02, CMM+04, CP+08, CMF11, CF20, CJR+13, CDTH+16, CAO+20, CMHM18, CGZ+16, CZG+21, CP19, CPSM20, Con87, CFML22, CFE07, CF12, DWH+14, DTO00, DWFP+19, Dav85, DBW+22, DOS+18].  
sea [Dem09, DLD+19, DPC87, DLD15, DB+15, ECGP01, ESA+13, Eri65, FBD18, FARRL+13, FPJ+15, Fly10, FP15, FMCG15, FLUC08, FJH10, FJ19, FWL+15, GMDD+22a, GDL+15, GGJ+10, GBM+01, GDN+18, GM19, GvOSW11, GBB96, GDI5, GF19, GVQ+13, GW89, GLLB22, HM90, HKN+14, HMRB+03, Har82, HS22, HJLL07, HLCdP19, Her97, HT97, HHWW20, HPHW21, Hol00, hHCK01, HCV+20, HWBT03, HAU+22, IAN13,
LWY07, LSW02, LDMH09, LBD11, LO85, MXC+21, MLL+22, MMG+13, MRM+14, MHGGS19, MRSS02, MGG22, MRMD+97, MGKW19, MMB10, MB05, MZF+08, MPCNC+19, MEST13, MEMP15, MPD+22, MCD+07, MKHO96, MGC+18, MVC+11, Men21, MBB+96, MCGR07, MWJ+08, MCKS17, MOSN+13, MSGGM18, MFY+86, Mil09, Mil14, Min02, MMG+11, MAFS+22, MSS+02, MKM86, MR03, MH14, MKS+22, MWFH02, Mos69, MEMC05, MLPN06, MKMF+89, MJWK07, NRS+19, NNFL21, NDEG22, NTU+14, NO14, NN+21, NH88a, NXY15, NBG+05, NGLSSG14, NCC+15, NHE+13, NF06, NMY+14, No00, NRA17, ONR+14, OELP04, OEL+14, OÁT+05, ORMR+19, OPL+21, ÖUT93, PIS13, POS+07, PAG+18, PCD+18, PJS+22, PL18, PDV12, PPSVC+13, PCCW18, PDAM+15, PSM+22, PRA+18, PZA+15, PM85, PHC+19]. Sea [PTG95, PST+02, PST+15, PDD+22, PKV18, PL09, PLP99, PBP+99, PT00, PGC+22, QLW10, QLY+22, RM93, RKS01, RLDC+13, RCC+18, RDG+21, RCS+11, RBF+09, RGB+17, RKCH15, RDD+18, RTBR+22, RI86, RDC+21, RKM+07, Rog00, RNL+13, RDP+21, SLBR18, isIS02, SGL+13, SCMAR+99, SVHM+13, SGA+19, SHd13, SDP+22, SIR+07, SM21, SPG+06, SBP+12, Seg69, SMP+22a, SBH+14, SMN+14, SOH21, Sek86, Sek88, SCCJ+18, SGpM18, SFK+99, SRAV19, SSTE16, SW12, SNZ+20, STHM02, SiSI+02, SOO+14, SDH+14, SAB+21, SEG+22b, SEG22a, Smo05, SM05, SK18, SAT+22, SIS+14, SMG+18, SKP99, SK21, SNMW10, SCT+00, SPB19, SDO+14, SGR+22, Sud86, Suk88, SOU94b, Si97, TFY02, TM13, TII+14, TCDPP+22, TAF+99, TDG22, TBK+99, TR99, TKW06, TKW108, Tit20, T0i85a, T0i85b, TCF+18, TZP+00, TPM+00, TCL+15, Tur99]. Sea [UNN+14, VHV+12, VCB+00, VKDS+18, VKT15, VR03, VJ+22, VH09a, VH09b, VBA+18, VBAC+21, VHK03, VHK04, WFH+22, WD94, gWJNILyD20, WST+21, WFD+07, WYT00, WRH+06, WHT86, WNNI21, WHBK05, WHI+02, WGG+08, WL16, WZC20, XWL+18, XHC+20, YYT+14, YIY+04, YKS+12, YMI88, YNTS22, YNM+02, YLL19, YGC+21, Yao88, YJS86, YJ88, Yas07b, Yas07c, YAI+14, YYK88, YPM+10, Yux88, ZGB+20, Zav99, ZMCD11, ZLS+04, ZGZ19, ZZPL18, ZDG+21, ZK06, ZDM+20, ZSY+22, ZZWL06, ZSW+22, ZPC+16, dPAJ07]. sea-air [OKdA+19]. sea-going [SWP+13b]. sea-ice [DWFP+19, Hol00, LSH+11, TRY+04, WC15]. sea-ice-free [WO15]. Sea-level [CJMO87, Den87, Dev87, Con87, DPCS87, JKBH87, Let87, NF87, Pir87, SAM+10, SCS87, Tho87]. sea-surface [MFM85, SRG+19]. sea-to-air [ZPY+20]. seabed [BMNW01, DJW+18, DHB+21]. Seabight [RTN90, VBJ+20]. seabird [AH10, FDB+21, HGBG20, KF+15, MCD+14, SWP+13a, SWZS+21, SIB+06]. seabirds [BPFO6, DWNN04, UGY+22, WMB+21]. seafloor [LBD+01, TDL+17, ZCA21, ZCLS20]. seafood [PG10]. Seaglider [BKE+20]. seal [CQCI5, GPEV20, HBG+21]. Seals [BHMS09, Cid+15, DMBHG10, FJH10, LVGH+15, LSF+17, LAP10, MSC+15, NRS+19, NBLI20, PHC+19, RNL+13]. Seamount
[CDL+22, HNSP+19, TDK+16, GPP22]. seaweeds
[ATC+19, HFNG00, PMG15, Gri22]. SEAPODYM [LSM08, HLS+14a].
SEAPODYM-SP [HLS+14a]. search [SF85]. Seas [LIW13, PO00, BEH19, CAG+18, CTA16, CBOP15, CQC15, DPB06, DJ92, DRD+07, DCL+13a, EAL+07, FBS+18, FSVL10, HBL+13, HOY+21a, HSC+16, HHH+22, IU14, KJZ+12, Leg91, LBP+21, LSH+11, MTC12, MHSV19, NYH+22, Pra97, PB94, PCBA+20, SCC14, SVIA14, SPWH21, TLH+15, TLP+16, WZF16, WG19Z19, WTH12, YN20, ZKT88, AHSS22, APC+12, B95, CM11, CBB+15, CCV+18, FJI+14, FMCG15, FVL+15, GCS06, HVR15, H000, H0H+03, HKN+14, HKP+12, JJA+08, KK20, KF+15, LMW+12, LCJ+17, LC+16, LCJ+07, LLX+21, MSC+15, MRO+08, MM01, NBHM01, OMR+22, OACA20, PBB+12a, PBB+12b, RAB+11, SBK+95, Sei63, SH09, SK21, SAH+21, Ste91, SYN+21, SBS90, WMC+89, WDC+11, YS15]. Seascape [FG16]. Seascape-level [FG16]. seasapces [KHS+14]. season [Ber65b, BF11, CTF07, Ken88, LOO22, MHCR+12, MA12, SW01, TII+14, WO15].
Seasonal [ACB+13, ADS+22, BMK12, BSC+19, BCOL+19, BMC05, BDBJ01, BPM+14, CNT+19, CWZ+20, CDB+22, CGMP14, CAM06, CVBG12, CLL+18, CFG07, DDD+00, DBW+22, DZ04, DK07, ESD+21, EH+07, GMDD+22a, GW1+22, GA10, GDCU09, GSPMA99, GLB22, HPC+20, HHH+00, H1M+15, HDB13, JAS+20, Joh04, KFK03, KLB+21, KC15, KF+15, KZD+19, LC12, LC16, LW12, LiKB07, Lon95, MLA+20, MCG07, MC15, MH14, PV07, PCM11, PFW15, PDD+22, SMR+20, SSC+18, SvWRvB02, SAB+21, SCH+06, SCH+07, SPV+15, TBS+19, TOIF+12, TRLA+13, VAGMDRS22, VCB+20, WGISZ19, XWW+21, YIY+04, YKS+12, YGC+21, YN20, YBPS80, AC85, BAM+09, BB+01, BMM01, BHLU+07, CGC+20, CSS+21, CMH18, CLG+00, DMD+00, DTDO0, DOS+18, DRE+08, DAF+22a, DAF+22b, EALF08, EBR+14, FC07, FTSF21, FHT05, FKZ+15, FCN+19, GR17, GBC+16, GCED22, KSVT00]. seasonal [KP03, KRL+22, LW13, LO85, MT99, MCD+07, MW96, PCSMC12, PJ+22, PD15, PLJR22, PTI00, SSQ19, SSVP00, Sek88, SNZ+20, SPB+02, SB+07, STW+15, SM16, SJ02c, SJ+19, TSC03, TSH+17, TSP+13, UPPS+21, Ver92, WSL20, WZBK+21, WCN+05, WDK+01, Woo18, XWL+18, XLL+20, NKK03]. Seasonal-to-decadal [KLB+21, MCD+07].
Seasonal-to-interannual [JAS+20]. Seasonality [HHK+22, HWB03, LGZ02, PFHM16, RDC+21, RCSWH22, Sa+17, Ban96, BE99, GGJ+10, MGE+12, RGC+01, SBE+20, TB15, TMPM+16a, TSS+12]. seasonally [CTA16, CBB+22, HAH+22, MBP+11]. seasons [SM05, ZSLB00].
Seawater [Due77, AdAK+18, Fei93, FH95, Fei03, Fei04, FM07, GTR01, GLB22, LGG18, SBB04, TGR05, YN15, ZBY+22]. seaweeds [GNH19, NHG19]. SeaWiFS [HM00b, WM13, YKS+12]. Sebastiano [SMB88, SL88, Bru88]. second [LSW02]. secondary
Sediment [CS06, DGGdR02, DCL+13b, PPdM+12, RMB+01, Sai65, SCMAR+99, AS20, BEI+20, BPTT19, CDS90, CJMO87, CB17, DXH+02, FC07, FMH02, GSV+01, HMKF08, HHK+02, JGO+98, KCL+12, LJ65, LCJ+07, LvIKB07, MXC+21, ML09, MDL+12, NIF+15, PGLG+05, RF17, RLR+18, SLBR18, SvWRvB02, Sha82, SSSL16, SFAD+90, TCDPP+22, TWBC+13, VK90, VPW01, VOJD02b, VB14, WCB20a, Whe06, YYK88, dJSL+20, vWHdS+98, vWdSBdH02]. sediment-starved [TCDPP+22]. sediment-water [SvWRvB02]. Sedimentary [CVHM+18, KGdS+08, SC90, Bol94, DJG+02, Ike88, JGS90, JFG+90, JWD+02, KNS+03, Kit03, ORR+02, RWd01]. sedimentation [Ber65c, DOP87, HK65, JS87, JWD+02, KKS+03, KB65, PPSV+18]. sedimentation-rate [PPSV+18]. sedimenting [BNB90]. Sedimentological [CLA+00]. sediments [AJV+02, BPP+98, BGS+04, CLV+19, CJRA+13, CPNL07, CFC+18, Cow05, CJD+19, DOL+99, ECA+01, Emi65, EvdZSH02, Eri65, GMAB07, GGA+05, GGE+65, HVT+22, Hay65, KKS+03, Koe65a, KKS+19, LYZ16, LXC+22, MNYF21, MSL+07, Nay65, OE65, OB98, PCD+18, PPSV+13, PRL+18, SB+01, RGC+01, RBL+19, SGL+13, SGF+19, SLG+12, SOH21, She65, SGO+08, TPL+00, Wis65, YSY+19, YAI+14, ZHBW01, vWHdS+98]. Seeding [ST10]. SEEDS [AYK+05, SSH+05, TT05, TJK+05, NKK+05, TNS+05, YFY05]. SEEDS2001 [KIS+05, TSNO05]. seen [KRL08]. seep [GLV12, JFG+90, MCB+90, OSH+96]. segregation [PNF+21]. SEIBM [CMS+13]. Selected [BHM+15, BC01]. selection [BVJE19, BPW10, CCHV+21, Sma10a, Sma10b, WS+13]. selective [GBM+01, WHB+03]. selectivity [CNT+19, HWBT03]. Selensky [UKK+19]. self [CDDF11, RRS03]. self-enclosed [BLT+15]. semi-enclosed [BLT+15]. Semidiurnal [RPSV+14, JFUR20]. Senegalese [TGJT09]. sensed [CTMV+14, HMO+13, XLX+20]. Sensing [KPSB17, ARD+03, BBE+15, BPGD+14, BTJ+17, KY14, KCO2, MK+15, iSIS02, SMGL01, Tho87, WMB+18]. sensitive [Tur99]. Sensitivities [LK13]. Sensitivity [HWPLvW20, KM08, MMG+13, OAB+16, BRG+15, BFPS06, BHHR15, HPS+01, MAB+11b, SBMB18]. sensor [BRR+12, MVC+11, iSIS02]. sensors [FRV+19, KSK+21, KHM+88, MSMH19]. sentinel [DLJ+21, HGBG20]. separation [GWGR+19, LMM03, ORCH+19, PMH+17, SRF+19, TG05]. September [Ano65i, Ano13g, Ano20b, GCZ+00, Ano07p, Ano08t, Ano08v, Ano09k, Ano09l, Ano10m, Ano12k, Ano13o, Ano14l, Ano15q, Ano16r, Ano17p, Ano19p, Ano21t, Ano22-30]. sequential [DTC+06, ORVES17]. Sergei [Ang79a]. series [AT07, BSFM+12, BAOM+12, Coo69, CNBD21, EHFD12, FTSF21, HFS+20, HLM+13, HFO+22, LQU07, MGE+12, MGF+13, MAH+15, MFDH22, MVC+11, MMG+11, MA12, NCH+07, NIF+15, ORVES17, PBO7, SS69, UPPS+21, VLB+21, WSO+13, Whe06, XCH+16, dPAJ07].
Serrano [LSV14]. set [DHL+21, KMOM88]. Seto [YFY+22]. setting [DVL+99, Gor92, WC15]. Settling [TSC03, KHC+99, KSR+01, SCT+00]. Setibal [KGD+08]. seven [BHLU+07]. seventies [Leg91]. several [aHFS92]. Severe [MAFS+22]. Sex [SS03, PWZ+16]. shadow [SMR+20]. Shallow [PMG15, Tal08, ATC+19, DR18, GBB96, MSV+14, SCHBC+22, SdS02, SdS22a, SPN98, WLP+21, XI95]. Shallow-water [PMG15, GBB96, WLP+21]. shape [JBH+14, RSMIS03, RAG+19, TKC+22, ZPC+16]. shaped [LdSH+15, PMA+14]. shapes [BMG+19]. shaping [GBT+19, JJA+17]. shark [HNSP+19, ON22]. sharks [Jac10]. shear [AR18, OC06, SS17, Zen08]. sheared [CSLJ03]. shearing [IST+88]. Shearwater [SSB14]. shearwaters [YSS14]. shed [No96]. sheets [Ber65a]. Shelf [GMDD+22b, JOBT05, WAH+20, XD96, ANH21, ASDB+01, AJV+02, BHA+14, BHAJ12, BAOC+07, BASS+20, BCP09, Bum73, CDP+20, CDB+22, CMC+16, CTA+16, CZG+21, CBOP15, CSG+15, CM18a, CS06, CDP14, CFG07, CP02, CCH+12, DM13, DWH+14, DMD+00, DTOD00, DW+22, DKRL22, DW02, DJG+02, DGGdR02, DFC+21, DCL+13b, ESA+13, FJA+21, FMWW14, GMDD+22a, GMAB07, GGG+18, GEP+08, Ham87, HHH+22, HTV+22, HWLT10, HHH+12, HPZC21, HAH+22, Hut81, Hut87, Hut92, Hut95, HHH+22, IAN13, IG19, JCIG18, JGO+98, JWD+02, KSV100, KVL+06, KHM+88, KDF07, LM18, LSS+11, LCBN14, LSH+11, LF+15, L+21, LCJ+07, LZG20, LGH+21, LHEB98, LMM03, MZ14, MIN+20, MB07, MR03, MH14, MWF02, MLPN06, MSL+07, NAH+21, ON05, ORR+14, OVR+02, OVR+02, OC06, PM21, PJS+22, PL89, PHC+19, PDD+22, Pra97, PdMS+13]. shelf [RCC+18, RWOA01, RA+05, RSHW22, SENS13, SSI13, SMI+22b, SBD+07, SSL07, SNMW10, SVIA14, SPW22, SCB+16, SÖu94b, TCN20, TNC+09, TLH+15, TLP+16, TPM+00, TSP+13, UNN+14, VEM+21, VOJD02a, VOJD02b, WWild+22, WSL20, WY300, WHE06, WC15, YMI88, YSY+19, YGG+21, YGP+12, YJS86, ZCA21, FKH+13, FGH+97, HMP+13, He92, KFM+17, LNB13, LW12, LDHW20, MPD+22, PHK+17, PCM21, PCM11, SMP+22b, SZG06, SPH+15a, Tol85a, WGGZ19, ZLR+07].

