

# Global warming and recurrent mass bleaching of corals

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Severe consequences for anemonefishes and their host sea anemones during the 2016 bleaching event at Lizard Island, Great Barrier Reef. <i>Coral Reefs</i> , 2017, 36, 873-873.	0.9	11
2	Australian climate extremes at 1.5°C and 2°C of global warming. <i>Nature Climate Change</i> , 2017, 7, 413-416.	2.5	255
3	Thermal Shock Induces Host Proteostasis Disruption and Endoplasmic Reticulum Stress in the Model Symbiotic Cnidarian <i>Aiptasia</i> . <i>Journal of Proteome Research</i> , 2017, 16, 2121-2134.	1.8	56
4	Trajectories toward the 1.5°C Paris target: Modulation by the Interdecadal Pacific Oscillation. <i>Geophysical Research Letters</i> , 2017, 44, 4256-4262.	1.5	65
5	Benthic Crustacea from tropical and temperate reef locations: differences in assemblages and their relationship with habitat structure. <i>Coral Reefs</i> , 2017, 36, 971-980.	0.9	19
6	Purpose, policy, and practice: Intent and reality for on-ground management and outcomes of the Great Barrier Reef Marine Park. <i>Marine Policy</i> , 2017, 81, 301-311.	1.5	11
7	Rapid thermal adaptation in photosymbionts of reef-building corals. <i>Global Change Biology</i> , 2017, 23, 4675-4688.	4.2	172
8	Nickel and ocean warming affect scleractinian coral growth. <i>Marine Pollution Bulletin</i> , 2017, 120, 250-258.	2.3	27
9	The Gulf of Carpentaria heated Torres Strait and the Northern Great Barrier Reef during the 2016 mass coral bleaching event. <i>Estuarine, Coastal and Shelf Science</i> , 2017, 194, 172-181.	0.9	23
10	El Niño, echinoid bioerosion and recovery potential of an isolated Galápagos coral reef: a modeling perspective. <i>Marine Biology</i> , 2017, 164, 1.	0.7	10
11	The Vulnerability and Resilience of Reef-Building Corals. <i>Current Biology</i> , 2017, 27, R528-R540.	1.8	156
12	Trends and frontiers for the science and management of the oceans. <i>Current Biology</i> , 2017, 27, R431-R434.	1.8	20
13	Coral reefs in the Anthropocene. <i>Nature</i> , 2017, 546, 82-90.	13.7	1,329
14	Embracing a world of subtlety and nuance on coral reefs. <i>Coral Reefs</i> , 2017, 36, 1003-1011.	0.9	38
15	Microbial indicators as a diagnostic tool for assessing water quality and climate stress in coral reef ecosystems. <i>Marine Biology</i> , 2017, 164, 1.	0.7	101
16	Coral crisis captured. <i>Nature</i> , 2017, 543, 323-323.	13.7	1
17	What Is Currently Known About the Effects of Climate Change on the Coral Immune Response. <i>Current Climate Change Reports</i> , 2017, 3, 252-260.	2.8	19
18	The genomics of recovery from coral bleaching. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20171790.	1.2	54

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19	The Future of Giant Clam-Dominated Lagoon Ecosystems Facing Climate Change. <i>Current Climate Change Reports</i> , 2017, 3, 261-270.	2.8	8
20	Involvement of caspase3 in the acute stress response to high temperature and elevated ammonium in stony coral <i>Pocillopora damicornis</i> . <i>Gene</i> , 2017, 637, 108-114.	1.0	34
21	Tabulate corals across the Frasnian/Famennian boundary: architectural turnover and its possible relation to ancient photosymbiosis. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2017, 487, 416-429.	1.0	18
22	Coral bleaching pathways under the control of regional temperature variability. <i>Nature Climate Change</i> , 2017, 7, 839-844.	8.1	40
23	Australia's Unprecedented Future Temperature Extremes Under Paris Limits to Warming. <i>Geophysical Research Letters</i> , 2017, 44, 9947-9956.	1.5	42
24	ENSO Weather and Coral Bleaching on the Great Barrier Reef, Australia. <i>Geophysical Research Letters</i> , 2017, 44, 10,601.	1.5	21
25	Shading as a mitigation tool for coral bleaching in three common Indo-Pacific species. <i>Journal of Experimental Marine Biology and Ecology</i> , 2017, 497, 152-163.	0.7	42
26	Strong sustainability in coastal areas: a conceptual interpretation of SDG 14. <i>Sustainability Science</i> , 2017, 12, 1019-1035.	2.5	130
27	Species identity and depth predict bleaching severity in reef-building corals: shall the deep inherit the reef?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20171551.	1.2	93
28	<i>Porites</i> coral response to an oceanographic and human impact gradient in the Line Islands. <i>Limnology and Oceanography</i> , 2017, 62, 2850-2863.	1.6	11
29	Abundance and local-scale processes contribute to multi-phyla gradients in global marine diversity. <i>Science Advances</i> , 2017, 3, e1700419.	4.7	61
30	Symbiotic Dinoflagellate Functional Diversity Mediates Coral Survival under Ecological Crisis. <i>Trends in Ecology and Evolution</i> , 2017, 32, 735-745.	4.2	167
31	Not equal in the face of habitat change: closely related fishes differ in their ability to use predation-related information in degraded coral. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20162758.	1.2	17
32	Environmental drivers of sheltering behaviour in large reef fishes. <i>Marine Pollution Bulletin</i> , 2017, 125, 254-259.	2.3	3
33	Symbiont dynamics during thermal acclimation using cnidarian-dinoflagellate model holobionts. <i>Marine Environmental Research</i> , 2017, 130, 303-314.	1.1	12
34	Amorphous calcium carbonate particles form coral skeletons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E7670-E7678.	3.3	243
