

# Peter J Mumby

## List of Publications by Year in descending order

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329  
papers

35,919  
citations

3531

90  
h-index

4117

175  
g-index

339  
all docs

339  
docs citations

339  
times ranked

23025  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coral Reefs Under Rapid Climate Change and Ocean Acidification. <i>Science</i> , 2007, 318, 1737-1742.	12.6	4,578
2	The IPBES Conceptual Framework “connecting nature and people. <i>Current Opinion in Environmental Sustainability</i> , 2015, 14, 1-16.	6.3	1,658
3	A mid-term analysis of progress toward international biodiversity targets. <i>Science</i> , 2014, 346, 241-244.	12.6	949
4	Rising to the challenge of sustaining coral reef resilience. <i>Trends in Ecology and Evolution</i> , 2010, 25, 633-642.	8.7	872
5	Mangroves enhance the biomass of coral reef fish communities in the Caribbean. <i>Nature</i> , 2004, 427, 533-536.	27.8	861
6	Fishing, Trophic Cascades, and the Process of Grazing on Coral Reefs. <i>Science</i> , 2006, 311, 98-101.	12.6	738
7	Thresholds and the resilience of Caribbean coral reefs. <i>Nature</i> , 2007, 450, 98-101.	27.8	724
8	The tropicalization of temperate marine ecosystems: climate-mediated changes in herbivory and community phase shifts. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20140846.	2.6	679
9	Capacity shortfalls hinder the performance of marine protected areas globally. <i>Nature</i> , 2017, 543, 665-669.	27.8	630
10	Coral reef management and conservation in light of rapidly evolving ecological paradigms. <i>Trends in Ecology and Evolution</i> , 2008, 23, 555-563.	8.7	496
11	The cost and feasibility of marine coastal restoration. <i>Ecological Applications</i> , 2016, 26, 1055-1074.	3.8	495
12	Global disparity in the resilience of coral reefs. <i>Trends in Ecology and Evolution</i> , 2012, 27, 404-413.	8.7	384
13	Climate change disables coral bleaching protection on the Great Barrier Reef. <i>Science</i> , 2016, 352, 338-342.	12.6	375
14	Technical note: Simple and robust removal of sun glint for mapping shallow-water benthos. <i>International Journal of Remote Sensing</i> , 2005, 26, 2107-2112.	2.9	370
15	Trophic cascade facilitates coral recruitment in a marine reserve. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 8362-8367.	7.1	328
16	Larval dispersal and movement patterns of coral reef fishes, and implications for marine reserve network design. <i>Biological Reviews</i> , 2015, 90, 1215-1247.	10.4	304
17	The Impact Of Exploiting Grazers (Scaridae) On The Dynamics Of Caribbean Coral Reefs. , 2006, 16, 747-769.		303
18	Mapping marine environments with IKONOS imagery: enhanced spatial resolution can deliver greater thematic accuracy. <i>Remote Sensing of Environment</i> , 2002, 82, 248-257.	11.0	295