shelf-break [CMC+16, LMM03, OC06]. Shelf-slope [JObT05, LHEB98, MB07]. shelfbreak [HHP06, LPS+19]. shell [MLB+20, OE65]. shellfish [CAH+22]. shelves [BD18, CBC+06, CW06, HBL+13, HKGH+06, MMH+15, MB07, Was06, WC15]. Shift [RF17, XYK+22, Bea04, CHB02, DRVMC+22, Dri06, FAH+13, INI+17, IIS+17, PM13, SSV00, SE08, SE09, SKH00, STK01, TCN20, TKW06, TKW08]. shifts [AN04, AHW+15, BHAJ12, BMG+21a, BDC+08, CAT+08, CRS04, CS04, FP+13, HM00a, HMWM00, HPB+09, HDZY15, iIRM+15, KJZ+12, KFM+17, Law04, LO21, LM14, LHF+16, Man04, MP04, ORMB08, Qiu15, RS04, SvN04, Ste04, SM16, TKL08, VBL04, WXH07, WZ04, YTNK00, ZLKO00, dHA+04]. Ship [DRP+18, GdRGL+01, SGR+22]. Ship-based [DRP+18]. ship-borne [SGR+22]. shipboard [WFS+15]. shipping [DN07].
ships [SPH+15b]. shoaling [PFW15]. shore
[CCD+13, JIT+01, LMM03, Pra91]. shoreface [Let77]. Short
[AVK91, BC91, BGM+01, BF01, CB91, CJMJ+91, MIW91, PWMIM91,
RÅSG+13, TMN+12, Ver91, WP91, CSMGS19, DLM+12, FB01, Fre07,
JSA+08, SGL+18, Sie69]. short-beaked [SGL+18]. Short-term
[AVK91, BC91, BGM+01, BF01, CB91, CJMJ+91, MIW91, PWMIM91,
RÅSG+13, TMN+12, Ver91, WP91, CSMGS19, DLM+12, FB01, JSA+08].
short-time [Sie69]. SHOTS [APSC11]. show [PCR+22]. shrimp
[CPG08, CMF11, CHSB+21, PPD+21, SCB+09, TGJT09]. Si [PHK+17].
Sicily [BMC05, BFB+15b, BKD+10b, CBL+19]. sidescan [SW92].
signal [Mol04, RKS01, SJ02a]. signals [FG16, SD07, Szu12]. signature
[MVS08, VSBC+2, YGL+10]. Signatures [KIL14, Czw+22, Csc+12,
Cdp14, PRL+18, Qos+22, RAg+19, VKGP+13, WRS+92]. significance
[AS88, GDI+09, KSE+09, LRW+15, MG90, Nie07, OB08]. Significant
[WSC+21, DRB20, ZPY+20]. significantly [CBL+19, PBB+20]. silica
[CWZ+20, GTR01, KYT+16, RGC+01, TGR05, WSC+21]. silicate
[LCR+93]. silicates [Ros65]. Siliceous [SLG+12]. Silicic [TSRF14]. Sill
[Zen08]. Similar [GGQ07, VPM+19]. Similarities [KTIT+22]. Similarity
[HMP+11, RLP+18]. Simple [GLS08, KKK+04a, KKO10, RLC85, Zee90].
simplicity [Fly03]. simplify [RSG+06]. Simulated
[FYY+05, TFM+03, Hea12, RKCH+15, SGW+19, WWSJ+07, YFY05].
Simulating
[BHS+20, JB15, PST+15, PGG+22, VDS+18, HLL+13, RM93, WO05].
Simulation [Unn+14, APC+13, AR18, Ché14, CJMJ+91, DRE+08, Har05a,
RDL+91, SEW11, TS10, VSA+21, WDC+11]. Simulations
[MSF+07, LC22, MHGGS19, Men21, RmK+21, ZCD+08]. Simultaneous
[DDJ+21]. Since [ALV+21, DYL+15, HHWW+20, HMKF+08, TAF+22]. single
[EGP+18, GASV+09]. single-cell [GASV+09]. Sinica [Ang87]. sunicus
[NNM+08]. Sink [GGT+15, CMF15, MH+20a, MHS+20b, MKOLA20].
sinking
[IL20, LBFB+13, ML+15, MLL+15, NMK+03, SPB+02, VDP+01, YYY+88].
sinks [SE16]. sinuosity [MH+10]. sinus [PRPCAG+01]. siphonophores
[BLCL14, LSC12, Pug84]. sister [BG+05]. Site [SIB+06, BEI+20,
BTS+15b, BKD+20, CDD+18, GSV+01, GHL15, GB96, HFO+90, KVNT+20,
MMG+11, OAD22, RWD01, TAW+15, Th07, XCH+16, ZHSM14].
Site-specific [SIB+06]. sites [HG04, WSO+13]. situ
[BGR+15, FRR+19, GA00, ORMR+19, PSP+21, SSH+05, SPK+19, SBS+05,
SNS+22, TTT05, WZF+16, WFS+15, ASR+20, CDS90, FGR+06, MTO+13,
KPSA17, LKDL14, NIF+15, SFAD+90, SAT+22, TSAM+22]. situation
[BTNK13]. situations [LSM+22]. Six [YTL+19, BSFM+12, SEG+22]. Size
[ATT+08, IL20, SEG22a, WSS15, ARD+03, AJA+22, BM01, BTJ+17,
CNT03, CTI+19, DAF+22a, DAF+22b, DFH+16, DHB+21, FE+14,
FDE+22, GCCY+14, GDN+18, GKW17, GSSW20, GGA+16, HED+12,
HHMB+09, HVEF09, IOGS13, IAFD02, JTD+14, KRL+22, LC12, LBH+21,
LHC+19, LLX+21, LLGS21, MBdM+18, MRAP22, MFS+07, MSF+07, MMPG07, PPSVC+13, Pen03b, PS98, QPR03, RB20, SPSV+20, SE92, Sok90, TSBS18, UAM05, VFS+15, WSC+21, WJPHB15, XHW+20. size-
[ARG+03, SPSV+20]. Size-based [WSS15, WJPHB15]. size-fractionated
[BTJ+17, FEGA+14, JTD+14, LHC+19, XHW+20]. Size-fractioned
[SEG22a]. size-sinking [IL+20]. size-specific [HHMB+09]. size-structure
[CTI+19]. size-structured [HEF+12, MFS+07, MSF+07]. sized
[KT04, RLGC10]. sizes [MCT03]. slant [BRR17, DVB18]. soluble
[SOL+21, SLOP+22, TRLA+13, dWDB+98, vHVAT22, RDP+21]. slopes [CTR+19, FBD18, GD85, KKS+18]. slurry [SL+13]. Small
[BCL+09, LLAPG+22, POS+07, PAB+21, PS98, BRR+12, BAP+22, BFV+17, CSS+19, DPH+18, DHH+18, FFS+20, IDP14, PRTC13, RFC+15, SGF+19, SCD+07, SLOP+22, SPK+22, SSV+11, TCF+18, VCGS+01, ZJJ+21]. small-scale [BRR+12, CSS+19]. smart [NHS+14]. Smith [WR03]. smolt
soaring [Ric15, Sac16]. social [Dav99, Jac10, PBO10, PM13]. Societal
[RAB+11, KA94]. socio [GRDS10]. socio-economic [GRDS10]. sockeye
[BHH+19]. Solitary
[PM85, GC14, HHZ+22, NP00, VB14, XHC+20]. Solomon [CGD+22]. soluble
[BJ17, DVB+18, WRS+92]. solute [LTSG13]. solutions
[KN10, KN11, TDH+95]. Somali [Sch83]. Some [Car97a, Eme65, Eri65]. Sva65, WO85, Ano86a, Ano87a, Ano89a, GBM+01, Mid69, Wil87, Wis65]. Somniosus [ON22]. SONar [GDN+18, SW92]. Sonne [SKF20]. Sorfjord
[MPN09]. Sound [RN06, PNF+21, CCS+21, SKGSO21, SCB+16, USH15b]. sounders [ZZP18]. soundscape [EVM+15]. Soundscape
[MGG22]. Sound [dCFK17, TLF+89, WMC+89, DWJ+18, DBJ+15, KBF+08, MXC+21, SNM+14, SHC+06, SHC+07, UKM+14, WWL+22]. Sources
[BMG+21b, CdMS+18, FG+18, JJR+08, AJJS08, BSF95, CFC+18, GLV+12, SF85, SE16, TSC03, WRS+92, YAK13, ZGZ19]. sour [BoU65]. sou [BoU65]. Sou [CAH+22, DRE+08, FBT+22, HWF+21, KMF+20a, PFE10, TSFA22, TPP+00, ATC+19, CWB+22, Hen85, Ike88, MAAS+00, SCLG+11, SDGVE17, SPW22, TMKJ+09, YCP+12, ARD+03, ABD+17, ÁSÁB+14, ÁBMBÁ14, ÁBMBÁ15, AFH+11, APP21, BMdMS+21, BWB+09, BTS22, CGL+20, CWZ+20, CMK+21, CSW96, CLX+20, CMF15, Cra09, CKL+14,
DFC+21, DGH+20, DHL+21, EMK+17, GDM+20, GC14, HMRA+03, HMPZ11, HKY+11, HPZC21, HHZ+22, JFG+90, KHD22, KMF+20b, Li14, LYZ+16, LGZ+20, LBH+21, LYS+22, LLH+20, LGD+20, MXC+21, MCD+14, MSA+22, NXY+15, OKdA+19, PJS+22, PS91, PG10, PAF+11, QLW10, QLY+22, RFLL21, Rei96, Rei89, RDC+21, STC10, SDGVE17, SJP10, STTL16, SMP07, TBK+99, Tom81a, VCM04, WVL+22, gWjNlYD20, WST+21, WMWR08, WL16, WZC20, XWL+18, XLX+20, XHC+20, YGC+21, Yao88, ZZFL18, ZDG+21, ZDM+20, ZSW+22, YJW88].

