Terry P Hughes

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4912662/publications.pdf Version: 2024-02-01

		7096	20358
117	57,668	78	116
papers	citations	h-index	g-index
101	101	101	0.4007
121	121	121	34887
all docs	docs citations	times ranked	citing authors

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#	Article	IF	CITATIONS
1	The population sizes and global extinction risk of reef-building coral species at biogeographic scales. Nature Ecology and Evolution, 2021, 5, 663-669.	7.8	36
2	Designing a blueprint for coral reef survival. Biological Conservation, 2021, 257, 109107.	4.1	82
3	The spatial footprint and patchiness of largeâ€scale disturbances on coral reefs. Global Change Biology, 2021, 27, 4825-4838.	9.5	26
4	Emergent properties in the responses of tropical corals to recurrent climate extremes. Current Biology, 2021, 31, 5393-5399.e3.	3.9	65
5	Long-term shifts in the colony size structure of coral populations along the Great Barrier Reef. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20201432.	2.6	58
6	Corridors of Clarity: Four Principles to Overcome Uncertainty Paralysis in the Anthropocene. BioScience, 2020, 70, 1139-1144.	4.9	14
7	Rebuilding marine life. Nature, 2020, 580, 39-51.	27.8	560
8	Advancing Coral Reef Governance into the Anthropocene. One Earth, 2020, 2, 64-74.	6.8	83
9	Climate change, ecosystems and abrupt change: science priorities. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190105.	4.0	169
10	Deficits in functional trait diversity following recovery on coral reefs. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20192628.	2.6	67
11	Refugia under threat: Mass bleaching of coral assemblages in highâ€latitude eastern Australia. Global Change Biology, 2019, 25, 3918-3931.	9.5	56
12	Save reefs to rescue all ecosystems. Nature, 2019, 573, 333-336.	27.8	59
13	Coral reef conservation in the Anthropocene: Confronting spatial mismatches and prioritizing functions. Biological Conservation, 2019, 236, 604-615.	4.1	175
14	Securing a Just Space for Small-Scale Fisheries in the Blue Economy. Frontiers in Marine Science, 2019, 6, .	2.5	219
15	Global warming impairs stock–recruitment dynamics of corals. Nature, 2019, 568, 387-390.	27.8	378
16	Back-to-back coral bleaching events on isolated atolls in the Coral Sea. Coral Reefs, 2019, 38, 713-719.	2.2	44
17	Ecological memory modifies the cumulative impact of recurrent climate extremes. Nature Climate Change, 2019, 9, 40-43.	18.8	253
18	Biogeographical disparity in the functional diversity and redundancy of corals. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3084-3089.	7.1	98

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19	Global warming transforms coral reef assemblages. Nature, 2018, 556, 492-496.	27.8	1,173
20	Building adaptive capacity to climate change in tropical coastal communities. Nature Climate Change, 2018, 8, 117-123.	18.8	416
21	Spatial and temporal patterns of mass bleaching of corals in the Anthropocene. Science, 2018, 359, 80-83.	12.6	1,515
22	Largeâ€scale bleaching of corals on the Great Barrier Reef. Ecology, 2018, 99, 501-501.	3.2	122
23	Social-Ecological Resilience to Coastal Disasters. , 2018, , 151-159.		3
24	A unified model explains commonness and rarity on coral reefs. Ecology Letters, 2017, 20, 477-486.	6.4	23
25	Coral reefs in the Anthropocene. Nature, 2017, 546, 82-90.	27.8	1,329
26	Global warming and recurrent mass bleaching of corals. Nature, 2017, 543, 373-377.	27.8	2,363
27	Mitigation and adaptation in polycentric systems: sources of power in the pursuit of collective goals. Wiley Interdisciplinary Reviews: Climate Change, 2017, 8, e479.	8.1	107
28	A critique of claims for negative impacts of Marine Protected Areas on fisheries. Ecological Applications, 2016, 26, 637-641.	3.8	20
29	Multiple feedbacks and the prevalence of alternate stable states on coral reefs. Coral Reefs, 2016, 35, 857-865.	2.2	74
30	China's Degraded Environment Enters A New Normal. Trends in Ecology and Evolution, 2016, 31, 175-177.	8.7	33
31	Advancing sustainability through mainstreaming a social–ecological systems perspective. Current Opinion in Environmental Sustainability, 2015, 14, 144-149.	6.3	274
32	Securing the future of the Great Barrier Reef. Nature Climate Change, 2015, 5, 508-511.	18.8	78
33	Double Jeopardy and Global Extinction Risk in Corals and Reef Fishes. Current Biology, 2014, 24, 2946-2951.	3.9	47
34	Climate engineering reconsidered. Nature Climate Change, 2014, 4, 527-529.	18.8	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 Indoâ€₽acific. Ecology, 2013, 94, 1659-1659.	3.2	15