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19	Caribbean-wide decline in carbonate production threatens coral reef growth. <i>Nature Communications</i> , 2013, 4, 1402.	12.8	291
20	Multi-site evaluation of IKONOS data for classification of tropical coral reef environments. <i>Remote Sensing of Environment</i> , 2003, 88, 128-143.	11.0	289
21	Ocean acidification and warming will lower coral reef resilience. <i>Global Change Biology</i> , 2011, 17, 1798-1808.	9.5	277
22	Effect of macroalgal competition on growth and survival of juvenile Caribbean corals. <i>Marine Ecology - Progress Series</i> , 2007, 342, 139-149.	1.9	268
23	Remote sensing techniques for mangrove mapping. <i>International Journal of Remote Sensing</i> , 1998, 19, 935-956.	2.9	261
24	Remote sensing of coral reefs and their physical environment. <i>Marine Pollution Bulletin</i> , 2004, 48, 219-228.	5.0	259
25	Marine Reserves Enhance the Recovery of Corals on Caribbean Reefs. <i>PLoS ONE</i> , 2010, 5, e8657.	2.5	259
26	Vulnerability of Coral Reef Fisheries to a Loss of Structural Complexity. <i>Current Biology</i> , 2014, 24, 1000-1005.	3.9	255
27	Avoiding Coral Reef Functional Collapse Requires Local and Global Action. <i>Current Biology</i> , 2013, 23, 912-918.	3.9	252
28	Remote Sensing of Coral Reefs for Monitoring and Management: A Review. <i>Remote Sensing</i> , 2016, 8, 118.	4.0	252
29	Loss of coral reef growth capacity to track future increases in sea level. <i>Nature</i> , 2018, 558, 396-400.	27.8	250
30	Running the gauntlet: inhibitory effects of algal turfs on the processes of coral recruitment. <i>Marine Ecology - Progress Series</i> , 2010, 414, 91-105.	1.9	245
31	Recent Region-wide Declines in Caribbean Reef Fish Abundance. <i>Current Biology</i> , 2009, 19, 590-595.	3.9	238
32	Approaches to defining a planetary boundary for biodiversity. <i>Global Environmental Change</i> , 2014, 28, 289-297.	7.8	236
33	Connectivity of reef fish between mangroves and coral reefs: Algorithms for the design of marine reserves at seascape scales. <i>Biological Conservation</i> , 2006, 128, 215-222.	4.1	231
34	Multi-scale, object-based image analysis for mapping geomorphic and ecological zones on coral reefs. <i>International Journal of Remote Sensing</i> , 2012, 33, 3768-3797.	2.9	231
35	Coral reef habitat mapping: how much detail can remote sensing provide?. <i>Marine Biology</i> , 1997, 130, 193-202.	1.5	227
36	A review of remote sensing for the assessment and management of tropical coastal resources. <i>Coastal Management</i> , 1996, 24, 1-40.	2.0	225

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37	Conservation planning for connectivity across marine, freshwater, and terrestrial realms. <i>Biological Conservation</i> , 2010, 143, 565-575.	4.1	220
38	The cost-effectiveness of remote sensing for tropical coastal resources assessment and management. <i>Journal of Environmental Management</i> , 1999, 55, 157-166.	7.8	216
39	The Ecological Role of Sharks on Coral Reefs. <i>Trends in Ecology and Evolution</i> , 2016, 31, 395-407.	8.7	209
40	Prioritizing Key Resilience Indicators to Support Coral Reef Management in a Changing Climate. <i>PLoS ONE</i> , 2012, 7, e42884.	2.5	204
41	Operationalizing resilience for adaptive coral reef management under global environmental change. <i>Global Change Biology</i> , 2015, 21, 48-61.	9.5	201
42	Phase shifts and the stability of macroalgal communities on Caribbean coral reefs. <i>Coral Reefs</i> , 2009, 28, 761-773.	2.2	186
43	Ocean acidification reduces coral recruitment by disrupting intimate larval-algal settlement interactions. <i>Ecology Letters</i> , 2012, 15, 338-346.	6.4	185
44	New interventions are needed to save coral reefs. <i>Nature Ecology and Evolution</i> , 2017, 1, 1420-1422.	7.8	182
45	Cloudy weather may have saved Society Island reef corals during the 1998 ENSO event. <i>Marine Ecology - Progress Series</i> , 2001, 222, 209-216.	1.9	182
46	Quantifying temporal change in biodiversity: challenges and opportunities. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20121931.	2.6	178
47	Development of a systematic classification scheme of marine habitats to facilitate regional management and mapping of Caribbean coral reefs. <i>Biological Conservation</i> , 1999, 88, 155-163.	4.1	176
48	Revisiting "Success" and "Failure" of Marine Protected Areas: A Conservation Scientist Perspective. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	174
49	Benefits of water column correction and contextual editing for mapping coral reefs. <i>International Journal of Remote Sensing</i> , 1998, 19, 203-210.	2.9	167
50	Estimating rates of biologically driven coral reef framework production and erosion: a new census-based carbonate budget methodology and applications to the reefs of Bonaire. <i>Coral Reefs</i> , 2012, 31, 853-868.	2.2	162
51	Connectivity of Caribbean coral populations: complementary insights from empirical and modelled gene flow. <i>Molecular Ecology</i> , 2012, 21, 1143-1157.	3.9	162
52	Coral reef applications of Sentinel-2: Coverage, characteristics, bathymetry and benthic mapping with comparison to Landsat 8. <i>Remote Sensing of Environment</i> , 2018, 216, 598-614.	11.0	162
53	Characterizing the ecological trade-offs throughout the early ontogeny of coral recruitment. <i>Ecological Monographs</i> , 2016, 86, 20-44.	5.4	153
54	The impact of ecosystem connectivity on coral reef resilience. <i>Journal of Applied Ecology</i> , 2008, 45, 854-862.	4.0	149