**south-central** [YCP+12].  **south-eastern** [SCLG+11, TMJK+09].  **south-west** [CWB+22, SPW22, CKL+14].  **South-Western** [PFE10, ATC+19].  **southeast** [BPSN+21, DBRK17, JJA+13, LHF+16, SJ02a, FZ88, FHG03, FMM+20].

**southeastern**

[AIHb+07, ABS+20, CP02, DBM17, FLUC08, GCB+22, HZCZ16, HS02, LDAM+07, Lie86, MWFH02, WD94, BHH+16, dFKdLZTT17].  **Southern** [CPO+19, DMBHG10, FTG+18, SCS+18, ZHD+20, ALG+21, AVK91, BC91, BHA+14, BTK+99, BMC17, BHAJ12, BCGN+18, BMN19, CFM+18, CB91, CLG+00, CLA+00, CJMII+91, CId+15, CS04, DBC+18, DYL+15, ES07, EH+07, EM12, FCN+19, GHY+19, HE07, HEP+12, HOY+21a, Igu04, JTY+18, KTN14, KKS+18, KTIT22, KGdS+08, KVL06, IVG+15, LSF+17, LPGC02, LO21, LMC+20, LGH+21, LFCSV+13, LB02, MERB12, MMS+16, MB07, MIW91, MIF+12, MIH4, MTH+10, MHC+12, MA12, MSL+07, NRS+19, NMC+09, OSH+96, PRA+18, PWM+91, RFSCF19, RBNJ+12, RBS+09, SLM+16, SCMAR+99, SE08, SE09, SMPC+12, SAd+17, SKF99, SJM+19, SHT+01, TAF+22, TF03, Vcn12, Ver91, WP91, YNTS22, ZLC+15, ZSY+22, AH80, APSC11, ASC92, Ban65, BN03, BLES+22a, CFML22, Don65, Dm09, DPF+20, Epp92, FPJ+15, GWB14].  **Southern** [GPA+11, GCZ+00, GLF+17, GWGR+19, GBH+20, GVKD+13, GMS20, GLLB22, HVTX22, HSLG11, HF03, hHRW+05, HVEF09, HPH+08, JE92, KF11, KMM09, KC15, KMWF11, LSV14, LOG+09, LPA+11, LD15+15, LS15, LLS01, MR06, MFS+16a, MFS+16b, MKOLA20, MJ+21, MCMT+17, MVS+08, MCH+12, N003, PPVG12, PPKR14, PO15, PL09, RVS+21, TAH+11, UCB+18, VKGP+13, WMWR08, WTT14, ZPY+20, ZBY+22].

**southward** [SOO+14].  **Southwest** [CBM+21, GCS91, GRdSS+22, HFW+98, JJA+17, MZ14, USH15a, WLM+13, BH65, HHR+19, HM08, JJA+17, WWN+99].  **south-western** [AVG+19, ASR+20, CTL+04, IMW+14, MFA+15, DMC+18, EBM+21, LMT+19].  **sp** [AM19, BC19, GA01, HLS+14a].  **Space** [MPSS91, Ang88, MKMF+89].

**Spain** [BAOC+09, ÁSF+03, A009h, BFH01, BAOM+12, EAL+07, HHB+01, LMP22, RWOA01, RÁSG+13, VSP14].  **Spanish** [DAKV99, JW01a, ORW+01, SGL+18, TIOM16, VBL+21].  **spanning** [MJC+17].  **sparse** [SVIA+14].  **Spatial** [BMO12, BAOM+12, CRHM12, CCW+18, ESGP17, EM12, FJA+21, FFT+18, GXX+22, GMAB07, GBC+16, HRA+08, Igu04, IVR+13, IU14,
JYK'14, KRL'22, LT06, LSY'14, LYS'22, LCGH07, LLX'21, MERB12, MPSD15, MTC14, OSH'96, PPSV'18, PCBA'20, RCF'13, SLM'16, SFS'12, SPB'12, SSTL16, SEG'22b, SEG22a, SBE'20, TvW98, TSBS18, TIO16, VEM'21, WM13, WTT14, WL16, YMK'04, AMFY20, AGD'18, BSC'19, BBE'03, BDT'08, BDL08, BGB'08, CNT'19, CDH'13, CDB'22, CMM'04, CMF11, CDL'22, DA0D'20, DA0D'21, DAIS10, DK07, ESD'21, FBD18, FHP83, FPIJ85, FSVL10, FTG'18, GKC'14, GLH13, GTS'21, HHK'22, Her88, HEP'12, HKPV12, HPW10, ISM'02, IFC'07, IH18, JFG'90, JBB'14, KM10, KFH'15, KMWF11, Leh01, LSM08, LO21, MRM'14, MZF'08, MHS'09, MCT03, NCC'15, OPG'10, ORB'18, OAM00, PWZ'16, PSH98, RKC'10, iSIS02. spatial [STB'92, SK18, SMPC'12, TTK'05, WPH'10, XWL'18, XRC'15, XNT'17, YN20, BDB'04]. Spatial/temporal [Ign04]. spatialized [Mau10].

