

Coral reefs in the Anthropocene

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Evolving polycentric governance of the Great Barrier Reef. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E3013-E3021.	3.3	118
2	The genomics of recovery from coral bleaching. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20171790.	1.2	54
3	Australia's Unprecedented Future Temperature Extremes Under Paris Limits to Warming. Geophysical Research Letters, 2017, 44, 9947-9956.	1.5	42
4	<i>Porites</i> coral response to an oceanographic and human impact gradient in the Line Islands. Limnology and Oceanography, 2017, 62, 2850-2863.	1.6	11
5	How to conceptualize and operationalize resilience in socio-ecological systems?. Current Opinion in Environmental Sustainability, 2017, 28, 108-113.	3.1	53
6	Decline of "biodiversity"™ in conservation policy discourse in Australia. Environmental Science and Policy, 2017, 77, 160-165.	2.4	11
7	Ecosystem shift after a hot event. Nature Ecology and Evolution, 2017, 1, 1226-1227.	3.4	6
8	Low recruitment due to altered settlement substrata as primary constraint for coral communities under ocean acidification. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20171536.	1.2	45
9	New interventions are needed to save coral reefs. Nature Ecology and Evolution, 2017, 1, 1420-1422.	3.4	182
10	Unbounded boundaries and shifting baselines: Estuaries and coastal seas in a rapidly changing world. Estuarine, Coastal and Shelf Science, 2017, 198, 311-319.	0.9	31
11	Sea anemone model has a single Toll-like receptor that can function in pathogen detection, NF- κ B signal transduction, and development. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E10122-E10131.	3.3	66
12	Observations, indicators and scenarios of biodiversity and ecosystem services change " a framework to support policy and decision-making. Current Opinion in Environmental Sustainability, 2017, 29, 198-206.	3.1	11
13	Future Reef Growth Can Mitigate Physical Impacts of Sea-Level Rise on Atoll Islands. Earth's Future, 2017, 5, 1002-1014.	2.4	48
14	The social structural foundations of adaptation and transformation in socialÓecological systems. Ecology and Society, 2017, 22, .	1.0	115
15	Analysis Framework of China's Grain Production System: A Spatial Resilience Perspective. Sustainability, 2017, 9, 2340.	1.6	12
16	Demographic Mechanisms of Reef Coral Species Winking from Communities under Increased Environmental Stress. Frontiers in Marine Science, 2017, 4, .	1.2	34
17	Partitioning no-take marine reserve (NTMR) and benthic habitat effects on density of small and large-bodied tropical wrasses. PLoS ONE, 2017, 12, e0188515.	1.1	12
18	High salinity conveys thermotolerance in the coral model <i>Aiptasia</i> . Biology Open, 2017, 6, 1943-1948.	0.6	42

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19	Population collapse dynamics in <i>Acropora downingi</i> , an Arabian/Persian Gulf ecosystemâ€œengineering coral, linked to rising temperature. <i>Global Change Biology</i> , 2018, 24, 2447-2462.	4.2	95
20	Fringing reef growth over a shallow last interglacial reef foundation at a mid-shelf high island: Holbourne Island, central Great Barrier Reef. <i>Marine Geology</i> , 2018, 398, 137-150.	0.9	3
21	The effects of environmental history and thermal stress on coral physiology and immunity. <i>Marine Biology</i> , 2018, 165, 1.	0.7	23
22	Biogeographical disparity in the functional diversity and redundancy of corals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 3084-3089.	3.3	98
23	Coral reef structural complexity provides important coastal protection from waves under rising sea levels. <i>Science Advances</i> , 2018, 4, eaao4350.	4.7	145
24	Increasing thermal stress for tropical coral reefs: 1871â€œ2017. <i>Scientific Reports</i> , 2018, 8, 6079.	1.6	182
25	Climate change and regional human pressures as challenges for management in oceanic islands, South Atlantic. <i>Marine Pollution Bulletin</i> , 2018, 131, 347-355.	2.3	13
26	CRISPR/Cas9-mediated genome editing in a reef-building coral. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 5235-5240.	3.3	110
27	Split spawning realigns coral reproduction with optimal environmental windows. <i>Nature Communications</i> , 2018, 9, 718.	5.8	24
28	Global warming transforms coral reef assemblages. <i>Nature</i> , 2018, 556, 492-496.	13.7	1,173
29	Spatial Variation in a Shallow-Water Sponge-Dominated Reef in Timor-Leste (East Timor). <i>Pacific Science</i> , 2018, 72, 233-244.	0.2	7
30	Change detection using remote sensing in a reef environment of the UAE during the extreme event of El NiÃ±o 2015â€œ2016. <i>International Journal of Remote Sensing</i> , 2018, 39, 6358-6382.	1.3	9
31	Mass coral bleaching causes biotic homogenization of reef fish assemblages. <i>Global Change Biology</i> , 2018, 24, 3117-3129.	4.2	162
32	Microbial conservation in the Anthropocene. <i>Environmental Microbiology</i> , 2018, 20, 1925-1928.	1.8	19
33	Climate change promotes parasitism in a coral symbiosis. <i>ISME Journal</i> , 2018, 12, 921-930.	4.4	220
34	Building adaptive capacity to climate change in tropical coastal communities. <i>Nature Climate Change</i> , 2018, 8, 117-123.	8.1	416
35	Protecting the blue. <i>Nature Climate Change</i> , 2018, 8, 91-91.	8.1	0
36	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