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55	Remote sensing of the coastal zone: An overview and priorities for future research. <i>International Journal of Remote Sensing</i> , 2003, 24, 2805-2815.	2.9	148
56	Reserve design for uncertain responses of coral reefs to climate change. <i>Ecology Letters</i> , 2011, 14, 132-140.	6.4	145
57	The future of resilience-based management in coral reef ecosystems. <i>Journal of Environmental Management</i> , 2019, 233, 291-301.	7.8	143
58	Organic carbon in seagrass sediments is influenced by seagrass canopy complexity, turbidity, wave height, and water depth. <i>Limnology and Oceanography</i> , 2016, 61, 938-952.	3.1	139
59	The Future of Coral Reefs Subject to Rapid Climate Change: Lessons from Natural Extreme Environments. <i>Frontiers in Marine Science</i> , 2018, 5, .	2.5	136
60	Ecological resilience, robustness and vulnerability: how do these concepts benefit ecosystem management?. <i>Current Opinion in Environmental Sustainability</i> , 2014, 7, 22-27.	6.3	131
61	A holistic view of marine regime shifts. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20130279.	4.0	131
62	Herbivory versus corallivory: are parrotfish good or bad for Caribbean coral reefs?. <i>Coral Reefs</i> , 2009, 28, 683-690.	2.2	129
63	Bleaching and hurricane disturbances to populations of coral recruits in Belize. <i>Marine Ecology - Progress Series</i> , 1999, 190, 27-35.	1.9	128
64	Tradeoffs between fisheries harvest and the resilience of coral reefs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 4536-4541.	7.1	124
65	Multiple Stressors and the Functioning of Coral Reefs. <i>Annual Review of Marine Science</i> , 2017, 9, 445-468.	11.6	124
66	Habitat collapse due to overgrazing threatens turtle conservation in marine protected areas. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20132890.	2.6	123
67	Estimating leaf area index of mangroves from satellite data. <i>Aquatic Botany</i> , 1997, 58, 11-19.	1.6	119
68	Revisiting the catastrophic die-off of the urchin <i>Diadema antillarum</i> on Caribbean coral reefs: Fresh insights on resilience from a simulation model. <i>Ecological Modelling</i> , 2006, 196, 131-148.	2.5	118
69	Transforming management of tropical coastal seas to cope with challenges of the 21st century. <i>Marine Pollution Bulletin</i> , 2014, 85, 8-23.	5.0	118
70	Connectivity and systemic resilience of the Great Barrier Reef. <i>PLoS Biology</i> , 2017, 15, e2003355.	5.6	117
71	Grouper as a Natural Biocontrol of Invasive Lionfish. <i>PLoS ONE</i> , 2011, 6, e21510.	2.5	116
72	Digital analysis of multispectral airborne imagery of coral reefs. <i>Coral Reefs</i> , 1998, 17, 59-69.	2.2	114

