

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

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Title word cross-reference

\$142.20 [Pas21]. **3** [CGVC21, PMP⁺21]. **\$84.99** [Mea20]. **10** [MBMV20, SBF⁺21]. **2** [CCH20, ZFT20]. *mix* [XLS20]. *a* [LKP⁺20, WCSX22]. *I* [RAB21]. *r/K* [MF20].

1 [Ano20i, Ano21i, MPL⁺20]. **109165** [CVTS20a]. **109198**. [SE20a]. **15** [Ano20u, Ano21u].

2 [CSZY⁺20, Cor20, MLP⁺20]. **2.0** [KMH⁺21]. **2020** [Ano20i, Ano20u]. **2021** [Ano21i, Ano21u]. **2022** [Ano22a, Ano22h, Ano22i, Ano22k, Ano22l]. **21st** [YCK20].

3 [Mea20, NYH20, XLS20]. **3-PG** [NYH20, XLS20]. **359** [BS20].

4 [Pas21]. **431** [CVTS20a, SE20a]. **443** [BdBG⁺21b].

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

ABACUS [ACZ+21]. **abalone** [DLZ+21]. **Abatus** [APGD+21]. **Ability** [EHS+20]. **abiotic** [DAB+20]. **above** [MK21]. **aboveground** [HLH+21, MMdP+21]. **absence** [CIL+20]. **abstract** [SvV21]. **abundance** [PSM22, SWF21, WWP20, YCI20]. **Acadian** [SLLW21]. **accelerated** [ABH+20]. **acceleration** [KDC+21]. **accelerometers** [DBH+22]. **acclimation** [TMNA20]. **according** [MOS21]. **Accounting** [JS22, BARF20, BDA+20, MBFS21]. **accumulation** [BRBT22]. **accuracy** [GWH20, MVAD20, WHdBB21, YCI20]. **achieve** [VRW+21]. **acid** [BPL+20]. **acidification** [RRCZ20]. **acoustic** [GSH+22, LDR+20]. **across** [ATP20, ASL+20, EHS+20, EVT+21, GCS+21, LPHO+20, MKS21, MF20, RFJ+22]. **action** [SRÁMH+20]. **active** [VMM+21]. **activity** [ABH+20, CDB+20]. **adapt** [CN20]. **adaptation** [RMK21]. **Adapting** [ERP21, OTR+21]. **Adaptive** [JST+22, SGPSzC22]. **adding** [MVAD20]. **addition** [SMM+22, ZMF+20]. **additive** [CIL+20, MEPJ21]. **adjacent** [CAFT22]. **ADM1** [PFM+21]. **adsorption** [MTT22]. **Aedes** [HLB+20, VMM+21]. **aerial** [DP20]. **aestivum** [GGS+22]. **affect** [CLPZ20, PNGESS21]. **affected** [LSS+21]. **affecting** [LDXJ22, YG21, ZYM+21]. **affects** [Che22, GZW+20, WZWF20]. **Afforestation** [WXT+20]. **Africa** [MDB+20]. **African** [DDG+21, WMA21]. **africana** [DDG+21]. **Agadir** [RKN+21]. **age** [MMC+21, RRS21, XFK21]. **Agent** [BdBG+21a, CNNS+21, GGMR20, NMC+20, PR21, AGS+21, BGK+20, CDNN+20, CSMP21, DDG+21, DBN+22, EBMK20, HBC+22, JBF22, LL22, LZW20, MSLMM22, PBS21, STQ+22, VVH+20, ZMG+21, BdBG+21b]. **agent-** [VVH+20]. **Agent-based** [BdBG+21a, CNNS+21, GGMR20, NMC+20, PR21, AGS+21, BGK+20, CDNN+20, CSMP21, DDG+21, DBN+22, EBMK20, HBC+22, LL22, LZW20, MSLMM22, PBS21, STQ+22, ZMG+21, BdBG+21b]. **AgentSeal** [CNNS+21]. **ages** [Jia21]. **aggregate** [JSD+22]. **Agricultural** [Pas21, PHL20, RGD20, MAD+20, MEGA21, MGdM+20, MTT22, NBMD21, TLC+22, TCS21, TK20b, USA21, VBH20, YG21]. **agriculture** [LPA+21, SLY+21]. **agro** [KMH+21, TBCV22]. **agro-ecosystem** [TBCV22]. **agro-food** [KMH+21]. **Agroecological** [KKP+21, MAD+20]. **agroecosystem** [BMRF21]. **agronomic** [BCM20]. **aimed** [CM21, Yao21]. **air** [CZ21, FWK+20, LBB20, SBF+21]. **Alaska** [WA20]. **albacares** [DPC20]. **albopictus** [HLB+20, VMM+21]. **Alewife** [NGA+20]. **algae** [KNP+21, KBAC20]. **Algal** [XZZ+22, BS21, DVVH21, KDH+21, KSJ22, PTG+20, ZGG22, ZWZ+20]. **algorithm** [Gat21]. **algorithmic** [dSMPA+22]. **algorithms** [SDH21, ZMF+20]. **alien** [SBS+20, SBS+21]. **Allee** [VBH20]. **allocation** [ABRG21, LBS20]. **Allometry** [Abe20]. **along** [BMS+20, LBGD21, LM21, PA20, SGTS21]. **Alosa** [NGA+20]. **alpine**

[ALS⁺21, LGFT⁺20]. **altered** [GRCSA⁺20, KNP⁺21, LM21]. **alternative** [PTBFP⁺20]. **alternatives** [Koo20b]. **altissima** [dOPdMdS⁺21]. **altricial** [CC20]. **always** [GAC⁺21]. **Amazon** [dOPdMdS⁺21]. **Amblyseius** [TCG⁺20]. **American** [ARSC22]. **Ammospiza** [HBP⁺21]. **among** [ABM20, LLZM20, Oku21]. **amount** [DL21]. **analogues** [PR21]. **analyses** [BGCJ21, SC21]. **analysing** [Jag20]. **Analysis** [CP20, USA21, AG22, AHO⁺20, AAC20, BPB⁺20, BBSHC22, BLSR⁺20, CWF⁺21, CGVC21, DPA21, ESCA22, HEL⁺21, HLM⁺20, KUK⁺21, LL22, LLZM20, LDZ21, LLW⁺21, MMRBLN20, NDNN22, OFH⁺20, PMZ⁺21, PFM⁺21, PPSS22, SQDM21, SDSF⁺21, TK20a, TK20b, WWC⁺22, WCF⁺22, Yao21, ZWL⁺21, ZZWF21, vDC20]. **Analyzing** [RBEC21, SGPSzC22]. **Angelica** [ZWL⁺21]. **animal** [Ano20-50, BVR⁺20, CDNN⁺20, DBH⁺22, JVGC21, KLA⁺20, MKS21, WMA21]. **animal-borne** [DBH⁺22]. **ANN** [LNK⁺21]. **Announcing** [Fat21]. **antagonistic** [LBL22, YL22]. **Antarctic** [BMB21, GSM⁺20]. **Anthropocene** [SMP20]. **Apex** [PR21, AJG22]. **aphid** [BPW⁺21]. **Apis** [JSL⁺20]. **Apostle** [SOV21]. **App** [dSMPA⁺22]. **Application** [AG22, JB22, LCP⁺20, MDB⁺20, RWF22, SRB⁺20, YHC⁺21, YCI20, AM22, AACCIS20, CH22, DP20, JZJ⁺20, MKR20, MEGA21, OCS⁺21, RJY⁺20, RRS21, WYJ⁺22, vVDC20, MTP⁺20]. **applications** [BAR20, DGSM21, GRS⁺20, MBMV20, PPSS22, YRK⁺20]. **applied** [KABL21, NMGFOB21]. **applying** [BVR⁺20, RAB21]. **Approach** [JZS⁺21, LB21, BLB⁺20, CB20, CMS⁺21, DPA21, DSC⁺21, DPC20, GHbS21, GZK⁺20, HBP⁺21, HKB⁺20, ILLM20, Kos22, LG20, LL22, LL21, LJ21, dSMPA⁺22, MDP21, MVC⁺22, NA22, RK20, RBMRR20, RLdM20, SBS⁺21, SRÁMH⁺20, SLYL⁺20, SCB⁺20, SRTS20, SWF21, SKH⁺20, SZL⁺20, TSdOCV21, WBD⁺22b]. **approaches** [HPMB20, LBB20, RBEH21]. **approaching** [PDG⁺20]. **April** [Ano20a, Ano20m, Ano21a, Ano21m, Ano22a]. **APSIM** [EHS⁺20, OHH⁺21]. **APSIM-Potato** [OHH⁺21]. **Aquaculture** [VLGG⁺20, FMH⁺20, GLA⁺20, WT20, YRK⁺20]. **aquatic** [ADR21, LYC⁺21, NKT⁺20, OKS⁺21, RBEH21, SKH⁺20, Yao21]. **aquatic-terrestrial** [OKS⁺21]. **aqueous** [MTT22]. **arable** [HSP⁺22]. **Area** [WXT⁺20, DHW⁺20, GJC⁺20, JS22, LLW⁺21, MZLRSZ21, OBFH22, RPT21, SBF⁺21, SRK⁺20, VPV21, WWC⁺22, MTP⁺20, RGD20]. **areas** [AXMJ22, ALS⁺21, GCS⁺21, MRR⁺20, VRW⁺21]. **Argentina** [AZMD⁺22]. **arid** [FS22, GLK⁺22, NWO21, RSASP22]. **armed** [Gat21]. **Arrhenius** [MBMV20]. **Artemia** [KDC⁺21]. **Artemisia** [SZL⁺21]. **arthropod** [VMM⁺21]. **article** [Fat21]. **artificial** [BLB⁺20, MS20]. **ascendency** [LZSQ20]. **Assembling** [CdCAC⁺20]. **assembly** [QZSV21]. **assess** [CMS⁺21, FDSM20, JSL⁺20, LGFT⁺20]. **assessed** [BPL⁺20]. **Assessing** [BARF20, OHH⁺21, SCB⁺20, TCS21, WA20, DBK20, DBDR22, JSD⁺22, MM21]. **Assessment** [BZZT22, GRCSA⁺20, ILLM20, ACZ⁺21, EOÖ21, LBI⁺20, LLW⁺21, LCMB21, MBFS21, OZSU22, RSASP22, SLY⁺21, TBCV22, TWL⁺22, TKO⁺22, VPAV22, Yao21, ZYM⁺21]. **assessments**

[CB20]. **assisted** [MKEH20]. **association** [PPSS22]. **associations** [KCS22]. **Athias** [TCG⁺20]. **Athias-Henriot** [TCG⁺20]. **Atlantic** [RKN⁺21]. **Atlantis** [BLSR⁺20]. **atmosphere** [BLB⁺20, KKP⁺21]. **attentional** [vWVH20]. **audience** [CVTS20a, CVTS20b]. **augmented** [LAK20]. **August** [Ano20b, Ano20n, Ano21b, Ano21n]. **Australia** [CH22]. **australis** [YXY⁺20]. **author** [CYP⁺20]. **automata** [JB22, LZW20, SLC⁺20]. **Automatic** [LKP⁺20]. **automaton** [YXY⁺20]. **availability** [BLLL21, JS22, NWO21, VVH⁺20, WSN⁺21]. **Available** [RBVL⁺20]. **averaged** [Che21, HMC20]. **avian** [WSN⁺21]. **Avicennia** [LK20]. **avifauna** [ADR21].

B [DWH⁺21]. **backed** [vdMvDSL20]. **background** [RPT21]. **Baetidae** [KFJS20]. **baited** [KCHZ21]. **balance** [HCP⁺20, LGA20, RPARM20, ZFT20]. **balanced** [YL22]. **Balearic** [EWE20]. **Baltic** [BNN20, BNAR⁺21, SRK⁺20]. **bamboo** [ZCJ⁺20]. **bandit** [Gat21]. **bank** [BGR20, LKO20]. **bar** [Tsy22]. **Barcelona** [MTP⁺20]. **bargaining** [SACE⁺20]. **barnyardgrass** [MVC⁺22]. **Barro** [FG21]. **Based** [LB21, Por21, ASHK22, AGS⁺21, AHO⁺20, APGD⁺21, AAC20, BPN⁺20, BGS⁺20, BGK⁺20, BdBG⁺21a, BM21, CVTS20a, CVTS20b, CDB⁺20, CDNN⁺20, CNNS⁺21, CGVC21, CSMP21, CLG20, DPA21, DSC⁺21, DDG⁺21, DBN⁺22, DAB⁺20, DWG22, DWH⁺21, ESCA22, EWE20, EBMK20, EV22, GGMR20, GRCSA⁺20, GSRB22, HLB⁺20, HBC⁺22, HEL⁺21, HCPG20, HFP20, HFP22, KTB⁺21, KUK⁺21, LGFT⁺20, LL22, LZSQ20, LBI⁺20, LDZ21, LJP⁺22, LZW20, LCW⁺21, LLW⁺21, MSG21a, MKS21, MRR⁺20, Mea20, MSLMM22, MPCG21, MM21, NWO21, NS20, NMC⁺20, OKS⁺21, PR21, PFM⁺21, PBS21, PMP⁺21, RPG20, RFJ⁺22, RBMRR20, STQ⁺22, SLY⁺21, SZ20, SPV⁺21, TWL⁺22, VVH⁺20, WBW⁺20, WRC21, WGAH22, WBD⁺22a, WKL⁺21, ZMG⁺21, ZMS20, ZZWF21, ZPZ⁺22, BdBG⁺21b, RRS21, ZYM⁺21, Mea20]. **BASGRA.N** [HCP⁺20]. **basin** [RSASP22]. **basis** [JZS⁺21, KLA⁺20]. **bass** [LBI⁺20, WBW⁺20, WBD⁺22a]. **Bay** [SZL⁺20, DHW⁺20, FMH⁺20, HML⁺22, HSD⁺21]. **bayesian** [GZK⁺20, CB20, GML⁺20, HEL⁺21, KDH⁺21, SDH21, TDI⁺20, WBD⁺22b, ZWL⁺21, ZS20]. **bayesian-network** [GZK⁺20]. **bays** [BRBT22]. **beachrock** [SGP⁺20]. **bear** [GCS⁺21]. **beech** [LhNA⁺21, LhNA⁺22]. **behavior** [DAB⁺20, EWE20, JB22, KCHZ21, LCP⁺20, LJP⁺22]. **behavioral** [DBH⁺22, MBB20]. **behaviors** [GSH⁺22]. **behaviour** [LHDBN20]. **behaviours** [JVGC21]. **behind** [DPC20]. **Beijing** [LZF21]. **Beijing-Tianjin-Hebei** [LZF21]. **being** [YPS⁺21]. **below** [MK21]. **belowground** [BPN⁺20]. **benefits** [CTL22]. **Benthic** [WLLW20, SBS⁺21, SINS22, TRMB20]. **Benthic-pelagic** [WLLW20, SINS22]. **Bernard** [PVS⁺21]. **best** [CSMP21, VPV21]. **better** [DAQ20]. **between** [AS22, AM21, BAR20, BLB⁺20, CZ21, DSC⁺21, GSM⁺20, KKP⁺21,

LRA⁺20, LGA⁺21, PPSS22, RP22, SLLW21, Vas20, WZHP21, YD20, ZSS21].
Beyond [MBMV20]. **Bhutan** [CNSK21]. **bias** [RGD⁺22]. **biased**
 [BLP20, JMM⁺20]. **Bifurcation** [SQDM21, NDNN22]. **bighorn** [DGSM21].
Bilberry [ML20]. **bioaccumulation** [GMM20, MLP⁺20, MPL⁺20].
bioactive [LBI⁺20]. **BioBaM** [KMH⁺21]. **BioBaM-GHG** [KMH⁺21].
biochar [SMM⁺22]. **bioclimatic** [BRC⁺21]. **biocontrol**
 [ABC⁺22, CH22, JBF22]. **biodiversity**
 [BRC⁺21, CBW22, DSC⁺21, DWG22, DLT⁺22, GAM20, LG20, MGdM⁺20,
 MBD⁺22, PNGESS21, TCS21]. **bioenergetics**
 [DHW⁺20, HMVR21, HML⁺22]. **bioenergy** [ESCA22, LG20, MEGA21].
bioenergy-driven [LG20]. **Biogeochemical**
 [SMP20, BPL⁺20, NBML21, SGTS21, Tsy22]. **biogeography** [ERP21].
Biological [BMRF21, BPW⁺21, FMH⁺20, LRA⁺20, MBMV20, SvV21,
 SE21, TCG⁺20, XLS20]. **biomass** [ABRG21, AG22, ACZ⁺21, ERP21,
 HLH⁺21, LYC⁺21, LCLG20, MMdP⁺21, MBS22, RWF22, SRB⁺20, ZZŠ⁺22].
biome [DDDC21]. **biophysical** [GML⁺20, TK20b]. **bioremediation**
 [GLA⁺20]. **biosphere** [FMSR20]. **biotic** [DAB⁺20, GSJC22]. **biovolume**
 [DAQ20]. **biphasic** [CMG20]. **bird** [ASL⁺20]. **birds** [CC20, GAC⁺21].
Biscay [DHW⁺20]. **bivalve** [FMH⁺20, HMGK20]. **black**
 [LK20, vdMvDSL20]. **black-backed** [vdMvDSL20]. **blight** [HEL⁺21].
bloom [BS21, HMC20, KSJ22, PTG⁺20, SINS22, XZZ⁺22]. **blooms**
 [DVVH21, ZGG22, ZWZ⁺20]. **boar** [LP22]. **Board**
 [Ano20y, Ano20z, Ano20-27, Ano20-28, Ano20-29, Ano20-30, Ano20-31,
 Ano20-32, Ano20-33, Ano20-34, Ano20-35, Ano20-36, Ano20-37, Ano20-38,
 Ano20-39, Ano20-40, Ano20-41, Ano20-42, Ano20-43, Ano20-44, Ano20-45,
 Ano20-46, Ano20-47, Ano20-48, Ano21y, Ano21z, Ano21-27, Ano21-28,
 Ano21-29, Ano21-30, Ano21-31, Ano21-32, Ano21-33, Ano21-34, Ano21-35,
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 Ano21-43, Ano21-44, Ano21-45, Ano21-46, Ano21-47, Ano21-48, Ano22b,
 Ano22c, Ano22d, Ano22e, Ano22f, Ano22g]. **Bogota** [RBEC21]. **Bohai**
 [GSJ⁺20, YD20]. **bollworm** [WXH⁺22]. **boosted** [DBN⁺22, YCI20]. **boreal**
 [HLH⁺21, LPS⁺21, ML20]. **borer** [BMRF21]. **borer-parasitoid** [BMRF21].
borne [AV22, DBH⁺22, WGK⁺21]. **botrana**
 [AZMD⁺22, CdCAC⁺20, PSM22]. **bottom** [vdHNNH⁺20]. **BOUKHALEF**
 [JB22]. **boundaries** [ZYK22]. **boundary** [SvV21]. **bounds** [LKO20]. **box**
 [LGG⁺22, PGB⁺20, SBR20]. **box-model** [PGB⁺20]. **boxwood** [LGG⁺22].
branch [KLS20]. **Bray** [RP22]. **Brazil** [MRR⁺20, OBFH22]. **Brazilian**
 [MMdP⁺21]. **breeding** [GAC⁺21, RM20]. **Brian** [Des21]. **Bridging**
 [BMS⁺20, CSBS21, RP22]. **broad** [ASL⁺20, CVTS20a, CVTS20b]. **brown**
 [LG20, NDNN22, RWF22]. **Brucella** [LGFT⁺20]. **Bt** [WXH⁺22]. **budburst**
 [PGdAM⁺20]. **Budget** [FCP⁺20, GLA⁺20, LFN⁺20, VLGg⁺20,
 vdMvDSL20, CDB⁺20, DLZ⁺21, HMGK20, KD20, Koo20b, LAK20, MKS21,
 RPG20, RJY⁺20, RRCZ20, VVH⁺20, YRK⁺20, DPC20]. **budget-based**
 [VVH⁺20]. **budget-individual** [CDB⁺20]. **budgets** [PDG⁺20]. **Building**

[GZW⁺20, JLH⁺21]. **bumblebees** [CDNN⁺20]. **Bunda** [MDP21]. **BZI** [SDP21].