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37	Terrestrial influence as a key driver of spatial variability in large benthic foraminiferal assemblage composition in the Central Indo-Pacific. <i>Earth-Science Reviews</i> , 2018, 177, 514-544.	4.0	68
38	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
39	Spatial and temporal patterns of mass bleaching of corals in the Anthropocene. <i>Science</i> , 2018, 359, 80-83.	6.0	1,515
40	Fluorescent organic exudates of corals and algae in tropical reefs are compositionally distinct and increase with nutrient enrichment. <i>Limnology and Oceanography Letters</i> , 2018, 3, 331-340.	1.6	25
41	The role of the reef flat in coral reef trophodynamics: Past, present, and future. <i>Ecology and Evolution</i> , 2018, 8, 4108-4119.	0.8	51
42	Habitat degradation negatively affects auditory settlement behavior of coral reef fishes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 5193-5198.	3.3	77
43	Carbon dioxide addition to coral reef waters suppresses net community calcification. <i>Nature</i> , 2018, 555, 516-519.	13.7	118
44	Fishes in a changing world: learning from the past to promote sustainability of fish populations. <i>Journal of Fish Biology</i> , 2018, 92, 804-827.	0.7	51
45	A biodiversity-crisis hierarchy to evaluate and refine conservation indicators. <i>Nature Ecology and Evolution</i> , 2018, 2, 775-781.	3.4	54
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47	Ecosystem regime shifts disrupt trophic structure. <i>Ecological Applications</i> , 2018, 28, 191-200.	1.8	43
48	Disentangling causation: complex roles of coral-associated microorganisms in disease. <i>Environmental Microbiology</i> , 2018, 20, 431-449.	1.8	69
49	Future marine ecosystem drivers, biodiversity, and fisheries maximum catch potential in Pacific Island countries and territories under climate change. <i>Marine Policy</i> , 2018, 88, 285-294.	1.5	67
50	Novel ecosystems: Governance and conservation in the age of the Anthropocene. <i>Journal of Environmental Management</i> , 2018, 208, 36-45.	3.8	38
51	Can mesophotic reefs replenish shallow reefs? Reduced coral reproductive performance casts a doubt. <i>Ecology</i> , 2018, 99, 421-437.	1.5	85
52	Dilemmas of modelling and decision-making in environmental research. <i>Environmental Modelling and Software</i> , 2018, 99, 147-155.	1.9	24
53	Symbiont shuffling linked to differential photochemical dynamics of Symbiodinium in three Caribbean reef corals. <i>Coral Reefs</i> , 2018, 37, 145-152.	0.9	62
54	An improved primer set and amplification protocol with increased specificity and sensitivity targeting the <i>Symbiodinium</i> ITS2 region. <i>PeerJ</i> , 2018, 6, e4816.	0.9	102

