

# Terry P Hughes

## List of Publications by Year in descending order

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Version: 2024-02-01

117  
papers

57,668  
citations

8208

78  
h-index

23841

115  
g-index

121  
all docs

121  
docs citations

121  
times ranked

39149  
citing authors

#	ARTICLE	IF	CITATIONS
1	The population sizes and global extinction risk of reef-building coral species at biogeographic scales. <i>Nature Ecology and Evolution</i> , 2021, 5, 663-669.	3.4	36
2	Designing a blueprint for coral reef survival. <i>Biological Conservation</i> , 2021, 257, 109107.	1.9	82
3	The spatial footprint and patchiness of large-scale disturbances on coral reefs. <i>Global Change Biology</i> , 2021, 27, 4825-4838.	4.2	26
4	Emergent properties in the responses of tropical corals to recurrent climate extremes. <i>Current Biology</i> , 2021, 31, 5393-5399.e3.	1.8	65
5	Long-term shifts in the colony size structure of coral populations along the Great Barrier Reef. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20201432.	1.2	58
6	Corridors of Clarity: Four Principles to Overcome Uncertainty Paralysis in the Anthropocene. <i>BioScience</i> , 2020, 70, 1139-1144.	2.2	14
7	Rebuilding marine life. <i>Nature</i> , 2020, 580, 39-51.	13.7	560
8	Advancing Coral Reef Governance into the Anthropocene. <i>One Earth</i> , 2020, 2, 64-74.	3.6	83
9	Climate change, ecosystems and abrupt change: science priorities. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190105.	1.8	169
10	Deficits in functional trait diversity following recovery on coral reefs. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20192628.	1.2	67
11	Refugia under threat: Mass bleaching of coral assemblages in high-latitude eastern Australia. <i>Global Change Biology</i> , 2019, 25, 3918-3931.	4.2	56
12	Save reefs to rescue all ecosystems. <i>Nature</i> , 2019, 573, 333-336.	13.7	59
13	Coral reef conservation in the Anthropocene: Confronting spatial mismatches and prioritizing functions. <i>Biological Conservation</i> , 2019, 236, 604-615.	1.9	175
14	Securing a Just Space for Small-Scale Fisheries in the Blue Economy. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	219
15	Global warming impairs stock-recruitment dynamics of corals. <i>Nature</i> , 2019, 568, 387-390.	13.7	378
16	Back-to-back coral bleaching events on isolated atolls in the Coral Sea. <i>Coral Reefs</i> , 2019, 38, 713-719.	0.9	44
17	Ecological memory modifies the cumulative impact of recurrent climate extremes. <i>Nature Climate Change</i> , 2019, 9, 40-43.	8.1	253
18	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

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19	Global warming transforms coral reef assemblages. <i>Nature</i> , 2018, 556, 492-496.	13.7	1,173
20	Building adaptive capacity to climate change in tropical coastal communities. <i>Nature Climate Change</i> , 2018, 8, 117-123.	8.1	416
21	Spatial and temporal patterns of mass bleaching of corals in the Anthropocene. <i>Science</i> , 2018, 359, 80-83.	6.0	1,515
22	Large-scale bleaching of corals on the Great Barrier Reef. <i>Ecology</i> , 2018, 99, 501-501.	1.5	122
23	Social-Ecological Resilience to Coastal Disasters. , 2018, , 151-159.		3
24	A unified model explains commonness and rarity on coral reefs. <i>Ecology Letters</i> , 2017, 20, 477-486.	3.0	23
25	Coral reefs in the Anthropocene. <i>Nature</i> , 2017, 546, 82-90.	13.7	1,329
26	Global warming and recurrent mass bleaching of corals. <i>Nature</i> , 2017, 543, 373-377.	13.7	2,363
27	Mitigation and adaptation in polycentric systems: sources of power in the pursuit of collective goals. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2017, 8, e479.	3.6	107
28	A critique of claims for negative impacts of Marine Protected Areas on fisheries. <i>Ecological Applications</i> , 2016, 26, 637-641.	1.8	20
29	Multiple feedbacks and the prevalence of alternate stable states on coral reefs. <i>Coral Reefs</i> , 2016, 35, 857-865.	0.9	74
30	China's Degraded Environment Enters A New Normal. <i>Trends in Ecology and Evolution</i> , 2016, 31, 175-177.	4.2	33
31	Advancing sustainability through mainstreaming a social-ecological systems perspective. <i>Current Opinion in Environmental Sustainability</i> , 2015, 14, 144-149.	3.1	274
32	Securing the future of the Great Barrier Reef. <i>Nature Climate Change</i> , 2015, 5, 508-511.	8.1	78
33	Double Jeopardy and Global Extinction Risk in Corals and Reef Fishes. <i>Current Biology</i> , 2014, 24, 2946-2951.	1.8	47
34	Climate engineering reconsidered. <i>Nature Climate Change</i> , 2014, 4, 527-529.	8.1	63
35	Four. Marine Protected Areas, Marine Spatial Planning, and the Resilience of Marine Ecosystems. , 2014, , 98-141.		1
36	Geographic ranges of reef corals (Cnidaria: Anthozoa: Scleractinia) in the Indo-Pacific. <i>Ecology</i> , 2013, 94, 1659-1659.	1.5	15