cadmium [GMM20]. **cage** [ABC⁺22]. **Calanus** [BVM⁺21]. **calculation** [RBMRR20]. **Calibration** [PFM⁺21, HEL⁺21, JS22, LKP⁺20, LPHO⁺20, MPL⁺20, OFH⁺20, SDH21]. **Cambodia** [TKO⁺22]. **CaMP** [BST⁺20]. **CAMPUS** [FSZ⁺20, FZS⁺20]. **CAMPUS-S** [FSZ⁺20, FZS⁺20]. **Can** [GSM⁺20, KN20, LGG⁺22, LKPK22, MVAD20]. **Canadian** [BST⁺20]. **canopies** [PNGESS21, PMP⁺21]. **canopy** [CGVC21, KBAC20, MK21]. **canyons** [GZW⁺20]. **capacity** [HP20, PGB⁺20, TWL⁺22, YD20]. **Cape** [MDB⁺20, HBP⁺21]. **capital** [BARF20, BDA⁺20, TBCV22]. **capture** [GZW⁺20]. **Carapa** [dOPdMdS⁺21]. **Carbon** [GZW⁺20, BKTm20, BST⁺20, BLB⁺20, CM21, CLG20, FSZ⁺20, FZS⁺20, HLM⁺20, JLV⁺21, KKP⁺21, KKPR20, LSS⁺21, MSG⁺21b, NKT⁺20, PZH⁺21, PGS⁺20, SPPC21, XLS20, ZFT20]. **carbon-nitrogen-water** [PGSL⁺20]. **Caretta** [MZLRSZ21]. **caribou** [SDD⁺20]. **Carlo** [SDH21]. **carnivore** [PBS21]. **Carnosaurs** [PR21]. **carrying** [GJC⁺20, HP20, PGB⁺20, TWL⁺22, YD20]. **cascade** [DYW⁺22]. **cascades** [BNN20]. **Case** [OBFH22, SPPC21, ZLML20, BH21, BGK⁺20, BARF20, CL21, ETAAH21, GRGHM21, GSJ⁺20, HNC⁺21, LZSQ20, LDZ21, LPA⁺21, LCMB21, MS20, Men22, MVC⁺22, OHH⁺21, PSM22, PTNR⁺20, RFJ⁺22, RKN⁺21, RGD20, RAB21, SZL⁺20, TLH⁺20, VMM⁺21, WBD⁺22b, ZWL⁺21, PMP⁺21]. **catch** [LCMB21]. **catch-at-length** [LCMB21]. **catchment** [BPL⁺20]. **cattle** [CPAT20]. **causes** [NGA⁺20, RM20]. **causing** [EBMK20]. **Cautions** [ZFP21]. **Cautious** [MOS21]. **Cd** [MTT22]. **cell** [OSH⁺21]. **cellular** [JB22, LZW20, SLC⁺20, YXY⁺20]. **Central** [RSC⁺21, CNNS⁺21, LZF21, MLL20, CCH20, DSC⁺21, Pre22, ZFT20]. **central-place** [CNNS⁺21]. **century** [YCK20]. **certain** [LKO20]. **Chagas** [EBMK20]. **chalcographus** [OFH⁺20]. **Challenges** [AGS⁺21, LSG21]. **change** [BNAR⁺21, CNSK21, CMS⁺21, FS22, HLH⁺21, LBGD21, LSS⁺21, MBD⁺22, NGA⁺20, NYH20, RSASP22, RBVL⁺20, SMD⁺20, SMV⁺20, TKO⁺22, WMA21, XLS20, YCK20, YPS⁺21]. **change.Part** [MLP⁺20, MPL⁺20]. **Changes** [AACCIS20, BS21, MSG⁺21b, NYH20, CL21, FAC22, LLW⁺21, MMdP⁺21, SBS⁺20, WWC⁺22, WSFZ21, YPS⁺21, ZFT20]. **changing** [APGD⁺21, CN20, HSF⁺20, HCX⁺21, OBFH22, TMNA20, TCS21, WSN⁺21]. **Channel** [DHW⁺20]. **chaotic** [BMRF21]. **CHAPY** [OFH⁺20]. **characteristics** [AAC20, LZF21, MBS22]. **characterizations** [HMDO20]. **characterize** [OTR⁺21]. **Characterizing** [dAdSCA20]. **cheating** [LL22]. **Chelonia** [SMV⁺20]. **chemicals** [LBI⁺20]. **Chernobyl** [VSK⁺20]. **Chesapeake** [HSD⁺21]. **chicken** [FC21]. **chicks** [vdMvDSL20]. **China** [CL21, GJC⁺20, GSJ⁺20, HLH⁺21, LZSQ20, LPHO⁺20, LZF21, PZH⁺21,

SZL⁺²¹, SRB⁺²⁰, SZL⁺²⁰, SML⁺²⁰, TLH⁺²⁰, WWC⁺²², WXH⁺²², XLS20, YD20, ZSS21, ZZW⁺²², ZLML20]. **chinensis** [YRK⁺²⁰]. **Chinese** [CZ21]. **Chinook** [BLLL21, HP20, MBB20]. **chlorophyll** [LKP⁺²⁰, WCSX22]. **choice** [CSMP21]. **Chondrichthyes** [RSC⁺²¹]. **chromosome** [BPB⁺²⁰]. **chronic** [BGK⁺²⁰]. **circulation** [KiAM⁺²⁰]. **CiteSpace** [ZZWF21]. **cities** [LZF21, MKR20, YD20]. **citizen** [EMH⁺²², JMM⁺²⁰, LJRM⁺²⁰, VMH⁺²¹]. **City** [SBF⁺²¹, RPARM20]. **Cladophora** [KBAC20]. **Clair** [MSL⁺²¹]. **classified** [dVDC20]. **Clay** [KFJS20, MTT22]. **climate** [BS20, BNAR⁺²¹, CNSK21, CMS⁺²¹, CN20, FS22, HMC20, HLH⁺²¹, JST⁺²², KNP⁺²¹, LK20, LBGD21, MMdP⁺²¹, MBD⁺²², NYH20, OBFH22, RSASP22, RBVL⁺²⁰, SMD⁺²⁰, SMV⁺²⁰, TCS21, TKO⁺²², WKL⁺²¹, XLS20, YCK20, ZZŠ⁺²², ZRMW⁺²⁰]. **climates** [BPW⁺²¹, JS22]. **clone** [AXMJ22]. **CMEMS** [ACZ⁺²¹]. **CMIP5** [ZFT20]. **co** [DAG⁺²¹, Kos22, KKPR20, ZFT20]. **co-existing** [Kos22]. **co-harvest** [DAG⁺²¹]. **coast** [BWS⁺²⁰, HMVR21, RKN⁺²¹]. **coastal** [BRBT22, MKEH20, OTR⁺²¹, OBFH22, PZH⁺²¹, SBF⁺²¹, SRK⁺²⁰, TWL⁺²², WCSX22]. **coasts** [OTR⁺²¹]. **code** [MTT22]. **coefficient** [MBMV20]. **Coefficients** [PPSS22]. **coexistence** [AM21, CKC20, LGG⁺²², YL22]. **coextinction** [BANG20]. **coffee** [KTB⁺²¹]. **cohort** [KK20]. **cold** [PA20]. **collaborative** [BJKT21]. **Cololabis** [KiAM⁺²⁰]. **Colombia** [RBEC21]. **colonization** [SKH⁺²⁰]. **Colorado** [FG21]. **Columbia** [MBB20]. **combination** [HPMB20]. **combinatorial** [HBC⁺²²]. **Combined** [WKL⁺²¹, LBGD21, TKO⁺²²]. **Combining** [BVR⁺²⁰, CDNN⁺²⁰, ZMS20, WWP20]. **commensal** [JBF22]. **Comment** [CYP⁺²⁰]. **Comments** [CCJK⁺²⁰]. **commercial** [WBW⁺²⁰]. **common** [CDB⁺²⁰, MLP⁺²⁰, MPL⁺²⁰, YXY⁺²⁰]. **communities** [CSMP21, KCS22, YL22]. **community** [CWF⁺²¹, Che22, For20, LDZ21, LSL21, MGHT20, MPCG21, SOV21, SDSP⁺²¹, WCF⁺²², YXH20, YEL⁺²¹, ZMS20, LL22]. **compactness** [ZYK22]. **COMPADRE** [TK20a]. **Comparative** [EOÖ21, TCG⁺²⁰, Koo20a]. **compare** [CAB⁺²¹]. **Comparing** [ALK20, SRTS20, WT20, GAM20]. **Comparison** [GLK⁺²², ZMF⁺²⁰, SDH21, TSdOCV21, WGAH22]. **compartment** [KWG⁺²²]. **compensation** [BANG20]. **Competing** [PBH22]. **competition** [AM21, BPN⁺²⁰, NMGFOB21, Pre22, RPG20, RMK21, WSN⁺²¹]. **Competitive** [GSRB22, MYH⁺²⁰]. **complex** [AGS⁺²¹, BP21, BNN20, BLSR⁺²⁰, CGVC21, EHS⁺²⁰, KCS22, RBMRR20, SGPSzC22, SLLW21, SBR20, TK20b]. **complexity** [BA20, SBS⁺²¹, VRS20, WTT⁺²¹]. **composition** [HES⁺²⁰, HLH⁺²¹, SHT21]. **computational** [CMS⁺²¹, MDP21, GCSIR22]. **Computer** [MTT22, CGVC21]. **computing** [GSJC22]. **concentration** [BH20, KDC⁺²¹]. **concentrations** [EOÖ21]. **concept** [BRBT22, DP20, SBM⁺²²]. **conceptual** [AMK21, BA20, CSBS21]. **conceptualization** [PGP⁺²²]. **concinna** [GSM⁺²⁰]. **conclusions** [ML20].

concolor [CB20]. **concurrently** [WXH⁺22]. **conditions** [AZMD⁺22, AS22, APGD⁺21, GGMR20, KCHZ21, LDXJ22, MLP⁺20, MPL⁺20, PYD⁺21a, PYD⁺21b, SE21, WBD⁺22b]. **Conducting** [LGA20]. **confidence** [BLSR⁺20]. **configuration** [OHH⁺21]. **configurations** [RWF22]. **congeners** [Kos22]. **Connectivity** [DLT⁺22, AGP20, SKH⁺20, TA20]. **Consequences** [AVRC⁺20, Pre22]. **conservation** [BMS⁺20, DSC⁺21, DWG22, GHbS21, HMGK20, HPMB20, LRA⁺20, MGdM⁺20, RBEC21, SACE⁺20, TCS21, VBH20, ZYK22]. **Conserving** [XCH⁺21]. **consider** [MPL⁺20]. **considerations** [DMPLHGL20]. **Considering** [OTR⁺21, BANG20, NKT⁺20]. **consistent** [Gri20, LPHO⁺20]. **conspecific** [WZHP21]. **constrained** [CIL⁺20]. **constraints** [MVAD20, YEL⁺21]. **construction** [CCJK⁺20]. **consumer** [CKC20]. **consumption** [CZ21, HBC⁺22]. **contamination** [LLW⁺21, MLP⁺20]. **content** [BPK⁺20, SPV⁺20]. **context** [DGSM21, MLP⁺20, MPL⁺20, PGB⁺20, RPG20, VVH⁺20, VSK⁺20]. **context-dependent** [DGSM21]. **contexts** [KCS22, MVC⁺22]. **continuum** [MF20]. **contrasting** [EHS⁺20]. **contribute** [VPV21]. **contributing** [PYD⁺21a, PYD⁺21b]. **Contribution** [DHW⁺20, AGP20, FSZ⁺20, FZS⁺20, MYH⁺20, TLC⁺22]. **contributions** [vDC20]. **control** [BPW⁺21, BPB⁺20, BMRF21, BCMV20, CAB⁺21, HLB⁺20, KSJ22, LRA⁺20, RBMRR20, SE21, SRK⁺20, TCG⁺20]. **control-based** [RBMRR20]. **controlling** [BLB⁺20]. **Controls** [MBS22, KDH⁺21, MBB20]. **conventional** [MAD⁺20, TSdOCV21]. **convergence** [LMNV20]. **Converging** [LBB20]. **conversion** [dMFOM⁺20]. **converting** [ZA20]. **Convolutional** [JVGC21]. **cool** [TDI⁺20]. **cool-temperate** [TDI⁺20]. **cooperation** [Gat21]. **cooperative** [GAC⁺21]. **coops** [FC21]. **coordination** [YD20, ZSS21]. **copepod** [KD20]. **coral** [CN20, GGMR20]. **cordatus** [APGD⁺21]. **Cordyceps** [CNSK21]. **core** [ALS⁺21, TLH⁺20]. **Coro** [CYP⁺20]. **Coronavirus** [Gat20, CYP⁺20, Cor20]. **Correcting** [RGD⁺22]. **correlation** [WZHP21]. **correlative** [SACEU⁺21, TSdOCV21]. **Corrigendum** [BdBG⁺21b, BS20, CVTS20a, LhNA⁺22, PYD⁺21a, SE20a]. **coryi** [CB20]. **cost** [CZ21, HCPG20]. **cost-effectiveness** [HCPG20]. **Costa** [AHO⁺20]. **Costing** [HPMB20]. **cotton** [WXH⁺22]. **count** [RCSS20]. **counts** [WWP20]. **Coupled** [WXT⁺20, DVVH21, FMH⁺20, KCS22, MTT22, SINS22, WG21]. **Coupling** [YHC⁺21, WLLW20, YXY⁺20, ZSS21]. **CoV** [CYP⁺20, Cor20]. **cover** [DCT⁺21, LSS⁺21, SCH⁺21, WWC⁺22, YCK20]. **cowberry** [ML20]. **Cr** [MTT22]. **crab** [YFW⁺21]. **crane** [NBMD21]. **created** [SBS⁺21]. **Creek** [KFJS20]. **Criteria** [USA21, MAN⁺20]. **Critical** [TA20, ABM20]. **critically** [HMGK20]. **croaker** [RJY⁺20]. **crop** [CGVC21, DCT⁺21, HBC⁺22, JPL21, MVC⁺22, OHH⁺21, WYJ⁺22]. **crop-weed** [CGVC21, MVC⁺22]. **cropland** [HCX⁺21, ZYK22]. **cropping** [DDH⁺22]. **crops** [CAFT22]. **cross** [WHdBB21]. **cross-validation** [WHdBB21]. **crossroad** [BAR20]. **cruzi** [EBMK20]. **cryptic** [BVR⁺20]. **Cu**

[MTT22]. **cucumber** [TCG⁺20]. **culling** [CAB⁺21]. **culture** [DMPLHGL20, FDSM20, SZL⁺20]. **cultures** [PGB⁺20]. **cumulative** [LPL22]. **currency** [CDB⁺20]. **current** [JZS⁺21, LHDBN20]. **Curricular** [Por21]. **Curtis** [RP22]. **curve** [LMNV20]. **curves** [BBSHC22, LGA⁺21, SDP21]. **cutaneous** [ZMG⁺21]. **Cuyo** [AZMD⁺22]. **cyanobacteria** [GSRB22, LCLG20]. **cyanoFilter** [OSH⁺21]. **cycle** [BPL⁺20, BP21, NGA⁺20, SLYL⁺20, SGPSzC22, SINS22]. **cycling** [BKTM20, FWK⁺20, SLB20b, SMP20]. **cytometry** [OSH⁺21].

D [Des21, CGVC21, PMP⁺21]. **DAESim** [TBCV22]. **damsel fish** [GGMR20]. **Data** [AVRC⁺20, AMK21, ATP20, AG22, ALK20, BS20, BBSHC22, BVR⁺20, EMH⁺22, GCSIR22, GCS⁺21, GML⁺20, ILLM20, IBB⁺21, Jag20, JVGC21, JMM⁺20, KD20, KUK⁺21, LDC⁺20, LJP⁺22, LKPK22, NGE⁺21, OSH⁺21, OW20, PSM22, PRdN⁺20, PPH⁺21, RBVL⁺20, TSdOCV21, VMH⁺21, ZWL⁺21]. **data-sparse** [AMK21]. **Database** [TK20a]. **dataset** [LJRM⁺20, LKPK22]. **date** [JPL21]. **DayCent** [DDH⁺22]. **Dealing** [BVR⁺20, MVAD20]. **DEB** [AVRC⁺20, GSM⁺20, KK20, MPL⁺20, SLYL⁺20]. **DEB-structured** [KK20]. **DEB-tox** [AVRC⁺20]. **DEBtox** [Jag20]. **decadal** [IBB⁺21]. **decay** [AB21]. **December** [Ano20c, Ano20o, Ano21c, Ano21o]. **deciduous** [SPPC21]. **Decision** [LZW20, NGE⁺21, USA21, BVR⁺20, GZK⁺20, JST⁺22, PGP⁺22, PBS21]. **decision-making** [BVR⁺20, GZK⁺20, JST⁺22, PBS21]. **Decision-Support** [LZW20, PGP⁺22]. **decisions** [CDNN⁺20]. **decline** [LG20, RM20]. **Decoding** [HNC⁺21]. **decomposer** [KKP⁺21]. **decomposition** [CCH20]. **Deconstructing** [WGK⁺21]. **deep** [CCH20, EOÖ21, WCSX22]. **deer** [BGK⁺20, VRW⁺21]. **Defaunation** [MMdP⁺21]. **defence** [RTH⁺21]. **defence-reproduction** [RTH⁺21]. **deficient** [CAFT22, YXH20]. **defines** [ZGG22]. **deforestation** [ZZW⁺22]. **degradation** [AMK21]. **degraded** [ESCA22]. **degree** [ZSS21]. **Delay** [RCSS20]. **Delimitation** [ZYK22]. **Delta** [CL21]. **demand** [MRR⁺20, MGdM⁺20]. **demanding** [TSdOCV21]. **demersal** [RSC⁺21]. **Demographic** [PTBFP⁺20, ABC⁺22, CP20, PSM22]. **density** [CKC20, VRW⁺21, WRC21, dVDC20]. **density-dependent** [dVDC20]. **dependence** [WRC21]. **dependent** [CTL22, DGSM21, HML⁺22, NGE⁺21, PGdAM⁺20, RWF22, ZSS20, dVDC20]. **deposition** [BPL⁺20, RLdM20]. **derived** [OW20]. **describe** [HFP20, RCSS20, RRS21]. **Describing** [BPN⁺20, BWS⁺20, CNNS⁺21]. **Description** [RRS21, FSZ⁺20]. **desert** [ZMS20]. **deserts** [BP21]. **design** [CWH⁺21, MAD⁺20, Tur20]. **details** [WTT⁺21]. **detecting** [KKW⁺21]. **detection** [APF21]. **determinants** [DDG⁺21, LPD⁺20]. **determine** [CSZY⁺20]. **determined** [HKH⁺20]. **Determining** [ALS⁺21, RPT21, USA21]. **Developing** [PFK⁺22, SDP21]. **Development** [DDG⁺21, CPAT20, CMS⁺21, DLZ⁺20, HEL⁺21, HSD⁺21, Jia21, LPS⁺21, LJ21, SGPSzC22, TK20b, WRC21, ZSS21]. **diagnostic** [KMH⁺21].

