

Shaun K Wilson

List of Publications by Year in descending order

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Version: 2024-02-01

127
papers

16,304
citations

30070

54
h-index

16650

123
g-index

130
all docs

130
docs citations

130
times ranked

11650
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of human footprint and biophysical factors on the body size structure of fished marine species. <i>Conservation Biology</i> , 2022, 36, .	4.7	16
2	Climate-induced increases in micronutrient availability for coral reef fisheries. <i>One Earth</i> , 2022, 5, 98-108.	6.8	20
3	Tropical larval and juvenile fish critical swimming speed (U-crit) and morphology data. <i>Scientific Data</i> , 2022, 9, 45.	5.3	5
4	The contribution of macroalgae-associated fishes to small-scale tropical reef fisheries. <i>Fish and Fisheries</i> , 2022, 23, 847-861.	5.3	11
5	Causal drivers of climate-mediated coral reef regime shifts. <i>Ecosphere</i> , 2022, 13, .	2.2	10
6	Climate impacts alter fisheries productivity and turnover on coral reefs. <i>Coral Reefs</i> , 2022, 41, 921-935.	2.2	7
7	Seabird diversity and biomass enhance cross-ecosystem nutrient subsidies. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, 20220195.	2.6	4
8	Isolated reefs support stable fish communities with high abundances of regionally fished species. <i>Ecology and Evolution</i> , 2021, 11, 4701-4718.	1.9	6
9	Nitrogen enrichment in macroalgae following mass coral mortality. <i>Coral Reefs</i> , 2021, 40, 767-776.	2.2	10
10	The BRUVs workshop – An Australia-wide synthesis of baited remote underwater video data to answer broad-scale ecological questions about fish, sharks and rays. <i>Marine Policy</i> , 2021, 127, 104430.	3.2	15
11	Increased connectivity and depth improve the effectiveness of marine reserves. <i>Global Change Biology</i> , 2021, 27, 3432-3447.	9.5	27
12	Comparing five methods for quantifying abundance and diversity of fish assemblages in seagrass habitat. <i>Ecological Indicators</i> , 2021, 124, 107415.	6.3	20
13	Coral larval recruitment in north-western Australia predicted by regional and local conditions. <i>Marine Environmental Research</i> , 2021, 168, 105318.	2.5	10
14	Interactive effects of sediments and urchins on the composition and structure of tropical macroalgal assemblages. <i>Marine Biology</i> , 2021, 168, 1.	1.5	0
15	Precision and cost-effectiveness of bioindicators to estimate nutrient regimes on coral reefs. <i>Marine Pollution Bulletin</i> , 2021, 170, 112606.	5.0	2
16	The mesh size effect: counting long thin fish in seagrass. <i>Fisheries Research</i> , 2021, 242, 106019.	1.7	0
17	Coral Communities on Marginal High-Latitude Reefs in West Australian Marine Parks. <i>Diversity</i> , 2021, 13, 554.	1.7	4
18	Knowledge Gaps in the Biology, Ecology, and Management of the Pacific Crown-of-Thorns Sea Star <i>Acanthaster</i> sp. on Australia's Great Barrier Reef. <i>Biological Bulletin</i> , 2021, 241, 330-346.	1.8	25