35	Rapid adaptive responses to climate change in corals. <i>Nature Climate Change</i> , 2017, 7, 627-636.	8.1	327
36	Implication of the host TGF $\beta$ pathway in the onset of symbiosis between larvae of the coral <i>Fungia scutaria</i> and the dinoflagellate <i>Symbiodinium</i> sp. (clade C1f). <i>Coral Reefs</i> , 2017, 36, 1263-1268.	0.9	19

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37	Sponge bioerosion on changing reefs: ocean warming poses physiological constraints to the success of a photosymbiotic excavating sponge. <i>Scientific Reports</i> , 2017, 7, 10705.	1.6	40
38	Planning for the future: Incorporating global and local data to prioritize coral reef conservation. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2017, 27, 65-77.	0.9	9
39	Cross-scale habitat structure driven by coral species composition on tropical reefs. <i>Scientific Reports</i> , 2017, 7, 7557.	1.6	40
40	U-Th dating reveals regional-scale decline of branching <i>Acropora</i> corals on the Great Barrier Reef over the past century. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 10350-10355.	3.3	49
41	Facing the future: Conservation as a precursor for building coastal territorial cohesion and resilience. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2017, 27, 151-161.	0.9	3
42	Macroalgal browsing on a heavily degraded, urbanized equatorial reef system. <i>Scientific Reports</i> , 2017, 7, 8352.	1.6	34
43	Redefining community based on place attachment in a connected world. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 10077-10082.	3.3	80
44	Exposure to agricultural pesticide impairs visual lateralization in a larval coral reef fish. <i>Scientific Reports</i> , 2017, 7, 9165.	1.6	33
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46	The contribution of microbial biotechnology to mitigating coral reef degradation. <i>Microbial Biotechnology</i> , 2017, 10, 1236-1243.	2.0	101
47	Maximum thermal limits of coral reef damselfishes are size-dependent and resilient to near-future ocean acidification. <i>Journal of Experimental Biology</i> , 2017, 220, 3519-3526.	0.8	28
48	Thermal stress exposure, bleaching response, and mortality in the threatened coral <i>Acropora palmata</i> . <i>Marine Pollution Bulletin</i> , 2017, 124, 189-197.	2.3	21
49	Post-bleaching coral community change on southern Maldivian reefs: is there potential for rapid recovery?. <i>Coral Reefs</i> , 2017, 36, 1189-1194.	0.9	43
50	The roles of endolithic fungi in bioerosion and disease in marine ecosystems. I. General concepts. <i>Mycology</i> , 2017, 8, 205-215.	2.0	25
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52	Environmental controls on modern scleractinian coral and reef-scale calcification. <i>Science Advances</i> , 2017, 3, e1701356.	4.7	40
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54	Marine heatwave causes unprecedented regional mass bleaching of thermally resistant corals in northwestern Australia. <i>Scientific Reports</i> , 2017, 7, 14999.	1.6	159

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57	Implementing marine ecosystem-based management: lessons from Australia. <i>ICES Journal of Marine Science</i> , 2017, 74, 1990-2003.	1.2	49
58	The role of fish and fisheries in recovering from natural hazards: Lessons learned from Vanuatu. <i>Environmental Science and Policy</i> , 2017, 76, 50-58.	2.4	40
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60	Comparative analysis of the genomes of <i>Stylophora pistillata</i> and <i>Acropora digitifera</i> provides evidence for extensive differences between species of corals. <i>Scientific Reports</i> , 2017, 7, 17583.	1.6	121
61	Algae associated with coral degradation affects risk assessment in coral reef fishes. <i>Scientific Reports</i> , 2017, 7, 16937.	1.6	19
62	Corals hosting symbiotic hydrozoans are less susceptible to predation and disease. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20172405.	1.2	36
63	3D photogrammetry quantifies growth and external erosion of individual coral colonies and skeletons. <i>Scientific Reports</i> , 2017, 7, 16737.	1.6	82
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65	An Analysis of Threats to Marine Biodiversity and Aquatic Ecosystems. <i>SSRN Electronic Journal</i> , 0, , .	0.4	4
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68	Thirty Years of Research on Crown-of-Thorns Starfish (1986-2016): Scientific Advances and Emerging Opportunities. <i>Diversity</i> , 2017, 9, 41.	0.7	126
69	Marine Animal Microbiomes: Toward Understanding Host-Microbiome Interactions in a Changing Ocean. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	142
70	Environmental Extremes Are Associated with Dietary Patterns in Arabian Gulf Reef Fishes. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	17
71	Organisms Composing an Experimental Coral Reef Community from Mo'orea, French Polynesia, Exhibit Taxon-Specific Net Production: Net Calcification Ratios. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	6
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74	Editorial: The Effect of Climate Change across Ocean Regions. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	19
75	Environmental Drivers of Variation in Bleaching Severity of <i>Acropora</i> Species during an Extreme Thermal Anomaly. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	74