diapause [BVM⁺21, PGdAM⁺20]. **DiaThor** [GSJC22]. **diatom** [GSJC22].
diatoms [LCLG20]. **Dicentrarchus** [WBW⁺20]. **Diels** [ZWL⁺21]. **diet**
 [LPA⁺21, PTG⁺20]. **Dietary** [MLP⁺20, MPL⁺20]. **differences** [GSM⁺20].
different [ATP20, LYC⁺21, TLC⁺22, WTT⁺21]. **differential** [VMM⁺21].
differentiation [GSRB22, ZSS21]. **differentiations** [LLZM20]. **differently**
 [RLdM20]. **digital** [KKW⁺21, SG20]. **Dilution** [Oku21]. **dimensional**
 [Ano20-50, DBK20, NBML21, TWL⁺22, YLS⁺21]. **dimensions** [KCS22].
dimictic [EL21]. **DINAMICA** [HPMB20]. **dinoflagellate** [GSJ⁺22].
Dinosaurs [PR21]. **dioxide** [BH20, BLB⁺20]. **direct** [MTS⁺20].
directional [STQ⁺22]. **discharge** [Che21, YG21]. **disciplines** [BVR⁺20].
discrete [mSzZK⁺21]. **discus** [DLZ⁺21]. **disease**
 [BAPW20, BJKT21, BGK⁺20, CLPZ20, EBMK20]. **diseases** [GRGHM21].
Disentangling [DAB⁺20, QZSV21, WTT⁺21]. **dispersal**
 [AM21, BSR21, LK20, LHDBN20, LBB20, LSL20, VMM⁺21, dAdSCA20].
disperser [DAG⁺21]. **dispersion** [MYH⁺20]. **dissimilarity** [RP22].
dissolved [NKT⁺20, YFW⁺21]. **distance**
 [MVAD20, PPH⁺21, RP22, RBEH21]. **distance-independent** [PPH⁺21].
distinct [CTL22]. **distort** [LKPK22]. **Distributed** [RCSS20, NA22].
distribution [BS20, BWSS21, BMS⁺20, CSBS21, CLPZ20, CNSK21,
 EWE20, FS22, GWH20, Jia21, MMRBLN20, MVAD20, Men22, MBD⁺22,
 OW20, RJY⁺20, RPT21, SLB⁺20a, SVK20, TK20a, VMH⁺21, VRS20,
 WWP20, YLS⁺21, YCI20]. **distributions**
 [HMDO20, JMM⁺20, PEFW20, SRTS20]. **District** [MDP21]. **disturbance**
 [FdKO21, NL20, PZH⁺21]. **diversicolor** [GLA⁺20]. **diversity** [CLPZ20,
 Che22, HLW⁺20, LPA⁺21, PNGESS21, PSZ20, SG20, WZHP21, YXH20].
DNDC [SMM⁺22]. **Do** [WTT⁺21, RLdM20]. **does**
 [CKC20, PNGESS21, SKH⁺20]. **dolomieu** [LBI⁺20]. **domainal** [Ano20-50].
dose [YXH20]. **Douglas** [BLB⁺20]. **Douglas-fir** [BLB⁺20]. **down** [EOÖ21].
Dr. [Des21]. **drained** [RGD20]. **drip** [GLK⁺22]. **drip-irrigated** [GLK⁺22].
driven [ABC⁺22, ILLM20, KiAM⁺20, LG20, PSM22, SBR20, TK20b].
driver [BA20, HLW⁺20]. **driver-response** [BA20]. **drivers**
 [DAB⁺20, HBP⁺21]. **Droop** [WGAH22]. **Drosophila** [RRSG21]. **drought**
 [LPS⁺21]. **drought-induced** [LPS⁺21]. **dryness** [JPL21]. **due**
 [MKR20, MYH⁺20]. **duration** [LGA⁺21]. **during**
 [CZ21, OHH⁺21, STQ⁺22, Tsy22]. **Dutch** [BAPW20]. **dwelling** [PSM⁺21].
DynaGraM [MPCG21]. **Dynamic** [BM21, DMPLHGL20, FCP⁺20,
 GLA⁺20, HMGK20, LFN⁺20, PSM⁺21, VLGg⁺20, WWC⁺22, vdMvDSL20,
 CDB⁺20, dSCdA21, DLZ⁺21, ERP21, FdKO21, GMM20, JB22, JM22, KD20,
 Koo20b, LYC⁺21, LAK20, RPG20, RJY⁺20, RRCZ20, SVK20, SRB⁺20,
 TBCV22, Tur20, WCSX22, YRK⁺20, DPC20]. **dynamically** [JPL21].
Dynamics [DBDR22, ADR21, AM22, AG22, APF21, APGD⁺21, BS21,
 BGS⁺20, BGR20, BLP20, DKM⁺21, DAQ20, DMGP20, EL21, FDSM20,
 FSZ⁺20, FZS⁺20, GAC⁺21, GSJ⁺20, HSJ⁺20, HSP⁺22, JLV⁺21, KDH⁺21,
 KSJ22, LRA⁺20, LSL21, LZW20, LSS⁺21, LCMB21, MLL20, MDB⁺20,

MSLMM22, MF20, MMC⁺21, MPCG21, NS20, NGE⁺21, Oku21, PBH22, PSG21, PPH⁺21, PKO⁺21, PZH⁺21, PMP⁺21, PCK⁺22, RFJ⁺22, RKN⁺21, RWS⁺21, SCB⁺20, SQDM21, SMD⁺20, SE21, SLC⁺20, SBR20, TK20b, WGAH22, XYZR21, XFK21, ZMS20, ZYM⁺21, GCSIR22].

eagle [RM20]. **early** [WSFZ21]. **earthquake** [BWS⁺20]. **earthworm** [RPG20]. **East** [BWS⁺20]. **eastern** [BWS⁺20, GGMR20, MDB⁺20]. **EasyCA** [AXMJ22]. **eco** [Abe20, CN20, DPC20, MF20, NWO21]. **eco-evolutionary** [Abe20, CN20, MF20]. **eco-hydrology** [NWO21]. **eco-physiological** [DPC20]. **Ecodynamics** [Ano20-49]. **Ecohydraulic** [Yao21]. **ecohydrodynamic** [DVVH21]. **ecohydrologic** [BKTM20]. **Ecol** [BS20]. **Ecological** [ARSC22, BdBG⁺21b, BMS⁺20, CVTS20a, DS21, LC20, LBI⁺20, LSG21, LLW⁺21, MMRBLN20, SE20a, TWL⁺22, TLH⁺20, VBH20, WCF⁺22, AS22, Ano20-50, BANG20, BRC⁺21, CB20, CNSK21, CIL⁺20, CYP⁺20, Cor20, DWG22, GZK⁺20, HNC⁺21, KNP⁺21, LLZM20, LKPK22, LPD⁺20, MS20, MZLRSZ21, NL20, OBFH22, PBH22, PHL20, PGB⁺20, PPSS22, PTNR⁺20, RBMRR20, RBEC21, SACEU⁺21, SML⁺20, VRS20, VSK⁺20, WG21, ZFP21, dFT⁺20, Pas21]. **ecological-economic** [DWG22]. **ecological-risk** [GZK⁺20]. **Ecologically** [Por21, CWF⁺21, GCSIR22, WCF⁺22]. **Ecologically-Based** [Por21]. **ecologists** [WG21]. **Ecology** [Mea20, Por21, BWSS21, CBW22, Fou21, PSW22, XJW21]. **econometric** [BVR⁺20]. **Economic** [DMPLHGL20, CZ21, DWG22, ZSS21]. **economics** [LM21, SM20]. **economies** [YD20]. **economy** [Ano20-49, FMSR20, SMP20, ZA20]. **Ecopath** [PTG⁺20, BWS⁺20]. **Ecophysics** [GRS⁺20, Pas21]. **ecophysiological** [TSdOCV21]. **ecoregion** [LhNA⁺21, LhNA⁺22]. **Ecosim** [BWS⁺20, WA20]. **Ecosystem** [BM21, FWK⁺20, LB21, YZF20, ZZŠ⁺22, ASHK22, ABM20, BNN20, BNAR⁺21, BRBT22, BLSR⁺20, BDA⁺20, CL21, CVTS20a, CVTS20b, CPAT20, FMH⁺20, FDSM20, GSJ⁺20, GZW⁺20, HKB⁺20, HES⁺20, LL21, LCW⁺21, LPD⁺20, LGA20, MEGA21, MBS22, PGP⁺22, PRdN⁺20, PDGB21, PZH⁺21, PCK⁺22, SBS⁺20, SBS⁺21, SBM⁺22, SMD⁺20, SINS22, SZL⁺20, TBCV22, XCH⁺21, XCZ⁺20, YPS⁺21, ZCJ⁺20, ZYK22, ERP21]. **Ecosystem-scale** [FWK⁺20]. **ecosystem-wide** [HKB⁺20]. **Ecosystems** [BAR20, AM22, AAC20, BA20, BP21, BARF20, CTL22, FSZ⁺20, FZS⁺20, GZK⁺20, HLW⁺20, LSA⁺21, OTR⁺21, OKS⁺21, RGRMRR20, WZHP21, ZFT20]. **ecotoxicity** [Jag20]. **ecotoxicology** [PFK⁺22]. **ectotherms** [RRSG21]. **edge** [LCW⁺21]. **edible** [GMM20]. **editorial** [LSG21, Ano20y, Ano20z, Ano20-27, Ano20-28, Ano20-29, Ano20-30, Ano20-31, Ano20-32, Ano20-33, Ano20-34, Ano20-35, Ano20-36, Ano20-37, Ano20-38, Ano20-39, Ano20-40, Ano20-41, Ano20-42, Ano20-43, Ano20-44, Ano20-45, Ano20-46, Ano20-47, Ano20-48, Ano21y, Ano21z, Ano21-27, Ano21-28, Ano21-29, Ano21-30, Ano21-31, Ano21-32, Ano21-33, Ano21-34, Ano21-35, Ano21-36, Ano21-37, Ano21-38, Ano21-39, Ano21-40, Ano21-41,

Ano21-42, Ano21-43, Ano21-44, Ano21-45, Ano21-46, Ano21-47, Ano21-48, Ano22b, Ano22c, Ano22d, Ano22e, Ano22f, Ano22g]. **Edmonton** [NBML21]. **eel** [BdBG^{+21a}, BdBG^{+21b}]. **eelgrass** [KNP⁺²¹]. **Effect** [RGRMRR20, ABH⁺²⁰, BLLL21, CMS⁺²¹, EWE20, KUK⁺²¹, KBAC20, LL21, LP22, MSG21a, MKR20, NDNN22, PZH⁺²¹, dAdSCA20]. **effective** [BCMV20, PMZ⁺²¹]. **effectiveness** [BJKT21, HCPG20]. **Effects** [CWH⁺²¹, FdKO21, LHDBN20, LCMB21, MMC⁺²¹, NBMD21, VRS20, ADR21, BKTm20, BH21, Che21, dSCdA21, CP20, DWH⁺²¹, EVT⁺²¹, LK20, LBGD21, MMdP⁺²¹, MEPJ21, Oku21, PTBFP⁺²⁰, RWF22, SDD⁺²⁰, SML⁺²⁰, VVH⁺²⁰, VSK⁺²⁰, VBH20, YPS⁺²¹]. **efficiencies** [PGP⁺²²]. **efficiency** [HLW⁺²⁰, LNK⁺²¹, Yu20]. **egg** [BGR20]. **EGO** [HPMB20]. **elasticity** [TK20a]. **electricity** [LGA⁺²¹]. **electrofishing** [RGD⁺²²]. **elephant** [HBC⁺²², MDP21, NMC⁺²⁰]. **elephants** [DDG⁺²¹]. **elevated** [ZFT20]. **elevation** [LhNA⁺²¹, LhNA⁺²²]. **elm** [BAPW20]. **Embedding** [MS20]. **embodied** [ZLML20]. **Embracing** [FCP⁺²⁰]. **emergence** [BR22]. **emergent** [DAB⁺²⁰, LYC⁺²¹]. **Emergy** [DYW⁺²², ESCA22, LB21, AAC20, LL21, LDZ21, TLC⁺²²]. **Emergy-based** [ESCA22]. **emigration** [WGK⁺²¹]. **Emilia** [MEGA21]. **emission** [KMH⁺²¹, ZMF⁺²⁰]. **emissions** [MTS⁺²⁰, SMM⁺²², ZPZ⁺²²]. **Empirical** [BM21, dMFOM⁺²⁰, JM22, LMNV20, MAN⁺²⁰, RBEH21, Ste20, WGAH22]. **Employing** [ATP20]. **empowerment** [NBMD21]. **end** [BNN20]. **end-to-end** [BNN20]. **endangered** [BLLL21, HMGK20, HBP⁺²¹]. **endemic** [HMGK20]. **enemies** [LRA⁺²⁰]. **energetic** [KLA⁺²⁰, WLLW20]. **Energetics** [CDB⁺²⁰, DGSM21, Koo20a]. **Energy** [DPC20, FCP⁺²⁰, GLA⁺²⁰, LFN⁺²⁰, MTP⁺²⁰, PDG⁺²⁰, VLGg⁺²⁰, ZLML20, BPK⁺²⁰, CZ21, CDB⁺²⁰, DLZ⁺²⁰, DLZ⁺²¹, FMSR20, HMGK20, KD20, Koo20b, LAK20, LBS20, MKS21, RPG20, RJY⁺²⁰, RRCZ20, SLY⁺²¹, SML⁺²⁰, VVH⁺²⁰, YRK⁺²⁰, vdMvDSL20]. **energy-based** [SLY⁺²¹]. **Energy-Landscape** [MTP⁺²⁰]. **engineers** [SBS⁺²⁰, SBS⁺²¹]. **English** [DHW⁺²⁰]. **enhance** [ATP20, FCP⁺²⁰, Oku21]. **enhancement** [YRK⁺²⁰]. **enough** [LJRM⁺²⁰]. **ensemble** [HBP⁺²¹, LLLZ21, ZFP21]. **ENSO** [GGMR20]. **entrainment** [HKH⁺²⁰]. **Entropy** [ZSS20, GCS⁺²¹, HMDO20, WT20, XJW21]. **environ** [LLW⁺²¹]. **environment** [BSE21, BWS⁺²⁰, HSF⁺²⁰, HLB⁺²⁰, KN20, PNGESS21, SBS⁺²¹, SMP20, ZSS21]. **Environmental** [LMNV20, MBB20, OZSU22, Pas21, APGD⁺²¹, BSR21, BARF20, BDA⁺²⁰, CZ21, DMPLHGL20, FAC22, KCHZ21, LBGD21, LCP⁺²⁰, LBI⁺²⁰, MRR⁺²⁰, MBFS21, MLP⁺²⁰, PYD^{+21a}, PYD^{+21b}, SLYL⁺²⁰, Vas20, WG21, WBD^{+22a}, YEL⁺²¹]. **environments** [BVM⁺²¹, BR22, EHS⁺²⁰, MMRBLN20, SG20, YXH20]. **Enzo** [Ano20-49]. **ephemeral** [AGP20, BGR20, BSR21]. **Ephemeroptera** [KFJS20]. **EPIC** [WYJ⁺²²]. **epidemics** [BCMV20]. **Epizootic** [MSLMM22]. **equation** [CMG20, DAQ20]. **equations** [MAN⁺²⁰, VMM⁺²¹]. **equitable** [DL21]. **equivalence** [HFP22]. **eradication** [HKB⁺²⁰]. **erosion** [AJG22, GGMR20, LSS⁺²¹, YG21]. **errors** [OHH⁺²¹]. **establishment**

[AV22, SG20]. **estimate** [PSM22, TTPA21]. **estimated** [LCMB21].
estimates [ALK20]. **Estimating** [BPK⁺20, GAM20, JS22, JMM⁺20, KD20, LB21, MLL20, SZL⁺21, ZPZ⁺22, GLK⁺22, LAK20, SWF21]. **Estimation** [AJ22, CCH20, EJ20, HCX⁺21, KLS20, MTT22, Yu20]. **estuaries** [MLP⁺20].
estuarine [AM22]. **estuary** [Che21, HMC20, KDH⁺21, MKEH20, MBB20].
Eucalyptus [EHS⁺20]. **Euclidean** [RP22]. **Europe** [ASL⁺20, EVT⁺21, Pre22, SBR20]. **European** [CH22, DHW⁺20, LG20, MKR20, RBVL⁺20, SLB⁺20a, WBW⁺20, WBD⁺22a].
eutrophic [BS21, ZWZ⁺20]. **eutrophication** [BNAR⁺21, DBK20, NBML21, SRK⁺20]. **evaluate** [GLA⁺20, KDH⁺21, MAD⁺20, TDI⁺20, WHdBB21]. **Evaluating** [ERP21, GWH20, GSJ⁺20, IBB⁺21, LDZ21, SZL⁺20, XCZ⁺20, DL21, DWH⁺21, MDB⁺20]. **Evaluation** [AAC20, CSZY⁺20, NWO21, LPS⁺21, MAN⁺20, SLY⁺21, SPPC21, TK20b, YZF20, RPARM20]. **event** [GRGHM21]. **events** [FS22, TTPA21]. **Everglades** [RGD20, ZRMW⁺20].
evidence [MMRBLN20, ZA20]. **Evolution** [LZSQ20, Gat21, LM21, WXH⁺22, YD20]. **evolutionary** [Abe20, CP20, CN20, GRCSA⁺20, LBS20, MF20, MOS21]. **Examining** [CLG20]. **example** [CDNN⁺20, WA20]. **exchange** [ASHK22, BLB⁺20].
exchanges [SMP20]. **exciting** [GSH⁺22]. **exclusion** [MYH⁺20]. **Exergy** [VPAV22]. **existence** [dAdSCA20]. **existing** [JS22, KD20, Kos22].
expansion [LK20, MKEH20]. **expectations** [BMS⁺20]. **experiment** [ABC⁺22, PNGESS21]. **experimental** [MPL⁺20, NS20]. **experiments** [FZS⁺20, JLV⁺21, PSM⁺21, Tur20]. **expert** [WBD⁺22b]. **explains** [XJW21].
explicit [CAB⁺21, DDG⁺21, GRCSA⁺20, SOV21, WBW⁺20, WBD⁺22a].
explicitly [SBS⁺21]. **exploitation** [TCB21]. **explore** [BGS⁺20, MSLMM22].
Exploring [BNN20, KMH⁺21, SBM⁺22, BRBT22, DMGP20, GRS⁺20, NGA⁺20].
exports [YG21]. **exposed** [JST⁺22, WBD⁺22b]. **exposure** [DWH⁺21, JSD⁺22]. **extended** [JSL⁺20, WMA21]. **Extending** [SDSP⁺21].
extension [BP21]. **extensions** [MKS21]. **extensive** [BNN20]. **extinction** [TCB21]. **extinctions** [GRCSA⁺20]. **extreme** [SCH⁺21].

facilitates [CKC20]. **Facilitation** [Pre22]. **factored** [PSG21]. **Factors** [BLB⁺20, DPC20, Vas20, YG21, ZSS21, ZYM⁺21]. **facts** [MZLRSZ21].
facultative [PGdAM⁺20]. **Fagus** [LhNA⁺21, LhNA⁺22]. **farm** [TLC⁺22].
farmer [MGdM⁺20]. **farming** [HSP⁺22, MDB⁺20]. **farms** [MM21]. **fast** [AKM22, LM21, SdlP20]. **fastidiosa** [BCM20]. **Fath** [Des21]. **fauna** [Yao21]. **favorable** [KDC⁺21]. **Feasibility** [AS22]. **feature** [LSG21].
Features [CLG20, SDD⁺20]. **February** [Ano20d, Ano20p, Ano21d, Ano21p, Ano22h]. **fed** [Che21]. **feed** [dMFOM⁺20]. **feedback** [BPN⁺20, RGRMRR20, TK20b, ZWZ⁺20].
feedback-driven [TK20b]. **feedbacks** [TK20b]. **feeding** [HSF⁺20]. **female** [WBD⁺22b]. **Fenneropenaeus** [YRK⁺20]. **fertility** [CAB⁺21, VPAV22].