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19	Habitat and fishing control grazing potential on coral reefs. <i>Functional Ecology</i> , 2020, 34, 240-251.	3.6	27
20	Large geographic variability in the resistance of corals to thermal stress. <i>Global Ecology and Biogeography</i> , 2020, 29, 2229-2247.	5.8	36
21	Size-specific recolonization success by coral-dwelling damselfishes moderates resilience to habitat loss. <i>Scientific Reports</i> , 2020, 10, 17016.	3.3	5
22	Seascape Configuration and Fine-Scale Habitat Complexity Shape Parrotfish Distribution and Function across a Coral Reef Lagoon. <i>Diversity</i> , 2020, 12, 391.	1.7	8
23	Between a Reef and a Hard Place: Capacity to Map the Next Coral Reef Catastrophe. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	3
24	Biodiversity increases ecosystem functions despite multiple stressors on coral reefs. <i>Nature Ecology and Evolution</i> , 2020, 4, 919-926.	7.8	62
25	Early recovery dynamics of turbid coral reefs after recurring bleaching events. <i>Journal of Environmental Management</i> , 2020, 268, 110666.	7.8	47
26	Macroalgal meadow habitats support fish and fisheries in diverse tropical seascapes. <i>Fish and Fisheries</i> , 2020, 21, 700-717.	5.3	56
27	Too hot to handle: Unprecedented seagrass death driven by marine heatwave in a World Heritage Area. <i>Global Change Biology</i> , 2020, 26, 3525-3538.	9.5	139
28	Bleaching susceptibility of aquarium corals collected across northern Australia. <i>Coral Reefs</i> , 2020, 39, 663-673.	2.2	6
29	Changing role of coral reef marine reserves in a warming climate. <i>Nature Communications</i> , 2020, 11, 2000.	12.8	58
30	Meeting fisheries, ecosystem function, and biodiversity goals in a human-dominated world. <i>Science</i> , 2020, 368, 307-311.	12.6	99
31	Zone specific trends in coral cover, genera and growth-forms in the World-Heritage listed Ningaloo Reef. <i>Marine Environmental Research</i> , 2020, 160, 105020.	2.5	5
32	Socialâ€environmental drivers inform strategic management of coral reefs in the Anthropocene. <i>Nature Ecology and Evolution</i> , 2019, 3, 1341-1350.	7.8	175
33	Temperature patterns and mechanisms influencing coral bleaching during the 2016 El NiÃ±o. <i>Nature Climate Change</i> , 2019, 9, 845-851.	18.8	81
34	Cross-shelf Heterogeneity of Coral Assemblages in Northwest Australia. <i>Diversity</i> , 2019, 11, 15.	1.7	18
35	Thermal stress induces persistently altered coral reef fish assemblages. <i>Global Change Biology</i> , 2019, 25, 2739-2750.	9.5	71
36	Abiotic and biotic controls on coral recovery 16Âyears after mass bleaching. <i>Coral Reefs</i> , 2019, 38, 1255-1265.	2.2	31

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37	Seabird nutrient subsidies alter patterns of algal abundance and fish biomass on coral reefs following a bleaching event. <i>Global Change Biology</i> , 2019, 25, 2619-2632.	9.5	45
38	Boom and bust of keystone structure on coral reefs. <i>Coral Reefs</i> , 2019, 38, 625-635.	2.2	60
39	Trait structure and redundancy determine sensitivity to disturbance in marine fish communities. <i>Global Change Biology</i> , 2019, 25, 3424-3437.	9.5	68
40	Uncovering drivers of juvenile coral density following mass bleaching. <i>Coral Reefs</i> , 2019, 38, 637-649.	2.2	26
41	The state of Western Australia's coral reefs. <i>Coral Reefs</i> , 2019, 38, 651-667.	2.2	56
42	The North-Western Margin of Australia. , 2019, , 303-331.		4
43	Productive instability of coral reef fisheries after climate-driven regime shifts. <i>Nature Ecology and Evolution</i> , 2019, 3, 183-190.	7.8	86
44	Form and function of tropical macroalgal reefs in the Anthropocene. <i>Functional Ecology</i> , 2019, 33, 989-999.	3.6	76
45	Gradients of disturbance and environmental conditions shape coral community structure for south-eastern Indian Ocean reefs. <i>Diversity and Distributions</i> , 2018, 24, 605-620.	4.1	43
46	Spatial and temporal patterns of mass bleaching of corals in the Anthropocene. <i>Science</i> , 2018, 359, 80-83.	12.6	1,515
47	Climatic forcing and larval dispersal capabilities shape the replenishment of fishes and their habitat-forming biota on a tropical coral reef. <i>Ecology and Evolution</i> , 2018, 8, 1918-1928.	1.9	24
48	Visual versus video methods for estimating reef fish biomass. <i>Ecological Indicators</i> , 2018, 85, 146-152.	6.3	33
49	Ecosystem regime shifts disrupt trophic structure. <i>Ecological Applications</i> , 2018, 28, 191-200.	3.8	43
50	Regime shifts shorten food chains for mesopredators with potential sublethal effects. <i>Functional Ecology</i> , 2018, 32, 820-830.	3.6	16
51	Demonstrating multiple benefits from periodically harvested fisheries closures. <i>Journal of Applied Ecology</i> , 2018, 55, 1102-1113.	4.0	20
52	Subcontinental heat wave triggers terrestrial and marine, multi-taxa responses. <i>Scientific Reports</i> , 2018, 8, 13094.	3.3	101
53	The future of hyperdiverse tropical ecosystems. <i>Nature</i> , 2018, 559, 517-526.	27.8	452
54	Seabirds enhance coral reef productivity and functioning in the absence of invasive rats. <i>Nature</i> , 2018, 559, 250-253.	27.8	205