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73	Coral Reef Habitats as Surrogates of Species, Ecological Functions, and Ecosystem Services. <i>Conservation Biology</i> , 2008, 22, 941-951.	4.7	114
74	Integrating regional conservation priorities for multiple objectives into national policy. <i>Nature Communications</i> , 2015, 6, 8208.	12.8	113
75	The Functional Value of Caribbean Coral Reef, Seagrass and Mangrove Habitats to Ecosystem Processes. <i>Advances in Marine Biology</i> , 2006, 50, 57-189.	1.4	111
76	Mangrove Habitat Use by Juvenile Reef Fish: Meta-Analysis Reveals that Tidal Regime Matters More than Biogeographic Region. <i>PLoS ONE</i> , 2014, 9, e114715.	2.5	108
77	Seagrass ecosystem trajectory depends on the relative timescales of resistance, recovery and disturbance. <i>Marine Pollution Bulletin</i> , 2018, 134, 166-176.	5.0	108
78	Fishing down a Caribbean food web relaxes trophic cascades. <i>Marine Ecology - Progress Series</i> , 2012, 445, 13-24.	1.9	107
79	Anticipative management for coral reef ecosystem services in the 21st century. <i>Global Change Biology</i> , 2015, 21, 504-514.	9.5	105
80	Linking Demographic Processes of Juvenile Corals to Benthic Recovery Trajectories in Two Common Reef Habitats. <i>PLoS ONE</i> , 2015, 10, e0128535.	2.5	103
81	Impaired recovery of the Great Barrier Reef under cumulative stress. <i>Science Advances</i> , 2018, 4, eaar6127.	10.3	103
82	Spatial Patterns of Aggression, Territory Size, and Harem Size in Five Sympatric Caribbean Parrotfish Species. <i>Environmental Biology of Fishes</i> , 2002, 63, 265-279.	1.0	101
83	Regional-scale dominance of non-framework building corals on Caribbean reefs affects carbonate production and future reef growth. <i>Global Change Biology</i> , 2015, 21, 1153-1164.	9.5	101
84	Fisheries productivity under progressive coral reef degradation. <i>Journal of Applied Ecology</i> , 2018, 55, 1041-1049.	4.0	101
85	MODELING THE BETA DIVERSITY OF CORAL REEFS. <i>Ecology</i> , 2006, 87, 2871-2881.	3.2	100
86	High vulnerability of ecosystem function and services to diversity loss in Caribbean coral reefs. <i>Biological Conservation</i> , 2014, 171, 186-194.	4.1	100
87	Coastal retreat and improved water quality mitigate losses of seagrass from sea level rise. <i>Global Change Biology</i> , 2013, 19, 2569-2583.	9.5	99
88	Coral reef habitat mapping: A combination of object-based image analysis and ecological modelling. <i>Remote Sensing of Environment</i> , 2018, 208, 27-41.	11.0	99
89	Measurement of seagrass standing crop using satellite and digital airborne remote sensing. <i>Marine Ecology - Progress Series</i> , 1997, 159, 51-60.	1.9	99
90	Evidence for and against the existence of alternate attractors on coral reefs. <i>Oikos</i> , 2013, 122, 481-491.	2.7	98