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55	Bioacoustic monitoring: Urgent challenges and opportunities on the MesoAmerican Reef System. , 2018, , .		0
56	Mesophotic ecosystems: Distribution, impacts and conservation in the South Atlantic. Diversity and Distributions, 2019, 25, 255-268.	1.9	37
57	Matching Ecosystem Functions with Adaptive Ecosystem Management: Decision Pathways to Overcome Institutional Barriers. Water (Switzerland), 2018, 10, 672.	1.2	9
58	Integrated evidence reveals a new species in the ancient blue coral genus <i>Heliopora</i> (Octocorallia). Scientific Reports, 2018, 8, 15875.	1.6	27
59	Densityâ€dependence mediates coral assemblage structure. Ecology, 2018, 99, 2605-2613.	1.5	12
60	Maneuvering towards adaptive co-management in a coral reef fishery. Marine Policy, 2018, 98, 77-84.	1.5	17
61	Critical Information Gaps Impeding Understanding of the Role of Larval Connectivity Among Coral Reef Islands in an Era of Global Change. Frontiers in Marine Science, 2018, 5, .	1.2	18
62	Impact of the Use of a Teaching Toolbox in an Awareness Campaign on Children's Representations of Coral Reefs. Frontiers in Marine Science, 2018, 5, .	1.2	3
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64	Rapid coral mortality following unusually calm and hot conditions on Iriomote, Japan. F1000Research, 2017, 6, 1728.	0.8	9
65	Effects of Partial Mortality on Growth, Reproduction and Total Lipid Content in the Elkhorn Coral <i>Acropora palmata</i> . Frontiers in Marine Science, 2018, 5, .	1.2	4
66	Quantifying resilience of humans and other animals. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 11883-11890.	3.3	204
67	Neighbor Diversity Regulates the Productivity of Coral Assemblages. Current Biology, 2018, 28, 3634-3639.e3.	1.8	28
68	1.5Â°C Hotspots: Climate Hazards, Vulnerabilities, and Impacts. Annual Review of Environment and Resources, 2018, 43, 135-163.	5.6	32
69	Synchronous behavioural shifts in reef fishes linked to mass coral bleaching. Nature Climate Change, 2018, 8, 986-991.	8.1	44
70	Functional links on coral reefs: Urchins and triggerfishes, a cautionary tale. Marine Environmental Research, 2018, 141, 255-263.	1.1	10
71	Linking economic growth pathways and environmental sustainability by understanding development as alternate socialâ€ecological regimes. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9533-9538.	3.3	91
72	A Deep learning method for accurate and fast identification of coral reef fishes in underwater images. Ecological Informatics, 2018, 48, 238-244.	2.3	147

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74	Ocean Solutions to Address Climate Change and Its Effects on Marine Ecosystems. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	248
75	Predicting coral community recovery using multi-species population dynamics models. <i>Ecology Letters</i> , 2018, 21, 1790-1799.	3.0	59
77	Establishing microbial baselines to identify indicators of coral reef health. <i>Microbiology Australia</i> , 2018, 39, 42.	0.1	23
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80	Loss of live coral compromises predator-avoidance behaviour in coral reef damselfish. <i>Scientific Reports</i> , 2018, 8, 7795.	1.6	20
81	Depth-related patterns in coral recruitment across a shallow to mesophotic gradient. <i>Coral Reefs</i> , 2018, 37, 711-722.	0.9	25
82	Risk-sensitive planning for conserving coral reefs under rapid climate change. <i>Conservation Letters</i> , 2018, 11, e12587.	2.8	151
83	Exposure to elevated carbon dioxide does not impair short-term swimming behaviour or shelter-seeking in a predatory coral-reef fish. <i>Journal of Fish Biology</i> , 2018, 93, 138-142.	0.7	6
84	Sponge chemical defenses are a possible mechanism for increasing sponge abundance on reefs in Zanzibar. <i>PLoS ONE</i> , 2018, 13, e0197617.	1.1	29
85	Exploring the diversity-stability paradigm using sponge microbial communities. <i>Scientific Reports</i> , 2018, 8, 8425.	1.6	66
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87	Recovery of coral assemblages despite acute and recurrent disturbances on a South Central Pacific reef. <i>Scientific Reports</i> , 2018, 8, 9680.	1.6	93
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90	Ecosystem restructuring along the Great Barrier Reef following mass coral bleaching. <i>Nature</i> , 2018, 560, 92-96.	13.7	204
91	Marginal coral reefs show high susceptibility to phase shift. <i>Marine Pollution Bulletin</i> , 2018, 135, 551-561.	2.3	40