Spatially [LLS01, BDL08, CMS'13, RBNJ'12]. Spatially-explicit [LLS01, CMS'13]. spatially-structured [RBNJ'12]. Spatio [BFV'17, GBT'19, GGA'05, HvDL'17, HLD'21, HVEF09, LFC'15, MDB'20, Min00, SGM'18, TS10, YPVP'22, BBD'21, BSC'07, CGG08, CSC'12, ERT'22, GFB'15b, GFB'15a, JFUR20, JHW'14, LSB'17, LSD'18, MSC'15, SLH'19]. Spatio-temporal [BFV'17, GBT'19, GGA'05, HvDL'17, HLD'21, LFC'15, MDB'20, Min00, SGM'18, TS10, YPVP'22, BBD'21, BSC'07, CGG08, CSC'12, ERT'22, GFB'15b, GFB'15a, JFUR20, JHW'14, LSB'17, LSD'18, MSC'15, SLH'19]. Spatiotemporal [AH19, CAH'22, HHP10, SDO'14, DIQ21, LG22, LS15]. Spawning [BFV'20, HLP'16, MMD'16, dFKdLT17, AQVB'10, BSF'21, BSC'07, DPGC14, FP03, FCN'19, GGJ'10, HLS'14a, Jsd12'21, KKKY10, KMF'20a, KMF'20b, LC12, PDAM'15, FFE10, RLL'09, RDP'21, SMPC'12, TOLK10]. speaking [Ang79a]. Special [FJ14'14, LM10, MSI17, SBB'14, BZD'21, Do09, HBW'18, NNM08, RW07, SGepdM18, Ver91]. speciation [GWGR'19, LT15]. species [MIW91]. Species [Ant09, BJ09, FTHK19, Kam19, SM21, ARD'03, AP20, AQVB'10, ASB'08, BIMP19, BJMP20, BC19, CES'19, CBOP15, DAF'22a, DAF'22b, EGP'18, FKH'13, GTB07, GKR20, GS19, GPP22, GBG05, GM19, GA01, GMD20, GAS'22, HSG'15, HCV'20, HLD'21, Igu04, IS19, JM19, JZ19, JGB20, JGOM'10, JLRB20, JG09, JPBB20, KSB00, KFM'17, KTO4, KGdS'08, KDB95, LMBP'16, LS15, Mar20, Mii88, MASF'22, MSFZ19, NHG19, NKK'05, PMG15, PR'20, PMH17, PD15, RLGC10, RK20, RVU'13, RF17, SB19, SWP'13a, SEG'22b, Sm10a, Sm10b, SJ10, SBE'20, SL13, TPRS10, THM'14, TSFA22, UKK'19, VCSG'01, W165, WSH15, WJPHB15, YGL'10, ZMCD11, ZSY'22]. species-based [WJPHB15]. species-level [LMBP'16]. Species-specific [Ant09]. specific [Ant09, HHMB'09, SIB'06]. spectra [GCCY'14, GWK17, GSSWK20, Kla69, KRL'22, QPR03, YYH'17]. Spectral [STR01, KM08, Mor91]. spectrum [GWM'22, LBC'15]. Spells [Cia22, SOWS17, SDB'21]. spiciness [Fla02, Kat18]. spinifer [GBG05].
spiny [MPM+18]. Spiny [NW87]. Spitsbergen [KJ+10, SPW22]._s|Spit| |split| ON22. sponge [RTN90, VB|J+20]. sponges [KT04]. sporadic [SSB14]. Spores [GGE+65]. spots [HNSP+19]. spots [YSS14, ZMCD11]. spp [DOS+18, Gi|93, HHY03, KSN21, MMG+13, McK15, VSF114]. Sprattus [CCM+14, H|PV12, MHTG10, SRK15, SK17, VPH+12]. Sprattus [CCM+14, PBB+12a, FBB+12b, SRK15, SK17]. spreading [B|2, K176, LRRN99]. Spring [DHHP18, GCS91, MSMR93, ZGB+20, AW13, CMC+16, Car97a, DB|+18, DBM17, EKB06, FHP83, FB05, GMDD+22b, GHL15, GKS+13, GMD+15, HHY03, HPHL+05, HHB+17, JS90, KFM15, KTW+22, LPHL+05b, LPHL+05a, LMA+15, MERB12, MPD+22, MCKS17, MiI93a, MA12, MMD+16, NEI+22, OTN20, RHM+19, iS102, STB+92, STF+13, SMP+22a, SPH83, THP21, TDL+17, VHY+12, VEM+21, YMA+17, ZLG17a, ZLG17b, ZWM+15, dFKdLZTT17, RAP95]. spring-neap [Car97a]. spring/early [EKB06]. Springtime [APC+21, H|LNN07, JTD+14, DMBB02]. Spur [BHE+98, F|ST98, FMH02, LHEB98, OB98, TVW98, vWHdS+98]. squat [ACK+13, GRB+08]. squid [ATT+08, BGM+10, IIS+17, OMK+22, RS10, RASVB+22]. Sr [YAI+14]. SST [MS02, SNS+22, WWZ19]. St [MPSD15, MPN09, TFM03]. St. [HGD22, FHG03]. Sta. [LMPB+16]. Stability [MDGC+12, WPB05, Cai95, Fla02, Gir15, HGH+19, JLL+19, LAD+18, Law04, NGV12, VMB+22a]. Stable [BAOC+07, CGC+20, FMC+15, Kli10, SF02, Ang84, BGA+21, CSK+12, CSC+12, CDP14, ESTM13, GDM+20, GWM+22, IBW+01, Kno04, KSG+17, KAAK+16, LSV14, MRAP22, OPG+10, FPHM18, PYKF15, QOS+22, SBC+16, SC65, SHC+06, SHC+07, SM16, VGP+13]. Stage [NMN08, HCGK11, IVR+13, MMG+13]. Stage-V [NMN08]. stages [AHP19, CSMG19, CGC+20, CCCM+14, Emc65, Emc65, FCN+19, HPW10, KSK+15, LSY+14, MVBC+21, NHG19, OCH+18, PWZ+16, PDAM+15, SLY+15, TCF+18, VMH+21, WFT+22]. staging [PMG15]. Staithfotia [GA01]. stagnalites [SCS87]. standard [MDR22]. standing [ADS+22, Fro93, GSPMA199, IVR+13, JSH90, MMKS+21, OBD+20, RLP+18, TRLA+13, WSC+21]. stars [MJD+21]. starvation [HCG11]. starvation-induced [HCGK11]. starved [TCPM+22]. State [MEP12, SBB+14, AdAK+18, CAA+07, Flao2, GTN21, HLK13, JCM+21, MHA+11, McDo1a, McDo1b, RLD01, RGC+01, SRM+10, TAM+13]. states [Kno04, Bun03, Emc65]. Station [AEPW93, Fro07, AVK91, BC91, CB91, CJMI+91, HLH+13, MIW91, MA12, NCH+07, PWWW11, Ver91, WP91, CR20, KLB+21, KBC+22, MDCG+12]. stationary [PCR+22]. stations [BHLU+07, DLJ+21, Lev88, SS69, SH09]. Statistical [FPJ+15, SW92, WPH+10, BIL03, BPGD+14, GAM98a, MNT14, Owe91, SBM91, SDO+14, SLY+15, dMM69]. Statistics [LaC08, BBB+21]. status [CSBL+15, CAO+20, CBGC+08, FVA+19, Fai65, Joh04, JJS03, KTN14, KSE+09, LCACAS+07, SGL+18, SF02, VJH+22]. Stay [CMS+13].
STCC [CMG15]. steady [RWD01, RGC+01]. steelhead
[SKG20, WBF+21]. steep [JOB105, vHVAT22]. Steering [LMA+15].
Stephos [SSTD+95]. Stepwise [TSL10]. steric [RG09, SRFHDH22].
Sternopychidae [CSM+15, EBM+20]. stimulate [CRC+19]. stirring
[Mar03]. Stock [ZL01, ADS+22, BHMS09, Dow9, Fro93, IAFD02, JsdSS+21, JSB90, KMB01, MHTG10, SEG22a, TRLA+23, WBC+22]. stocks
[CGV13b, GSPMAI99, IVR+13, LNB13, MMK+21, MHS+09, OBD+20, SEG+22b, TGJT09, WSC+21]. Stoichiometric [ASAB+14]. stoichiometry
[BPA+21, Fly10, FAH+13, HWL+20, PHK+17]. stomach [KSG+17].
storms [EDB+20]. stomatopod [MKD90]. Stomiiformes
[CSM+15, EBM+20]. Stomiiforms [SLP+22]. Storage
[PPKR14, HTMD+15, ILdZQ+22, WCN+05]. storm [CBB+19, CBB+22b, LFB+13, MFH86, PFHM16, PPSVC+13, SWP+13a, SZG06].
storm-induced [PPSVC+13, SZG06]. Strait
[JJR+08, KHC+99, SNR+10, AW13, AHC+13, BFB+20, BPGC+20, BCR+13, BCK94, BC88, CML+16, CGW+22, CGMP14, CZW+22, DWH+14, Dea85, DL17, ESTM13, FY88, FAAF88, FDM+13, GIC20, GXX+22, GSSW20, GKS+13, GDM+15, HFPS+06, HMI+15, Ike88, IOGS13, ITO+14, JC88, KAG+19, LNBMI13, LF12, LAP10, LMI+13, LHC+19, LC10, MMGL+07, MGF+13, MGWZ20, MRO+08, MP13, MK86, MH14, NGLSSG14, PMC16, PM13, PST+02, PBN13, Ric94, RHBS13, Rud89, RKS+15, STF+13, SGMP15, SLH+19, SSV+11, TYO+14, TSBS18, VGLCS06, VKDS+18, WDC+11, Wuo18, YYT+14, YLY+14, YYHT+17, YMK+04, ZLX+20, dIPH+15].
Straits [KTB+99, ABC+99, AC85, BTK+99, BMC05, GR85, GSPMAI99, KSPK99, MM90, MWO+12, NTU+14, RLGC10, SKP99, TBK+99, VOT+99].
Strangonamera [CCM+14, SYB+15]. strategies
[BVJE19, BOMdP15, BHS+15, BCL+09, DPGC14, KPSB17, LDH90, LPA+11, MSG90, Nie07, RMB+01, SSW+09, THBA19, VBC+20]. strategy
[SSTD+95, SSB14, YAK+08]. Stratification
[BBB01, SLH13, GCD+13, LK13, LFC+15, PFW15, SHd13, SY+21]. stratified [BMG+21b, CTA16, FvBA+17, Her88, HAH+22, IAN13, KV13, KV18, MBP+11, SMFM+21, SEN13, TSP+13, WPW+14]. stratigraphic
[CFM+18, Par65]. stratigraphies [Sei65]. stratigraphy
[Med87, Sai65]. streaked [YSS14]. Stream
[AC85, BHPC06, Fug63, Ham87, Hen85, Hog85, KAH+16, LS85]. streams
[LGZL22]. stream [YFK21]. strengthen [CKM+21]. Strengths
[BBE+15, HS07]. Stress [FWH+17, AR18, BCOL+19, HKH+02, IPG+16, MS02, QOS+22, VTGC19, WWZ19, XY21]. stress-SST [WWZ19]. stresses
[LED+22]. stressors [dSSDS+20, TCS15]. Striking [XLX+20]. striped
[JOG+10]. Strong
[KSG+17, FEL16, GTS+21, HSLG11, SEG22a, WST+21]. stronger
[KLC+15]. Structural [RLP+18, BHR+15]. Structure
[GIPC+15, HKGH+06, JG09, MRA+19, MDR22, PP85, SP08, TCS15, Was06, AMFY20, AAM+14, AMG+16, Ang79b, ABT+04, ASR+20, BAM+09,
BIST01, BS90, BWB+09, BLP93, BLES16, CRGA17, CLSD18, CWB+22, CSV+07, CDL+22, CC88, CS03, CBM+21, CFML22, CF12, CCB+20, CTT+19, DBC+18, DW02, DRE+08, DSR21, Dol09, Dom84, DBR20, EBD+20, ESD+21, ES07, EHG+12, FMH02, FDE+22, FPS+09, FAB+09, GSF+09, GAf15, GCCY+14, GPP22, GDM+20, GWM+22, GHVG19, GGA+16, GVDK+13, Ham87, Hey78, HGBG20, HSL96, HG04, IBW+01, INT14, JSHB90, KP03, KOli+10, Kos93, KBSB18, LCBN14, LdCSB+20, Lon85, L885, MLL+22, MT99, MERB12, MDAW+19, MTC14, MLM09, Min00, MTK+22, Mo22, MK12, MTH+10, NLY+17, PCMI11, PJH+15, PDD+18, PBS22, PLK14, PCBA+20, QSC+15, RD03, RLR+18, RCSHW22, RBE+12].

structure
[SSQ19, SSS+11, SIR+07, SNZ+20, Sie69, SSM90a, Sim84, Š glam+18, SPMP05, SNMW10, SPN98, SST+17, Tan99, TWMY08, TMPM+16a, TKW06, THM+06, TSFA22, TSBS18, TPP+00, UB10, VKDS+18, WFH+22, WLM07, XYK+22, XHW+20, YYT+14, YJ88, ZHSMM14, ZLS+04, ZSBL00].

structured [HEF+12, MMG+13, MFS+07, MSf+07, Mau10, RBNJ+12].

structures [AHSS22, DMBHG10, HCAF+20, Ken88, MPM+18, OSH+96, SHC+06, SHC+07].

structuring [CGD+18, JJA+13, KM10].

studied [PKA19, RWD01].

Studies [Ang79b, APSCI11, HWS+07, KY15, Lj65, Ros65, BGM+99, BAO+07, CAt+08, CSC+12, Cow05, DFC+21, Dr11, FRK+09, Has82, Hey78, ITM86, IPD14, JW01a, LOG+09, MGKW19, ML09, Mos69, Rud03, SSM+90b, SJ18, SGR+22, VPS09, WFD+07, WBA+22, WH89].

Study [ALV+21, AYK+05, BOG20, KN1+05, ASFB+13, ABE+15, AHA+16, Ang80, AVK91, AUE+14, ALT10, BC91, BEI+20, BLHB07, BLCD+17, BIH+16, BDE03, BPTT19, BLT+08, BCI+09, CCM+13, CCRS20, CGMP14, CB91, CMJ+91, CCMS08, CKL+14, DGH+20, EALF08, ESTM13, FTFS21, Fro93, GHL15, GAPM16, HLPL05, HBV+10, HBL+13, HPNC15, HPW10, JAC+12, JLB+08, JW01a, Ken88, KIS+05, KAF+13, KGdT+08, KH09, KSI+15, LJM+16, LMW+12, LSB+17, LB20, LGD+20, Mau10, MMG+11, MJW91, MRW+14, NHS91, ORW+01, PBB+20, PKP14, PWMAM91, PGC+96, PCH+08b, Pre86, RCÁ+15, RAE+05, S2G06, SKHD84, iUMY86, Ver91, VIMN08, WP91, WDMMK89, XRC+15, YKWF21, YFY+22, ZDG+21, vWMH98].

Sub [ABD+17, ABÁ+S09, BRR+12, NYH+22, BMG+21b, BCR+13, GvOSW11, HMPZ11, HDA+16, MPM+18, PM22, SBH+14, TST+17, VPM+19, WMB+21, WXHO7].

sub-HMPZ11, MPM+18].

sub-Antarctic [VPM+19].

Sub-Arctic [NYH+22, GvOSW11, WXHO7, BMG+21b].

sub-mesoscale [BCR+13, PM22].

sub-polar [HDA+16, SBH+14, WMB+21].

Sub-regional [ABÁ+S09].

Sub-surface [BRR+12].

Sub-Tropical [ABD+17, TST+17].

Subarctic [Mil93b].

Subantarctic [Ban96, GRdS+22, IGG+19, NHG19, TSRF14].

subarctic [SPB93].