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91	Decline of coastal apex shark populations over the past half century. <i>Communications Biology</i> , 2018, 1, 223.	4.4	98
92	Revisiting coral reef connectivity. <i>Coral Reefs</i> , 2002, 21, 43-48.	2.2	97
93	Environmental and Sensor Limitations in Optical Remote Sensing of Coral Reefs: Implications for Monitoring and Sensor Design. <i>Remote Sensing</i> , 2012, 4, 271-302.	4.0	96
94	Operationalizing the Resilience of Coral Reefs in an Era of Climate Change. <i>Conservation Letters</i> , 2014, 7, 176-187.	5.7	96
95	Vulnerability of the Great Barrier Reef to climate change and local pressures. <i>Global Change Biology</i> , 2018, 24, 1978-1991.	9.5	92
96	On the prevalence and dynamics of inverted trophic pyramids and otherwise top-heavy communities. <i>Ecology Letters</i> , 2018, 21, 439-454.	6.4	92
97	Motivations, success, and cost of coral reef restoration. <i>Restoration Ecology</i> , 2019, 27, 981-991.	2.9	92
98	Spectral discrimination of coral mortality states following a severe bleaching event. <i>International Journal of Remote Sensing</i> , 2000, 21, 2321-2327.	2.9	91
99	Unprecedented bleaching-induced mortality in <i>Porites</i> spp. at Rangiroa Atoll, French Polynesia. <i>Marine Biology</i> , 2001, 139, 183-189.	1.5	90
100	Seasonal and spatial heterogeneity of recent sea surface temperature trends in the Caribbean Sea and southeast Gulf of Mexico. <i>Marine Pollution Bulletin</i> , 2012, 64, 956-965.	5.0	90
101	Patch dynamics of coral reef macroalgae under chronic and acute disturbance. <i>Coral Reefs</i> , 2005, 24, 681-692.	2.2	88
102	The effectiveness of different meso-scale rugosity metrics for predicting intra-habitat variation in coral-reef fish assemblages. <i>Environmental Biology of Fishes</i> , 2012, 94, 431-442.	1.0	88
103	Physical environments of the Caribbean Sea. <i>Limnology and Oceanography</i> , 2012, 57, 1233-1244.	3.1	87
104	Sexual vs. asexual reproduction in an ecosystem engineer: the massive coral <i>Montastraea annularis</i> . <i>Journal of Animal Ecology</i> , 2007, 76, 384-391.	2.8	86
105	The dynamics of architectural complexity on coral reefs under climate change. <i>Global Change Biology</i> , 2015, 21, 223-235.	9.5	85
106	Incorporating larval dispersal into MPA design for both conservation and fisheries. <i>Ecological Applications</i> , 2017, 27, 925-941.	3.8	83
107	Crucial knowledge gaps in current understanding of climate change impacts on coral reef fishes. <i>Journal of Experimental Biology</i> , 2010, 213, 894-900.	1.7	82
108	Designing a blueprint for coral reef survival. <i>Biological Conservation</i> , 2021, 257, 109107.	4.1	82

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109	Spectral unmixing of coral reef benthos under ideal conditions. <i>Coral Reefs</i> , 2004, 23, 60-73.	2.2	81
110	Connectivity networks reveal the risks of crown-of-thorns starfish outbreaks on the Great Barrier Reef. <i>Journal of Applied Ecology</i> , 2014, 51, 1188-1196.	4.0	81
111	The cover of living and dead corals from airborne remote sensing. <i>Coral Reefs</i> , 2004, 23, 171.	2.2	80
112	Quantifying Multiscale Habitat Structural Complexity: A Cost-Effective Framework for Underwater 3D Modelling. <i>Remote Sensing</i> , 2016, 8, 113.	4.0	80
113	Experiment mimics fishing on parrotfish: insights on coral reef recovery and alternative attractors. <i>Marine Ecology - Progress Series</i> , 2014, 506, 115-127.	1.9	80
114	Biological and remote sensing perspectives of pigmentation in coral reef organisms. <i>Advances in Marine Biology</i> , 2002, 43, 277-317.	1.4	78
115	Consistency and inconsistency in multispecies population network dynamics of coral reef ecosystems. <i>Marine Ecology - Progress Series</i> , 2014, 499, 1-18.	1.9	78
116	Competitive effects of macroalgae on the fecundity of the reef-building coral <i>Montastraea annularis</i> . <i>Marine Ecology - Progress Series</i> , 2008, 367, 143-152.	1.9	77
117	Predicting the distribution of <i>Montastraea</i> reefs using wave exposure. <i>Coral Reefs</i> , 2012, 31, 493-503.	2.2	76
118	Changing dynamics of Caribbean reef carbonate budgets: emergence of reef bioeroders as critical controls on present and future reef growth potential. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20142018.	2.6	76
119	Consistent nutrient storage and supply mediated by diverse fish communities in coral reef ecosystems. <i>Global Change Biology</i> , 2014, 20, 2459-2472.	9.5	76
120	Interactions among chronic and acute impacts on coral recruits: the importance of size-escape thresholds. <i>Ecology</i> , 2012, 93, 2131-2138.	3.2	75
121	Interdependency of tropical marine ecosystems in response to climate change. <i>Nature Climate Change</i> , 2014, 4, 724-729.	18.8	75
122	Reef flattening effects on total richness and species responses in the Caribbean. <i>Journal of Animal Ecology</i> , 2015, 84, 1678-1689.	2.8	74
123	High resilience masks underlying sensitivity to algal phase shifts of Pacific coral reefs. <i>Oikos</i> , 2016, 125, 644-655.	2.7	74
124	Effects of Marine Reserves versus Nursery Habitat Availability on Structure of Reef Fish Communities. <i>PLoS ONE</i> , 2012, 7, e36906.	2.5	73
125	Synergistic impacts of global warming on the resilience of coral reefs. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20130267.	4.0	73
126	Temporal clustering of tropical cyclones and its ecosystem impacts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 17626-17630.	7.1	72