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37	Multiscale regime shifts and planetary boundaries. Trends in Ecology and Evolution, 2013, 28, 389-395.	8.7	243
38	Managing resilience to reverse phase shifts in coral reefs. Frontiers in Ecology and the Environment, 2013, 11, 541-548.	4.0	199
39	Faunal breaks and species composition of Indo-Pacific corals: the role of plate tectonics, environment and habitat distribution. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20130818.	2.6	87
40	Social-ecological systems as complex adaptive systems: modeling and policy implications. Environment and Development Economics, 2013, 18, 111-132.	1.5	530
41	Call to protect all coral reefs. Nature Climate Change, 2013, 3, 528-530.	18.8	141
42	Living dangerously on borrowed time during slow, unrecognized regime shifts. Trends in Ecology and Evolution, 2013, 28, 149-155.	8.7	301
43	The Wicked Problem of China's Disappearing Coral Reefs. Conservation Biology, 2013, 27, 261-269.	4.7	126
44	Human activity selectively impacts the ecosystem roles of parrotfishes on coral reefs. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 1621-1629.	2.6	212
45	Program on ecosystem change and society: an international research strategy for integrated social–ecological systems. Current Opinion in Environmental Sustainability, 2012, 4, 134-138.	6.3	89
46	General Resilience to Cope with Extreme Events. Sustainability, 2012, 4, 3248-3259.	3.2	268
47	Assembly Rules of Reef Corals Are Flexible along a Steep Climatic Gradient. Current Biology, 2012, 22, 736-741.	3.9	81
48	Calcification, Storm Damage and Population Resilience of Tabular Corals under Climate Change. PLoS ONE, 2012, 7, e46637.	2.5	82
49	Correlated evolution of sex and reproductive mode in corals (Anthozoa: Scleractinia). Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 75-81.	2.6	79
50	Spatial variance in abundance and occupancy of corals across broad geographic scales. Ecology, 2011, 92, 1282-1291.	3.2	8
51	Creation of a Gilded Trap by the High Economic Value of the Maine Lobster Fishery. Conservation Biology, 2011, 25, 904-912.	4.7	193
52	Shifting base-lines, declining coral cover, and the erosion of reef resilience: comment on Sweatman et al. (2011). Coral Reefs, 2011, 30, 653-660.	2.2	86
53	Adaptive management of the Great Barrier Reef: A globally significant demonstration of the benefits of networks of marine reserves. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 18278-18285.	7.1	408
54	Rising to the challenge of sustaining coral reef resilience. Trends in Ecology and Evolution, 2010, 25, 633-642.	8.7	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.	7.1	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, .	2.3	3,867
58	Looming Global-Scale Failures and Missing Institutions. Science, 2009, 325, 1345-1346.	12.6	317
59	Linking Social and Ecological Systems to Sustain Coral Reef Fisheries. Current Biology, 2009, 19, 206-212.	3.9	257
60	Connectivity, regime shifts and the resilience of coral reefs. Coral Reefs, 2009, 28, 949-957.	2.2	79
61	A safe operating space for humanity. Nature, 2009, 461, 472-475.	27.8	8,638
62	Testing species abundance models: a new bootstrap approach applied to Indoâ€Pacific coral reefs. Ecology, 2009, 90, 3138-3149.	3.2	38
63	Communityâ€level density dependence: an example from a shallow coral assemblage. Ecology, 2009, 90, 506-516.	3.2	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.	2.2	39
65	Pulse-Driven Loss of Top-Down Control: The Critical-Rate Hypothesis. Ecosystems, 2008, 11, 226-237.	3.4	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.	7.1	275
67	AGGREGATION INFLUENCES CORAL SPECIES RICHNESS AT MULTIPLE SPATIAL SCALES. Ecology, 2007, 88, 170-177.	3.2	35
68	No-take areas, herbivory and coral reef resilience. Trends in Ecology and Evolution, 2007, 22, 1-3.	8.7	141
69	Adaptive Management of the Great Barrier Reef and the Grand Canyon World Heritage Areas. Ambio, 2007, 36, 586-592.	5.5	77
70	SCALE-DEPENDENT VARIATION IN CORAL COMMUNITY SIMILARITY ACROSS SITES, ISLANDS, AND ISLAND GROUPS. Ecology, 2007, 88, 1707-1715.	3.2	33
71	Phase Shifts, Herbivory, and the Resilience of Coral Reefs to Climate Change. Current Biology, 2007, 17, 360-365.	3.9	1,239
72	ECOLOGY: Globalization, Roving Bandits, and Marine Resources. Science, 2006, 311, 1557-1558.	12.6	592