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37	Multiscale regime shifts and planetary boundaries. <i>Trends in Ecology and Evolution</i> , 2013, 28, 389-395.	4.2	243
38	Managing resilience to reverse phase shifts in coral reefs. <i>Frontiers in Ecology and the Environment</i> , 2013, 11, 541-548.	1.9	199
39	Faunal breaks and species composition of Indo-Pacific corals: the role of plate tectonics, environment and habitat distribution. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20130818.	1.2	87
40	Social-ecological systems as complex adaptive systems: modeling and policy implications. <i>Environment and Development Economics</i> , 2013, 18, 111-132.	1.3	530
41	Call to protect all coral reefs. <i>Nature Climate Change</i> , 2013, 3, 528-530.	8.1	141
42	Living dangerously on borrowed time during slow, unrecognized regime shifts. <i>Trends in Ecology and Evolution</i> , 2013, 28, 149-155.	4.2	301
43	The Wicked Problem of China's Disappearing Coral Reefs. <i>Conservation Biology</i> , 2013, 27, 261-269.	2.4	126
44	Human activity selectively impacts the ecosystem roles of parrotfishes on coral reefs. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 1621-1629.	1.2	212
45	Program on ecosystem change and society: an international research strategy for integrated social-ecological systems. <i>Current Opinion in Environmental Sustainability</i> , 2012, 4, 134-138.	3.1	89
46	General Resilience to Cope with Extreme Events. <i>Sustainability</i> , 2012, 4, 3248-3259.	1.6	268
47	Assembly Rules of Reef Corals Are Flexible along a Steep Climatic Gradient. <i>Current Biology</i> , 2012, 22, 736-741.	1.8	81
48	Calcification, Storm Damage and Population Resilience of Tabular Corals under Climate Change. <i>PLoS ONE</i> , 2012, 7, e46637.	1.1	82
49	Correlated evolution of sex and reproductive mode in corals (Anthozoa: Scleractinia). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 75-81.	1.2	79
50	Spatial variance in abundance and occupancy of corals across broad geographic scales. <i>Ecology</i> , 2011, 92, 1282-1291.	1.5	8
51	Creation of a Gilded Trap by the High Economic Value of the Maine Lobster Fishery. <i>Conservation Biology</i> , 2011, 25, 904-912.	2.4	193
52	Shifting base-lines, declining coral cover, and the erosion of reef resilience: comment on Sweatman et al. (2011). <i>Coral Reefs</i> , 2011, 30, 653-660.	0.9	86
53	Adaptive management of the Great Barrier Reef: A globally significant demonstration of the benefits of networks of marine reserves. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 18278-18285.	3.3	408
54	Rising to the challenge of sustaining coral reef resilience. <i>Trends in Ecology and Evolution</i> , 2010, 25, 633-642.	4.2	872