fertilizer [JLV⁺²¹]. **fever** [MSLMM22]. **few** [AXMJ22]. **fidelity** [BR22].
Field [SOV21, NGE⁺²¹, PSM22]. **filamentous** [KBAC20]. **filtering**
 [EMH⁺²², VMH⁺²¹]. **Fine** [Fou21, JSD⁺²²]. **fine-scale** [JSD⁺²²].
Fine-tuning [Fou21]. **finless** [HSF⁺²⁰]. **finmarchicus** [BVM⁺²¹]. **fir**
 [BLB⁺²⁰]. **fire** [ABRG21, BKT20, ERP21, JLH⁺²¹, JB22, MMdP⁺²¹].
fire-land [JLH⁺²¹]. **fire-prone** [ABRG21]. **fires** [NA22]. **first** [BPN⁺²⁰].
fish [BPK⁺²⁰, BGCJ21, BSR21, CSBS21, HML⁺²², LDC⁺²⁰, LCP⁺²⁰,
 LBI⁺²⁰, LGA⁺²¹, PBH22, SLB^{+20a}, SRTS20]. **Fisher** [RBMRR20].
fisheries [BWS⁺²⁰, GSJ⁺²⁰, WBW⁺²⁰]. **fisheries-targeted** [GSJ⁺²⁰].
fishery [AKM22, BNAR⁺²¹, DMGP20, MZLRSZ21]. **fishes**
 [HMDO20, SGLK20]. **fishing** [KiAM⁺²⁰, RWF22]. **five** [IBB⁺²¹, ZMF⁺²⁰].
fixed [GSRB22, JPL21]. **fixing** [GSRB22]. **fjords** [AM22]. **flamulated**
 [CWH⁺²¹]. **flight** [KWG⁺²²]. **flights** [STQ⁺²²]. **Florida**
 [ZRMW⁺²⁰, CB20, PTG⁺²⁰]. **flow** [ARSC22, HLM⁺²⁰, JB22, OSH⁺²¹].
flowering [KKW⁺²¹]. **flows** [FMSR20, HKH⁺²⁰, ZZWF21, ZLML20].
fluctuating [BSE21]. **Fluid** [GCSIR22]. **fluorescence** [SPPC21]. **flux**
 [ASHK22, SPPC21, ZWZ⁺²⁰]. **fly** [DBN⁺²²]. **focal** [For20]. **follow** [KK20].
Food [GHbS21, SRK⁺²⁰, BNN20, HML⁺²², KMH⁺²¹, KDC⁺²¹, LPA⁺²¹,
 MAD⁺²⁰, MGdM⁺²⁰, MEPJ21, OKS⁺²¹, VVH⁺²⁰, WLLW20, WA20,
 WSN⁺²¹, vdHNN⁺²⁰]. **footed** [JZJ⁺²⁰]. **footprint**
 [RPARM20, SML⁺²⁰, TWL⁺²²]. **foragers** [CNNS⁺²¹]. **foraging**
 [CDNN⁺²⁰, KN20, RBEH21]. **forecast** [HEL⁺²¹, WCSX22]. **Forecasting**
 [BPW⁺²¹, KiAM⁺²⁰, CZ21, ZFP21]. **foreign** [SML⁺²⁰]. **Forest**
 [BAR20, ETAAH21, Mea20, RBEC21, ABH⁺²⁰, AHO⁺²⁰, BAPW20, CM21,
 FG21, FSZ⁺²⁰, FZS⁺²⁰, IBB⁺²¹, JB22, LDR⁺²⁰, LhNA⁺²¹, LhNA⁺²²,
 ML20, MSLMM22, NA22, PPH⁺²¹, PZH⁺²¹, PNGESS21, PSW22, Pre22,
 PGSLS⁺²⁰, RFJ⁺²², SE20a, SE20b, SMD⁺²⁰, SLLW21, SPPC21, TDI⁺²⁰,
 VSK⁺²⁰, WZHP21, ZCJ⁺²⁰]. **forested** [BPL⁺²⁰]. **forests**
 [HLH⁺²¹, IBB⁺²¹, LPS⁺²¹, MLL20, MSG^{+21b}, PKO⁺²¹, dOPdMdS⁺²¹,
 RLdM20, RBVL⁺²⁰, XJW21, ZRMW⁺²⁰]. **form** [MAN⁺²⁰]. **formation**
 [SLC⁺²⁰]. **forms** [LZSQ20, WGAH22]. **formulation** [FSZ⁺²⁰]. **Fort** [Pas21].
four [AAC20, MKR20, SINS22]. **fragmented** [LSA⁺²¹]. **fragments**
 [MSLMM22]. **framework** [AMK21, BGK⁺²⁰, CIL⁺²⁰, DBDR22, DBH⁺²²,
 JLH⁺²¹, JM22, KDH⁺²¹, LDC⁺²⁰, LMNV20, LJRM⁺²⁰, LLLZ21, PDGB21,
 SGPSzC22, TLC⁺²², TWL⁺²², TDI⁺²⁰]. **France** [BPL⁺²⁰]. **free**
 [DGSM21, Men22]. **free-ranging** [DGSM21]. **freezing** [LCW⁺²¹].
freezing-thawing [LCW⁺²¹]. **frequency** [MMdP⁺²¹]. **freshwater**
 [LDC⁺²⁰, SRTS20, TCS21, Tsy22]. **front** [ASL⁺²⁰]. **fruit** [DBN⁺²²]. **full**
 [SLYL⁺²⁰]. **Fully** [JVGC21, PPSS22]. **function** [PSW22, YXY⁺²⁰].
functional [BBSHC22, DLT⁺²², HES⁺²⁰, MAN⁺²⁰, PNGESS21, RP22,
 SHT21, SQDM21, dAdSCA20]. **functions**
 [ALK20, CNSK21, LAK20, VPV21]. **fundamental** [EL21, JS22]. **fungus**
 [MGHT20]. **Fusarium** [GGS⁺²²]. **future** [BPW⁺²¹, CZ21, CLG20, FS22,
 HSD⁺²¹, KNP⁺²¹, LhNA⁺²¹, LhNA⁺²², MBD⁺²², ZPZ⁺²²]. **futures**

[KMH⁺21]. **fuzzy** [ZWL⁺21].

Gaia [Gat20]. **gain** [BPK⁺20]. **game** [GHbS21]. **gap** [RP22]. **Gaps** [AVRC⁺20, LKPK22]. **gardens** [RPARM20]. **gas** [BST⁺20, CPAT20, HCP⁺20, KMH⁺21, MTS⁺20]. **GCM** [TKO⁺22, ZFT20]. **GCM-related** [TKO⁺22]. **geese** [JZJ⁺20]. **general** [PSG21, RRS21, DLT⁺22]. **generalizable** [RBEH21]. **Generalized** [SE21, CIL⁺20]. **generated** [TK20a]. **Generation** [EHS⁺20, LGA⁺21, MKS21]. **generic** [CdCAC⁺20, DWG22]. **genetic** [SG20]. **genetically** [NS20]. **geochemical** [MTT22]. **Geographic** [LB21, HMDO20, RJY⁺20]. **geography** [USA21]. **gerais** [MRR⁺20]. **germanica** [CH22]. **germinans** [LK20]. **GHG** [KMH⁺21]. **giant** [XFK21]. **GIS** [ILLM20, USA21]. **given** [SE20a, SE20b]. **GLCM** [DLT⁺22]. **glider** [ACZ⁺21]. **Global** [LB21, MBFS21, CBW22, CYP⁺20, Cor20, HES⁺20, KMH⁺21, LC20, LhNA⁺21, LhNA⁺22, MLP⁺20, MPL⁺20, OHH⁺21, SQDM21, SMP20, TRMB20]. **global-scale** [CYP⁺20, Cor20]. **globosa** [LCMB21]. **going** [ARSC22]. **Gompertz** [CMG20]. **good** [BCM20, LJR20]. **GPP** [SPPC21]. **Grabarnik** [Mea20]. **gradient** [ALS⁺21, SGT21]. **gradients** [BMS⁺20, LBGD21]. **granularity** [OSH⁺21]. **grasshopper** [LBGD21]. **grassland** [HCP⁺20, WTT⁺21, Yu20, ZFT20]. **grasslands** [AG22, DP20, HHT21, MPCG21, PSM⁺21, SHT21]. **grazing** [JZS⁺21, ZGG22]. **Great** [ZFT20, AJ22, BWS⁺20]. **Greater** [ERP21]. **Greece** [LPD⁺20]. **green** [GZW⁺20, MKR20, RRCZ20, SBF⁺21, SMV⁺20, SRB⁺20]. **green-lipped** [RRCZ20]. **greenhouse** [AAC20, BST⁺20, HCP⁺20, KMH⁺21, MTS⁺20, TCG⁺20]. **grey** [CAB⁺21]. **grizzly** [GCS⁺21]. **gross** [GLK⁺22, HCX⁺21]. **Ground** [ABC⁺22, EOÖ21, FSZ⁺20, FZS⁺20]. **ground-level** [EOÖ21]. **Ground-truthing** [ABC⁺22]. **grounds** [KiAM⁺20]. **groundwater** [Che21, ZSS20, BPN⁺20]. **groundwater-dependent** [ZSS20]. **group** [GAC⁺21]. **groups** [BLP20, vWVH20]. **Growth** [KDC⁺21, dSMPA⁺22, dOPdMdS⁺21, VLGG⁺20, WXT⁺20, AZMD⁺22, AXMJ22, AG22, CZ21, CMG20, CMS⁺21, DHW⁺20, DPC20, dMFOM⁺20, HMVR21, HFP22, Jia21, KLS20, KABL21, KLA⁺20, KBAC20, LM21, LZ21, LCMB21, MGHT20, MLP⁺20, PKO⁺21, Pre22, SE20a, SE20b, SVK20, mSzZK⁺21, SMV⁺20, SRB⁺20, SLC⁺20, TKO⁺22, WYJ⁺22, ZYK22, ZS20]. **growth-maintenance** [AG22]. **guarantee** [CKC20]. **GUESS** [ERP21]. **guianensis** [dOPdMdS⁺21]. **guidance** [Gri20]. **guide** [DWG22, Tur20]. **guided** [HSJ⁺20]. **guideline** [SACEU⁺21]. **guild** [CKC20]. **guilds** [LLZM20]. **Gulf** [MZLRSZ21, RWF22, WSFZ21]. **gull** [vdMvDSL20]. **gut** [LSL21]. **GWR** [ZSS21].

Habitat

[HSF⁺20, YHC⁺21, BLLL21, BBSHC22, CWH⁺21, DL21, ILLM20, JLH⁺21,

LGA⁺²¹, PTNR⁺²⁰, SvV21, SKH⁺²⁰, WKL⁺²¹, Yao21, YXY⁺²⁰, ZWL⁺²¹].
habitats [Che21, GRCSA⁺²⁰]. **Haliaeetus** [RM20]. **Haliotis** [DLZ⁺²¹].
Handling [LKP22]. **Hanjiang** [XZZ⁺²²]. **hannai** [DLZ⁺²¹]. **hardcover**
 [Mea20]. **hardwood** [JLH⁺²¹, MLL20]. **hare** [LG20]. **Harmful**
 [KSJ22, PTG⁺²⁰]. **harvest** [dSCdA21, DAG⁺²¹, DDL⁺²⁰, SLLW21].
harvesting [BSE21, PBH22, SvV21]. **hatchling** [LHDBN20]. **heat**
 [SCH⁺²¹]. **heatwave** [SMV⁺²⁰]. **heatwaves** [MKR20]. **heavy** [LLW⁺²¹].
Hebei [LZF21, ZLML20]. **Hediste** [GLA⁺²⁰]. **Height**
 [SE20a, SE20b, HFP22]. **helper** [GAC⁺²¹]. **hemimetabolous** [SKH⁺²⁰].
Hemiptera [PTBFP⁺²⁰]. **Henriot** [TCG⁺²⁰]. **herbivore** [WSN⁺²¹, YL22].
herbivores [GJC⁺²⁰, RMK21]. **herbivorous** [PGdAM⁺²⁰]. **HermaDEB**
 [LBS20]. **hermaphrodites** [LBS20]. **heterocyst** [GSRB22]. **heterogeneity**
 [DPA21, LGFT⁺²⁰, LP22, vDC20]. **heterogeneous**
 [BR22, PEFW20, PMP⁺²¹, SG20]. **hierarchical**
 [PDGB21, SWF21, WBD^{+22b}]. **High**
 [BRC⁺²¹, LBGD21, YHC⁺²¹, ACZ⁺²¹, CDB⁺²⁰, YXH20, vdHNNH⁺²⁰].
High-precision [YHC⁺²¹]. **High-resolution** [LBGD21]. **higher**
 [CKC20, GJC⁺²⁰]. **Highly** [DMGP20]. **Himalayan** [BS20]. **Himalayas**
 [KWSS21]. **hirundinacea** [ARSC22]. **Historical** [ZPZ⁺²², AG22]. **histories**
 [RPG20]. **history** [BMB21, CTL22, CP20, KD20, SLYL⁺²⁰, vDC20].
history-dependent [CTL22]. **hitchhiker** [DWG22]. **Hoeksche** [PRdN⁺²⁰].
holey [TTPA21]. **honeybee** [MMC⁺²¹]. **Hopf** [NDNN22]. **host**
 [CLP20, MSLMM22, MM21, Oku21, PTBFP⁺²⁰, RWS⁺²¹, SE21, ZMG⁺²¹].
hosts [Oku21]. **hot** [LLZM20, MZLRSZ21]. **hotspot** [BRC⁺²¹, ZZWF21].
hourly [BH20]. **HSPF** [LKP⁺²⁰]. **Hugo** [Pas21]. **human** [CBW22,
 FMSR20, GRCSA⁺²⁰, KCS22, MDP21, RGRMRR20, WG21, YPS⁺²¹].
human-altered [GRCSA⁺²⁰]. **human-ecosystems** [RGRMRR20].
human-natural [KCS22]. **humidity** [WBD^{+22b}]. **humpback** [SWF21].
hunter [LP22]. **hunting** [CPAT20]. **Hutchinson** [MYH⁺²⁰]. **hybrid**
 [LNK⁺²¹]. **hybridization** [SCB⁺²⁰]. **hydra** [dAdSCA20]. **hydraulic**
 [KSJ22]. **Hydrodynamic** [YHC⁺²¹, Che21, HSF⁺²⁰]. **hydrologic**
 [TKO⁺²²]. **hydrological** [NA22, ZRMW⁺²⁰]. **hydrology** [NWO21].
hydropower [DYW⁺²²]. **hyperallometric** [SGLK20]. **hyperbolic** [PSZ20].
hypereutrophic [DAQ20]. **hypotheses** [SGLK20]. **Hyrceanian**
 [LhNA⁺²¹, LhNA⁺²²].

ibex [LGFT⁺²⁰]. **IBM** [LBS20]. **ideal** [Men22]. **ideas** [Ano20-49].
identifiability [SC21]. **identification** [DBH⁺²²]. **identified** [BLB⁺²⁰].
identify [OSH⁺²¹]. **Identifying** [BGCJ21, MKEH20, KDC⁺²¹]. **Ignoring**
 [LKP22]. **II** [FZS⁺²⁰]. **III** [ML20]. **images** [CSZY⁺²⁰]. **immersed** [For20].
Impact
 [MSL⁺²¹, SLYL⁺²⁰, AMK21, BMB21, CdCAC⁺²⁰, DAG⁺²¹, HMC20, JB22,
 LDXJ22, MGHT20, NA22, RBVL⁺²⁰, TKO⁺²², VMH⁺²¹, ZA20, ZCJ⁺²⁰].
impacted [ZRMW⁺²⁰]. **Impacts** [CPAT20, XLS20, ZMF⁺²⁰, BPW⁺²¹,

BGS⁺²⁰, BNAR⁺²¹, BRBT22, CNSK21, ETAAH21, HKB⁺²⁰, LCW⁺²¹, MBD⁺²², PTG⁺²⁰, SBS⁺²⁰, SBS⁺²¹, SG20, TCS21, XCZ⁺²⁰. **imperfect** [BR22, SOV21]. **Implications** [CNSK21, LRA⁺²⁰, SE21, RBEC21, Pas21]. **Importance** [FS22, ALS⁺²¹, EJ20, HHT21, WRC21, vdHNN⁺²⁰]. **imprecise** [XCZ⁺²⁰]. **improve** [MVAD20, PTG⁺²⁰]. **Improved** [HCX⁺²¹, KBAC20, Ste20, WMA21, BA20, LCW⁺²¹, NYH20, dOPdMdS⁺²¹, SPPC21, Yu20]. **improvements** [LKP⁺²⁰]. **improves** [JST⁺²², OW20]. **Improving** [BLSR⁺²⁰, PGSL⁺²⁰, YCI20, BGK⁺²⁰, TCG⁺²⁰]. **in-silico** [PNGESS21]. **in-water** [WWP20]. **including** [YEL⁺²¹]. **Incorporating** [APF21, HML⁺²², WBD^{+22a}, CL21, PGdAM⁺²⁰, WBD^{+22b}, XYZR21, ZYK22]. **Increase** [AKM22, CAFT22]. **increased** [FS22, GGMR20, TCB21]. **increasing** [FWK⁺²⁰, SQDM21]. **incubation** [CC20]. **independent** [PPH⁺²¹]. **indeterminate** [CMG20]. **index** [JPL21, PSZ20, ZSS20]. **India** [ESCA22, GMM20, JLV⁺²¹, MSG^{+21b}, SPPC21]. **Indian** [HMVR21]. **indicate** [ZZŠ⁺²²]. **indices** [CSZY⁺²⁰, GSJC22]. **Individual** [APGD⁺²¹, EV22, MKS21, Mea20, PMP⁺²¹, RPG20, AVRC⁺²⁰, AHO⁺²⁰, APF21, BGS⁺²⁰, CDB⁺²⁰, CGVC21, DAB⁺²⁰, DWH⁺²¹, EWE20, GRCSA⁺²⁰, KD20, LGFT⁺²⁰, LDC⁺²⁰, LBI⁺²⁰, MSG21a, dSMPA⁺²², MPL⁺²⁰, RFJ⁺²², WBW⁺²⁰, WBD^{+22a}, XJW21, YLS⁺²¹, ZMS20, ZFP21, Mea20]. **individual-** [RFJ⁺²²]. **Individual-based** [APGD⁺²¹, EV22, MKS21, Mea20, PMP⁺²¹, RPG20, AHO⁺²⁰, BGS⁺²⁰, CGVC21, DAB⁺²⁰, DWH⁺²¹, EWE20, GRCSA⁺²⁰, LGFT⁺²⁰, LBI⁺²⁰, MSG21a, WBW⁺²⁰, WBD^{+22a}, ZMS20, Mea20]. **individual-level** [AVRC⁺²⁰]. **individuals** [MOS21]. **induced** [DBK20, LPS⁺²¹, SPPC21]. **infection** [CYP⁺²⁰, Cor20]. **infer** [GSM⁺²⁰, JVGC21]. **inference** [LKPK22, TDI⁺²⁰]. **inferences** [ATP20]. **infestans** [FC21]. **infestation** [MM21]. **influence** [FDSM20, KN20, KCHZ21, MSLMM22, NL20, QZSV21, SLB20b, SMD⁺²⁰, SKH⁺²⁰, dAdSCA20]. **influenced** [KSJ22, XZZ⁺²²]. **Influences** [SHT21, CBW22, SZL⁺²⁰]. **influencing** [ZSS21]. **influential** [BGCJ21]. **inform** [CSMP21, GML⁺²⁰, WT20]. **Information** [LB21, SPV⁺²⁰, HKB⁺²⁰, HNC⁺²¹, LLW⁺²¹, RBMRR20, TTPA21, vWVH20]. **informed** [HMGK20]. **infrastructure** [SBF⁺²¹]. **Inhibition** [MYH⁺²⁰]. **inner** [KNP⁺²¹]. **Ino** [DLZ⁺²¹]. **inoculum** [MGHT20]. **inorganic** [NKT⁺²⁰]. **input** [BS20, HLM⁺²⁰, MDB⁺²⁰, ZZŠ⁺²²]. **input-output** [HLM⁺²⁰]. **Insect** [DBN⁺²², DKM⁺²¹, PSM⁺²¹, PGdAM⁺²⁰, RTH⁺²¹, RCSS20, SKH⁺²⁰]. **insects** [CH22]. **Insights** [dSCdA21, HSP⁺²², HCPG20, PYD^{+21b}, PTNR⁺²⁰, ZWZ⁺²⁰, JZJ⁺²⁰, PSM⁺²¹, SLB^{+20a}, dFT⁺²⁰, LJRM⁺²⁰, PYD^{+21a}]. **inspires** [PSW22]. **instream** [LKP⁺²⁰]. **intake** [vdMvDSL20]. **integer** [SRÁMH⁺²⁰]. **integral** [JPL21, PFK⁺²²]. **Integrated** [BNAR⁺²¹, DKM⁺²¹, ETAAH21, FMH⁺²⁰, GLA⁺²⁰, JZJ⁺²⁰, LCMB21, SZL⁺²⁰, Yao21]. **integratedly** [ZYK22]. **Integrating** [ATP20, Ano20-50, BKT20, JPL21, MBFS21, PGP⁺²², SVK20, VRS20, XJW21, CDB⁺²⁰, LZW20, PTNR⁺²⁰]. **Integration**

[OW20, PRdN⁺20, BNN20]. **intensity** [TMNA20]. **intensive** [ZCJ⁺20]. **inter** [EVHS21, KD20, MPL⁺20, PSG21]. **inter-** [PSG21]. **inter-individual** [KD20, MPL⁺20]. **inter-site** [EVHS21]. **interact** [KN20]. **interaction** [GGS⁺22, HFP22, JBF22, MVC⁺22, MM21, PVS⁺21, TRMB20].

interactions

[ABM20, AM21, BANG20, BNN20, CLPZ20, CZ21, CDNN⁺20, GGMR20, HFP20, KNP⁺21, LRA⁺20, LP22, MDP21, PSG21, PGS⁺20, RBEC21, SGP⁺20, SLLW21, SPV⁺20, SPV⁺21, WMA21, WTT⁺21, YL22, YEL⁺21]. **interactive** [CVTS20a, CVTS20b]. **interacts** [BSR21]. **intercropping** [DDH⁺22, KKP⁺21]. **interdependent** [RK20]. **International** [Mea20]. **interplay** [AM21]. **interpolators** [RAB21]. **interpretations** [LPL22]. **interregional** [ZLML20]. **intersection** [LHDBN20]. **intertidal** [GSM⁺20, vdHNH⁺20]. **interval** [ALK20]. **intervals** [JPL21]. **intra** [CKC20]. **intra-guild** [CKC20]. **intraspecific** [PSG21]. **Intrinsic** [MSML21, YZF20]. **invadable** [MOS21]. **invaders** [SG20]. **invasion** [AV22, Fou21, LBL22, NL20]. **invasive** [CH22, LGG⁺22, LDXJ22, SLB20b, SBR20]. **invasiveness** [PBH22]. **inventory** [IBB⁺21, PPH⁺21]. **inversion** [TDI⁺20]. **investigate** [DHW⁺20, DPC20, MSG21a, RWF22]. **Investigating** [CZ21, MGHT20]. **Investigation** [GCSIR22, RKN⁺21, WRC21]. **investigations** [CM21]. **Ionian** [RSC⁺21, LPD⁺20]. **ionising** [VSK⁺20]. **ionizing** [YXH20]. **IOP** [Pas21]. **Iran** [ETA AH21, RSASP22]. **irradiance** [SDP21]. **irregular** [JM22]. **irrigated** [GLK⁺22]. **ISBN** [Mea20, Pas21]. **ISBN-13** [Pas21]. **island** [SBS⁺20, GCSIR22]. **Islands** [LPD⁺20, SOV21]. **issues** [PBH22]. **Italy** [MEGA21, SBF⁺21, BARF20, DSC⁺21, LPA⁺21]. **iteroparous** [KK20]. **Ixodes** [WBD⁺22b].