Subarctic [BLI+99, BMN+99, CNT+19, CM11, CCW+18, KNI+05, MN88, SPS+99, AT07, BE99, BLP93, Dag93, DRD+07, Fro93, FMT15, Gif93, HBV+99,
KIS$^+$05, KST03, KRL$^+$22, LGK$^+$93, LMS93, LCGH07, LBP15, MSMR93, MT99, MFB$^+$84, MiI88, MC88, MTK$^+$22, MHVS19, NMO$^+$21, NKK$^+$05, Peñ03a, PV07, RTF$^+$05, Rog00, SSH$^+$05, Sek99, SPMVP05, SHS$^+$05, TFY02, TKS08, TT05, Tan99, TWBC$^+$13, TSNO05, TKK$^+$05, WFS$^+$22, WNNI21, WSG$^+$93, Whe93, WFR07, YAK13, AYK$^+$05, FK99, HBL$^+$13, HMP$^+$13.

**subbasin** [MTL05]. **Subject**

[Ano63d, Ano64e, Ano65j, Ano65k, Ano69d, Ano73e, Ano85k, Ano89l, Ano90d, Ano90e, Ano92j, Ano93g, Ano86a, Ano92a]. **subjected** [ACL$^+$18].

**sublittoral** [GA01]. **Submarine** [RVC$^+$13, AHA$^+$16, AHD18, BRC$^+$18, BD19, CDL19, CHG$^+$18, CJRA$^+$13, CQZ$^+$18, CHC$^+$12, CD65, CHSB$^+$21, DP18, DSC$^+$19, DAU22, DCL$^+$13b, FBR$^+$13, FBD18, GvOS$^+$08, GCF$^+$19, GBB$^+$20, HSN$^+$18, IVR$^+$13, IHR18, JFEC13, JOBT05, KCL$^+$12, KFC$^+$13, LFCSV$^+$13, MRH$^+$18, Nay65, PGLG$^+$05, PCD$^+$18, PGT$^+$13, PRG$^+$20, PCC$^+$19, RCC$^+$18, RFC$^+$13, RCSVG$^+$16, SCB$^+$09, She65, TCDPP$^+$22, TAF$^+$22, TPPG10, TCL$^+$15, ZFSV$^+$09]. **Submersible** [SFAD$^+$90].

**Submesoscale** [BP1$^+$20, HNR$^+$17, LLH$^+$20, MBS20]. **suboxic** [GGQ07].

**Subpolar** [GIPC$^+$15, VFS$^+$15, BDTC15, DMT15, FKZ$^+$15, FMP19, GTNK21, HPB$^+$09, HLM$^+$16, KY15, LWT$^+$20, Rea00, SF15, Yas07a].

**subspecies** [PMG15]. **substrates** [CDS90, GGT$^+$15]. **Subsurface**

[KY14, ZSY$^+$22, Don94, MVS08, RKK$^+$21, SGB19, YYY$^+$18]. **Subtidal** [DRB20]. **Subtropical**

[CMI$^+$18, DLC$^+$08, GRdSS$^+$22, HPC$^+$20, INI$^+$17, Kat18, LSGM01, AGL$^+$15, BHS$^+$15, BDBJ1, CRGA17, CMF15, DBRK17, FHG03, FCMC$^+$19, FMSBW13, HSK$^+$19, HM08, KF11, LLH$^+$21, LMT$^+$19, MS17, MS17, MTK$^+$22, Mo04, NCH$^+$07, NMO$^+$21, PHCA17, PAF$^+$11, RASVB$^+$22, SLH13, SASH08, WLM$^+$13, YSN20, ZLG17a, ZLG17b, BSMC15, GSF$^+$15].

**success** [BWMCBC08, BEP02, IMH07, MAFS$^+$22, PHLL05, YFY$^+$22].

**successful** [DWFP$^+$19]. **succession** [LBP$^+$21, PFHM16]. **Suez** [Ore69].

**Sugars** [TPN$^+$18]. **Suggested** [Ano94k]. **suggests** [PDAM$^+$15, SLY$^+$15].

**suitability** [BBH$^+$16, DFH$^+$16, HLP$^+$16, SAY$^+$16]. **sulfide** [ZPY$^+$20], **sulfur** [NEI$^+$22], **sulphide** [BCP09, TJD90], **sulphur** [TNS$^+$05].

**Summarising** [BBE$^+$03]. **Summary** [LFA$^+$06, PAB$^+$87b, Man69, TT05].

**Summer**

[DLC$^+$08, MDR22, OMS$^+$09, YLY$^+$14, BTK13, BvdLA$^+$11, BSH$^+$20, DSR21, DHDM22, DL17, EKB06, EHG$^+$12, FB01, GDL$^+$15, HWPLvW20, HY03, HEF$^+$12, IMM$^+$22, INT14, LPBM17, LHC$^+$19, LZG20, MSS$^+$02, MKOLA20, MKS$^+$22, MJA$^+$07, PVC$^+$20, PELEAA18, Par86, RBLHA04, RVS$^+$21, SM21, SGP15, SEW11, SYN$^+$21, TII$^+$14, TTL$^+$04, WFS$^+$22, WMB$^+$21, WST$^+$21, WQ08, YKS$^+$12, YLL19, YJ86, YJ88, ZDG$^+$21, dWDB$^+$98, dFKdLZT17].

**summers** [AMFY20]. **Summertime** [Lie86, WMWR08]. **sun** [PNF$^+$21].

**sunken** [JZ19]. **sunscreens** [FWH$^+$17]. **Super** [VBL$^+$09, WSG$^+$93].

**Super-ensemble** [VBL$^+$09], **superficial** [GGA$^+$05, SGL$^+$13], **supplies** [ZCV$^+$19], **Supply** [RNBP$^+$19, CJMO87, DTOD00, LBK$^+$01, QCdS$^+$07, RCSHW22, SH09, TAM$^+$15, VGJ$^+$19, VMNO8, WP91, WW02]. **support**
Suprabenthic [ACL+18]. Surface

[ABM*05, CP07, Don94, GBC*00, KBHML17, KSD84, NBR*08, NMO*21, RM07, RCD*94, RKFD07, San15, SAT*22, SCB*16, ATSO1, AMEV07, AEPW93, APP21, Ban96, BCOL*19, BH07, BHC*18, BF01, BRR*12, Bre06, Bri83, Cal95, CLV*19, CPC*15, CVBG21, CMHM18, CSS*19, Cia22, CPSM20, CPNL07, CMF15, CRHM12, CBTO7, CM14b, CEF*13, DHC*20, DWH*14, Den09, DVB*18, DSC*21, DL17, DDJ*21, EALF08, EGPM*15, EBR, EBX, XCH, [BMN19, BDE03, JPM*08, WFJ*15, VSPP14]. supports [GTS+21].

Suprabenthic [ACL+18]. Surface

[ABM*05, CP07, Don94, GBC*00, KBHML17, KSD84, NBR*08, NMO*21, RM07, RCD*94, RKFD07, San15, SAT*22, SCB*16, ATSO1, AMEV07, AEPW93, APP21, Ban96, BCOL*19, BH07, BHC*18, BF01, BRR*12, Bre06, Bri83, Cal95, CLV*19, CPC*15, CVBG21, CMHM18, CSS*19, Cia22, CPSM20, CPNL07, CMF15, CRHM12, CBTO7, CM14b, CEF*13, DHC*20, DWH*14, Den09, DVB*18, DSC*21, DL17, DDJ*21, EALF08, EGPM*15, EBR, EBX, XCH, [BMN19, BDE03, JPM*08, WFJ*15, VSPP14]. supports [GTS+21].
[BK08, CAT+08, CKT+13, GTS+21, HMO+13, LGZ+20, MOS+13, MS15, ARH+00, ABD+17, AIA+18, Dri11, DP13, EAL+07, FTG+11, HHH+12, HMKF08, MRMD+97, MB05, MGK+86, TBK+99]. synthetic [Ric94, VOT+99]. **System** [AAM+14, GBC+16, MAB+11c, MAB+11a, MAB+11b, PAV+21, ABE+15, AVK91, BC91, BTK+99, BIST01, BFB+20, BDT+08, BF01, BMG+21b, BHHS83, BLT+08, BLMR+20, CFM+18, CQZ+18, CB91, CGZ+16, CP83, CJMI+91, CTP+18, CKL+14, DLM+12, EALF08, ESTM+12, ES07, EB08, EBDL+09, EHG+12, FFA09, FDH20, FWBC02, GSFP+09, GMAMB04, HHK+22, HGHD22, HSH+19, HKGH+06, HFP+06, HN+17, IVR+13, JF92, JW01a, KAH+16, KAK+22b, LSV14, LF10, LBP15, LSW02, MERB12, MCG+02, MCd81a, MMES16, MIW91, MR03, MJC+17, PM13, PBS22, PWMIM91, QNK+22, RBL+19, RAP95, RDC+21, RÁS+13, RBS+09, SHD+21, SAM+04, SGO+08, SCLS10, SKRM+95, SHT+01, TMH+16, TLH+15, USH15b, VSGC21, VSA+21, Ven12, Ver91, WP91, Whi95, WFS+15, YKWF21, YGC+21, AH10, ÅSDB+01, ARG11, CCW+02, CBGC+08, CB09, CRT+22, CRHM12].

**System**
[DFM+21, DPF+20, GDI+09, GCED22, Hau84, HLGA07, Hic79, HW02, Huy83, JMT+11, JBB+14, KSD84, LQ07, LQ07, LO21, LFP+18, LB02, ML09, MAB+11a, MAB+11b, PO15, REG+15, RMK+21, RD03, RZTD17, SFMA20, SE16, SDK84, Sim84, SKHD84, SAd+17, SBG+08, TMA+21, TSJ+12].

**Systematic** [GJ00]. **Systematics** [BHB+19]. **systems**
[BCL+09, CLV+19, COP+19, CED09, CTT+19, Dong09, EBDL+09, GHVG19, GCF+19, HDM19, HVEF09, JPM+08, KMB01, KSC10, KJH+10, LSH+17, LSD+18, LHF+16, M02, MC15, MAB+11c, MAB+11a, MAB+11b, MZGA+20, MGCS+16, PO10, PP10, PFHM10, RFSCF19, SWP+13b, Sma10a, Sma10b, ST10, TPRS10, MFM15, TBW09].

**T** [Ang80, PCK+06]. **T.** [GBG05, MRAP22]. **Tōhoku** [CLB+14]. **tags**
[BMC+10, FFT+18]. **Tagus** [JGO+98]. **Taiwan**
[DL17, JC88, LHC+19, MH14, STJ+14, WLP+21, Yin88, ZLM+20]. **take**
[ROBR+22]. **takes** [WJPHB15]. **tale**
[BKC15, SWT+17, Wai21]. **tall**
[TDK+16]. **Tanaidacea** [JPB20]. **Tanaidacean**
[SPB19, BJMP19, BJMP20, JPBB20]. **Tanner** [RKCH15]. **Tantulocarida**
[PKA19]. **tantalus** [PKA19]. **target**
[CBB+22c]. **Tasmania** [OLH+18]. **taxa**
[GSV+01]. **taxon** [LB20]. **Taxonomic**
[CSR90, CCW+18, Kam19, PVM+20, YMA+17]. **taxonomy** [JZ19].
**Tchernia** [Hol81]. **technical** [BCF+03, SPK+19, TDH+95]. **technification**
[PPSV+18]. **technique** [Jer65]. **techniques**
[BPGD+14, BGR+15, SNV+18, Tom81b, VBL+09]. **Tectonic**
[JFG+90, Kit03]. **teleconnection** [Has06]. **teleconnections**
[OAT+05, ZLC+15]. **telemetering** [Dah69]. **telemetry** [MHR+10]. **tell**
[RMB+01]. **telling** [VLUC+07]. **temperate**
[CDB+22, DBW+22, FB05, GMDD+22a, HAH+22, LM18, LBP+21, MPD+22,
MFDH22, MAFS⁺²², PDD⁺²², RCSHW22, RHM⁺¹⁹, SSB20a, SMP⁺²²b.