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127	Incorporating ontogenetic dispersal, ecological processes and conservation zoning into reserve design. <i>Biological Conservation</i> , 2010, 143, 457-470.	4.1	71
128	Interventions to help coral reefs under global change—A complex decision challenge. <i>PLoS ONE</i> , 2020, 15, e0236399.	2.5	70
129	The role of sponge competition on coral reef alternative steady states. <i>Ecological Modelling</i> , 2011, 222, 1847-1853.	2.5	69
130	A novel framework for analyzing conservation impacts: evaluation, theory, and marine protected areas. <i>Annals of the New York Academy of Sciences</i> , 2017, 1399, 93-115.	3.8	69
131	Upwelling areas do not guarantee refuge for coral reefs in a warming ocean. <i>Marine Ecology - Progress Series</i> , 2010, 416, 47-56.	1.9	69
132	Attenuating effects of ecosystem management on coral reefs. <i>Science Advances</i> , 2018, 4, eaao5493.	10.3	68
133	A remote sensing method for resolving depth and subpixel composition of aquatic benthos. <i>Limnology and Oceanography</i> , 2003, 48, 480-488.	3.1	66
134	Cover Mapping and measurement of tropical coastal environments with hyperspectral and high spatial resolution data. <i>International Journal of Remote Sensing</i> , 1997, 18, 237-242.	2.9	65
135	Interaction of herbivory and seasonality on the dynamics of Caribbean macroalgae. <i>Coral Reefs</i> , 2012, 31, 683-692.	2.2	64
136	Can a thermally tolerant symbiont improve the future of Caribbean coral reefs?. <i>Global Change Biology</i> , 2013, 19, 273-281.	9.5	64
137	The effect of fishing on hysteresis in Caribbean coral reefs. <i>Theoretical Ecology</i> , 2012, 5, 105-114.	1.0	63
138	Mapping ecosystem functions to the valuation of ecosystem services: implications of species-habitat associations for coastal land-use decisions. <i>Theoretical Ecology</i> , 2009, 2, 67-77.	1.0	61
139	Optimizing for multiple species and multiple values: tradeoffs inherent in ecosystem-based fisheries management. <i>Conservation Letters</i> , 2011, 4, 21-30.	5.7	59
140	Empirical relationships among resilience indicators on Micronesian reefs. <i>Coral Reefs</i> , 2013, 32, 213-226.	2.2	59
141	Interpreting coral reef monitoring data: A guide for improved management decisions. <i>Ecological Indicators</i> , 2017, 72, 848-869.	6.3	59
142	Management for network diversity speeds evolutionary adaptation to climate change. <i>Nature Climate Change</i> , 2019, 9, 632-636.	18.8	59
143	Hurricane-Driven Patterns of Clonality in an Ecosystem Engineer: The Caribbean Coral <i>Montastraea annularis</i> . <i>PLoS ONE</i> , 2013, 8, e53283.	2.5	59
144	Conservation management approaches to protecting the capacity for corals to respond to climate change: a theoretical comparison. <i>Global Change Biology</i> , 2010, 16, 1229-1246.	9.5	58