January [Ano20e, Ano20q, Ano21e, Ano21q, Ano22i]. **Japan** [BWS⁺20, KiAM⁺20, TDI⁺20]. **jellyfish** [EWE20, XFK21]. **Jørgensen** [Fat21]. **JRR** [Fat21]. **July** [Ano20f, Ano20r, Ano21f, Ano21r]. **June** [Ano20g, Ano20s, Ano21g, Ano21s, Ano22j]. **Jurassic** [PR21]. **Just** [PMZ⁺21]. **juvenile** [BdBG⁺21a, BdBG⁺21b, MBB20, MLP⁺20, WRC21]. **JZB** [XCZ⁺20].

Kamchatka [PA20]. **Karenia** [GSJ⁺22]. **Kelp** [VLGG⁺20]. **Kerguelen** [APGD⁺21]. **kernel** [PSW22]. **Key** [YG21, CNSK21, GAC⁺21, GRCSA⁺20, KDC⁺21]. **keystone** [HNC⁺21]. **Kheyrud** [ETA AH21]. **Kinetics** [GSJ⁺22]. **Kingdom** [Pas21, KLA⁺20]. **knowledge** [JZS⁺21, MS20, PRdN⁺20, VRS20]. **known** [BGS⁺20]. **krill** [BMB21]. **Kuznets** [LMNV20].

L [EVT⁺21, LhNA⁺21, LhNA⁺22]. **laboratories** [Tur20]. **laboratory** [AZMD⁺22]. **labrax** [WBW⁺20]. **lactuca** [LFN⁺20]. **lagoon** [AACCIS20, PGB⁺20]. **Lagrangian** [TMNA20]. **LAI** [CSZY⁺20]. **lake**

[AJ22, BGCJ21, FWK⁺20, HSJ⁺20, KUK⁺21, Tsy22, WLLW20, ZZŠ⁺22, ZWZ⁺20, DVVH21, HSF⁺20, MSL⁺21, SLB20b]. **lake-scale** [AJ22]. **lakes** [EL21, LCLG20, Ste20, YXY⁺20, AJ22]. **Lakeshore** [SOV21]. **Lamellidens** [GMM20]. **lampreys** [AJ22]. **lance** [SWF21]. **Land** [LZW20, MTP⁺20, TLH⁺20, ABC⁺22, CLG20, DSC⁺21, DWG22, Fou21, GZK⁺20, JLH⁺21, KMH⁺21, LBGD21, LZSQ20, LSS⁺21, LLW⁺21, PHL20, RSASP22, SBM⁺22, USA21, WWC⁺22, WMA21, YPS⁺21]. **land-based** [CLG20]. **land-cover** [WWC⁺22]. **Land-Use** [TLH⁺20, LZW20, RSASP22, WWC⁺22]. **land-use-based** [DWG22]. **land-use/land-cover** [WWC⁺22]. **lands** [ESCA22]. **Landscape** [DLT⁺22, HBP⁺21, MTP⁺20, AJG22, AGP20, BSR21, HMDO20, JSL⁺20, Kos22, LDR⁺20, LRA⁺20, LP22, OW20]. **Landscape-scale** [HBP⁺21]. **landscapes** [LPD⁺20, MGdM⁺20, VBH20]. **LandSDS** [LZW20]. **large** [BS21, DYW⁺22, GJC⁺20, LBGD21, PBS21]. **Larimichthys** [RJY⁺20]. **Larix** [XLS20]. **Larus** [ILLM20]. **larval** [PYD⁺21a, PYD⁺21b]. **last** [BPL⁺20]. **late** [HEL⁺21, PR21]. **Latent** [Por21]. **laterally** [Che21]. **latissima** [VLGG⁺20]. **law** [KLS20, XJW21]. **layer** [FSZ⁺20, FZS⁺20, TMNA20]. **leaf** [NYH20, PKO⁺21, PNGESS21]. **Learning** [Ano20-51, ASHK22, EOÖ21, HSJ⁺20, KKW⁺21, MBFS21, PBS21, SPV⁺21, TK20b, WCSX22, WKL⁺21]. **least** [PCK⁺22]. **leatherback** [CMG20]. **Lei** [ZCJ⁺20]. **leishmaniasis** [ZMG⁺21]. **lemuru** [PYD⁺21b, PYD⁺21a]. **length** [BPK⁺20, LCMB21]. **Leslie** [SQDM21]. **less** [TSdOCV21]. **lesser** [BGS⁺20, vdMvDSL20]. **lesser-known** [BGS⁺20]. **lesson** [Fou21]. **lessons** [LBGD21]. **Level** [Por21, AVRC⁺20, EOÖ21, PPH⁺21, TLC⁺22]. **levels** [CCH20, DBK20, LYC⁺21, PCK⁺22]. **Lianas** [dFT⁺20]. **lice** [EVHS21, MM21]. **Liebl.** [EVT⁺21]. **Liebl./Quercus** [EVT⁺21]. **life** [BMB21, CTL22, CP20, KD20, NGA⁺20, RPG20, SLYL⁺20, SINS22, vDC20]. **life-histories** [RPG20]. **life-history** [KD20, SLYL⁺20]. **lifespan** [KN20]. **light** [HMC20, PNGESS21, TMNA20, Yu20]. **light-climate** [HMC20]. **limited** [HKB⁺20, HLW⁺20, ZWL⁺21]. **limnology** [DBK20]. **limpet** [GSM⁺20]. **linear** [SDD⁺20]. **Linking** [JLH⁺21, KWG⁺22, AB21]. **links** [AS22]. **Liolaemus** [NMGFOB21]. **lipped** [RRCZ20]. **literature** [MMRBLN20]. **Litopenaeus** [dmFOM⁺20]. **litter** [LDXJ22]. **livelihoods** [CNSK21]. **lives** [SCH⁺21]. **livestock** [GJC⁺20, JST⁺22, MTS⁺20]. **Living** [BLP20, TLH⁺20]. **LMfireCF** [ERP21]. **loads** [NA22]. **Lobesia** [AZMD⁺22, CdCAC⁺20, PSM22]. **local** [LSL21, MSL⁺21, MKEH20, MM21, OZSU22, PRdN⁺20, PDGB21]. **localized** [VRW⁺21]. **location** [LDC⁺20]. **lock** [EOÖ21]. **lock-down** [EOÖ21]. **Loess** [SZL⁺21, WXT⁺20]. **Loggerhead** [MZLRSZ21]. **Logistic** [SLC⁺20, PSG21, YXY⁺20]. **London** [CCH20]. **Long** [RSASP22, ABH⁺20, BLB⁺20, JLV⁺21, JSD⁺22, PKO⁺21, SZ20]. **Long-term** [RSASP22, ABH⁺20, BLB⁺20, JLV⁺21, JSD⁺22, PKO⁺21]. **longiceps** [HMVR21]. **longleaf** [JLH⁺21]. **look** [BBSHC22]. **loops**

[RGRMRR20]. **loss** [ALK20, LSL20, LAK20, MMdP⁺21]. **losses** [LLLZ21]. **Lotka** [NMGFOB21]. **Low** [HP20, RM20, MDB⁺20, YXH20]. **low-dose** [YXH20]. **low-input** [MDB⁺20]. **lower** [XZZ⁺22]. **lowland** [HCPG20]. **Loxodonta** [DDG⁺21]. **LPJ** [ERP21]. **LPJ-GUESS-LMfireCF** [ERP21]. **Ltd** [Pas21]. **LUCIA** [WMA21].

Machine [Ano20-51, ASHK22, HSJ⁺20, KKW⁺21, MBFS21, WKL⁺21]. **Macro** [RTH⁺21]. **Macro-symbiosis** [RTH⁺21]. **macroalga** [LFN⁺20]. **macroecology** [GRS⁺20]. **macroscopic** [ZZWF21]. **main** [BNAR⁺21, HLW⁺20, RJY⁺20]. **maintaining** [MSG21a]. **maintenance** [AG22]. **maize** [AMK21, GLK⁺22, WXH⁺22]. **Making** [CSMP21, For20, BVR⁺20, GZK⁺20, JST⁺22, PBS21]. **males** [HLB⁺20]. **mammal** [JSD⁺22]. **mammals** [TSdOCV21]. **managed** [MPCG21].

Management
[Ano20-51, Mea20, ABH⁺20, BH21, BM21, CSMP21, CAB⁺21, DBN⁺22, JLH⁺21, LCMB21, MVC⁺22, NGE⁺21, PGP⁺22, PPH⁺21, dOPdMdS⁺21, PSM⁺21, Pre22, SRÁMH⁺20, WBW⁺20, Yao21, ZCJ⁺20, Mea20]. **Management1** [LL22]. **manatee** [Che21]. **MANGA** [BPN⁺20]. **mangrove** [LK20, ZRMW⁺20, BPN⁺20]. **map** [DLT⁺22, WHdBB21]. **Mapping** [GCS⁺21, PDGB21]. **maps** [LCP⁺20]. **March**
[Ano20h, Ano20t, Ano21h, Ano21t, Ano22k]. **margaritifera** [SLYL⁺20]. **Marginal** [Men22, ESCA22]. **marginalis** [GMM20]. **marginalized** [KCS22]. **Marine** [BDA⁺20, BWS⁺20, BARF20, CNNS⁺21, GRGHM21, HES⁺20, JSD⁺22, KKPR20, MS20, MBFS21, MSML21, MMRBLN20, MZLRSZ21, MBD⁺22, RAB21, SBS⁺21, SMV⁺20, WA20, YD20]. **Marion** [GCSIR22]. **maritima** [HBP⁺21]. **maritime** [YD20]. **Markov** [SOV21]. **marsh** [LBGD21, QZSV21]. **Maryland** [BRBT22]. **mass**
[GRGHM21, LGA20, RWF22]. **Mate** [WZWF20]. **material** [LZF21]. **maternal** [CC20]. **Mathematical** [GGS⁺22, LJP⁺22, WGAH22, BCMV20, GAC⁺21, RWF22, SE20a, SE20b, SvV21, YXY⁺20]. **mathematics** [ZWL⁺21]. **matrices** [TK20a, TTPA21]. **Matrix** [TK20a, CCJK⁺20, CP20, LKO20, LSG21, PTG⁺20, SCB⁺20, SdIP20, XYZR21, dVDC20]. **Matt** [EVT⁺21]. **matter** [AB21, FMSR20, WTT⁺21]. **matters**
[BS20, Fou21, RWS⁺21, VVH⁺20]. **Mauve** [EWE20]. **MaxEnt** [HPMB20, SRTS20, ATP20]. **Maximum**
[dSCdA21, AKM22, GCS⁺21, HMDO20, WT20, XJW21]. **May**
[Ano20i, Ano20u, Ano21i, Ano21u, MBD⁺22, Ano22j]. **mayfly** [KFJS20]. **MCDA** [USA21]. **MCDM** [LJ21]. **meadow** [ALS⁺21]. **measure** [RP22]. **measured** [GCSIR22]. **measurements** [ASHK22]. **Measuring** [DPA21]. **mechanics** [YEL⁺21]. **mechanism** [DDH⁺22, SZL⁺21, YXH20]. **mechanisms** [SINS22]. **mechanistic** [BPW⁺21, CSBS21, EJ20, HMGK20, KN20, KBAC20, MK21, MOS21, RBEH21]. **mediated** [VVH⁺20]. **Mediterranean** [RSC⁺21, AACCS20, BRC⁺21, BCMV20, DAQ20, LPD⁺20, PGSL⁺20, SBF⁺21, SMD⁺20]. **Mediterranean-type** [AACCS20].

meiofauna [vdHNNH⁺20]. **melitensis** [LGFT⁺20]. **mellifera** [JSL⁺20].
Membracidae [PTBFP⁺20]. **memory** [SZ20]. **Mercury** [CB20]. **Merging**
 [RBEH21]. **Meriones** [ZMG⁺21]. **mesic** [ZFT20]. **Mesocarnivores**
 [SOV21]. **Messina** [SGP⁺20]. **meta** [OKS⁺21]. **meta-ecosystems**
 [OKS⁺21]. **metabolic**
 [GSM⁺20, KN20, MTS⁺20, SGLK20, VVH⁺20, XJW21]. **metabolism**
 [BMB21, CLG20, LZF21, MKS21]. **Metacommunity** [LBL22]. **metal**
 [LLW⁺21]. **metallophyte** [BMS⁺20]. **metamodelling** [CGVC21].
metamorphosis [PDG⁺20]. **metaphor** [SGPSzC22]. **metapopulation**
 [FdKO21, FAC22, SdlP20]. **metapopulations** [BSR21, TA20]. **meteorology**
 [JPL21]. **methane** [SMM⁺22]. **method**
 [DL21, For20, FG21, KK20, ML20, PMZ⁺21, SZ20, SDH21].
Methodological [SLB⁺20a, DBDR22]. **Methods** [Mea20, WT20]. **metric**
 [GAM20, OW20]. **metrics** [GSJC22, GWH20, SDSP⁺21]. **Metropolitan**
 [MTP⁺20, AXMJ22, WWC⁺22, SBF⁺21]. **Mexico**
 [MZLRSZ21, RWF22, WSFZ21]. **Michigan** [SLB20b]. **micro**
 [KKP⁺21, PCK⁺22]. **micro-organisms** [KKP⁺21]. **micro-scale** [PCK⁺22].
Microbial [MSL⁺21, KKPR20, YXH20]. **microbiome** [LLZM20].
microbiota [LSL21]. **microclimate** [MK21]. **microclimates** [SVK20].
Microclimc [MK21]. **microcystis** [DAQ20]. **microphytobenthos**
 [vdHNNH⁺20]. **microphytobenthos-meiofauna** [vdHNNH⁺20].
microplastics [BRBT22]. **Micropterus** [LBI⁺20]. **microsimulation**
 [MKR20]. **mid** [KKW⁺21]. **Middle** [XZZ⁺22]. **Middle-lower** [XZZ⁺22].
migration [AKM22, ASL⁺20, BdBG⁺21a, BdBG⁺21b, KiAM⁺20, MBB20,
 SdlP20, W GK⁺21]. **migratory** [ARSC22, DAB⁺20, XCH⁺21]. **mikimotoi**
 [GSJ⁺22]. **milk** [OZSU22]. **minas** [MRR⁺20]. **MinBAR** [RPT21]. **Mini**
 [OKS⁺21]. **Mini-review** [OKS⁺21]. **minimal** [RPT21]. **minimalistic**
 [DDDC21]. **Minimizing** [MTS⁺20]. **mining** [LLW⁺21]. **mirabilis**
 [HBP⁺21]. **missing** [JM22, ŁKPK22, RBVL⁺20, SPV⁺20]. **Missouri**
 [BGK⁺20]. **mite** [MMC⁺21]. **mites** [TCG⁺20]. **Mitigating** [LG20].
mitigation [CLG20, NMC⁺20]. **mixed**
 [DMGP20, HMC20, LhNA⁺21, LhNA⁺22, SRÁMH⁺20, SMD⁺20, TMNA20].
mixing [EVT⁺21, KUK⁺21]. **mixoplankton** [SGTS21]. **mixotrophic**
 [LBPL20]. **mixtures** [Pre22]. **mobile** [FdKO21]. **Model**
 [DLT⁺22, KUK⁺21, RCSS20, TLH⁺20, Tur20, YHC⁺21, AJG22, Abe20,
 AB21, AZMD⁺22, AXMJ22, AS22, AM22, APGD⁺21, ABC⁺22, ACZ⁺21,
 AACCIS20, BKTM20, BPN⁺20, BGS⁺20, BANG20, BGR20, BGCJ21, BA20,
 BST⁺20, BWS⁺20, BNN20, BRBT22, BLSR⁺20, BCMV20, BARF20,
 BDA⁺20, CM21, CdCAC⁺20, Che21, CVTS20a, CVTS20b, CNNS⁺21,
 CGVC21, CMS⁺21, CYP⁺20, Cor20, CAB⁺21, DHW⁺20, DBK20, DAG⁺21,
 DDH⁺22, DGSM21, DDG⁺21, DP20, DBN⁺22, DDDC21, DLZ⁺21, DVVH21,
 DWH⁺21, EL21, EWE20, EBMK20, EHS⁺20, ERP21, FMH⁺20, FC21,
 FAC22, FSZ⁺20, FZS⁺20, GMM20, GGMR20, GRCSA⁺20, GSRB22,
 HMGK20, HMVR21, HBC⁺22, HML⁺22, HES⁺20, HEL⁺21, HCP⁺20,

HLM⁺20, HCX⁺21, HFP20, HFP22, JLH⁺21, JLV⁺21, JPL21, Jia21, JSL⁺20, JSD⁺22, KiAM⁺20, KMH⁺21, KN20, KABL21, KWG⁺22, KD20, Koo20b, KTB⁺21, KKPR20, LGFT⁺20, LDR⁺20, LFN⁺20, LKP⁺20, LBGD21].

model [LBI⁺20, LYC⁺21, LJP⁺22, LZW20, LCW⁺21, LPS⁺21, LNK⁺21, LGA20, LCMB21, MK21, MKR20, MS20, MSML21, MSLMM22, MVAD20, MOS21, MZLRSZ21, MPCG21, MPL⁺20, NWO21, NGA⁺20, NDNN22, NYH20, NMGFOB21, OFH⁺20, PFM⁺21, PVS⁺21, PSM22, PSG21, PPH⁺21, PTG⁺20, PGB⁺20, PMP⁺21, PGdAM⁺20, QZSV21, RWF22, RFJ⁺22, RBMRR20, RJY⁺20, RBEH21, RRS21, RBVL⁺20, SBS⁺21, STQ⁺22, SvV21, SBM⁺22, SMM⁺22, mSzZK⁺21, SACEU⁺21, SDH21, SRB⁺20, SDP21, SBR20, TBCV22, TWL⁺22, TDI⁺20, TKO⁺22, TK20b, VMH⁺21, VVH⁺20, VRS20, WBW⁺20, WRC21, WYJ⁺22, WMA21, WBD⁺22a, WCSX22, WKL⁺21, XYZR21, XLS20, XCZ⁺20, YRK⁺20, YXY⁺20, YLS⁺21, Yu20, YCI20, ZMG⁺21, ZPZ⁺22, ZS20, dVDC20, dFT⁺20, DBDR22].