76	Impact of Three Bleaching Events on the Reef Resiliency of Kāneohe Bay, Hawai'i. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	62
77	Engineering Strategies to Decode and Enhance the Genomes of Coral Symbionts. <i>Frontiers in Microbiology</i> , 2017, 8, 1220.	1.5	42
78	Fishing, pollution, climate change, and the long-term decline of coral reefs off Havana, Cuba. <i>Bulletin of Marine Science</i> , 2017, , .	0.4	18
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81	Unusually high coral recruitment during the 2016 El Niño in Moorea, French Polynesia. <i>PLoS ONE</i> , 2017, 12, e0185167.	1.1	32
82	Detecting conservation benefits of marine reserves on remote reefs of the northern GBR. <i>PLoS ONE</i> , 2017, 12, e0186146.	1.1	19
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86	Season, but not symbiont state, drives microbiome structure in the temperate coral <i>Astrangia poculata</i> . <i>Microbiome</i> , 2017, 5, 120.	4.9	105
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92	Connectivity and systemic resilience of the Great Barrier Reef. <i>PLoS Biology</i> , 2017, 15, e2003355.	2.6	117
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94	Isolation of uracil auxotroph mutants of coral symbiont alga for symbiosis studies. <i>Scientific Reports</i> , 2018, 8, 3237.	1.6	5
95	Coral reef habitat mapping: A combination of object-based image analysis and ecological modelling. <i>Remote Sensing of Environment</i> , 2018, 208, 27-41.	4.6	99
96	Coral reefs will transition to net dissolving before end of century. <i>Science</i> , 2018, 359, 908-911.	6.0	234
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102	Seeking resilience in marine ecosystems. <i>Science</i> , 2018, 359, 986-987.	6.0	82
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116	Competing and conflicting messages via online news media: Potential impacts of claims that the Great Barrier Reef is dying. Ocean and Coastal Management, 2018, 158, 154-163.	2.0	25
117	Host-microbe interactions in octocoral holobionts - recent advances and perspectives. Microbiome, 2018, 6, 64.	4.9	118
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128	Longer and more frequent marine heatwaves over the past century. <i>Nature Communications</i> , 2018, 9, 1324.	5.8	1,081
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138	Population Genomics of Early-Splitting Lineages of Metazoans. <i>Population Genomics</i> , 2018, , 103-137.	0.2	7
139	Intricacies of Cation-Anion Combinations in Imidazolium Salt-Catalyzed Cycloaddition of CO <sub>2</sub> Into Epoxides. <i>ACS Catalysis</i> , 2018, 8, 2589-2594.	5.5	129
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142	Climate, ecosystems, and planetary futures: The challenge to predict life in Earth system models. <i>Science</i> , 2018, 359, .	6.0	397
143	Editorial: One climate-change career. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2018, 28, 4-5.	0.9	0
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146	Super instrumental El NiÃ±o events recorded by a <i>Porites</i> coral from the South China Sea. <i>Coral Reefs</i> , 2018, 37, 295-308.	0.9	23
147	Towards Developing a Mechanistic Understanding of Coral Reef Resilience to Thermal Stress Across Multiple Scales. <i>Current Climate Change Reports</i> , 2018, 4, 51-64.	2.8	36
148	Gradients of disturbance and environmental conditions shape coral community structure for southâ€“eastern Indian Ocean reefs. <i>Diversity and Distributions</i> , 2018, 24, 605-620.	1.9	43
149	Plastic waste associated with disease on coral reefs. <i>Science</i> , 2018, 359, 460-462.	6.0	540
150	Resolving high-frequency internal waves generated at an isolated coral atoll using an unstructured grid ocean model. <i>Ocean Modelling</i> , 2018, 122, 67-84.	1.0	20
151	Global Boundary Stratotype Section and Point (GSSP) for the Anthropocene Series: Where and how to look for potential candidates. <i>Earth-Science Reviews</i> , 2018, 178, 379-429.	4.0	153
152	Compound Issues of Global Warming on the High and Low Islands of the Tropical Pacific. <i>World Regional Geography Book Series</i> , 2018, , 181-208.	0.1	0
153	Evidence for the Thermal Bleaching of <i>Porites</i> Corals From 4.0Â±ka B.P. in the Northern South China Sea. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 79-94.	1.3	7
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155	Thermal resistances and acclimation potential during coral larval ontogeny in <i>Acropora pulchra</i> . <i>Marine Environmental Research</i> , 2018, 135, 1-10.	1.1	12
156	Spatial and temporal patterns of mass bleaching of corals in the Anthropocene. <i>Science</i> , 2018, 359, 80-83.	6.0	1,515
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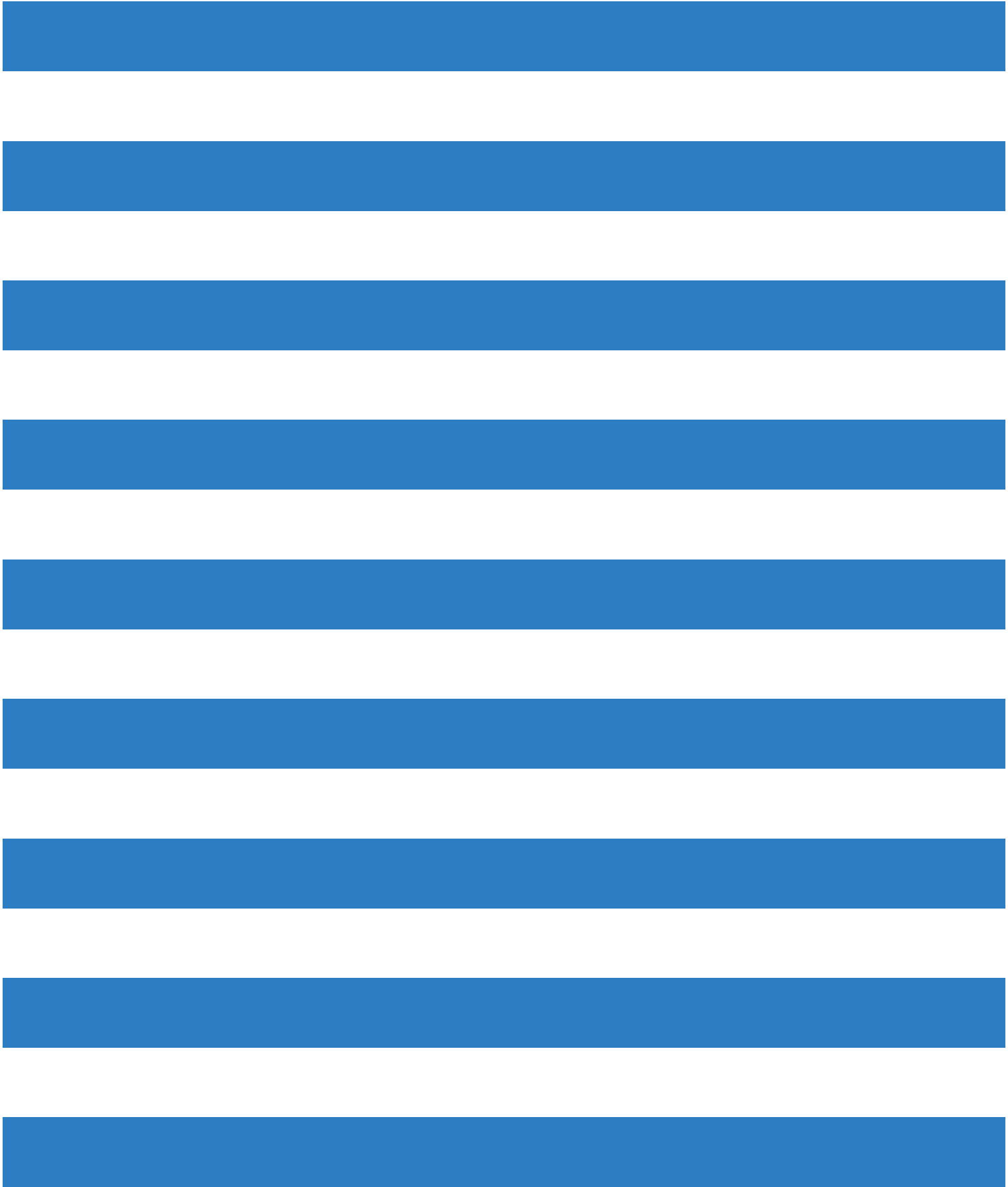
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1855	Transgenerational exposure to marine heatwaves ameliorates the lethal effect on tropical copepods regardless of predation stress. <i>Ecology and Evolution</i> , 2022, 12, .	0.8	5
1856	Compound marine heatwaves and ocean acidity extremes. <i>Nature Communications</i> , 2022, 13, .	5.8	34
1857	The relationship between size and metabolic rate of juvenile crown of thorns starfish. <i>Invertebrate Biology</i> , 2022, 141, .	0.3	1