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145	A framework for identifying and characterising coral reef ‘oases’ against a backdrop of degradation. <i>Journal of Applied Ecology</i> , 2018, 55, 2865-2875.	4.0	58
146	TROPICAL COASTAL HABITATS AS SURROGATES OF FISH COMMUNITY STRUCTURE, GRAZING, AND FISHERIES VALUE. <i>Ecological Applications</i> , 2008, 18, 1689-1701.	3.8	57
147	Modelling the dynamics of coral reef macroalgae using a Bayesian belief network approach. <i>Ecological Modelling</i> , 2009, 220, 1305-1314.	2.5	57
148	Consequences of Ecological, Evolutionary and Biogeochemical Uncertainty for Coral Reef Responses to Climatic Stress. <i>Current Biology</i> , 2014, 24, R413-R423.	3.9	57
149	Managing Recovery Resilience in Coral Reefs Against Climate-Induced Bleaching and Hurricanes: A 15 Year Case Study From Bonaire, Dutch Caribbean. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	57
150	A bird's-eye view of the health of coral reefs. <i>Nature</i> , 2001, 413, 36-36.	27.8	56
151	How much time can herbivore protection buy for coral reefs under realistic regimes of hurricanes and coral bleaching?. <i>Global Change Biology</i> , 2011, 17, 2033-2048.	9.5	54
152	Size matters in competition between corals and macroalgae. <i>Marine Ecology - Progress Series</i> , 2012, 467, 77-88.	1.9	54
153	Reciprocal facilitation and non-linearity maintain habitat engineering on coral reefs. <i>Oikos</i> , 2013, 122, 428-440.	2.7	54
154	Remote Sensing of Coral Bleaching Using Temperature and Light: Progress towards an Operational Algorithm. <i>Remote Sensing</i> , 2018, 10, 18.	4.0	54
155	The shape of success in a turbulent world: wave exposure filtering of coral reef herbivory. <i>Functional Ecology</i> , 2017, 31, 1312-1324.	3.6	54
156	Coral bleaching under unconventional scenarios of climate warming and ocean acidification. <i>Nature Climate Change</i> , 2015, 5, 777-781.	18.8	53
157	The role of surgeonfish (Acanthuridae) in maintaining algal turf biomass on coral reefs. <i>Journal of Experimental Marine Biology and Ecology</i> , 2015, 473, 152-160.	1.5	53
158	Climate change induces demographic resistance to disease in novel coral assemblages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 1967-1969.	7.1	52
159	Global disparity in the ecological benefits of reducing carbon emissions for coral reefs. <i>Nature Climate Change</i> , 2014, 4, 1090-1094.	18.8	51
160	Coral ‘algal phase shifts alter fish communities and reduce fisheries production. <i>Global Change Biology</i> , 2015, 21, 165-172.	9.5	51
161	Beta and habitat diversity in marine systems: a new approach to measurement, scaling and interpretation. <i>Oecologia</i> , 2001, 128, 274-280.	2.0	50
162	Reserve effects and natural variation in coral reef communities. <i>Journal of Applied Ecology</i> , 2008, 45, 1010-1018.	4.0	50

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163	Revisiting the functional roles of the surgeonfish <i>Acanthurus nigrofuscus</i> and <i>Ctenochaetus striatus</i> . <i>Coral Reefs</i> , 2012, 31, 1093-1101.	2.2	50
164	Reefs of last resort: Locating and assessing thermal refugia in the wider Caribbean. <i>Biological Conservation</i> , 2013, 167, 179-186.	4.1	49
165	Reduced density of the herbivorous urchin <i>Diadema</i> inside a Caribbean marine reserve linked to increased predation pressure by fishes. <i>Coral Reefs</i> , 2009, 28, 783-791.	2.2	48
166	Scientific frontiers in the management of coral reefs. <i>Frontiers in Marine Science</i> , 2015, 2, .	2.5	48
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