Model-based [KUK⁺21, WRC21]. **Modeling**

[AJG22, ASHK22, AV22, ABM20, ABRG21, BLLL21, BP21, DCT⁺21, DAG⁺21, JLV⁺21, KCS22, LSA⁺21, LSL21, LCLG20, LSS⁺21, LDXJ22, MEGA21, NKT⁺20, PBH22, PZH⁺21, RKN⁺21, RGD20, SGTS21, SBF⁺21, SCH⁺21, SINS22, SDP21, TCB21, Tsy22, VRW⁺21, VLG⁺20, WXH⁺22, YFW⁺21, YEL⁺21, ZRMW⁺20, AGS⁺21, AHO⁺20, BZZT22, BPL⁺20, DAQ20, EOÖ21, EVHS21, EV22, ERP21, dMFOM⁺20, HBP⁺21, HPMB20, HMDO20, HSD⁺21, HCPG20, JZS⁺21, JM22, KKP⁺21, KFJS20, KBAC20, LJRM⁺20, LBB20, LJP⁺22, LGA20, MVC⁺22, NBML21, NA22, PGP⁺22, dOPdMdS⁺21, Pre22, PCK⁺22, RK20, RBEC21, RBEH21, SLYL⁺20, SHT21, SOV21, SC21, SKH⁺20, TSdOCV21, ZWZ⁺20, vdHNNH⁺20, vdMvDSL20].

Modell [BS20]. **Modelling**

[ABH⁺20, AGP20, BJKT21, BH21, BAR20, CH22, CBW22, CVTS20a, CMG20, CIL⁺20, EWE20, FMSR20, GRGHM21, HLB⁺20, LK20, LRA⁺20, LBPL20, MAN⁺20, NS20, Pas21, PEFW20, PKO⁺21, RSC⁺21, SBS⁺20, SE20a, SGP⁺20, SLB⁺20a, SLB20b, SPPC21, SML⁺20, VMM⁺21, VSK⁺20, WWP20, WXT⁺20, ZSS20, vWVH20, AMK21, Ano20-50, BPW⁺21, BRC⁺21, BdBG⁺21a, BdBG⁺21b, BS20, CDNN⁺20, CSMP21, CN20, DKM⁺21, DWG22, GGS⁺22, GCS⁺21, HKB⁺20, HSP⁺22, HHT21, Kos22, LG20, LSG21, MSG21a, MSL⁺21, dSMPA⁺22, MAD⁺20, MDP21, MDB⁺20, MTT22, MM21, NMC⁺20, OBFH22, PBS21, PMP⁺21, PGSL⁺20, RPG20, RLdM20, SCB⁺20, SRTS20, SVK20, SACEU⁺21, SWF21, TMNA20, WG21, WT20, ZMS20].

models

[AJ22, AS22, ATP20, BWSS21, BLSR⁺20, BVR⁺20, CSZY⁺20, CSBS21, CCJK⁺20, CWH⁺21, CDB⁺20, CIL⁺20, dSCdA21, DAB⁺20, EJ20, FDSM20, Fou21, GSH⁺22, GWH20, GML⁺20, GSM⁺20, GLK⁺22, IBB⁺21, Jag20, JZJ⁺20, LL22, LPHO⁺20, LKO20, MKS21, MBFS21, MMRBLN20, MVAD20, MBS22, MBD⁺22, NGE⁺21, OTR⁺21, OHH⁺21, OW20, OKS⁺21, PGP⁺22, PFK⁺22, PTNR⁺20, RRCZ20, RPT21, SdIP20, SVK20, SOV21, Ste20, TCG⁺20, Tur20, VRS20, WTT⁺21, WBD⁺22b, ZZŠ⁺22, ZFP21, dAdSCA20].

modern [Ano20-49, SACE⁺20]. **Modified** [TLC⁺22, BPB⁺20, CMG20, NS20, YXY⁺20]. **modulate** [TRMB20, VBH20]. **modules** [ZMF⁺20]. **moment** [BLP20]. **Mongolia** [NWO21]. **Mongolian** [ZYM⁺21]. **monitoring** [JZJ⁺20, LL22, PSZ20, Yao21]. **Monod** [WGAH22]. **monoxide** [KKPR20]. **monsoon** [NDNN22]. **montdorensis** [TCG⁺20]. **Monte** [SDH21]. **Monte-Carlo** [SDH21]. **Moroccan** [RKN⁺21]. **Morocco** [JB22]. **morphotypes** [GSM⁺20]. **Morris** [PMZ⁺21]. **Mortality** [PSM22, GRGHM21, LPS⁺21, MKR20, LPS⁺21]. **mosquito** [VMM⁺21, WRC21, WKL⁺21]. **mosquitoes** [HLB⁺20, KWG⁺22, NS20]. **most** [KDC⁺21]. **moth** [LGG⁺22, PVS⁺21, SBR20]. **mountain** [IBB⁺21]. **Mountains** [CWH⁺21]. **Movement** [MKS21, Ano20-50, CDNN⁺20, CNNS⁺21, DDG⁺21, JSD⁺22, PBS21]. **movements** [BLP20, STQ⁺22]. **Multi** [TRMB20, USA21, Ano20-50, AHO⁺20, BGCJ21, BM21, CWH⁺21, EL21, GLA⁺20, Gat21, HLM⁺20, IBB⁺21, JVGC21, MPCG21, PBS21, SRÁMH⁺20, VRS20]. **multi-action** [SRÁMH⁺20]. **multi-armed** [Gat21]. **multi-decadal** [IBB⁺21]. **multi-dimensional** [Ano20-50]. **multi-domainal** [Ano20-50]. **multi-population** [EL21]. **Multi-scale** [TRMB20, CWH⁺21, HLM⁺20, PBS21]. **multi-scaled** [AHO⁺20]. **multi-sensor** [JVGC21]. **multi-species** [BGCJ21, BM21, MPCG21, VRS20]. **multi-trophic** [GLA⁺20]. **multiannual** [PMP⁺21]. **multilayer** [HNC⁺21]. **multimodal** [FCP⁺20]. **multimodel** [LLLZ21]. **Multiple** [SGLK20, ABM20, AM21, CM21, DDL⁺20, GSJ⁺20, LPD⁺20, MM21]. **multispecies** [For20, XYZR21]. **multitrait** [CP20]. **mussel** [FDSM20, RRCZ20]. **mussels** [SLB20b]. **mutualism** [AM21]. **mutualisms** [DAG⁺21]. **mutualistic** [LBL22, YL22]. **my** [LJRM⁺20]. **mycorrhizal** [MGHT20]. **mydas** [SMV⁺20].

N [GSRB22]. **N-fixing** [GSRB22]. **Nacella** [GSM⁺20]. **Nærstad** [HEL⁺21]. **Nanjing** [LDZ21]. **nanoflagellates** [LBPL20]. **Naples** [SBF⁺21]. **Narragansett** [HML⁺22]. **Nash** [SACE⁺20]. **natal** [vdMvDSL20]. **National** [SOV21, BST⁺20, PPH⁺21]. **native** [DP20, MRR⁺20, dOPdMdS⁺21]. **Natural** [Ano20-51, SMD⁺20, BARF20, BDA⁺20, CPAT20, KCS22, LRA⁺20, LGG⁺22, MSG⁺21b, MPL⁺20, TBCV22, WG21, ZPZ⁺22]. **naturalisation** [RPARM20]. **nature** [Ano20-50, HPMB20]. **nearest** [PSZ20]. **nearest-neighbour** [PSZ20]. **need** [MTS⁺20]. **neighbour** [BLP20, PSZ20]. **neighbour-biased** [BLP20]. **Nemopilema** [XFK21]. **Neocloeon** [KFJS20]. **Neotropical** [PTBFP⁺20]. **net** [ASHK22, DP20, SMD⁺20, Yu20, ZCJ⁺20]. **Netherlands** [HSP⁺22, PRdN⁺20]. **Network** [JVGC21, LLZM20, Abe20, BLB⁺20, CB20, CDNN⁺20, DPA21, FDSM20, GCS⁺21, GZK⁺20, LSL20, LLW⁺21, MS20, PPSS22, SRTS20, SZ20, SPV⁺20, ZWL⁺21]. **networks** [BANG20, CCH20, DPA21, EOÖ21, FdKO21, GML⁺20, HMDO20, HNC⁺21, LBL22]. **Neural** [JVGC21, BLB⁺20, CCH20, MS20, SZ20]. **Next** [EHS⁺20, MKS21].

next-generation [MKS21]. **nexus** [DLZ⁺20]. **NFI** [PPH⁺21]. **Niche** [Kos22, ARSC22, BMS⁺20, CIL⁺20, CYP⁺20, Cor20, Fou21, JS22, LLZM20, MMRBLN20, SACEU⁺21, TSdOCV21, WCF⁺22, ZFP21]. **Nile** [KWG⁺22]. **Nitocra** [KD20]. **nitrogen** [BH20, FSZ⁺20, FZS⁺20, KKP⁺21, LLLZ21, PGSL⁺20, RLdM20, SMM⁺22, Ste20, YG21, ZMF⁺20, ZZWF21]. **nitrous** [ZMF⁺20, ZPZ⁺22]. **no** [Koo20b, CCH20]. **nobilis** [GRGHM21, HMGK20]. **noctiluca** [EWE20]. **noise** [JSD⁺22]. **nominal** [PPSS22]. **nomurai** [XFK21]. **non** [CWH⁺21, MOS21, vWVH20]. **non-attentional** [vWVH20]. **non-invadable** [MOS21]. **non-representative** [CWH⁺21]. **Nonlinear** [Vas20]. **North** [SGTS21, PTNR⁺20]. **northeast** [XLS20, MSG⁺21b]. **Northeastern** [HLH⁺21]. **northern** [BGCJ21, SLLW21, RSC⁺21]. **Norway** [HEL⁺21]. **Novel** [LSG21, BANG20, DDH⁺22, ILLM20, Jia21, SBS⁺21, TWL⁺22, WT20]. **November** [Ano20j, Ano20v, Ano21j, Ano21v]. **Number** [CWF⁺21]. **numbers** [CAB⁺21]. **numerical** [AB21, SZL⁺20]. **nungara** [Fou21]. **nutrient** [FWK⁺20, HCPG20, Vas20, YXH20, ZZŠ⁺22, ZWZ⁺20]. **nutrient-deficient** [YXH20]. **nutrient-removal** [HCPG20]. **nutrients** [BH21, RKN⁺21]. **nutritional** [LBPL20]. **Nutritionally** [CAFT22].

oak [EVT⁺21, NYH20, PGSL⁺20]. **Obama** [Fou21]. **objectives** [DDL⁺20]. **observation** [SOV21]. **observations** [ACZ⁺21]. **observed** [BVR⁺20]. **occupancy** [DL21, SOV21]. **Ocean** [APGD⁺21, RRCZ20, ACZ⁺21, KiAM⁺20, LHDBN20]. **oceanic** [KNP⁺21, WSFZ21]. **oceanography** [LHDBN20]. **oceans** [ZGG22]. **October** [Ano20k, Ano20w, Ano21k, Ano21w]. **ODD** [Gri20]. **ODE** [RRSG21]. **ODE-based** [RRSG21]. **off** [CP20, KiAM⁺20]. **offs** [DSC⁺21]. **oil** [HMVR21]. **Okhotsk** [PA20]. **old** [LDZ21]. **oleae** [PVS⁺21]. **olgensis** [XLS20]. **Oliv** [ZWL⁺21]. **olive** [PVS⁺21]. **Oncorhynchus** [BLLL21]. **one** [DBK20, TCB21]. **one-dimensional** [DBK20]. **only** [GWH20, MBD⁺22]. **ontogenetic** [mSszZK⁺21]. **open** [LGA20]. **operating** [MM21]. **operational** [DLT⁺22, MVC⁺22]. **Operationalising** [DBDR22]. **opinions** [WBD⁺22b]. **opportunistic** [EMH⁺22, TCB21, VMH⁺21]. **opportunities** [AGS⁺21, LSG21, MKEH20]. **Optimal** [BPB⁺20, CC20, DMPLHGL20, LJ21, RBMRR20, VBH20]. **Optimisation** [TLH⁺20]. **Optimising** [DDL⁺20]. **Optimization** [MTP⁺20, WCSX22, FCP⁺20, HBC⁺22, RK20]. **optimizing** [NGE⁺21]. **option** [KMH⁺21]. **ordinal** [PPSS22]. **organic** [AB21, JLV⁺21, MAD⁺20, MLP⁺20, MPL⁺20]. **organisms** [Jia21, KKP⁺21]. **organization** [YEL⁺21]. **organizing** [EL21, LCP⁺20]. **oriental** [LhNA⁺21, LhNA⁺22]. **orientalis** [LhNA⁺21, LhNA⁺22]. **oriented** [CM21, PTNR⁺20]. **origin** [DLZ⁺20]. **OSMOSE** [XCZ⁺20]. **OSMOSE-JZB** [XCZ⁺20]. **outbreak** [BJKT21, Gat20]. **outcome** [vDC20]. **outcomes** [MKS21]. **outdoor** [CCH20]. **output** [HLM⁺20]. **outputs** [AVRC⁺20]. **over-harvesting** [PBH22]. **overhead** [LZSQ20].

overprediction [MVAD20]. **Overview** [HSD⁺21]. **owls** [CWH⁺21]. **oxidation** [KKPR20]. **oxide** [ZMF⁺20, ZPZ⁺22]. **oxygen** [YFW⁺21]. **oyster** [YEL⁺21]. **ozone** [EOÖ21].

P [Mea20, SDP21, Pas21]. **P-I** [SDP21]. **Pacific** [BWS⁺20, dMFOM⁺20, GGMR20, KiAM⁺20]. **package** [GSJC22, OSH⁺21, RPT21, SGPSzC22]. **paddy** [HCX⁺21, SMM⁺22]. **Pairwise** [SPV⁺21, MEPJ21]. **Pakistan** [SLY⁺21]. **pandemic** [EOÖ21]. **Panopea** [LCMB21]. **panther** [CB20]. **paradigm** [AG22]. **paradox** [MYH⁺20]. **parameter** [EJ20, MTT22, TDI⁺20]. **Parameterisation** [RJY⁺20, RRCZ20, MPL⁺20]. **parameterization** [FCP⁺20, KKPR20, PTG⁺20, FZS⁺20]. **parameters** [AS22, BGCJ21, HCX⁺21, JPL21, KD20, LAK20, MSLMM22, MLP⁺20, SC21, XCZ⁺20]. **parametric** [RP22, WBD⁺22b]. **parasite** [EBMK20, GRGHM21, TA20]. **parasite-produced** [GRGHM21]. **parasitic** [BPW⁺21]. **parasitism** [MMC⁺21, Oku21, dFT⁺20]. **parasitoid** [BMRF21, Oku21, SE21]. **parthenogenetic** [KFJS20]. **partial** [VMM⁺21]. **passive** [BVR⁺20]. **past** [BPL⁺20]. **Patagonia** [AM22]. **patch** [CDNN⁺20, FdKO21, LSL20]. **patches** [AKM22, CAFT22]. **pathogen** [AV22]. **pathway** [vdHNH⁺20]. **pathways** [MBB20]. **pattern** [FdKO21, HLM⁺20, SLC⁺20]. **patterning** [LCP⁺20]. **patterns** [CLPZ20, CDB⁺20, GCSIR22, LDR⁺20, LZP21, PKO⁺21, WZHP21, WWC⁺22, ZPZ⁺22, ZZW⁺22]. **PCA** [LNK⁺21]. **PCA-SEM-ANN** [LNK⁺21]. **Pearl** [CL21]. **peatland** [BST⁺20, RGD20]. **peatlands** [BST⁺20]. **pedology** [CM21]. **PEG** [EL21]. **Pelagia** [EWE20]. **pelagic** [SLB⁺20a, SINS22, SZL⁺20, WLLW20]. **pelagicus** [RM20]. **penguins** [Koo20a]. **percolation** [HFP20, HFP22]. **percolation-based** [HFP22]. **Performance** [KTB⁺21, PTBFP⁺20, RM20, VMH⁺21, VRS20, XCZ⁺20]. **peri** [RBEC21, USA21]. **peri-urban** [RBEC21, USA21]. **period** [EOÖ21]. **periodic** [KK20]. **Periphyton** [HKH⁺20]. **permafrost** [LCW⁺21]. **persistence** [FdKO21, LSA⁺21, LJP⁺22]. **Persistent** [CCJK⁺20, LKO20, MLP⁺20, MPL⁺20]. **perspective** [CBW22, CN20, LSL21, SE20a, SE20b]. **perturbations** [CTL22, WA20]. **PEST** [MTT22, BPW⁺21, BJKT21, JBF22, LRA⁺20, NGE⁺21, PVS⁺21, PEFW20, PSM⁺21, RCSS20]. **pesticide** [PEFW20, dVDC20]. **pests** [PSM⁺21, WGK⁺21]. **petraea** [EVT⁺21, NYH20]. **petrels** [Koo20a]. **PEWI** [CVTS20a, CVTS20b]. **PG** [NYH20, XLS20]. **phenModel** [PGdAM⁺20]. **Phenological** [KFJS20, CdCAC⁺20, HCX⁺21]. **phenology** [LPHO⁺20, NYH20, OFH⁺20, PGdAM⁺20]. **phenology/voltinism** [PGdAM⁺20]. **phenomenological** [HFP20]. **phenomenology** [HFP22]. **philopatry** [BR22]. **phosphate** [GSJ⁺22]. **Phosphorus** [ADR21, HSJ⁺20, SLB20b, YG21, ZWZ⁺20]. **photography** [KKW⁺21]. **photoperiod** [SBR20]. **photoperiod-driven** [SBR20]. **photosynthesis** [Yu20]. **Phragmites** [YXY⁺20]. **PHREEQC** [MTT22]. **phylogeny**