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55	Navigating transformations in governance of Chilean marine coastal resources. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 16794-16799.	3.3	471
56	IV.8 Seascape Patterns and Dynamics of Coral Reefs. , 2009, , 482-487.		2
57	Planetary Boundaries: Exploring the Safe Operating Space for Humanity. Ecology and Society, 2009, 14, .	1.0	3,867
58	Looming Global-Scale Failures and Missing Institutions. Science, 2009, 325, 1345-1346.	6.0	317
59	Linking Social and Ecological Systems to Sustain Coral Reef Fisheries. Current Biology, 2009, 19, 206-212.	1.8	257
60	Connectivity, regime shifts and the resilience of coral reefs. Coral Reefs, 2009, 28, 949-957.	0.9	79
61	A safe operating space for humanity. Nature, 2009, 461, 472-475.	13.7	8,638
62	Testing species abundance models: a new bootstrap approach applied to Indo-Pacific coral reefs. Ecology, 2009, 90, 3138-3149.	1.5	38
63	Community-level density dependence: an example from a shallow coral assemblage. Ecology, 2009, 90, 506-516.	1.5	21
64	Local-regional species richness relationships are linear at very small to large scales in west-central Pacific corals. Coral Reefs, 2008, 27, 145-151.	0.9	39
65	Pulse-Driven Loss of Top-Down Control: The Critical-Rate Hypothesis. Ecosystems, 2008, 11, 226-237.	1.6	103
66	Navigating the transition to ecosystem-based management of the Great Barrier Reef, Australia. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9489-9494.	3.3	275
67	AGGREGATION INFLUENCES CORAL SPECIES RICHNESS AT MULTIPLE SPATIAL SCALES. Ecology, 2007, 88, 170-177.	1.5	35
68	No-take areas, herbivory and coral reef resilience. Trends in Ecology and Evolution, 2007, 22, 1-3.	4.2	141
69	Adaptive Management of the Great Barrier Reef and the Grand Canyon World Heritage Areas. Ambio, 2007, 36, 586-592.	2.8	77
70	SCALE-DEPENDENT VARIATION IN CORAL COMMUNITY SIMILARITY ACROSS SITES, ISLANDS, AND ISLAND GROUPS. Ecology, 2007, 88, 1707-1715.	1.5	33
71	Phase Shifts, Herbivory, and the Resilience of Coral Reefs to Climate Change. Current Biology, 2007, 17, 360-365.	1.8	1,239
72	ECOLOGY: Globalization, Roving Bandits, and Marine Resources. Science, 2006, 311, 1557-1558.	6.0	592

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73	Governance and the Capacity to Manage Resilience in Regional Social-Ecological Systems. <i>Ecology and Society</i> , 2006, 11, .	1.0	817
74	Coral reef diversity refutes the neutral theory of biodiversity. <i>Nature</i> , 2006, 440, 80-82.	13.7	234
75	Sleeping Functional Group Drives Coral-Reef Recovery. <i>Current Biology</i> , 2006, 16, 2434-2439.	1.8	388
76	Impacts of simulated overfishing on the territoriality of coral reef damselfish. <i>Marine Ecology - Progress Series</i> , 2006, 309, 255-262.	0.9	33
77	Environmental and geometric constraints on Indo-Pacific coral reef biodiversity. <i>Ecology Letters</i> , 2005, 8, 643-651.	3.0	165
78	Community Structure of Corals and Reef Fishes at Multiple Scales. <i>Science</i> , 2005, 309, 1363-1365.	6.0	140
79	ECOLOGY: Enhanced: Are U.S. Coral Reefs on the Slippery Slope to Slime?. <i>Science</i> , 2005, 307, 1725-1726.	6.0	393
80	Social-Ecological Resilience to Coastal Disasters. <i>Science</i> , 2005, 309, 1036-1039.	6.0	2,002
81	New paradigms for supporting the resilience of marine ecosystems. <i>Trends in Ecology and Evolution</i> , 2005, 20, 380-386.	4.2	781
82	Climate change, genotypic diversity and gene flow in reef-building corals. <i>Ecology Letters</i> , 2004, 7, 273-278.	3.0	214
83	Coral communities are regionally enriched along an oceanic biodiversity gradient. <i>Nature</i> , 2004, 429, 867-870.	13.7	144
84	Confronting the coral reef crisis. <i>Nature</i> , 2004, 429, 827-833.	13.7	2,695
85	A LONG-TERM STUDY OF COMPETITION AND DIVERSITY OF CORALS. <i>Ecological Monographs</i> , 2004, 74, 179-210.	2.4	186
86	INDO-PACIFIC BIODIVERSITY OF CORAL REEFS: DEVIATIONS FROM A MID-DOMAIN MODEL. <i>Ecology</i> , 2003, 84, 2178-2190.	1.5	175
87	Global Trajectories of the Long-Term Decline of Coral Reef Ecosystems. <i>Science</i> , 2003, 301, 955-958.	6.0	1,634
88	Climate Change, Human Impacts, and the Resilience of Coral Reefs. <i>Science</i> , 2003, 301, 929-933.	6.0	3,124
89	Coral Reef Biodiversity and Conservation. <i>Science</i> , 2002, 296, 1026-1028.	6.0	14
90	Biodiversity hotspots, centres of endemism, and the conservation of coral reefs. <i>Ecology Letters</i> , 2002, 5, 775-784.	3.0	311