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73	Governance and the Capacity to Manage Resilience in Regional Social-Ecological Systems. Ecology and Society, 2006, 11, .	2.3	817
74	Coral reef diversity refutes the neutral theory of biodiversity. Nature, 2006, 440, 80-82.	27.8	234
75	Sleeping Functional Group Drives Coral-Reef Recovery. Current Biology, 2006, 16, 2434-2439.	3.9	388
76	Impacts of simulated overfishing on the territoriality of coral reef damselfish. Marine Ecology - Progress Series, 2006, 309, 255-262.	1.9	33
77	Environmental and geometric constraints on Indo-Pacific coral reef biodiversity. Ecology Letters, 2005, 8, 643-651.	6.4	165
78	Community Structure of Corals and Reef Fishes at Multiple Scales. Science, 2005, 309, 1363-1365.	12.6	140
79	ECOLOGY: Enhanced: Are U.S. Coral Reefs on the Slippery Slope to Slime?. Science, 2005, 307, 1725-1726.	12.6	393
80	Social-Ecological Resilience to Coastal Disasters. Science, 2005, 309, 1036-1039.	12.6	2,002
81	New paradigms for supporting the resilience of marine ecosystems. Trends in Ecology and Evolution, 2005, 20, 380-386.	8.7	781
82	Climate change, genotypic diversity and gene flow in reef-building corals. Ecology Letters, 2004, 7, 273-278.	6.4	214
83	Coral communities are regionally enriched along an oceanic biodiversity gradient. Nature, 2004, 429, 867-870.	27.8	144
84	Confronting the coral reef crisis. Nature, 2004, 429, 827-833.	27.8	2,695
85	A LONG-TERM STUDY OF COMPETITION AND DIVERSITY OF CORALS. Ecological Monographs, 2004, 74, 179-210.	5.4	186
86	INDO-PACIFIC BIODIVERSITY OF CORAL REEFS: DEVIATIONS FROM A MID-DOMAIN MODEL. Ecology, 2003, 84, 2178-2190.	3.2	175
87	Global Trajectories of the Long-Term Decline of Coral Reef Ecosystems. Science, 2003, 301, 955-958.	12.6	1,634
88	Climate Change, Human Impacts, and the Resilience of Coral Reefs. Science, 2003, 301, 929-933.	12.6	3,124
89	Coral Reef Biodiversity and Conservation. Science, 2002, 296, 1026-1028.	12.6	14
90	Biodiversity hotspots, centres of endemicity, and the conservation of coral reefs. Ecology Letters, 2002, 5, 775-784.	6.4	311