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1859	Cascading impacts of a climate-driven ecosystem transition intensifies population vulnerabilities and fishery collapse. <i>Frontiers in Climate</i> , 0, 4, .	1.3	1
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1865	Ciliary flows in corals ventilate target areas of high photosynthetic oxygen production. Current Biology, 2022, 32, 4150-4158.e3.	1.8	8
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1867	Stability of coral reef islands and associated legal maritime zones in a changing ocean. Environmental Research Letters, 2022, 17, 093003.	2.2	3
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1878	Introducing the oceans. , 2023, , 37-64.		0
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1900	Daily timing of low tide drives seasonality in intertidal emersion mortality risk. <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	2
1901	Variations in Fish Community Structure at the Lagoon of Yongshu Reef, South China Sea between 1999 and 2016–2019. <i>Diversity</i> , 2022, 14, 763.	0.7	2
1902	Mass spectrometry–based metabolomic signatures of coral bleaching under thermal stress. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 7635-7646.	1.9	7
1903	Environmental memory gained from exposure to extreme pCO <sub>2</sub> variability promotes coral cellular acid–base homeostasis. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, .	1.2	10
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1905	Rates of Future Climate Change in the Gulf of Mexico and the Caribbean Sea: Implications for Coral Reef Ecosystems. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2022, 127, .	1.3	5
1906	Antifouling coatings can reduce algal growth while preserving coral settlement. <i>Scientific Reports</i> , 2022, 12, .	1.6	5
1907	Global coral bleaching event detection from satellite monitoring of extreme heat stress. <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	0
1908	No apparent cost of disease resistance on reproductive output in <i>Acropora cervicornis</i> genets used for active coral reef restoration in Florida. <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	4
1909	Energy use, growth and survival of coral reef snapper larvae reared at elevated temperatures. <i>Coral Reefs</i> , 0, , .	0.9	0
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1915	Biomass energy consumption and carbon neutrality in OECD countries: Testing pollution haven hypothesis and environmental Kuznets curve. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	2
1916	The Blob marine heatwave transforms California kelp forest ecosystems. <i>Communications Biology</i> , 2022, 5, .	2.0	15
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1924	Body mass and latitude as global predictors of vertebrate populations exposure to multiple threats. <i>Ecography</i> , 2022, 2022, .	2.1	3
1925	Quantitative biogeography: Decreasing and more variable dynamics of critical species in an iconic meta-ecosystem. <i>Ecological Monographs</i> , 0, , .	2.4	1
1926	Plastic pollution of four understudied marine ecosystems: a review of mangroves, seagrass meadows, the Arctic Ocean and the deep seafloor. <i>Emerging Topics in Life Sciences</i> , 2022, 6, 371-387.	1.1	14
1927	Insights on the biochemical and cellular changes induced by heat stress in the <i>Cladocopium</i> isolated from coral <i>Mussismilia braziliensis</i> . <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	3
1928	Stable symbiont communities persist in parents, gametes, and larvae of <i>Montipora capitata</i> across historical bleaching phenotypes. <i>Coral Reefs</i> , 0, , .	0.9	0
1929	Microeconomic adaptation to severe climate disturbances on Australian coral reefs. <i>Ambio</i> , 2023, 52, 285-299.	2.8	1
1930	A comprehensive review of membrane-based absorbers/desorbers towards compact and efficient absorption refrigeration systems. <i>Renewable Energy</i> , 2022, 201, 563-593.	4.3	8
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1935	Climate change mitigation by coral reefs and seagrass beds at risk: How global change compromises coastal ecosystem services. <i>Science of the Total Environment</i> , 2023, 857, 159576.	3.9	8
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1940	Phosphate enrichment increases the resilience of the pulsating soft coral <i>Xenia umbellata</i> to warming. <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	4
1942	Changing the climate risk trajectory for coral reefs. <i>Frontiers in Climate</i> , 0, 4, .	1.3	1
1943	Coral bleaching resistance variation is linked to differential mortality and skeletal growth during recovery. <i>Evolutionary Applications</i> , 2023, 16, 504-517.	1.5	7
1944	Compound Extreme Events Induce Rapid Mortality in a Tropical Sea Urchin. <i>Biological Bulletin</i> , 2022, 243, 239-254.	0.7	2
1945	Differences of energy adaptation strategies in <i>Tupaia belangeri</i> between Pianma and Tengchong region by metabolomics of liver: Role of warmer temperature. <i>Frontiers in Physiology</i> , 0, 13, .	1.3	0
1946	Nutrient dynamics in coral symbiosis depend on both the relative and absolute abundance of Symbiodiniaceae species. <i>Microbiome</i> , 2022, 10, .	4.9	6
1947	Marine Heatwaves in the South China Sea: Tempo-Spatial Pattern and Its Association with Large-Scale Circulation. <i>Remote Sensing</i> , 2022, 14, 5829.	1.8	7