[SPV⁺21]. **physical** [AZMD⁺22, FMH⁺20]. **physics** [GRS⁺20].
physiognomies [DDDC21]. **physiological** [DPC20, RRS21].
Phytoplankton [PA20, TMNA20, ACZ⁺21, HMC20, MYH⁺20, MS20, MBFS21, OSH⁺21, RKN⁺21, SINS22, Vas20, ZGG22]. **pigmentation** [OSH⁺21]. **Pinctada** [SLYL⁺20]. **pine** [EVT⁺21, JLH⁺21, ML20].
pine-hardwood [JLH⁺21]. **pink** [JZJ⁺20]. **pink-footed** [JZJ⁺20]. **Pinna** [GRGHM21, HMGK20]. **pinniped** [WWP20]. **Pinus** [EVT⁺21]. **pioneering** [Ano20-49]. **Pityogenes** [OFH⁺20]. **place** [CNNS⁺21]. **plague** [RWS⁺21].
Plains [ZFT20]. **planarian** [Fou21]. **plankton** [EL21, MSML21, PCK⁺22].
planktonic [MBS22]. **Planning** [MTP⁺20, CL21, DLT⁺22, SRÁMH⁺20, SACE⁺20]. **Plant** [LM21, RMK21, TK20a, WXT⁺20, CWF⁺21, DAG⁺21, ERP21, HLW⁺20, HHT21, JBF22, KKP⁺21, LSA⁺21, MGHT20, MPCG21, PMP⁺21, QZSV21, SVK20, VPV21, WMA21, WTT⁺21, WCF⁺22, YL22, YLS⁺21, ZMS20].
plant-animal [WMA21]. **plant-pest** [JBF22]. **plant-pollinator-herbivore** [YL22]. **Plant-Water** [WXT⁺20]. **plantation** [MSG⁺21b]. **plantations** [XLS20]. **planted** [WXH⁺22]. **planthopper** [NDNN22]. **planting** [MRR⁺20]. **plants** [LC20]. **Plateau** [APGD⁺21, SZL⁺21, ALS⁺21, WXT⁺20, ZPZ⁺22, ZYM⁺21]. **plausible** [Koo20b]. **plays** [MSG21a]. **PM** [SBF⁺21]. **poaching** [NMC⁺20]. **point** [GSH⁺22, LJRM⁺20]. **Poland** [ZA20]. **polder** [YG21]. **poleward** [LK20].
policies [CL21, DWG22]. **pollination** [CAFT22, JSL⁺20, PDGB21, SPV⁺20, SPV⁺21]. **pollinator** [YL22].
pollinators [RMK21]. **pollutants** [MLP⁺20, MPL⁺20]. **pollution** [BH21, DBK20]. **polyactis** [RJY⁺20]. **polychaete** [GLA⁺20].
Pommerening [Mea20]. **pond** [YFW⁺21]. **ponds** [BGR20, NBML21]. **pool** [CM21]. **pools** [SGP⁺20]. **poplar** [CSZY⁺20]. **Population** [MMC⁺21, TTPA21, VVH⁺20, XFK21, APGD⁺21, CCJK⁺20, CP20, CAB⁺21, DKM⁺21, EL21, EVHS21, FC21, JZJ⁺20, KLA⁺20, LP22, LGA⁺21, LKO20, LSG21, LCMB21, NS20, NGA⁺20, NGE⁺21, NBMD21, Oku21, PSM22, PSG21, SE21, SLC⁺20, SBR20, TK20a, TRMB20, VSK⁺20, WZWF20, WGAH22, Yao21]. **populations** [APF21, BGS⁺20, FSZ⁺20, FZS⁺20, GSJ⁺20, KK20, LSA⁺21, LBI⁺20, LGA⁺21, OSH⁺21, PEFW20, RM20, RCSS20, SDD⁺20, dVDC20].
porewater [ZRMW⁺20]. **porpoise** [HSF⁺20]. **portfolio** [SACE⁺20].
positive [ZWZ⁺20]. **possible** [CSMP21, LLZM20, MSG21a, PR21]. **post** [DWH⁺21, vdMvDSL20, GGMR20]. **post-ENSO** [GGMR20].
post-exposure [DWH⁺21]. **post-natal** [vdMvDSL20]. **potato** [HEL⁺21, OHH⁺21]. **Potential** [LhNA⁺21, MRR⁺20, BS20, CNSK21, CN20, DCT⁺21, DL21, GLA⁺20, LDXJ22, MEGA21, NA22, PDGB21, YCK20, LhNA⁺22]. **Power** [KLS20].
Power-law [KLS20]. **Poyang** [HSF⁺20]. **Practice** [Ano20-51, LSG21].
practices [BCM20, TLC⁺22, TCS21]. **Prays** [PVS⁺21]. **pre** [LDC⁺20].
pre-processing [LDC⁺20]. **Precipitation** [WXT⁺20, LM21]. **precision**

[YHC⁺21]. **precocial** [CC20]. **predation**
 [CKC20, LK20, MAN⁺20, VVH⁺20, vWVH20]. **predator**
 [dSCdA21, MAN⁺20, MF20, SGP⁺20, SQDM21, TCG⁺20, dAdSCA20].
predators [BSE21, PBH22]. **predatory** [TCG⁺20]. **predict**
 [CdCAC⁺20, CYP⁺20, Cor20, DVVH21, JPL21, Jia21]. **Predictability**
 [BH20]. **predicted** [FS22]. **Predicting** [HKB⁺20, HSJ⁺20, HMDO20,
 dSMPA⁺22, NA22, SDD⁺20, SMM⁺22, VVH⁺20, WSN⁺21, vdMvDSL20,
 FG21, KTB⁺21, MKS21, STQ⁺22, Ste20, SPV⁺21]. **prediction**
 [GWH20, LJP⁺22, LLLZ21, LNK⁺21, SZ20, XZZ⁺22]. **predictions**
 [ABC⁺22, EVHS21, For20]. **predictive**
 [EJ20, JLH⁺21, TDI⁺20, VRS20, YCI20]. **preferences**
 [DDL⁺20, PTNR⁺20, VRS20]. **Presence** [GWH20, CIL⁺20, HBP⁺21].
Presence-only [GWH20]. **Preservation** [DS21]. **preserving** [AM22].
pressure [DSC⁺21, GJC⁺20]. **prevalence** [GWH20]. **prevent** [GRCSA⁺20].
prevention [BJKT21, GZK⁺20]. **prey** [BSE21, dSCdA21, MAN⁺20, MF20,
 SGP⁺20, SQDM21, TCG⁺20, dAdSCA20]. **prey-predator** [SGP⁺20].
primary [DP20, GAC⁺21, GLK⁺22, HMC20, HCX⁺21, KUK⁺21, MS20,
 MBFS21, SDP21, Yu20, ZCJ⁺20]. **principles** [BPN⁺20]. **prior**
 [BWS⁺20, TTPA21, VRS20]. **prioritization** [HPMB20]. **probabilistic**
 [DBH⁺22]. **problem** [LKO20, FSZ⁺20]. **problems**
 [CCJK⁺20, LCLG20, TK20b]. **procedure** [EJ20, PEFW20]. **Process**
 [Por21, GSH⁺22, HSJ⁺20, HEL⁺21, HCPG20, KTB⁺21, LJRM⁺20, LCW⁺21,
 MPCG21, NWO21, OKS⁺21, PTNR⁺20, WGK⁺21, ZPZ⁺22]. **process-based**
 [HEL⁺21, HCPG20, KTB⁺21, LCW⁺21, MPCG21, NWO21, OKS⁺21,
 ZPZ⁺22]. **process-guided** [HSJ⁺20]. **process-oriented** [PTNR⁺20].
Processes [YHC⁺21, AJG22, EL21, LCW⁺21, MM21, QZSV21, SHT21,
 TRMB20, Tsy22, WTT⁺21]. **processing** [LDC⁺20]. **produced** [GRGHM21].
Production [TLH⁺20, AAC20, BLLL21, DP20, ESCA22, GLK⁺22, HMC20,
 HCX⁺21, KUK⁺21, MTS⁺20, MS20, MBFS21, MEGA21, MGdM⁺20,
 NBMD21, OZSU22, SLY⁺21, SMD⁺20, SDP21, TKO⁺22, XLS20].
production-irradiance [SDP21]. **Productivity**
 [LB21, HCP⁺20, KDH⁺21, NYH20, SE20a, SE20b, SHT21, Yu20, ZCJ⁺20].
products [ACZ⁺21]. **profiles** [EMH⁺22]. **program** [HSD⁺21].
Programming [BM21, SRÁMH⁺20]. **programs** [JZJ⁺20]. **progress**
 [ZZWF21]. **Project** [XZZ⁺22]. **Projected** [ZFT20]. **Projecting**
 [SLLW21, YPS⁺21, APF21]. **projection** [CP20, KK20, PFK⁺22, TK20a].
Projections [KNP⁺21, TTPA21]. **projects** [DYW⁺22]. **prolifera** [SRB⁺20].
promote [LGG⁺22]. **promotes** [AM21]. **promoting** [Yao21, BCMV20].
prone [ABRG21]. **Proof** [BRBT22]. **Proof-of-concept** [BRBT22].
propagules [LBB20]. **prospect** [DLZ⁺20]. **prospective** [BH21]. **protected**
 [SvV21]. **protection** [ZYK22]. **protocol** [Gri20]. **protozoa** [JZS⁺21].
Province [LZSQ20, MDB⁺20, ZSS21, ZLML20]. **provincial** [SLY⁺21].
provincial-scale [SLY⁺21]. **provision** [MEGA21]. **pseudoharengus**
 [NGA⁺20]. **pteropods** [EV22]. **public** [CVTS20a, CVTS20b]. **Publishing**

[Mea20, Pas21]. **Puma** [CB20]. **PVA** [LBGD21].

Q [MBMV20]. **Qinghai** [ALS⁺21, Yu20, ZPZ⁺22]. **Qinghai-Tibet** [ALS⁺21, Yu20]. **QtAC** [SGPSzC22]. **qualitative** [FDSM20, HKB⁺20, RBEC21]. **qualitatively** [CLPZ20]. **quality** [BZZT22, BLLL21, EMH⁺22, HCP⁺20, MSL⁺21, SBF⁺21, SC21, VMH⁺21]. **Quantification** [HLW⁺20]. **quantify** [DYW⁺22, Jia21]. **Quantifying** [AG22, HCPG20, LGA⁺21, SMP20, TKO⁺22, PRdN⁺20, SRB⁺20]. **Quantitative** [vdHNH⁺20, For20, PSW22]. **quantitatively** [CLPZ20]. **quantities** [LCMB21]. **quantization** [MBS22]. **Quercus** [EVT⁺21, NYH20]. **quick** [Tur20]. **quick-start** [Tur20].

R [GSJC22, OSH⁺21, SGPSzC22]. **R-package** [SGPSzC22]. **radiation** [DWH⁺21, VSK⁺20, YXH20]. **rainfall** [FS22]. **rainfed** [TKO⁺22]. **rainforest** [AHO⁺20]. **Random** [SOV21, MLL20]. **randomly** [TK20a]. **range** [KKW⁺21, LK20]. **rangeland** [CPAT20, FS22]. **rangelands** [AJG22]. **ranging** [DGSM21]. **ranked** [PPSS22]. **ranking** [EJ20, ILLM20, PMZ⁺21]. **rapid** [ZGG22]. **raptor** [STQ⁺22]. **rare** [TTPA21]. **rate** [CYP⁺20, Cor20, DP20, KN20, SE20a, SE20b, XJW21]. **rates** [APF21, HFP22, JST⁺22, KABL21, RWF22]. **ratio** [WZWF20]. **ration** [DMPLHGL20]. **Re** [SdlP20, AG22]. **re-analysis** [AG22]. **Re-scaling** [SdlP20]. **reaction** [RBEH21]. **reactive** [ZZWF21]. **real** [LJP⁺22]. **real-time** [LJP⁺22]. **realistic** [PCK⁺22]. **Realities** [Por21]. **recommendations** [EMH⁺22, HSD⁺21]. **Reconciling** [MGdM⁺20]. **Reconsiderations** [GSRB22]. **Reconstructing** [ZZW⁺22]. **recovery** [GCS⁺21]. **recreation** [GCS⁺21]. **recreational** [WBW⁺20]. **recruitment** [AJ22, PYD⁺21a, PYD⁺21b]. **Red** [MSG21a, VSK⁺20, MVC⁺22]. **reduce** [CAB⁺21]. **reduced** [VRW⁺21]. **reduction** [Che21, MKR20, Pre22]. **reed** [YXY⁺20]. **reef** [GGMR20, YEL⁺21]. **reefs** [CN20]. **refining** [CB20]. **reflect** [TLC⁺22]. **Reflections** [WG21]. **Reformulation** [RCSS20]. **regarding** [VRS20]. **regeneration** [QZSV21]. **regime** [LDXJ22]. **regimes** [AACCIS20, LM21]. **region** [AZMD⁺22, BS20, LZF21, MEGA21, PZH⁺21, TLH⁺20, Yu20, SLLW21]. **regional** [ERP21, KMH⁺21, KTB⁺21, OZSU22, WKL⁺21, ZA20]. **regions** [AMK21, BCMV20, GLK⁺22, NWO21]. **regression** [JPL21, YCI20]. **Regular** [SLC⁺20]. **regulated** [BS21]. **regulates** [SLC⁺20]. **regulation** [BMB21, SBF⁺21]. **regulations** [PGB⁺20]. **reinforcement** [SZL⁺21]. **relascope** [PSW22]. **related** [Kos22, TKO⁺22, WTT⁺21, ZZŠ⁺22]. **relationship** [CLPZ20, MZLRSZ21]. **relationships** [Vas20]. **Relative** [EL21, QZSV21, WBD⁺22b]. **relay** [DDH⁺22]. **release** [HLB⁺20, ZWZ⁺20]. **relevant** [GCSIR22]. **relictus** [ILLM20]. **reload** [GRS⁺20]. **remote** [HMDO20, ILLM20, KCHZ21]. **removal** [HKH⁺20, HCPG20, RGD⁺22, SBF⁺21]. **renewal** [LDZ21]. **reoligotrophication** [KUK⁺21]. **repeat** [KKW⁺21]. **reporting**

[BST⁺20, DLT⁺22]. **representation** [KBAC20, SDSP⁺21, WGK⁺21]. **representative** [CWH⁺21]. **Representing** [BA20]. **reproducible** [LGA20]. **reproduction** [APF21, DWH⁺21, KK20, MSG21a, RTH⁺21, SGLK20, SMV⁺20]. **requires** [PCK⁺22, YL22]. **Research** [ZZWF21, BZZT22, Fat21]. **reserve** [CTL22]. **reservoir** [DAQ20, ZMG⁺21]. **reservoirs** [SC21, SZ20, Ste20]. **residencies** [BVR⁺20]. **resident** [MGHT20]. **residues** [DCT⁺21, MEGA21]. **resilience** [DBDR22, HSP⁺22, JST⁺22, RGRMRR20, SBM⁺22]. **resistance** [WXH⁺22, dVDC20]. **resolution** [ACZ⁺21, BRC⁺21, CDB⁺20, LBGD21]. **resolutions** [ATP20]. **resolved** [DMGP20]. **resolves** [HES⁺20]. **Resource** [LL22, HLW⁺20, KN20, RK20, TK20b, WGAH22]. **resource-based** [WGAH22]. **Resources** [Ano20-51, BNAR⁺21, CDNN⁺20, RK20, ZA20]. **respiration** [AG22, TDI⁺20]. **respond** [RLdM20]. **responding** [LCP⁺20]. **Response** [BPL⁺20, Por21, YCK20, BS21, BA20, GSJ⁺22, SQDM21, TRMB20, ZFT20, ZZŠ⁺22, dAdSCA20]. **responses** [Che20, FWK⁺20, LJP⁺22, SRK⁺20, WSN⁺21]. **resprout** [ABRG21]. **restoration** [ZRMW⁺20]. **restored** [CWF⁺21, WCF⁺22]. **restoring** [SDD⁺20]. **RESTREND** [ZYM⁺21]. **RESTREND-based** [ZYM⁺21]. **Results** [MKR20, KCHZ21, ZFT20]. **retention** [Ste20]. **reveal** [CTL22, PR21]. **revealed** [EL21]. **reveals** [CP20, SPV⁺20, SBR20]. **Review** [WYJ⁺22, ABM20, BZZT22, MMRBLN20, OKS⁺21, SDH21, WGAH22]. **reviews** [Fat21]. **revised** [PTG⁺20]. **Revisiting** [Jag20, MPL⁺20]. **Rican** [AHO⁺20]. **rice** [HCX⁺21, MVC⁺22, NDNN22, SMM⁺22, TKO⁺22]. **rich** [CAFT22]. **richness** [VPV21]. **ricinus** [WBD⁺22b]. **RIDL** [NS20]. **right** [WHdBB21]. **Rim** [YD20]. **risk** [CB20, GZK⁺20, HP20, HEL⁺21, LBI⁺20, LLW⁺21, Oku21, TCB21]. **River** [CL21, BS21, KSJ22, LDC⁺20, SRTS20, Yao21, BH21, GJC⁺20, MBB20, TLH⁺20, XZZ⁺22]. **riverine** [CSBS21, LBI⁺20]. **robur** [EVT⁺21]. **robusta** [KTB⁺21]. **Robustness** [LSL20, LBL22]. **rocky** [SBS⁺20, CWH⁺21]. **rocky-shore** [SBS⁺20]. **role** [JSL⁺20, MSG21a, PSM⁺21, SRTS20, TA20]. **roles** [EL21, RSC⁺21]. **Romagna** [MEGA21]. **roofs** [MKR20]. **root** [AG22, HFP20, HFP22, PMP⁺21, SZL⁺21, YLS⁺21]. **root-soil** [HFP20, HFP22]. **rotation** [XLS20]. **Rothamsted** [JLV⁺21]. **Rpath** [LGA20, WA20]. **ruminant** [MDB⁺20]. **run** [BLLL21]. **runoff** [NA22]. **rural** [CNSK21, HCPG20].

S [FSZ⁺20, FZS⁺20]. **Sable** [HBP⁺21]. **Saccharina** [VLGG⁺20]. **Sacramento** [BLLL21]. **sacrorum** [SZL⁺21]. **safe** [DP20]. **safeguarding** [XCH⁺21]. **saira** [KiAM⁺20]. **salinity** [LYC⁺21, ZRMW⁺20]. **Salish** [KNP⁺21]. **salmon** [BLLL21, HP20, MBB20]. **salmonid** [MM21]. **salmonids** [MM21]. **sample** [GWH20]. **samples** [JM22, RGD⁺22]. **Sampling** [PSW22, CWH⁺21, VPV21]. **sanctioning** [LL22]. **sand** [SWF21]. **Sanggou** [FMH⁺20]. **sardine** [HMVR21, PYD⁺21a, PYD⁺21b]. **Sardinella** [HMVR21, PYD⁺21a, PYD⁺21b]. **SARS** [CYP⁺20, Cor20]. **SARS-CoV-2**

[CYP⁺20, Cor20]. **satellite** [CSZY⁺20]. **saturation** [dSCdA21]. **saury** [KiAM⁺20]. **savanna** [ABRG21, DDG⁺21, DDDC21, MMdP⁺21, YCK20]. **savannas** [WMA21]. **saved** [SCH⁺21]. **scale** [AJ22, CBW22, CLPZ20, CWH⁺21, CYP⁺20, Cor20, FWK⁺20, HBP⁺21, HLM⁺20, JSD⁺22, Kos22, KTB⁺21, PDGB21, PBS21, PMP⁺21, PCK⁺22, STQ⁺22, SdlP20, SLY⁺21, TRMB20, VPV21]. **scaled** [AHO⁺20]. **scales** [ATP20, BAR20, DKM⁺21, KMH⁺21, MKS21, MM21, OZSU22]. **scaling** [SdlP20, XJW21]. **scarce** [GSRB22]. **scarcity** [RSASP22]. **Scavengers** [PR21]. **scenario** [DSC⁺21]. **scenario-based** [DSC⁺21]. **scenarios** [SBM⁺22, SMV⁺20]. **scene** [TWL⁺22]. **scheme** [VPV21]. **schemes** [BJKT21]. **Schichaa** [TCG⁺20]. **science** [EMH⁺22, JMM⁺20, LJRM⁺20, VMH⁺21]. **Scots** [ML20]. **screening** [PMZ⁺21]. **SDM** [LJRM⁺20]. **Sea** [RSC⁺21, SRB⁺20, AJ22, APGD⁺21, EVHS21, GGMR20, LHDBN20, LBB20, MM21, RM20, WBW⁺20, WBD⁺22a, BNN20, EWE20, GSJ⁺20, KNP⁺21, PA20, PTNR⁺20, SGTS21, SRK⁺20]. **seabass** [DHW⁺20]. **seabird** [ARSC22]. **Seamlessly** [LZW20]. **Searching** [BWSS21]. **Seaside** [HBP⁺21]. **Seasonal** [ZWZ⁺20, BMB21, HMVR21, KABL21, XYZR21, ZS20]. **seasonality** [MMC⁺21]. **seaweed** [FMH⁺20, WT20]. **section** [LDC⁺20]. **security** [GHbS21, LPA⁺21]. **sediment** [HKH⁺20, LCLG20, NA22, ZWZ⁺20]. **Seed** [LKO20]. **segregation** [Kos22]. **select** [VPV21]. **Selection** [BS20, LJ21, SM20, WT20, dVDC20]. **Selective** [ZGC22, BdBG⁺21a, BdBG⁺21b]. **self** [EL21, GSH⁺22, KBAC20, LCP⁺20, YEL⁺21]. **self-exciting** [GSH⁺22]. **self-organization** [YEL⁺21]. **self-organizing** [EL21, LCP⁺20]. **self-shading** [KBAC20]. **SEM** [LNK⁺21]. **semelparous** [TK20a]. **Semi** [AZMD⁺22, FS22, NWO21]. **semi-arid** [FS22, NWO21]. **semiarid** [PGSL⁺20]. **sensing** [ILLM20, LDR⁺20]. **sensitive** [GWH20]. **Sensitivity** [CGVC21, HLH⁺21, MLP⁺20, OFH⁺20, PMZ⁺21, SC21, WXT⁺20, vDC20, BGCJ21, BLSR⁺20, HEL⁺21, PFM⁺21, TK20b, WA20]. **sensor** [JVGC21]. **Sentinel** [CSZY⁺20]. **Sentinel-2** [CSZY⁺20]. **Separating** [GSH⁺22]. **September** [Ano20l, Ano20x, Ano21l, Ano21x]. **Sequential** [SDH21]. **series** [LCP⁺20]. **service** [CVTS20a, CVTS20b, GZW⁺20, JSL⁺20, MEGA21, PDGB21]. **services** [ABM20, BDA⁺20, CAFT22, CL21, LL21, LPD⁺20, PGP⁺22, PRdN⁺20, XCH⁺21, YPS⁺21]. **sessile** [NYH20]. **sets** [BS20]. **several** [GLK⁺22]. **severity** [AB21]. **sex** [WZWF20]. **sexual** [MSG21a]. **Shaanxi** [LZSQ20]. **shading** [GZW⁺20, KBAC20]. **shallow** [YXY⁺20]. **shape** [CIL⁺20]. **shape-constrained** [CIL⁺20]. **shark** [KCHZ21]. **shawi** [ZMG⁺21]. **sheep** [DGSM21]. **Shelf** [PTG⁺20]. **shelled** [EV22]. **shellfish** [GMM20, PGB⁺20]. **shift** [LhNA⁺21, LhNA⁺22, LDXJ22]. **shocks** [JST⁺22]. **shore** [SBS⁺20]. **shoreline** [MSL⁺21]. **short** [BP21, EVHS21, LCP⁺20, SZ20]. **short-term** [EVHS21]. **short-time** [LCP⁺20]. **should** [RAB21]. **shows** [GGMR20, SG20]. **shrimp** [dMFOM⁺20, RWF22]. **shrub** [ALS⁺21].