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91	DETECTING REGIONAL VARIATION USING META-ANALYSIS AND LARGE-SCALE SAMPLING: LATITUDINAL PATTERNS IN RECRUITMENT. , 2002, 83, 436.		2
92	Historical Overfishing and the Recent Collapse of Coastal Ecosystems. <i>Science</i> , 2001, 293, 629-637.	6.0	5,242
93	Regional-Scale Assembly Rules and Biodiversity of Coral Reefs. <i>Science</i> , 2001, 292, 1532-1535.	6.0	482
94	Competitive dominance by tabular corals: an experimental analysis of recruitment and survival of understorey assemblages. <i>Journal of Experimental Marine Biology and Ecology</i> , 2000, 251, 117-132.	0.7	104
95	RECRUITMENT FAILURE, LIFE HISTORIES, AND LONG-TERM DECLINE OF CARIBBEAN CORALS. <i>Ecology</i> , 2000, 81, 2250-2263.	1.5	446
96	Algal blooms on coral reefs: What are the causes?. <i>Limnology and Oceanography</i> , 1999, 44, 1583-1586.	1.6	153
97	Multiple stressors on coral reefs: A long-term perspective. <i>Limnology and Oceanography</i> , 1999, 44, 932-940.	1.6	516
98	Off-reef transport of coral fragments at Lizard Island, Australia. <i>Marine Geology</i> , 1999, 157, 1-6.	0.9	66
99	Patterns of recruitment and abundance of corals along the Great Barrier Reef. <i>Nature</i> , 1999, 397, 59-63.	13.7	321
100	An experimental assessment of survival, re-attachment and fecundity of coral fragments. <i>Journal of Experimental Marine Biology and Ecology</i> , 1999, 235, 147-164.	0.7	165
101	Genetic differentiation, reproductive mode, and gene flow in the brooding coral <i>Pocillopora damicornis</i> along the Great Barrier Reef, Australia. <i>Marine Ecology - Progress Series</i> , 1997, 159, 175-187.	0.9	113
102	RECRUITMENT AND THE LOCAL DYNAMICS OF OPEN MARINE POPULATIONS. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 1996, 27, 477-500.	6.7	1,048
103	Reproductive Strategies of Modular Organisms: Comparative Studies of Reef- Building Corals. <i>Ecology</i> , 1996, 77, 950-963.	1.5	283
104	Density-Dependent Dynamics of Soft Coral Aggregations: The Significance of Clonal Growth and Form. <i>Ecology</i> , 1996, 77, 1592-1599.	1.5	40
105	Demographic Approaches to Community Dynamics: A Coral Reef Example. <i>Ecology</i> , 1996, 77, 2256-2260.	1.5	63
106	The Role of History in Community Dynamics: A Modelling Approach. <i>Ecology</i> , 1996, 77, 108-117.	1.5	74
107	Species Coexistence, Keystone Species, and Succession: A Sensitivity Analysis. <i>Ecology</i> , 1994, 75, 2204.	1.5	154
108	Catastrophes, Phase Shifts, and Large-Scale Degradation of a Caribbean Coral Reef. <i>Science</i> , 1994, 265, 1547-1551.	6.0	2,413

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109	The evolutionary ecology of corals. <i>Trends in Ecology and Evolution</i> , 1992, 7, 292-295.	4.2	171
110	Recruitment Limitation, Mortality, and Population Regulation in Open Systems: A Case Study. <i>Ecology</i> , 1990, 71, 12-20.	1.5	161
111	Community Structure and Diversity of Coral Reefs: The Role of History. <i>Ecology</i> , 1989, 70, 275-279.	1.5	215
112	Population Dynamics Based on Size or Age? A Reef-Coral Analysis. <i>American Naturalist</i> , 1987, 129, 818-829.	1.0	171
113	Herbivory on coral reefs: community structure following mass mortalities of sea urchins. <i>Journal of Experimental Marine Biology and Ecology</i> , 1987, 113, 39-59.	0.7	257
114	Skeletal density and growth form of corals. <i>Marine Ecology - Progress Series</i> , 1987, 35, 259-266.	0.9	110
115	Population Dynamics and Life Histories of Foliose Corals. <i>Ecological Monographs</i> , 1985, 55, 141-166.	2.4	449
116	Population Dynamics Based on Individual Size Rather than Age: A General Model with a Reef Coral Example. <i>American Naturalist</i> , 1984, 123, 778-795.	1.0	357
117	Do Corals Lie About Their Age? Some Demographic Consequences of Partial Mortality, Fission, and Fusion. <i>Science</i> , 1980, 209, 713-715.	6.0	296