1948	Impacts of ocean warming on the settlement success and post-settlement survival of Pacific crown-of-thorns starfish ( <i>Acanthaster cf. solaris</i> ). <i>Coral Reefs</i> , 2023, 42, 143-155.	0.9	2
1949	Fine-scale heterogeneity reveals disproportionate thermal stress and coral mortality in thermally variable reef habitats during a marine heatwave. <i>Coral Reefs</i> , 2023, 42, 131-142.	0.9	12
1950	First report of yellow-banded tissue loss disease on coral reefs outside the Arabian/Persian Gulf. <i>Diseases of Aquatic Organisms</i> , 0, , .	0.5	1
1951	Responses of digestive metabolism to marine heatwaves in pearl oysters. <i>Marine Pollution Bulletin</i> , 2023, 186, 114395.	2.3	6
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1954	Individual aerobic performance and anaerobic compensation in a temperate fish during a simulated marine heatwave. <i>Science of the Total Environment</i> , 2023, 863, 160844.	3.9	2
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1956	Climate change impacts on the coral reefs of the UK Overseas Territory of the Pitcairn Islands: resilience and adaptation considerations. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2022, 102, 535-549.	0.4	0
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1961	Characteristics of Marine Heatwaves (2008–2021) in the Savu Sea, East Nusa Tenggara. <i>Journal of Physics: Conference Series</i> , 2022, 2377, 012043.	0.3	2
1962	Coral Oasis on Con Dao Islands: A Potential Refuge of Healthy Corals in the Offshore Waters of Vietnam?. <i>Diversity</i> , 2023, 15, 4.	0.7	2
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1965	Symbiont shuffling dynamics associated with photodamage during temperature stress in coral symbiosis. <i>Ecological Indicators</i> , 2022, 145, 109706.	2.6	4
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1967	54 years of microboring community history explored by machine learning in a massive coral from Mayotte (Indian Ocean). <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	2
1969	Applying behavioral studies to the ecotoxicology of corals: A case study on <i>Acropora millepora</i> . <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	3
1970	The Effects of Light Intensity and Flow Speed on Biogeochemical Variability Within a Fringing Coral Reef in Onna-son, Okinawa, Japan. <i>Journal of Geophysical Research: Oceans</i> , 2022, 127, .	1.0	2
1971	Expediting the Search for Climate-Resilient Reef Corals in the Coral Triangle with Artificial Intelligence. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 12955.	1.3	2
1972	Coral rubble dynamics in the Anthropocene and implications for reef recovery. <i>Limnology and Oceanography</i> , 2023, 68, 110-147.	1.6	13
1973	Composition and assembly of the bacterial community in the overlying waters of the coral reef of China's Xisha Islands. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	1
1974	Symbioses are restructured by repeated mass coral bleaching. <i>Science Advances</i> , 2022, 8, .	4.7	14
1976	Effects of <i>Caulerpa taxifolia</i> on Physiological Processes and Gene Expression of <i>Acropora hyacinthus</i> during Thermal Stress. <i>Biology</i> , 2022, 11, 1792.	1.3	3
1977	Evaluation of the current understanding of the impact of climate change on coral physiology after three decades of experimental research. <i>Communications Biology</i> , 2022, 5, .	2.0	5
1978	Assessment of Tropical Cyclone Risk to Coral Reefs: Case Study for Australia. <i>Remote Sensing</i> , 2022, 14, 6150.	1.8	4

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1980	Prokaryotic and eukaryotic microbial communities associated with coral species have high host specificity in the South China Sea. <i>Science of the Total Environment</i> , 2023, 867, 161185.	3.9	7
1981	The <i>Symbiodinium</i> Proteome Response to Thermal and Nutrient Stresses. <i>Plant and Cell Physiology</i> , 2023, 64, 433-447.	1.5	4
1982	Adaptations by the coral <i>Acropora tenuis</i> confer resilience to future thermal stress. <i>Communications Biology</i> , 2022, 5, .	2.0	8
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1986	Tolerance of coralline algae to ocean warming and marine heatwaves. , 2023, 2, e0000092.		5
1987	Collectively Adapting to Sea-Level Rise Through Disaster Response, Commons Management, and Social Mobilization. , 2022, , 313-319.		0
1988	Marine Heatwaves in the Indonesian Fisheries Management Areas. <i>Journal of Marine Science and Engineering</i> , 2023, 11, 161.	1.2	3
1989	Coral Reef: A Hot Spot of Marine Biodiversity. <i>Sustainable Development and Biodiversity</i> , 2023, , 171-194.	1.4	4
1991	Coral reefs and coastal tourism in Hawaii. <i>Nature Sustainability</i> , 2023, 6, 254-258.	11.5	2
1992	Larval dispersal patterns and connectivity of <i>Acropora</i> on Florida's Coral Reef and its implications for restoration. <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	7
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1995	The coastal conservation narrative is shifting from crisis to ecosystem services. <i>Marine Biodiversity</i> , 2023, 53, .	0.3	2
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1998	Transcriptomic differences between bleached and unbleached hydrozoan <i>Millepora complanata</i> following the 2015-2016 ENSO in the Mexican Caribbean. <i>PeerJ</i> , 0, 11, e14626.	0.9	0