shrub-meadow [ALS⁺21]. **sickness** [Gat20]. **sightings** [WWP20]. **sign** [WSFZ21]. **signal** [GSH⁺22]. **significantly** [CAFT22]. **silico** [PNGESS21, dFT⁺20, PSM⁺21]. **similar** [ML20]. **simple** [MM21, TDI⁺20]. **simplified** [Jag20]. **Simplifying** [CGVC21]. **SIMREG** [PPH⁺21]. **simulate** [DDH⁺22, DBN⁺22, EHS⁺20, LPHO⁺20, MPCG21, PPH⁺21]. **Simulated** [SMV⁺20, LCW⁺21]. **Simulating** [ADR21, EVT⁺21, KDH⁺21, PBS21, WGK⁺21, YLS⁺21, AMK21, LPS⁺21]. **Simulation** [ASL⁺20, LZW20, AXMJ22, BSR21, CM21, CLG20, DPA21, DPC20, FZS⁺20, LKP⁺20, LP22, MTT22, NGA⁺20, OHH⁺21, SG20, TBCV22, Tur20, WWC⁺22, WMA21]. **simulation-based** [DPA21]. **Simulations** [LPL22, DMGP20, PR21, RRCZ20, WA20]. **simulator** [KWG⁺22]. **simultaneous** [MTT22, RMK21]. **simultaneously** [GSJ⁺20]. **sinensis** [ZWL⁺21]. **single** [GAM20]. **site** [EVHS21, WT20]. **sites** [WWP20]. **size** [BGCJ21, DMPLHGL20, HES⁺20, LP22, MBS22, PSZ20, RGD⁺22, WZHP21, XYZR21, ZZŠ⁺22]. **size-spectrum** [HES⁺20]. **size-structured** [MBS22, XYZR21]. **sketches** [LLZM20]. **Skudai** [BH21]. **slope** [ETA AH21, SZL⁺21]. **slow** [LM21]. **small** [APF21, CSMP21, RJY⁺20, SLB⁺20a]. **smallmouth** [LBI⁺20]. **Sociability** [BSR21]. **social** [AAC20, BGS⁺20, GCS⁺21, PHL20, RTH⁺21]. **social-ecological** [PHL20]. **Socio** [DS21, LPD⁺20, OBFH22, RBEC21, WG21]. **Socio-Ecological** [DS21, LPD⁺20, OBFH22, RBEC21, WG21]. **socio-environmental** [WG21]. **soft** [vdH NH⁺20]. **soft-bottom** [vdH NH⁺20]. **Soil** [TK20b, AMK21, AB21, BMS⁺20, CM21, DCT⁺21, DPA21, ETA AH21, HFP20, HFP22, KKP⁺21, LLLZ21, LCW⁺21, LSS⁺21, LLW⁺21, MSG⁺21b, MTT22, PSM⁺21, RGD20, TLC⁺22, TDI⁺20, YG21, ZRMW⁺20]. **soil-dwelling** [PSM⁺21]. **soils** [SMM⁺22]. **sole** [MLP⁺20, MPL⁺20]. **Solea** [MLP⁺20, MPL⁺20]. **solution** [JVGC21, SACE⁺20]. **solutions** [MTT22]. **solving** [MYH⁺20]. **somatic** [KABL21]. **source** [GJC⁺20, LGA20]. **sources** [DBK20, PSM⁺21]. **South** [MDB⁺20, ARSC22]. **Southern** [APGD⁺21, LCW⁺21, PTNR⁺20, BARF20, SGTS21]. **sp** [KDC⁺21]. **Space** [RWS⁺21, TLH⁺20, DDG⁺21, EVHS21, KMH⁺21, MM21, ZS20]. **spaces** [GZW⁺20]. **Sparrow** [HBP⁺21]. **sparse** [AMK21]. **Spatial** [BLP20, CCH20, LGG⁺22, SACE⁺20, WHdBB21, WZHP21, ATP20, BRC⁺21, CLG20, GWH20, GZK⁺20, LGFT⁺20, LDR⁺20, MKR20, MMRBLN20, NL20, PEFW20, PSZ20, RAB21, RWS⁺21, SRTS20, TWL⁺22, dAdSCA20]. **Spatial-moment** [BLP20]. **Spatially** [SOV21, BSR21, BR22, CAB⁺21, DDG⁺21, GRCSA⁺20, JMM⁺20, JSL⁺20, PRdN⁺20, WBW⁺20, WBD⁺22a]. **spatially-explicit** [DDG⁺21, WBD⁺22a]. **spatio** [GSJ⁺20, LRA⁺20, NWO21]. **spatio-temporal** [GSJ⁺20, LRA⁺20, NWO21]. **Spatiotemporal** [CL21, ZSS21, DMGP20, SBS⁺21, WWC⁺22, YD20, ZPZ⁺22]. **special** [LSG21, Men22]. **Speciation** [FAC22]. **specie** [ILLM20]. **Species** [CLPZ20, EMH⁺22, HPMB20, AM21, BGCJ21, BS20, BWSS21, BM21,

CSBS21, CWF⁺²¹, CNSK21, CIL⁺²⁰, dSCdA21, EVT⁺²¹, For20, FG21, GGS⁺²², GWH20, HLH⁺²¹, HNC⁺²¹, JLH⁺²¹, JMM⁺²⁰, KABL21, LDXJ22, MRR⁺²⁰, MMRBLN20, MVAD20, MPCG21, MBD⁺²², NL20, NMGFOB21, OW20, Pre22, RPT21, RAB21, SVK20, SvV21, SACEU⁺²¹, TK20a, TRMB20, TCB21, VMH⁺²¹, VPV21, VRS20, WZHP21, WT20, WTT⁺²¹, XCH⁺²¹, YXH20, YCI20, ZWL⁺²¹, dAdSCA20]. **species-area** [VPV21]. **species-predictive** [JLH⁺²¹]. **Species-specific** [HPMB20]. **specific** [HPMB20, TK20a]. **spectral** [CSZY⁺²⁰]. **spectrum** [BGCJ21, HES⁺²⁰, LM21]. **speeds** [Gat21]. **spinipes** [KD20]. **spot** [MZLRSZ21]. **spp** [GGS⁺²²]. **Spread** [BAPW20, EVHS21, JB22, LDXJ22]. **spring** [Che21, LLZM20, Tsy22]. **spring-fed** [Che21]. **Springer** [Mea20]. **squirrels** [CAB⁺²¹]. **St** [MSL⁺²¹]. **Stability** [NDNN22, ETAAH21, GWH20, SE21, SZL⁺²¹]. **stabilize** [Oku21]. **Stable** [YL22]. **stage** [PSM22, QZSV21, dVDC20]. **stage-classified** [dVDC20]. **stage-structured** [PSM22, QZSV21]. **stages** [Jia21]. **stakeholder** [DDL⁺²⁰, NBMD21]. **stamp** [AXMJ22]. **stand** [BLB⁺²⁰]. **standard** [Koo20b]. **stands** [CSZY⁺²⁰, EVT⁺²¹]. **stanza** [DPC20]. **start** [Tur20]. **State** [DGSM21, EVHS21, FWK⁺²⁰, JZS⁺²¹, MRR⁺²⁰, ZS20]. **State-**[DGSM21]. **State-space** [EVHS21, ZS20]. **states** [KNP⁺²¹]. **statistical** [CSBS21, VPV21]. **statistics** [CDNN⁺²⁰]. **status** [BS21, PGB⁺²⁰, Yao21]. **steady** [AXMJ22]. **Stellar** [RM20]. **step** [SACEU⁺²¹]. **step-by-step** [SACEU⁺²¹]. **sterile** [HLB⁺²⁰, DBN⁺²²]. **Sterna** [ARSC22]. **stinger** [EWE20]. **Stochastic** [STQ⁺²², SdlP20, BVM⁺²¹, LCMB21]. **stochasticity** [vDC20]. **stock** [AJ22, YRK⁺²⁰]. **stock-recruitment** [AJ22]. **stocking** [DP20, JST⁺²²]. **stocks** [MSG^{+21b}]. **storage** [PZH⁺²¹, TLC⁺²², XLS20]. **stormwater** [NBML21]. **story** [PSW22]. **strategic** [GHbS21]. **strategies** [BSE21, CTL22, CC20, DDL⁺²⁰, HCPG20, LBPL20, PSM⁺²¹, VBH20, WZWF20]. **strategy** [AXMJ22, BPB⁺²⁰]. **stream** [BdBG^{+21a}, BdBG^{+21b}, HMDO20]. **Strebel** [GSM⁺²⁰]. **street** [GZW⁺²⁰]. **Strengbach** [BPL⁺²⁰]. **strengths** [CDNN⁺²⁰]. **stress** [GSJ⁺²², LCP⁺²⁰, LBI⁺²⁰, VVH⁺²⁰]. **structural** [DAQ20, SBS⁺²⁰, SBS⁺²¹, YEL⁺²¹, dFT⁺²⁰]. **Structure** [LB21, AM22, AHO⁺²⁰, BSR21, JSL⁺²⁰, LRA⁺²⁰, LGG⁺²², LSL20, MMC⁺²¹, NL20, RRS21, RWS⁺²¹, WSFZ21, XFK21]. **structure-preserving** [AM22]. **structured** [KK20, MBS22, PSM22, QZSV21, WZWF20, XYZR21]. **structures** [KSJ22]. **studies** [CdCAC⁺²⁰, LKPK22]. **Study** [DBK20, PSG21, SZ20, BH21, BGK⁺²⁰, BARF20, Che21, ETAAH21, GAC⁺²¹, GSJ⁺²⁰, HHT21, LP22, LZSQ20, LDZ21, LPA⁺²¹, LCMB21, MS20, MTT22, MVC⁺²², OHH⁺²¹, OBFH22, PMP⁺²¹, PTNR⁺²⁰, RKN⁺²¹, RAB21, SHT21, SG20, SPPC21, SZL⁺²⁰, TCG⁺²⁰, TLH⁺²⁰, TMNA20, WBD^{+22b}, ZLML20]. **subcatchment** [SRTS20]. **submarine** [Che21]. **submerged** [NKT⁺²⁰]. **Subnational** [HLM⁺²⁰]. **subsidence** [RGD20]. **subsidized** [STQ⁺²²]. **substitutable** [RK20]. **subtidal** [GSM⁺²⁰]. **subtropical**

[PZH⁺21, RGD20, SC21]. **success** [KN20, SG20, SKH⁺20, WZWF20]. **Succession** [YXH20, HSF⁺20, SLLW21, ZGG22]. **Sugar** [VLGG⁺20]. **sugarcane** [BMRF21]. **suggestions** [LCLG20]. **Suitability** [YHC⁺21, BBSHC22, ILLM20, JLH⁺21, ZWL⁺21]. **Suitable** [YXY⁺20, USA21]. **sun** [SPPC21]. **sun-induced** [SPPC21]. **Sungo** [SZL⁺20]. **superiority** [GSRB22]. **Support** [LZW20, BRC⁺21, EMH⁺22, Gri20, MVC⁺22, NGE⁺21, PGP⁺22, WBW⁺20, ZWZ⁺20]. **surface** [ABC⁺22, BZZT22, DCT⁺21, HSJ⁺20, LCLG20, LCW⁺21, PFM⁺21, SBM⁺22]. **surface-based** [PFM⁺21]. **surfaces** [OW20]. **surveillance** [BGK⁺20]. **survey** [KCHZ21]. **survival** [APF21, ALK20, dSCdA21, DHW⁺20, SdlP20, WRC21, WBD⁺22b]. **Sustainability** [SLY⁺21, AAC20, DYW⁺22, ESCA22, LL21, MDB⁺20, PHL20, RGRMRR20, RBEC21, TWL⁺22]. **Sustainable** [BSE21, LPA⁺21, LJ21, Ano20-49, AKM22, dSCdA21, PGB⁺20, SvV21]. **swukii** [RRSG21]. **swimming** [LHDBN20]. **swirskii** [TCG⁺20]. **Switzerland** [Mea20]. **sylvatic** [EBMK20]. **sylvestris** [EVT⁺21]. **symbionts** [KKP⁺21]. **symbiosis** [RTH⁺21]. **sympatric** [Kos22, NMGFOB21]. **symptom** [Gat20]. **synchronized** [KK20]. **synergistic** [MMdP⁺21]. **synthesis** [TLC⁺22]. **System** [LB21, AM21, GLA⁺20, HSP⁺22, HSD⁺21, JST⁺22, KMH⁺21, KKP⁺21, KCS22, LZW20, MDB⁺20, MF20, SQDM21, TK20b, DBDR22]. **Systems** [DS21, VLGG⁺20, ADR21, AGS⁺21, FS22, HSP⁺22, LHDBN20, LZSQ20, MAD⁺20, MAN⁺20, MDB⁺20, MSG⁺21b, MBMV20, OBFH22, PHL20, PMP⁺21, SGPSzC22, SLY⁺21, Tur20, WG21, ZZWF21].

T. [EBMK20]. **tackle** [DSC⁺21]. **tadpoles** [CMS⁺21, PDG⁺20]. **tail** [LJ21]. **tailed** [BGK⁺20, VRW⁺21]. **tangent** [PSZ20]. **Tanzania** [MDP21]. **targeted** [GSJ⁺20, PEFW20]. **targeting** [MVC⁺22, TCB21]. **tasks** [AGS⁺21]. **taxes** [SML⁺20]. **Taylor** [XJW21]. **Teaching** [Por21]. **technique** [CCH20, DBN⁺22]. **techniques** [ASHK22, BAR20, HLB⁺20, USA21]. **teleconnected** [LL21]. **telemetry** [BVR⁺20, LDC⁺20]. **temperate** [BGCJ21, KABL21, TDI⁺20]. **Temperature** [MBMV20, GSJ⁺22, HML⁺22, JPL21, NGE⁺21, PGdAM⁺20, SBR20, TA20, WBD⁺22b]. **temperature-** [SBR20]. **temperature-dependent** [HML⁺22, NGE⁺21, PGdAM⁺20]. **temperatures** [ABC⁺22, FWK⁺20]. **temporal** [BSR21, DKM⁺21, FS22, GSJ⁺20, HMC20, LRA⁺20, LCP⁺20, LSL21, NWO21, SBR20]. **temporally** [BR22]. **tempos** [Ano20-49]. **tendency** [LJP⁺22]. **tendency-prediction** [LJP⁺22]. **term** [ABH⁺20, BLB⁺20, EVHS21, JLV⁺21, JSD⁺22, PKO⁺21, RSASP22, SZ20]. **Tern** [ARSC22]. **terrestrial** [ASHK22, LC20, OTR⁺21, OKS⁺21, WWP20, ZS20]. **territorial** [LJ21]. **territories** [MOS21]. **territory** [SM20]. **Test** [HFP22, RFJ⁺22]. **tested** [FG21]. **testing** [CdCAC⁺20]. **Tetragastris** [dOPdMdS⁺21]. **Texas** [YCK20]. **Thanks** [Des21]. **Thau** [PGB⁺20]. **thawing** [LCW⁺21]. **their**

[BCM20, CZ21, FSZ⁺20, FZS⁺20, Jia21, OKS⁺21, SINS22, YD20].
theorem [Men22]. **Theoretical** [MAN⁺20, BMS⁺20, GRS⁺20]. **Theory**
 [Ano20-51, VLGG⁺20, CIL⁺20, DYW⁺22, GLA⁺20, HFP20, LPL22, LSG21,
 MTS⁺20, MBMV20, PSW22, SGLK20, SACE⁺20, XJW21, ZSS20]. **Thermal**
 [Che22, Che21, Tsy22]. **Thermodynamic** [CWF⁺21, WCF⁺22]. **thinning**
 [EVT⁺21]. **threat** [SRAMH⁺20]. **threatened** [HP20]. **threats** [GHbS21].
Three [NBML21, LPHO⁺20, PCK⁺22, TWL⁺22, WA20, YLS⁺21].
Three-dimensional [NBML21, TWL⁺22, YLS⁺21]. **thresholds**
 [HKH⁺20, TA20]. **Thunnus** [DPC20]. **Tianjin** [LZF21]. **Tibet**
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 [WBD⁺22b]. **tidal** [BDBG⁺21a, BDBG⁺21b, KSJ22]. **tides** [SRB⁺20]. **Tiezzi**
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timescales [MSML21]. **Timing** [BVM⁺21, FS22, LBGD21]. **Titicaca**
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tourism [GCS⁺21, LL21]. **tower** [ASHK22]. **tox** [AVRC⁺20]. **toxicity**
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 [DSC⁺21]. **tradeoff** [RTH⁺21]. **tradeoffs** [LGA⁺21]. **training** [MS20]. **trait**
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trajectories [FG21]. **trajectory** [SDSP⁺21]. **transcriptomic** [GML⁺20].
Transdisciplinary [Por21]. **Transeius** [TCG⁺20]. **Transfer**
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 [KKP⁺21, SML⁺20]. **Transient** [CTL22]. **transition** [TTPA21].
Transitioning [Ano20-51]. **transitions** [HCX⁺21]. **transmission**
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transpiration [HFP22]. **transport** [BDBG⁺21a, BDBG⁺21b]. **Tree**
 [dSMPA⁺22, ABRG21, CNSK21, HFP22, LGG⁺22, LPS⁺21, MRR⁺20,
 PVS⁺21, PPH⁺21, PKO⁺21, Pre22, SCH⁺21, SBR20]. **tree-level** [PPH⁺21].
treehopper [PTBFP⁺20]. **treeline** [BS20]. **trees** [FG21, LDR⁺20, YCI20].
trends [CZ21, ZPZ⁺22]. **trials** [NS20]. **triangulifer** [KFJS20]. **Triatoma**
 [FC21]. **Tribolium** [dVDC20]. **tributaries** [MSL⁺21]. **triggered** [RTH⁺21].
TRIPLEX [LPS⁺21]. **TRIPLEX-Mortality** [LPS⁺21]. **Triticum**
 [GGs⁺22]. **tritrophic** [PVS⁺21]. **Trojan** [BPB⁺20]. **trophic**
 [BNN20, FWK⁺20, GLA⁺20, LPL22, MZLRSZ21, PCK⁺22, RSC⁺21,
 SBS⁺20, WSFZ21, vdHNNH⁺20]. **tropical**
 [BH21, FG21, HLB⁺20, PYD⁺21a, PYD⁺21b, PKO⁺21, SPPC21, XJW21].
tropics [AMK21, RFJ⁺22]. **truthing** [ABC⁺22]. **tshawytscha** [BLLL21].
Tumen [TLH⁺20]. **tuna** [DPC20]. **tuning** [Fou21]. **turbidity** [SZ20].
turbine [STQ⁺22]. **turbine-scale** [STQ⁺22]. **turbulent** [TMNA20].
turning [Ano20-49]. **turnover** [AG22]. **turtle**
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Anonymous:2021:EBt

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