Temperature

[GSMD⁺¹⁷, Yaoo88, Zen08, Ang65, ATS01, BCOL⁺¹⁹, BHHIR15, Bre06, CGBP07, Dem09, DDI⁺²¹, ED82, GAMP16, GEPC15, HKN⁺¹⁴, HJJL907, Her97, HT97, HHH⁺¹², hHCK01, KC15, LSXT01, LHW⁺²⁰, LLX⁺²¹, MMخفض, MP.'/'.$¹⁷, Mi69, MKM86, MFM85, Mol22, NGN912, NKK⁺⁰⁵, PO00, RG09, Rous65, SCHBC⁺²², SMGL01, ŠGM⁺¹⁸, Spr08, SLY⁺¹⁵, SPV⁺¹⁵, TMN⁺¹², TOKL08, Ton81b, VYGM9⁺¹⁷, WHT86, Whi95, YYY88, YPM⁺¹⁰, Yn88, YYK⁺¹², ZLC⁺¹⁵, vHMDL14, Rou65].

temperature-depth [ED82]. temperature-salinity [ED82].

temperature/salinity [Tom81].

template [DAGK99]. Temporal [BTS⁺¹⁵b, BMN901, BLRP93, CCHV⁺²¹, FTSF21, FELJ16, GMB12, GSV⁺⁰¹, HSMLDC⁺²², HLM⁺¹³, HYM⁺¹², HHZ⁺²², ILA21, ISM⁺⁰², KBC⁺²², KMWF11, LSMG01, MLD⁺⁰³, MCD⁺⁰⁷, MPC⁺¹⁷, MCT03, MSL⁺⁰⁷, STB⁺⁹², SKP99, SK21, VK90, VSC01, VDB⁺²⁰, WLM⁺¹³, BDB⁺⁰⁴, BMI02, BBE⁺⁰⁳, BBB⁺²¹, BSC⁺⁰⁷, BFV⁺¹⁷, Car98, CGG08, CSC⁺¹², DAV⁺²⁰, DAV⁺²¹, ERT⁺²², ESFP17, EM12, FHP83, FFT⁺¹⁸, GBT⁺¹⁹, GMAB07, GFB⁺¹⁵b, GFB⁺¹⁵a, GGA⁺⁰⁵, GIPG17, GVKD⁺¹³, HVL⁺¹⁷, HLD⁺²¹, HVEF09, Igu04, IVR⁺¹³, JFR20, JW01a, JHW⁺¹⁴, KBE⁺²², LFC⁺¹⁵, LSB⁺¹⁷, LSCH07, LLX⁺²¹, LdCSB⁺²⁰, MRM⁺¹⁴, MSC⁺¹⁵, MHS⁺²⁰a, MHS⁺²⁰b, MBB⁺²⁰, MFDH22, MPSD15, MHS⁺⁰⁹, MZ14, MZ00, NTU⁺¹⁴, OAM00, PSP⁺²¹, PS98, RCF⁺¹³, iSIS02, SPB⁺²¹, SEG⁺²², SEG22a, SK18, ŠGM⁺¹⁸, SMPC⁺¹², SLH⁺¹⁹, SKH00, TVW98, TS10, TIK⁺⁰⁵, WM13, WTT14].

temporal [YPFY⁺²², YMK⁺⁰⁴]. temporary [MOSN⁺¹³].

tenuimana [ACK⁺¹³].

TEOS [AdAK⁺¹⁸]. TEOS-¹⁰ [AdAK⁺¹⁸]. TEP [ORMR⁺¹⁹, Pas22]. term

[APC13, ABE⁺¹⁵, AVK91, BC91, BGM⁺⁰¹, BBR⁺⁰¹, BLCL14, BD18, BF01, BBL⁺⁰⁹, CMF⁺⁰⁹, CSMSG19, CB91, CSK⁺¹², CB17, CJM⁺⁹¹, DLM⁺¹², DLM⁺⁹⁶, FRV⁺¹⁹, FB01, FMP19, FAH⁺¹³, FMSB13, GMD⁺²², GHL15, HFS⁺²⁰, HHRW⁺⁰⁵, HHZ⁺²², JSA⁺⁰⁸, JLS⁺²², KON14, KNS⁺⁰³, KRHS14, LO07, LHE⁺¹³, LSIC12, LSXT01, MLL⁺²², MDAW⁺¹⁹, MDGC⁺¹², MIW91, Nag01, PGY⁺²², PG10, PWMIM991, Rebo2, RÅSG⁺¹³, STJ⁺¹⁴, ŠGM⁺¹⁸, Spr08, TFY02, TMM⁺¹², TKW06, UPPS⁺²¹, VMB⁺²²a, Ver91, WP91, WFD⁺⁰⁷, WTHB03].
terminal [MBCB88].

terminating [GHVG19].

termination [Luk86]. terms [Due77]. terms [Cra09].

Terrace

[MG90, VK90]. terrain [DBR20]. terrestrial

[CKP⁺²⁰, DWC06, KI14, RBL⁺¹⁹, SVHM⁺¹³, SMN⁺¹⁴, SGO⁺⁰⁸, SCS87].

terrestrial-marine [RBL⁺¹⁹]. terrigenous [PGT⁺¹³]. test

[BTKK13, BF11]. Testing [DTC⁺⁰⁶, LM97]. tests [PTF10]. Teuri

[DNW04].

TEX [SBH⁺¹⁴]. text [Ang70a]. Th

[AYK⁺⁰⁵, DTH⁺¹⁵, HPZC21, ST65, TAF⁺²²]. Th/ [AYK⁺⁰⁵].

Thalasseus [Cra09]. Their

[VJJ⁺²², AH15, Ang79b, Ang80, Ang89, BLP⁺²⁰, BF12, BAP⁺²², Car98, CVOB21, CBT⁺²², DSAB20, EHG⁺¹², FL02, Gam14, GGT⁺¹⁵, GA10,
GMAB07, HPS+01, HKK12, HHSR07, HPW10, KTN14, KIL14, KM22, LSXT01, MPV12, MGS90, MB20, MDAW+19, Mau10, McD81b, MS17, MR03, NMLBCM+01, NMN08, OOTA15, PTM+22, Pra97, Ric22, RGI05, RCSVP+16, ŠVL+15, SIS+14, TCN20, TVG02, VCM04, WGGZ19, WR03, WL16, YSS14, YNO3a, ZLKO00, ZGZ19, ZLX+20, ZHBW01, thematic [MRH+18]. theme [BHMS09]. Themisto [AE09]. theorem [BBF+22]. theoretic [DYO+10]. theoretical [BH07, GD91, Szu12]. theories [MS00]. Theory [Har05a, CRS04, Dea85, GCCY+14, Kun03, NP00, RK03b, Ste04, vRGW10, vdc94b]. Theragra [MLPN06, YNM+02]. there [BBLD+11, BT07, MKB00, SHF01, PPPdS20]. Thermal [FKH+13, TNC+09, CP83, HGD22, KAK+22a, MK12, PLK14, SBM91, SI97, WLM07]. Thermobaric [Har05a]. theo...
Time-dependency [LMS93]. Time-series [Whe06, AT07, BAOM+12, Coo69, HLM+13, MMG*11, NCH*07, WSO*13, dPAJ07]. times [Men21, WJE*92].

Timing [LSH*11, AW13, BSF*21, CCH*12, HBD*18, IOGS13]. tip [WCC*20].

tissues [AB90]. TIW [NIC*19]. Todarodes [KSK*15]. together [RK20].

Tokara [CZW*22]. Tomczak [MC08, YRK08]. tomography [GW89].

Tongue [Fuk91, HDB*13]. tonsa [BD20]. Tony [Bil01]. too [WSO*13]. tool [BFPS06, BMN19, CAO*20, FAAV*15, FC05]. toolbox [KHJ*10, MLL*15].

toolkit [WCB*20]. tools [JPM*08]. toothfish [PWZ*16]. TOp [LM10, AH10, AF10, FFA06, PPD*12, BVJE19, DYO*10, DSAB20, GPEV20, HS22, HM06, Jac10, KM10, LAD*18, MLPN06, OWR*07, SFS*12, SIB*06, XYK*22, ZK06]. Top-down [AH10, AF10, FFA06, PPD*12, BVJE19, HS22, HM06, MLPN06, SIB*06, ZK06]. top-heavy [XYK*22].

TOPEX [DEW*97]. TOPEX/POSEIDON [DEW*97]. Topographic [Ham09, VKDS*18]. topographies [Bak06]. topography [GSA*20, OAWAN18, RD03, SBG16]. Tortugas [KAK*22b]. TOSCA [BBM*14].

total [BTS*15b, KBC*22, Rei86, Rei89, Rei94, Rei97, Rei03, BBF*22]. totally [GGA*05]. toxic [CGD*18]. toxins [CAH*22]. TPXO.2 [DEW*97]. Trace [CGD*18, ORB*18, BJ17, CES4, CFC*18, HF65, KIS*05, LTJ*15, LNJ5, MBL*12]. traced [PRL*18, ZSY*22].

Tracer [APSC11, BS95, HHP06, MWJ*08, TNS*05, VKT15, WNN12]. tracers [AJV*02, GSPP*20, Rei86, Rei89, Rei94, Rei97, Rei03, WRS*92].

Trachurus [BHII*16, ZL01]. Tracing [Sme93, ZGZ19]. track [KST*10, LKDL14, LNH*13, MHR*10]. tracked [LC16, RBZ00]. Tracking [GPE*17, PM22, AGD*18, JIT*01, Ric94, RLC85]. trade [KSY*19].

trade-offs [KSY*19]. traditional [KSY*19]. Trafalgar [BPGC*20]. Trails [WKS*15]. training [DHB*21]. trait [ECFT20, GNH19, SPSV*20].

trait-based [SPSV*20]. traits [KBE*22, MRH*14, RNBP*19, SHD*21, THBA19, TMR*21]. Trajectories [MK86, AKAL20, Kir06, LKDL14, LC16, MJ88, PKV18].

Trans [GPC*03, FTT*18, GWGR*19]. Trans-Atlantic [GPC*03]. trans-Drake [GWGR*19]. trans-Pacific [FFT*18]. Transatlantic [BBF*19].

Transsect [AB00, BJ17, KBHML17, PHCA17, SWT*17, BHC*18, BTV*17, CGM*02, KRL*22, LM00, LGR*02, LHEB98, ARH*00, Ano17a, RNP*17, ZSBL00].

transsects [Mot22]. Transfer [SGL*17, VHK03, MRA*19, MGS90, SSS*11, SHD*21, Tho95, VHK04].

Transfer-function [VHK03, VHK04]. transfers [BMG*21b, NBG*05].

transform [OP18]. transformation [ASC92, CCRS20, RKS*15, SGMP15].

transformations [BS02, GIPC*15]. transforming [OCH*18].

transgressions [Med87]. Transient [Hol00, RKM*07]. transiently [BGL*17].

Transit [LCJ*17, Men21]. Transition [BMN*99, INI*17, PHKS17, RMH09, BAM*09, BAT*98, BA04].
BBPHG+11, BB14, EM12, GMAMB04, GASV+09, HLGA07, IMM+22, JPI12, MTK+22, MGH+07, MTH+10, PHKS01, SAM+04, SJM+19.

transitional [VKT15]. transitions [JS90, ORMB08]. translated [Ang79a]. transmissometer [GRMB18]. Transparent [MPM+17, ORMR+19, Pas22, RTF+05]. Transport [GPA+11, MNFY21, SLCG+11, Soh+03, TAH+11, AdAK+18, AC85, AFH+11, ASC92, BB+14, BMC05, BBM+14, BDJB01, BMG+19, CB17, CHSB+21, CCD+13, CS06, DWH+14, FLdST98, FK86, GMAMB04, JC04, Jón07, KHD22, KSK+15, KBSB18, LDAM+07, LGD+20, MGKW19, MWJ+08, MWO+12, NBR+08, NNO+14, OOTA15, OAWAN18, ŐÜT93, PPdM+12, PCSMC12, PDAM+15, PGG+22, RBL90, SVHM+13, SFMA20, SGMP15, Sei+63, SMN+14, Sek88, SCC14, STJ+14, SM+90, SMPC+12, Tal08, VK92, VAGMDRS22, VMH+21, VB14, YSY+19, YCP+12, YAI+14, ZZWL06, vWdSBH02].