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92	Sediment addition drives declines in algal turf yield to herbivorous coral reef fishes: implications for reefs and reef fisheries. <i>Coral Reefs</i> , 2018, 37, 929-937.	0.9	40
93	Mechanisms of Thermal Tolerance in Reef-Building Corals across a Fine-Grained Environmental Mosaic: Lessons from Ofu, American Samoa. <i>Frontiers in Marine Science</i> , 2018, 4, .	1.2	110
94	Paradigm Lost: Ocean Acidification Will Overturn the Concept of Larval-Fish Biophysical Dispersal. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	17
95	Local Biomass Baselines and the Recovery Potential for Hawaiian Coral Reef Fish Communities. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	22
96	Coral Reef Carbonate Chemistry Variability at Different Functional Scales. <i>Frontiers in Marine Science</i> , 2018, 5, .	1.2	44
97	Cumulative Human Impacts on Coral Reefs: Assessing Risk and Management Implications for Brazilian Coral Reefs. <i>Diversity</i> , 2018, 10, 26.	0.7	22
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99	Synthesis: Coral Bleaching: Patterns, Processes, Causes and Consequences. <i>Ecological Studies</i> , 2018, , 343-348.	0.4	18
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101	Climate Variability and Change: Monitoring Data and Evidence for Increased Coral Bleaching Stress. <i>Ecological Studies</i> , 2018, , 51-84.	0.4	4
102	Climate change alterations to ecosystem dominance: how might sponge-dominated reefs function?. <i>Ecology</i> , 2018, 99, 1920-1931.	1.5	56
103	Mesophotic coral ecosystems are threatened and ecologically distinct from shallow water reefs. <i>Science</i> , 2018, 361, 281-284.	6.0	213
104	Sea-level rise could overwhelm coral reefs. <i>Nature</i> , 2018, 558, 378-379.	13.7	6
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107	The Red Sea Simulator: A high-precision climate change mesocosm with automated monitoring for the long-term study of coral reef organisms. <i>Limnology and Oceanography: Methods</i> , 2018, 16, 367-375.	1.0	30
108	Quantifying ecological and social drivers of ecological surprise. <i>Journal of Applied Ecology</i> , 2018, 55, 2135-2146.	1.9	12
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110	A framework for measuring coral species-specific contribution to reef functioning in the Caribbean. <i>Ecological Indicators</i> , 2018, 95, 877-886.	2.6	71
111	Exceptional biodiversity of the cryptofaunal decapods in the Chagos Archipelago, central Indian Ocean. <i>Marine Pollution Bulletin</i> , 2018, 135, 636-647.	2.3	7
112	Importation of marine ornamental fishes to Switzerland. <i>Global Ecology and Conservation</i> , 2018, 15, e00418.	1.0	8
113	Thresholds and drivers of coral calcification responses to climate change. <i>Global Change Biology</i> , 2018, 24, 5084-5095.	4.2	73
114	Transmission of climate risks across sectors and borders. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018, 376, 20170301.	1.6	74
115	Detecting ecological regime shifts from transect data. <i>Ecological Monographs</i> , 2018, 88, 694-715.	2.4	4
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118	Local human activities limit marine protection efficacy on Caribbean coral reefs. <i>Conservation Letters</i> , 2018, 11, e12571.	2.8	59
119	Local management actions can increase coral resilience to thermally-induced bleaching. <i>Nature Ecology and Evolution</i> , 2018, 2, 1075-1079.	3.4	51
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123	Large-scale coral reef rehabilitation after blast fishing in Indonesia. <i>Restoration Ecology</i> , 2019, 27, 447-456.	1.4	79
124	One Realm: Thinking Geothically and Guiding Small-Scale Fisheries?. <i>European Journal of Development Research</i> , 2019, 31, 253-270.	1.2	7
125	Selling Anthropocene space: situated adventures in sustainable tourism. <i>Journal of Sustainable Tourism</i> , 2019, 27, 436-451.	5.7	13
126	Social "environmental drivers inform strategic management of coral reefs in the Anthropocene. <i>Nature Ecology and Evolution</i> , 2019, 3, 1341-1350.	3.4	175
127	Impact of sea surface temperature anomalies on giant clam population dynamics in Lakshadweep reefs: Inferences from a fourteen years study. <i>Ecological Indicators</i> , 2019, 107, 105604.	2.6	10