1999	Spatial pH variability of coral reef flats of Kiritimati Island, Kiribati. <i>Marine Environmental Research</i> , 2023, , 105861.	1.1	1



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2000	Ocean Biomass and Climate Change. , 2023, , .		1
2001	Solar radiation, temperature and the reproductive biology of the coral <i>Lobactis scutaria</i> in a changing climate. <i>Scientific Reports</i> , 2023, 13, .	1.6	1
2002	The added costs of winter ocean warming for metabolism, arm regeneration and survival in the brittle star <i>Ophionereis schayeri</i> . <i>Journal of Experimental Biology</i> , 2023, 226, .	0.8	2
2003	Designing an expert-led Bayesian network to understand interactions between policy instruments for adoption of eco-friendly farming practices. <i>Environmental Science and Policy</i> , 2023, 141, 11-22.	2.4	2
2004	Reactions of juvenile coral to three years of consecutive thermal stress. <i>Science of the Total Environment</i> , 2023, 863, 161227.	3.9	2
2005	(Bio)sensors applied to coral reefs™ health monitoring: a critical overview. , 2023, 4, 100049.		2
2006	Bacterial diversity associated with <i>Millepora alcicornis</i> and <i>Phyllogorgia dilatata</i> corals and prospection for genes encoding bioactive molecules. <i>Regional Studies in Marine Science</i> , 2023, 59, 102811.	0.4	0
2007	Contrasting the thermal performance of cultured coral endosymbiont photo-physiology. <i>Journal of Experimental Marine Biology and Ecology</i> , 2023, 561, 151865.	0.7	8
2008	Coral resilience inside and outside of Pesisir Timur Pulau Weh conservation zone, Sabang City, Indonesia. <i>Biodiversitas</i> , 2022, 23, .	0.2	1
2009	Coral-Focused Climate Change Adaptation and Restoration Based on Accelerating Natural Processes: Launching the "Reefs of Hope" Paradigm. <i>Oceans</i> , 2023, 4, 13-26.	0.6	3
2011	Upper thermal tolerance of hermatypic coral <i>Acropora digitifera</i> collected from Sesoko Island, southern Japan, based on a laboratory experiment. <i>Fisheries Science</i> , 0, , .	0.7	1
2012	Genomic conservation and putative downstream functionality of the phosphatidylinositol signalling pathway in the cnidarian-dinoflagellate symbiosis. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	1
2013	Marine heatwaves lead to bleaching and mass mortality in a key zoantharian. <i>Marine Biodiversity</i> , 2023, 53, .	0.3	1
2014	MAFFN_YOLOv5: Multi-Scale Attention Feature Fusion Network on the YOLOv5 Model for the Health Detection of Coral-Reefs Using a Built-In Benchmark Dataset. , 2023, 2, 77-104.		4
2015	Hidden heatwaves and severe coral bleaching linked to mesoscale eddies and thermocline dynamics. <i>Nature Communications</i> , 2023, 14, .	5.8	14
2016	Combining Photogrammetric Computer Vision and Semantic Segmentation for Fine-grained Understanding of Coral Reef Growth under Climate Change. , 2023, , .		2
2017	How does heat stress affect sponge microbiomes? Structure and resilience of microbial communities of marine sponges from different habitats. <i>Frontiers in Marine Science</i> , 0, 9, .	1.2	5
2018	Exploring the Potential Molecular Mechanisms of Interactions between a Probiotic Consortium and Its Coral Host. <i>MSystems</i> , 2023, 8, .	1.7	4

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2019	Global Warming has Increased the Distance Traveled by Marine Heatwaves. <i>Geophysical Research Letters</i> , 2023, 50, .	1.5	1
2020	Symbiotic dinoflagellates divert energy away from mutualism during coral bleaching recovery. <i>Symbiosis</i> , 2023, 89, 173-186.	1.2	11
2021	Architectural Framework for Underwater IoT: Forecasting System for Analyzing Oceanographic Data and Observing the Environment. <i>Journal of Marine Science and Engineering</i> , 2023, 11, 368.	1.2	8
2022	Characteristics of The Bleached Microbiome of The Generalist Coral <i>Pocillopora damicornis</i> from Two Distinct Reef Habitats. <i>Integrative Organismal Biology</i> , 2023, 5, .	0.9	2
2023	Coral Reefs in the Face of Their Fate. <i>Coral Reefs of the World</i> , 2023, , 145-158.	0.3	0
2024	Cloudiness delays projected impact of climate change on coral reefs. , 2023, 2, e0000090.		0
2025	Symbiont composition and coral genotype determines massive coral species performance under end-of-century climate scenarios. <i>Frontiers in Marine Science</i> , 0, 10, .	1.2	4
2026	Bleaching, mortality and lengthy recovery on the coral reefs of Lord Howe Island. The 2019 marine heatwave suggests an uncertain future for high-latitude ecosystems. , 2023, 2, e0000080.		3
2027	Sponge organic matter recycling: Reduced detritus production under extreme environmental conditions. <i>Marine Pollution Bulletin</i> , 2023, 190, 114869.	2.3	6
2028	Electrocatalytic oxygen evolution activities of metal chalcogenides and phosphides: Fundamentals, origins, and future strategies. <i>Journal of Energy Chemistry</i> , 2023, 81, 167-191.	7.1	31
2029	No bacterial-mediated alleviation of thermal stress in a brown seaweed suggests the absence of ecological bacterial rescue effects. <i>Science of the Total Environment</i> , 2023, 876, 162532.	3.9	1
2030	Clownfish larvae exhibit faster growth, higher metabolic rates and altered gene expression under future ocean warming. <i>Science of the Total Environment</i> , 2023, 873, 162296.	3.9	2