Transportation [AHSS22]. transported [PGT+13]. Transports [MRO+08, APN+15, GIPC+15, HGFN+14, HGT16, RBS+20, RBS+22, Rei86, Rei89, Rei94, Rei97, Rei03]. trap [BPTT19, HMKF08, MXC+21, NIF+15, RF17]. trapped [CSLJ03, KWI20, vHMDL14]. traps [BEI+20, VK90]. Travel [GW89]. trawl [ATC+19, CHB02, DJW+18]. trawling [DJW+18, PPSV+18, PRA+18]. trawls [RKK+21]. Trench [AM19, AP20, AB90, BBFS19, BC19, BBRM20, CES+19, CP19, CBL+19, FTHK19, GKR20, GM19, GHSC19, JPB20, JGB20, Kam19, KKK14, KCBS20, KKS+19, MA20, MB20, MDG+19, SSKA19, SKF20, SPB19, UKK+19, YTL+19]. trenches [BHB+19, DSAB20, KKKS14, SJ18]. trend [KC15, LGZW22]. Trends [Dem09, GSF+15, IW13, OLH+18, RJO+19, AH10, BAOC+09, CSR90, CMF+09, CSG+15, CM14b, CR20, FTC+16, FAH+13, GPAB+16, GSSWK20, HSG+15, HH+12, hHRW+05, JSDSS+21, LSS+10, LSS+09, MDAW+19, MS02, MMPG07, Reh02, SGL+18, SGA+19, SON+20, SAD+17, Spr08, VYGMM+17, VDB+20, Woo18]. tribute [Ano20u, SMB88, WR03]. Trichodesmium [LMT+19, McK15]. tridens [AHRT90]. Trieste [Her88]. trigger [RFKC16]. triggers [HS22]. trispinosus [AHRT90]. tritium [MBB+96, SBK+95].

Trophic [BBW+09, CDP14, DKRL22, Dol09, FMM+20, GCP08, HLTB+17, MGS90, PHPM18, SBC+16, SPG+06, TT8+08a, TT8+08b, THM+06, WDC+11, YLL19, AHW+15, BAM+09, BCGN+18, Car98, CMF+09, CAT+08, CSG+15, CCB+20, DDDT99, EB1+20, EBM+21, EBD+20, ESD+21, FAB+09, FDB+21, FK99, GSF+09, GWM+22, GCD+13, GAPM16, HBG+21, HSL96, IPG+16, KLC+15, LLL+11, LCBN14, LMS10, LPHL+05a, LSG01, LLAPG+22, LviKB07, MPC+17, NYL+17, NRA+21, PCH+08b, RPRCAG+21, SSS+11, SF02, SHD+21, STM10, Sie88, SPH+15a, SPMVP05, SNMW10, SIB+06, SSW+09, Tan09, TWMY08, TSS+12, TMKJ+09, TAM+13, TS10, YWUK15].

trophic-level [SIB+06]. trophodynamic [PL09]. trophodynamics [CFML22, EB08]. Tropical [ABD+17, EBM+21, MPSS91, SKH00, VV21, WFBN+13, WLL06].
HHW22, HHH+12, HHP+10, hHRW+05, HHZ+22, HDB+13, HBD+18, IFA21, ISM+02, IAFD02, JQA+08, JX18, JFUR20, JCIG18, JCM+21, JFEC13, JOB+05, KK20, KKB00, KRL08, KST+10, KLB+21, KTH+21, KY15, KKK+04b, KC15, KSK+15, KKKY10, Kra82, KYS+17, KRL+22, LT06, LAA12, LSBP01, LSC12, LSD+18, LNB13, LO21, LMC+20, LCGH07, LHH+20, LW12, LS15, LBD11, MT09, MPV12, MMR+12, Man69, MDB+20, MBD+18, MZF+08, MRAP22, MCD+07, MBH+01, MNM06, MM99, Min00, MTD91, Mol04, Mol22, MM99, Min00, MIW91, Mol69, MDB+09, MKSW+15, MSL+07, MW96, MJWK07, MDR22, NNM+21, NGPH10, NRA17, OACA20, OLH+18, OMS+15]. variability

[OACB+15, Owe91, PSP+21, PCSMC12, PMA+14, PELAA18, PL01, PV07, PFW15, PAM+88, PDAM+15, PSH+08, PZA+15, PCHFA19, PLJR22, PWMIM91, PTI00, QLW10, RWG01, RvBD+21, Ric01, RCF+13, R´AS+13, RGM01, RBE+12, RDP+21, iSIS02, SLM+16, SSQ19, SGWF+19, STB+92, SF15, Sha82, SAM+10, SSTL16, STJ+14, SNZ+20, SAB+21, SEG+22, SKP99, Spr08, SBP93, SJ02c, SJM+19, STR01, SP08, SNS+22, TBW09, TV98, TCL20, TA005, TS10, TSBS18, iUMY86, VSGC21, VSC01, VGLCS06, Ver91, VEM+21, WM13, WP91, WF06, WF07, WSL20, WH95, WHI+02, YIY+04, YBS+01, YS15, YPVP+22, YPM+10, YM+04, Zav99, ZSI+05, dMM69].

Variable

[LTG85, AAM+14, Fla02, Fly10, KAG+19, MRM+14, MAH+15, SB001]. variables

[BF+18, BPSN+21, CSV+07, LLAPG+22, MNT14, NM17, PCC+19, TIOM16, WLKM10]. Variation

[CS03, EHFD12, FSVL10, HBH+17, OCH+18, YKF21, AC85, BMM01, BPSN+21, CMHM18, CCHV+21, CSK+12, DBBB02, DJQ21, DBC+20, EHG+07, FELJ16, FG16, GDM+20, GWM+22, HM98, HRSM08, HVEF09, IIS+17, iIRM+15, IU14, Joh04, KV00, KKF03, KON14, KI10, LC12, LYS+22, LdCSB+20, MLB+20, ML+03, MZ+14, MCT+17, MCT03, NTU+14, NO14, RBNJ+12, Rou65, SIN+07, SCS+18, Sck88, SH09, SIS+02, SLBH+19, SEG+22, SGR+22, TM+13, TOF+12, THP21, VHK03, VHK04, WHT66, WLM+13, XRC+15, YCC+18, Yin88, YBP+08, YHt+17, ZLC+15, ZK06, ZSY+22]. Variational

[S091, GAM98a, GAM98b, GA00, MAB+11c, MAB+11a, MAB+11b, Suk88]. Variations

[NF06, SNR+10, SCC14, WHS17, WXH07, ZLS+04, BFB+20, BF01, BHMS09, Car08, CGC+20, CR97, CSC+12, Con87, CLL+18, CRF+10, CW02, DWH+14, DVL+99, DNN04, Don87, ESD+21, FCN+19, GdRGL+01, Her88, Hut87, Igu04, IHT+21, JG07, KP03, KOHL+10, KMKF11, LMPB+16, LSY+14, LO07, LYM12, ILDZ+22, LXX+22, LSMG01, LSXT01, LLX+21, LS12, MLL+22, MHS+20a, MHS+20b, MTC12, MPSD15, MWO+12, Mw91, ORB+18, PO00, PD15, RSB+01, RBL+19, Sek99, SNZ+20, SPB+02, SIE09, SLPA+20, SEG22a, SQJ+17, TMN+12, VK90, VCM04, WGGZ19, YKS+12, YMA+17, YN20]. varies [UKM+14]. various [Cai95, JYK+14, OSH+96]. vary
Vector [VSPP14, DDJ+21]. vectors [HKK12]. vehicle [KHM+88]. velocities [DW02]. velocity
[CSS+19, LGZW22, NH88a, Nee85, PSP+21, Szu12]. Venna [Zen08]. Venice
[PIr87, FBB+21]. vent [JP90, JG90, TJ90, VMB+22a, WLP+21].
Ventilation [SASH08, NJCD01, PGC+96, UKM+14]. vents
[MSV+14, WLP+21]. Verde [VFCC+22, CCRS20]. vernal [LMA+15].
versus
[CMF15, JPBB20, JJA+08, NYL+17, PSM+22, VBAC+21, CSG+15, MPN09].
vertebrate [HSG+15]. Vertical
[Ang89, BIST01, DRE+08, DAU22, GBB+20, HGD22, HSLG11, HKY+11, HCGK11, JCO4, MSMR93, ORW+01, PLHLF05, RBF+09, TMPM+16a, VK92, WYT00, WGG+08, ASC07, Ang79b, ABT+04, AHRT90, Ban64, BEP02, BGM+10, CFI12, CFG07, CF12, EBM+20, EBM+21, GNM19, GSPMAI99, HLM+13, KNSN+09, KVNT20, KSKN21, KHP+18, LGZW22, LFI+13, MGWZ20, NTU+14, NNK+21, NMNO8, OAC20, OHC+17, OCH+18, Oll15, OAWAN18, PTM+22, PG13, PNF+21, RS10, RSG94, SBB+22, SDV+22b, UCB+18, UPPS+21, VLCCP14, WCX+21, WSH+22, WYT+14, ZGB+20, BSGM6, Roe84a, RB84].
vertical-habitat [BGM+10].
very
[Nof00].
vessel [BOG20]. vessels [W¨us64].
via
[HPB+09].
viability [SJJ+03]. Vicariance [Whi94].
vicinity
[Ang89, LPF+20, Nay65, VOT+99].
video [BTNK13]. Vietnamese
[LPB+17]. view [CBGC+08, PAB+21, Pra91, SBB+14, SJ02a, YSD15].
views [RBD+07, SW12]. Vigo [BLT+15]. Vilhj´almsson [ANO13g].
Villefranche [LSIC12]. villosus
[BSF+21, CGV13a, CGV13b, MMD+16, RMB+01]. viral [CRC+19]. virtual
[WPB05]. viruses [RCC+18]. viscosity [BBS21]. visible [VNMS91]. vision
[EB08]. Visual [CAO+20]. vital [FCEZ10, JRJ+15]. vitro
[GTR01, TGR05]. vitulina [LAP10, RNL+13]. Vivaldi [PGC+96].
Vladimir [ANO20u]. vocalizing [MSC+15]. void [SEW11, Soh03]. Vol
[Ang79a]. volcanics [Nay65]. volcanoes [ZMCD11]. Volume
[J6n07, ANO64a, ANO85a, RBS+20, RBS+22, Sek88, VAGMDRS22]. volumes
[ANO65c, ANO65d, ANO69b, ANO73b, ANO85c, ANO86a, ANO87a, ANO89a, ANO92a]. volumetric [BBMR19]. vortices [MBS20]. vorticity
[CSS+19, KW120, MCD88, Sak86]. Vries [NP00]. Vries-Type [NP00]. vs
[CMM+04, CCD+13, ERT+22, HBD+18, LPP+18]. vs. [CPNL07].
vulcanism [AB65]. vulgaris [O´ASG+16]. vulnerability
[ECFT20, LHC+21, MDR20, ORPRGIS22, RLR+18]. vulnerable [BECA22].
warn [MBT07]. Warming [DAvD+21, FSAO22, BDTC15, BHK+16,
Bel09, BD18, BGL+17, Cia22, CWS+21, ESGP17, GPEV20, IHy+01, IG19,
JBH20, KV13, KKKY10, KFM+17, LHC+17, MVN+15, MMKS+21,
MKs+22, Peñ03a, SChBC+22, SEG+22b, SEG22a, SAd+17, SJD10, YAK13].
warning [RAB+11, vds94c]. Warped [YKK88]. Washington
[CC5+21, FB05, HL05, HPHL+05, PHLL05, PLHLF05]. Wasp
[GAF15, FAB+09, HM06, Bak06]. wasp-waist [FAB+09, HM06, Bak06].
Water
[CDF11, GR85, HOY+21a, Kat18, KY15, KKK+04b, KTB+99, KMU+12,
LH08, MWJ+08, MTK+22, NIC+19, OJB99, PPV12, Par86, PL18,
Pgc+96, SDGVE17, Sud86, THM+06, YMK+04, ZSI+05, ZSY+22, ZPC+16,
AdAK+18, A§&+14, ABMÄS14, ABMÄS15, ALG+21, BW65, Ban06,
BNCC15, BvdLA+11, BBO+14, BMC05, BS95, BPM+14, BC88, CDS90,
CWZ+20, CSV+07, CHP98, CVHM+18, CLG+22, CMF15, CR20, DOP87,
Due77, FVA+19, FC07, FTSF21, FAAF88, dCFK17, FBT+22, FWO15, Fla02,
FLFD22, FK86, Gam14, GIPC+15, GLAHH+22, GBB66, GJ00, GTNK21,
Gri22, GCS91, GSF+15, GAPM16, HOH+03, Her88, HGH+19, HM08, HG04,
Hutt95, ISH+04, JII+19, JSM02, JG07, JAJS08, Jön07, KON14, KF11,
Kgs+08, KG65, KVL06, KTW+22, LVGH+15, LTG85, LPA02, LRNK99,
LCJ+17, LPBM17, LRG20, LRGV+18, LSW02, LDMH09, MGF+13]. water
[MG22, MRM+97, MRO+08, MEMP15, MAAS+00, MIN+20, MAFS+22,
MRW+14, MH14, MKS+22, NMM+03, NKK03, NMO+21, NAH+21, ONR+14,
OPL+21, OÜT93, PTM+22, PMG15, PPKR14, Par63, PTF10, PPCW18,
PZA+15, PPdS21, PAF+11, PRL+18, PB94, PDMS+13, RCC+18, Rea00,
RKM+07, RKK+21, RLC85, Rud89, Rud15, RKS+15, SGL+17, SCHBC+22,
San73, SCB+09, SwVRd02, GMP15, SSSL16, SMP+22b, SFAD+90,
SB+07, SWZS+21, SPH+15b, SASH08, SYN+21, SBG+08, TMN+12,
TRY+04, TAF+22, Tit20, TSF14, TVD+99, TDL+17, UNN+14, VGJ+19,
VPW01, VKT15, WH20, WCC+20, WHT86, Wen88, WLP+21, YTT+14,
YT+21, YYY+18, Yin88, YRKC08, ZD17, dZTG05, vHMDL14, BF12, Cia14,
Men21, NBR+08, SPW22, SKH00, Tom81a, YS15, ZOU+21, ZLZ+17].
Water-column [SDGVE17, SSSL16]. Water-level [CDF11, DOP87].
water-mass [YRK08]. water/sediment [CDS90, SFAD+90]. Waters
[EMU21, HMP+13, ATT+08, BSF95, BCLD+17, BCGR+18, BRH+05, BF01,
BT07, CWB+22, CB06, Cc88, CPC+02, CCA+02, CRC+19, CFD07,
CdMS+18, CTG+19, CM14b, DNNN16, Dr11, ES£+18, FMM+20, FFA09,
FTG+18, FAH+13, GVBV+21, GPA+11, GEO09, GrdS+22, HSS+12,
HBC+21, HW02, HMPZ11, ILI+12, IHT+21, IU14, KTN14, KV13, KV18,
KAC+19, LF12, LC10, LMP22, MOS+13, MH02, MGC+18, MTK+22,
MTH+10, ON22, QPR03, RKM+07, RLSF06, RLSF07, Rot65, SGL+18,
SGL+17, SCLG+11, SCHBC+22, STG+18, SCCJ+18, SSSL16, SYN+21,
TBW00, TLF+89, TlOM16, VBL+21, VKT15, VEM+21, VSPP14, WFN+22,
WWL+22, WFR07, XY21, YT06, Yao88, ZLK00, ZLO1, ZLR+07, dPHF+15].
watershed [HVRR15]. Wave
[CAI+07, CAB+18, His22, BBC+22, BBB+14, BDT+08, BSA06, CB17, FG16, GC14, HWF+21, Kra69, RFFL21, SSB14, UGY+22, VB14, XY21, vHVAT22].