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130	Photophysiological Responses of Canopy-Forming Kelp Species to Short-Term Acute Warming. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	14
131	Determining keystone species complexes and macroscopic properties for improving ecosystem-based conservation practices in coral reefs along the western Caribbean Sea (Mexico and Honduras). <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2019, 29, 1971-1987.	0.9	4
132	Willingness to pay to protect cold water corals. <i>Conservation Biology</i> , 2019, 33, 1329-1337.	2.4	8
133	Nearshore Fish Aggregating Devices Show Positive Outcomes for Sustainable Fisheries Development in Timor-Leste. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	19
134	Biological Status Assessment of Coral Reefs in Southern Puerto Rico: Supporting Coral Reef Protection Under the U.S. Clean Water Act. <i>Coastal Management</i> , 2019, 47, 429-452.	1.0	6
135	Physiological and reproductive repercussions of consecutive summer bleaching events of the threatened Caribbean coral <i>Orbicella faveolata</i> . <i>Coral Reefs</i> , 2019, 38, 863-876.	0.9	54
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137	The concerns of the young protesters are justified: A statement by <i>Scientists for Future</i> concerning the protests for more climate protection. <i>Gaia</i> , 2019, 28, 79-87.	0.3	56
138	Coral Bleaching in the Persian/Arabian Gulf Is Modulated by Summer Winds. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	46
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141	Acknowledging differences: number, characteristics, and distribution of marine benthic communities along Taiwan coast. <i>Ecosphere</i> , 2019, 10, e02803.	1.0	16
142	The 2014-2017 global-scale coral bleaching event: insights and impacts. <i>Coral Reefs</i> , 2019, 38, 539-545.	0.9	246
143	Coral reef ecosystem functioning: eight core processes and the role of biodiversity. <i>Frontiers in Ecology and the Environment</i> , 2019, 17, 445-454.	1.9	175
144	Unique quantitative Symbiodiniaceae signature of coral colonies revealed through spatio-temporal survey in Moorea. <i>Scientific Reports</i> , 2019, 9, 7921.	1.6	32
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149	Characterization of the CO ₂ System in a Coral Reef, a Seagrass Meadow, and a Mangrove Forest in the Central Red Sea. <i>Journal of Geophysical Research: Oceans</i> , 2019, 124, 7513-7528.	1.0	24
150	Temporal stability of <i>Orbicella annularis</i> symbioses: a case study in The Bahamas. <i>Bulletin of Marine Science</i> , 2019, 95, 289-304.	0.4	1
151	<i>Oceans and Coasts.</i> , 2019, , 174-199.		0
152	The Effect of Algal-Gardening Damselfish on the Resilience of the Mesoamerican Reef. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	14
153	Multi-Decadal Change in Reef-Scale Production and Calcification Associated With Recent Disturbances on a Lizard Island Reef Flat. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	12
154	Fallen Pillars: The Past, Present, and Future Population Dynamics of a Rare, Specialist Coral-Algal Symbiosis. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	23
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156	Rapid human-driven undermining of atoll island capacity to adjust to ocean climate-related pressures. <i>Scientific Reports</i> , 2019, 9, 15129.	1.6	31
157	Networking the Blue Economy in Seychelles: pioneers, resistance, and the power of influence. <i>Journal of Political Ecology</i> , 2019, 26, .	0.4	15
158	Social-ecological trends: managing the vulnerability of coastal fishing communities. <i>Ecology and Society</i> , 2019, 24, .	1.0	20
159	The demography of hurricane effects on two coral populations differing in dynamics. <i>Ecosphere</i> , 2019, 10, e02836.	1.0	10
160	Multiple stressor effects on coral reef ecosystems. <i>Global Change Biology</i> , 2019, 25, 4131-4146.	4.2	83
161	CoralSeg: Learning coral segmentation from sparse annotations. <i>Journal of Field Robotics</i> , 2019, 36, 1456-1477.	3.2	30
162	Independent effects of ocean warming versus acidification on the growth, survivorship and physiology of two <i>Acropora</i> corals. <i>Coral Reefs</i> , 2019, 38, 1225-1240.	0.9	13
163	Changes of energy fluxes in marine animal forests of the Anthropocene: factors shaping the future seascape. <i>ICES Journal of Marine Science</i> , 2019, 76, 2008-2019.	1.2	24
164	Managing cross-scale dynamics in marine conservation: Pest irruptions and lessons from culling of crown-of-thorns starfish (<i>Acanthaster</i> spp.). <i>Biological Conservation</i> , 2019, 238, 108211.	1.9	24
165	Analyzing drivers of fish biomass and biodiversity within community fish refuges in Cambodia. <i>Ecology and Society</i> , 2019, 24, .	1.0	9

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167	Assessing key ecosystem functions through soundscapes: A new perspective from coral reefs. <i>Ecological Indicators</i> , 2019, 107, 105623.	2.6	36
168	Prevention is better than cure: Persian Gulf biodiversity vulnerability to the impacts of desalination plants. <i>Global Change Biology</i> , 2019, 25, 4022-4033.	4.2	45
169	Ex situ co culturing of the sea urchin, <i>Mespilia globulus</i> and the coral <i>Acropora millepora</i> enhances early post-settlement survivorship. <i>Scientific Reports</i> , 2019, 9, 12984.	1.6	43
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