2031	Contribution of plastic and microplastic to global climate change and their conjoining impacts on the environment - A review. <i>Science of the Total Environment</i> , 2023, 875, 162627.	3.9	30
2032	Drivers of temporal variation in benthic cover and coral health of an oceanic intertidal reef in Southwestern Atlantic. <i>Regional Studies in Marine Science</i> , 2023, 60, 102874.	0.4	2
2033	Characteristics of Marine Heatwaves in the Philippines. <i>Regional Studies in Marine Science</i> , 2023, 62, 102934.	0.4	2
2034	From the shallow to the mesophotic: a characterization of Symbiodiniaceae diversity in the Red Sea NEOM region. <i>Frontiers in Marine Science</i> , 0, 10, .	1.2	3
2035	Differential bleaching susceptibility among coral taxa and colony sizes, relative to bleaching severity across Australia's Great Barrier Reef and Coral Sea Marine Parks. <i>Marine Pollution Bulletin</i> , 2023, 191, 114907.	2.3	5
2036	A quantitative analysis of marine heatwaves in response to rising sea surface temperature. <i>Science of the Total Environment</i> , 2023, 881, 163396.	3.9	4

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2038	Using size-weight relationships to estimate biomass of heavily targeted aquarium corals by Australia's coral harvest fisheries. <i>Scientific Reports</i> , 2023, 13, .	1.6	0
2039	Consistent responses of coral microbiome to acute and chronic heat stress exposures. <i>Marine Environmental Research</i> , 2023, 185, 105900.	1.1	9
2040	Large-scale impact of the 2016 Marine Heatwave on the plankton-associated microbial communities of the Great Barrier Reef (Australia). <i>Marine Pollution Bulletin</i> , 2023, 188, 114685.	2.3	11
2042	Arctic warming contributes to increase in Northeast Pacific marine heatwave days over the past decades. <i>Communications Earth &amp; Environment</i> , 2023, 4, .	2.6	6
2043	Conservation at the edge: connectivity and opportunities from non-protected coral reefs close to a National Park in the Colombian Caribbean. <i>Biodiversity and Conservation</i> , 2023, 32, 1493-1522.	1.2	0
2044	Changes in marine hot and cold extremes in the China Seas during 1982-2020. <i>Weather and Climate Extremes</i> , 2023, 39, 100553.	1.6	0
2045	Changes in population biology of three coral reef fishes in the South China Sea between 1998-1999 and 2016-2019. <i>Frontiers in Conservation Science</i> , 0, 4, .	0.9	0
2046	Increased dominance of heat-tolerant symbionts creates resilient coral reefs in near-term ocean warming. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, .	3.3	15
2047	High survival following bleaching underscores the resilience of a frequently disturbed region of the Great Barrier Reef. <i>Ecosphere</i> , 2023, 14, .	1.0	6
2048	Acclimation potential of <i>Acropora</i> to mesophotic environment. <i>Marine Pollution Bulletin</i> , 2023, 188, 114698.	2.3	2
2049	Mechanisms and Impacts of Earth System Tipping Elements. <i>Reviews of Geophysics</i> , 2023, 61, .	9.0	10
2050	Individual and combined effect of organic eutrophication (DOC) and ocean warming on the ecophysiology of the Octocoral <i>Pinnigorgia flava</i> . <i>PeerJ</i> , 0, 11, e14812.	0.9	0
2051	Material legacies can degrade resilience: Structure-retaining disturbances promote regime shifts on coral reefs. <i>Ecology</i> , 2023, 104, .	1.5	3
2052	Aquatic Productivity under Multiple Stressors. <i>Water (Switzerland)</i> , 2023, 15, 817.	1.2	3
2053	Heatwaves and a decrease in turbidity drive coral bleaching in Atlantic marginal equatorial reefs. <i>Frontiers in Marine Science</i> , 0, 10, .	1.2	1
2054	Species richness and the dynamics of coral cover in Bangka Belitung Islands, Indonesia. <i>PeerJ</i> , 0, 11, e14625.	0.9	0
2055	Climate Change in the Arctic: Wind as an Impact Factor on the Coastal Phytocenoses in the Barents Sea. <i>Lecture Notes in Networks and Systems</i> , 2023, , 2819-2827.	0.5	0
2056	Seasonal variability in resilience of a coral reef fish to marine heatwaves and hypoxia. <i>Global Change Biology</i> , 2023, 29, 2522-2535.	4.2	3

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2057	Photodegradation of a bacterial pigment and resulting hydrogen peroxide release enable coral settlement. <i>Scientific Reports</i> , 2023, 13, .	1.6	2
2058	A phenomic modeling approach for using chlorophyll-a fluorescence-based measurements on coral photosymbionts. <i>Frontiers in Marine Science</i> , 0, 10, .	1.2	8
2060	Disparate population and holobiont structure of pocilloporid corals across the Red Sea gradient demonstrate species-specific evolutionary trajectories. <i>Molecular Ecology</i> , 2023, 32, 2151-2173.	2.0	10
2061	The Evolution of Coral Reef under Changing Climate: A Scientometric Review. <i>Animals</i> , 2023, 13, 949.	1.0	9
2062	Farmerfish gardens help buffer stony corals against marine heat waves. <i>PLoS ONE</i> , 2023, 18, e0282572.	1.1	1
2063	Differential susceptibility of Red Sea Pocilloporidae corals to UVB highlights photoacclimation potential. <i>Frontiers in Marine Science</i> , 0, 10, .	1.2	0
2064	Production and accumulation of reef framework by calcifying corals and macroalgae on a remote Indian Ocean cay. <i>Biogeosciences</i> , 2023, 20, 1011-1026.	1.3	0
2065	Seasonal cycle of marine heatwaves in the northern South China Sea. <i>Climate Dynamics</i> , 2023, 61, 3367-3377.	1.7	5