wave-generated [FG16]. wave-induced [BBB+14]. wave-meandering

[SB14]. wavelet [YYhT+17]. Waves

[Hut81, WLL06, ABS+20, ArR22, BBB+21, CSLJ03, DWH+14, ESA+13, GXX+22, GCG+14, Ham09, HNSP+19, HHZ+22, Hut87, ITO+14, KWI20, Lli14, LOO22, LH08, NMD+22, PM85, Ric94, SMFM+21, TCN20, Tho77, VOT+99, VMM08, XY20, XHC+20]. way

[Bak01, BAARB05, PPPdS20]. Weak [Kiv97, BH07]. weaknesses [HS07]. weather [BDTC15]. Weathership [AEPW93]. web

[AVH+15, BHA+14, BAO+07, CP10, CPPPEAG22, CSBL+15, CFML22, DKL22, FMC+15, FG+11, GAF15, GvOSW11, Hea12, IBW+01, iIOY+10, JE92, LLL+11, LCBN14, MRA+19, MGC+18, NMC+09, OPG+10, PVG+20, Peño3a, Pow06, RMC+15, RBE+12, SBMB18, SSM90a, STRM+18, Sth+06, SHC+07, SDJ14, TNGP22, TR99, TSS+12, TF03, ZHSMM14, dJSL+20].

webs [CLSP17, CBC+06, CW06, Car98, CMF+09, CSC+12, DYO+10, DWC06, HGH+06, HNL14, LK13, MCH+12, NYL+17, PG10, SBBM18, SRT+18, WHR+06, Was06]. Weddell

[CS16, MBB+96, NRS+19, RBS+20, RBS+22, VKS+18]. weddellii

[NRS+19]. well [SBMB18, SMKK21]. well-documented [SBMB18]. West

[HIJL07, BFIH01, BBSN04, CWB+22, CBB+02, CCHM02, DHDM22, FMC+15, FDH20, HMB+86, HSH+19, Man69, MWS+10, MFA+15, MM90, RWOA01, SPW22, STR01, VSGD21, WBH15, CKL+14, GKR20, KGR+10, LW12, Med87, MFM15, MDR22, Tom81a, WWL+22, WLM07]. westerlies

[SE08, SE90]. Western

[BBM+14, CMJPH+18, Con87, EBR+14, HLTB+17, SCG+07, AMFY20, AQV+10, ALG+21, ATC+19, BSC+19, BHA+14, BE99, BSC+17, BOMdP15, BPC+05, CMF+09, CMF11, CF20, CAT+08, CLG+22, DDDT99, DSC+21, DWC06, DK07, EB+20, ELW06, EHSI12, FTC+16, FKZ+15, FK99, FMT15, GDM+20, GdRGC+14, Gri22, HHH+00, IHT+21, INT+14, JWD+02, KHD22, KAK+22a, KST03, KFH+15, KYS+17, LYM12, LG22, LSIC12, LSC+15, LBC+15, LWT+20, MT99, MRRRC3, MTC12, MAAS+00, MSA+22, Mol04, MMPG07, MNFY21, NEI+22, NMO+21, NHN+21, No96, NKK+05, NRA+21, OTN20, OOTA15, PPdM+12, PELAA18, PJJ+15, PPHK14, PHC+19, PDM+13, PLK14, QCD+07, RKS01, RBF+05, RBD+07, RCB+20, RDC+21, Rog00, SGL+18, SSH+05, SSQ+19, SAM+04, SFK+99, SAB+21, Sm93, SIS+14, SSS+17, STK01, TKS08, TT05, Tan99, TTM1+17, TSNO+05, TTM+05, UPP+21, VBV+05].

western

[WFH+22, WOW+14, WNN+99, WU13, YMA+17, YHM+18, YYK+12, YF05, ZGB+20, ZSI+05, ZJZ+21, BBS+15b, BZ+21, BLCLI4, CP08, Eri65, FGR+06, GR85, GGA+16, GGG+18, GGSM+20, HWPLxW20, HGH+19, LG25, LLX+21, MCL10, MSd+16, NCC+15, PCD+18, PRA+18, PMS+15, PF+10, RMC+15, SGLF+13, SBC+16, SAW+15, STW+15, TAB+15, TB15, VGYMM+17, VBAC+21, WOW+14, WSC+21, WYUK15, dPAJ07].
western-boundary [WWN+99]. western-Mediterranean [DDDT99].
westward [MTL05, TCN20]. wet [OAD22]. whale
[BMG+19, BMG+21a, BPSN+21, GDL+15, GC09, MHVS19]. Whales
[RSB+13, CPO+19, CQO+15, CBB+15, GVBV+21, HPB+09]. Where
[CPC88]. white [TGT09]. Whiteaves [Mar20]. whiting
[HPB+09, MAFS+22]. Whitsand [USH15b]. Whittard
[AHA+16, CHG+18, DJW+18]. Who [THBA19]. whole [MRA+19]. WHP
[KMW11]. wicked [KK10, KN11]. wide
[BM012, CMPNC+22, MPCNC+19, PKV18, SSM+18]. widely [THM+14].
wider [MEST13]. Widespread [YTB+21]. wild [WBF+21]. Will [DSAB20].
William [SSB+20b]. Wind
[CKL+14, DLM+12, OÅSG+16, OC06, Sek86, AR18, AC85, BBS21,
BCOL+19, CPC+15, CTA16, CS06, DWH+14, Dav85, Dem09, DDJ+21,
FvBA+17, HMRA+03, HGH+19, KM22, LPF+21, MS02, MH14, NNM+21,
OACA20, OPL+21, SBD01, VTGC19, WWZ15, XY20, XY21].
Wind-driven [OÅSG+16, Sek86, DDJ+21, NNM+21]. Wind-forced
[DWH+14, LPF+21]. Wind-induced [CKL+14, OC06]. wind-modulated
winds
[BBB+21, DL17, FAV+15, GW91, KAG+19, LO85, SFMT14, SNMW10].
wing [SSB14]. wing-sailing [SSB14]. wings [Ric22]. winner [VVDF14].
Winter
[ATS01, DSR21, HPIL+05, LVGH+15, MOSN+13, VOJD02a, VOJD02b,
YNTS22, AJA+22, ABS+20, AUE+14, BPC+05, BF11, FPJ+15, GHL15,
HH+17, MSd+16, MCKS17, MAFS+22, MEMC05, Rou05, TDGY22].
Winter-spring [HPIL+05]. Winter-to-winter [ATS01]. winters
[WDMC02]. wintertime [JC88, Suk88]. wishes [Val99a]. Withdrawn
[ZLG17b]. Within [MPV12, Ang84, Arb22, Car98, CdD+15, Dom84,
FMM+20, FRK+09, GDI+09, KFC+13, MCG+02, Pug84, RCS+11, RAB+84,
Roe84a, Roe84b, RB84, RT84, RST+12, WMC+89, WDC+11, WLL+22].
Within [MPV12]. without [Ric22, SPN08]. WOCE
[GBW14, GJO0, GA00, MMR+09]. WOCE-era [MMR+09]. Wollast
[JW01b, vWM02b]. wood [FBR+13, GGT+15, JZ19, RVC+13].
wood-boring [RVC+13]. work [CNT03]. Working
[Ano94k, Ano03j]. working [SWP+13b]. world
[BMO12, CBB+15, CQO+19, LCR+93, Ric22, Val99a, VBC+20, BC16, GMD+22,
ISH+04, Lev88, McK15, SAA+15, dZTG05, Ang79a]. worldwide [BMO12].
WRF [LC22]. WRF-FVCOM [LC22].

X [Hof81, Ang88]. XBT [LS20]. xiii [Ano921]. Xiphias [SYB+15, YGL+10].
Xylophaga [RVC+13].

Yangtze [ZLR+07, Wen88]. Year [MHA+11, Rud15, AT07, AUE+14,
BDB+04, BMG+21a, BPTT19, CMG15, CBB+15, DHC+20, DBC+18,
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Adrianov:2019:EUS


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Abe:2020:RSI


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