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91	Detecting Regional Variation Using Meta-Analysis and Large-Scale Sampling: Latitudinal Patterns in Recruitment. Ecology, 2002, 83, 436.	3.2	2
92	Historical Overfishing and the Recent Collapse of Coastal Ecosystems. Science, 2001, 293, 629-637.	12.6	5,242
93	Regional-Scale Assembly Rules and Biodiversity of Coral Reefs. Science, 2001, 292, 1532-1535.	12.6	482
94	Competitive dominance by tabular corals: an experimental analysis of recruitment and survival of understorey assemblages. Journal of Experimental Marine Biology and Ecology, 2000, 251, 117-132.	1.5	104
95	RECRUITMENT FAILURE, LIFE HISTORIES, AND LONG-TERM DECLINE OF CARIBBEAN CORALS. Ecology, 2000, 81, 2250-2263.	3.2	446
96	Algal blooms on coral reefs: What are the causes?. Limnology and Oceanography, 1999, 44, 1583-1586.	3.1	153
97	Multiple stressors on coral reefs: A long â€ŧerm perspective. Limnology and Oceanography, 1999, 44, 932-940.	3.1	516
98	Off-reef transport of coral fragments at Lizard Island, Australia. Marine Geology, 1999, 157, 1-6.	2.1	66
99	Patterns of recruitment and abundance of corals along the Great Barrier Reef. Nature, 1999, 397, 59-63.	27.8	321
100	An experimental assessment of survival, re-attachment and fecundity of coral fragments. Journal of Experimental Marine Biology and Ecology, 1999, 235, 147-164.	1.5	165
101	Genetic differentiation, reproductive mode, and gene flow in the brooding coral Pocillopora damicornis along the Great Barrier Reef, Australia. Marine Ecology - Progress Series, 1997, 159, 175-187.	1.9	113
102	RECRUITMENT AND THE LOCAL DYNAMICS OF OPEN MARINE POPULATIONS. Annual Review of Ecology, Evolution, and Systematics, 1996, 27, 477-500.	6.7	1,048
103	Reproductive Strategies of Modular Organisms: Comparative Studies of Reef- Building Corals. Ecology, 1996, 77, 950-963.	3.2	283
104	Density-Dependent Dynamics of Soft Coral Aggregations: The Significance of Clonal Growth and Form. Ecology, 1996, 77, 1592-1599.	3.2	40
105	Demographic Approaches to Community Dynamics: A Coral Reef Example. Ecology, 1996, 77, 2256-2260.	3.2	63
106	The Role of History in Community Dynamics: A Modelling Approach. Ecology, 1996, 77, 108-117.	3.2	74
107	Species Coexistence, Keystone Species, and Succession: A Sensitivity Analysis. Ecology, 1994, 75, 2204.	3.2	154
108	Catastrophes, Phase Shifts, and Large-Scale Degradation of a Caribbean Coral Reef. Science, 1994, 265, 1547-1551.	12.6	2,413

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109	The evolutionary ecology of corals. Trends in Ecology and Evolution, 1992, 7, 292-295.	8.7	171
110	Recruitment Limitation, Mortality, and Population Regulation in Open Systems: A Case Study. Ecology, 1990, 71, 12-20.	3.2	161
111	Community Structure and Diversity of Coral Reefs: The Role of History. Ecology, 1989, 70, 275-279.	3.2	215
112	Population Dynamics Based on Size or Age? A Reef-Coral Analysis. American Naturalist, 1987, 129, 818-829.	2.1	171
113	Herbivory on coral reefs: community structure following mass mortalities of sea urchins. Journal of Experimental Marine Biology and Ecology, 1987, 113, 39-59.	1.5	257
114	Skeletal density and growth form of corals. Marine Ecology - Progress Series, 1987, 35, 259-266.	1.9	110
115	Population Dynamics and Life Histories of Foliaceous Corals. Ecological Monographs, 1985, 55, 141-166.	5.4	449
116	Population Dynamics Based on Individual Size Rather than Age: A General Model with a Reef Coral Example. American Naturalist, 1984, 123, 778-795.	2.1	357
117	Do Corals Lie About Their Age? Some Demographic Consequences of Partial Mortality, Fission, and Fusion. Science, 1980, 209, 713-715.	12.6	296