2066	Excess labile carbon promotes diazotroph abundance in heat-stressed octocorals. <i>Royal Society Open Science</i> , 2023, 10, .	1.1	2
2067	Toward a New Era of Coral Reef Monitoring. <i>Environmental Science &amp; Technology</i> , 2023, 57, 5117-5124.	4.6	5
2068	Green nanoparticles for stereospecific and stereoselective organic synthesis. , 2023, , 195-240.		0
2069	Hippocampus guttulatus diet based on DNA metabarcoding. <i>Frontiers in Marine Science</i> , 0, 10, .	1.2	2
2070	High-frequency imagery to capture coral tissue ( <i>Montipora capricornis</i> ) response to environmental stress, a pilot study. <i>PLoS ONE</i> , 2023, 18, e0283042.	1.1	0
2071	Coral adaptive capacity insufficient to halt global transition of coral reefs into net erosion under climate change. <i>Global Change Biology</i> , 2023, 29, 3010-3018.	4.2	2
2072	Continent-wide declines in shallow reef life over a decade of ocean warming. <i>Nature</i> , 2023, 615, 858-865.	13.7	18
2073	A global analysis of coral bleaching patterns in association with mangrove environments under global warming. <i>Ecography</i> , 2023, 2023, .	2.1	0
2074	Added value of a regional coupled model: the case study for marine heatwaves in the Caribbean. <i>Climate Dynamics</i> , 0, , .	1.7	0
2075	Study on the Progress in Climate-Change-Oriented Human Settlement Research. <i>Sustainability</i> , 2023, 15, 5733.	1.6	1

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2076	Long-term variations in trophic groups of coral reef fishes in the lagoon of Meiji Reef in the South China Sea. <i>Frontiers in Conservation Science</i> , 0, 4, .	0.9	0
2077	Transformation of coral communities subjected to an unprecedented heatwave is modulated by local disturbance. <i>Science Advances</i> , 2023, 9, .	4.7	13
2078	Tipping points and interactive effects of chronic human disturbance and acute heat stress on coral diversity. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2023, 290, .	1.2	1
2079	No apparent trade-offs associated with heat tolerance in a reef-building coral. <i>Communications Biology</i> , 2023, 6, .	2.0	9
2080	Thermal photo-physiological responses of massive heat-resistant coral <i>Porites lutea</i> under fish predated versus non-predated conditions. , 2023, 7, .		0
2081	Diversity, density and photo-physiology of micro-phytoplankton from degraded and non-degraded reefs around Rodrigues Island, Western Indian Ocean. , 2023, 7, .		1
2083	The microbiome of the endosymbiotic Symbiodiniaceae in corals exposed to thermal stress. <i>Hydrobiologia</i> , 2023, 850, 3685-3704.	1.0	4
2084	Marine protected areas in a changing ocean: Adaptive management can mitigate the synergistic effects of local and climate change impacts. <i>Biological Conservation</i> , 2023, 282, 110048.	1.9	6
2085	Research priorities for the sustainability of coral-rich western Pacific seascapes. <i>Regional Environmental Change</i> , 2023, 23, .	1.4	0
2092	Does Great Barrier Reef management account for a future beyond 1.5 degrees?. , 2023, , .		1
2122	Dynamics of Coral Reef Communities in the Sekisei Lagoon, Japan, Following the Severe Mass Bleaching Event of 2016. <i>Coral Reefs of the World</i> , 2023, , 37-52.	0.3	0
2124	Succession and Spread of Coral Diseases and Coral-Killing Sponges with Special Reference to Microbes in Southeast Asia and Adjacent Waters. <i>Coral Reefs of the World</i> , 2023, , 73-96.	0.3	1
2125	Succession and Emergence of Corals in High-Latitude (Temperate) Areas of Eastern Asia into the Future. <i>Coral Reefs of the World</i> , 2023, , 53-71.	0.3	0
2127	Bleaching of the world's coral reefs. , 2023, , 251-271.		0
2141	The Expected Impacts of Climate Change on the Ocean Economy. , 2023, , 15-50.		1
2143	Coastal Development: Resilience, Restoration and Infrastructure Requirements. , 2023, , 213-277.		1
2171	Marine Heatwaves: Impact on Physiology, Populations, and Communities of Coastal Marine Invertebrates. , 2023, , .		1
2182	Rethinking the effect of marine heatwaves on fish. <i>Nature</i> , 0, , .	13.7	0

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2198	Progress and challenges in exploring aquatic microbial communities using non-targeted metabolomics. <i>ISME Journal</i> , 2023, 17, 2147-2159.	4.4	1
2199	Sponge functional roles in a changing world. <i>Advances in Marine Biology</i> , 2023, , .	0.7	0
2207	Observed Climate Change and Ecological Environment Evolution and Their Causes. , 2023, , 25-78.		0
2222	Analysis of Sea Surface Temperature Variability Using Machine Learning. <i>Mathematics of Planet Earth</i> , 2024, , 247-260.	0.1	0
2225	Coastal Nitrogen Cycling â€“ Biogeochemical Processes and the Impacts of Human Activities and Climate Change. , 2023, , .		0
2235	Parallel Computing Implementation of Marine Heat Waves Detection. , 2023, , .		0
2251	Microbial Symbiosis in Marine Ecosystem. , 2023, , 33-44.		0
2260	Sustainability and Sustainable Development in the Food Industry. , 2023, , 3251-3263.		0
2285	Integrating equity-focused planning into coral bleaching management. , 2023, 2, .		0
2292	Status of Cuban Coral Reefs. <i>Coral Reefs of the World</i> , 2023, , 283-307.	0.3	0
2337	Visualisation and Modeling of Marine Ecosystem Using AI - A Way Forward for Ocean Sustainability: A Case of Flic en Flac Region, Mauritius. , 2023, , .		0