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55	Habitat connectivity and complexity underpin fish community structure across a seascape of tropical macroalgae meadows. <i>Landscape Ecology</i> , 2018, 33, 1287-1300.	4.2	49
56	A simple function for full subsets multiple regression in ecology with R. <i>Ecology and Evolution</i> , 2018, 8, 6104-6113.	1.9	109
57	Loss of coral reef growth capacity to track future increases in sea level. <i>Nature</i> , 2018, 558, 396-400.	27.8	250
58	Management strategies to minimize the dredging impacts of coastal development on fish and fisheries. <i>Conservation Letters</i> , 2018, 11, e12572.	5.7	18
59	Gravity of human impacts mediates coral reef conservation gains. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E6116-E6125.	7.1	185
60	Fish wariness is a more sensitive indicator to changes in fishing pressure than abundance, length or biomass. <i>Ecological Applications</i> , 2017, 27, 1178-1189.	3.8	55
61	Relationships between structural complexity, coral traits, and reef fish assemblages. <i>Coral Reefs</i> , 2017, 36, 561-575.	2.2	210
62	Human Disruption of Coral Reef Trophic Structure. <i>Current Biology</i> , 2017, 27, 231-236.	3.9	105
63	Drivers and predictions of coral reef carbonate budget trajectories. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20162533.	2.6	43
64	Localised hydrodynamics influence vulnerability of coral communities to environmental disturbances. <i>Coral Reefs</i> , 2017, 36, 861-872.	2.2	23
65	Climatic conditions and nursery habitat quality provide indicators of reef fish recruitment strength. <i>Limnology and Oceanography</i> , 2017, 62, 1868-1880.	3.1	26
66	A critical analysis of the direct effects of dredging on fish. <i>Fish and Fisheries</i> , 2017, 18, 967-985.	5.3	99
67	Global warming and recurrent mass bleaching of corals. <i>Nature</i> , 2017, 543, 373-377.	27.8	2,363
68	Assessing coral health and disease from digital photographs and in situ surveys. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 18.	2.7	16
69	Comparing two remote video survey methods for spatial predictions of the distribution and environmental niche suitability of demersal fishes. <i>Scientific Reports</i> , 2017, 7, 17633.	3.3	10
70	Recent Advances in Understanding the Effects of Climate Change on Coral Reefs. <i>Diversity</i> , 2016, 8, 12.	1.7	98
71	Climate-driven regime shift of a temperate marine ecosystem. <i>Science</i> , 2016, 353, 169-172.	12.6	951
72	Specialization within a shifting habitat mosaic underpins the seasonal abundance of a tropical fish. <i>Ecosphere</i> , 2016, 7, e01212.	2.2	26

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73	Influence of nursery microhabitats on the future abundance of a coral reef fish. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20160903.	2.6	17
74	Accelerating Tropicalization and the Transformation of Temperate Seagrass Meadows. <i>BioScience</i> , 2016, 66, 938-948.	4.9	128
75	Harnessing fishery-independent indicators to aid management of data-poor fisheries: weighing habitat and fishing effects. <i>Ecosphere</i> , 2016, 7, e01362.	2.2	17
76	Bright spots among the world's coral reefs. <i>Nature</i> , 2016, 535, 416-419.	27.8	394
77	Estimating the role of three mesopredatory fishes in coral reef food webs at Ningaloo Reef, Western Australia. <i>Coral Reefs</i> , 2016, 35, 261-269.	2.2	7
78	Herbivore cross-scale redundancy supports response diversity and promotes coral reef resilience. <i>Journal of Applied Ecology</i> , 2016, 53, 646-655.	4.0	96
79	Remote coral reefs can sustain high growth potential and may match future sea-level trends. <i>Scientific Reports</i> , 2015, 5, 18289.	3.3	73
80	Habitat Selectivity and Reliance on Live Corals for Indo-Pacific Hawkfishes (Family: Cirrhitidae). <i>PLoS ONE</i> , 2015, 10, e0138136.	2.5	10
81	Predicting climate-driven regime shifts versus rebound potential in coral reefs. <i>Nature</i> , 2015, 518, 94-97.	27.8	607
82	Measuring coral size-frequency distribution using stereo video technology, a comparison with in situ measurements. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 234.	2.7	6
83	Recovery potential of the world's coral reef fishes. <i>Nature</i> , 2015, 520, 341-344.	27.8	267
84	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
85	Perceptions of Australian marine protected area managers regarding the role, importance, and achievability of adaptation for managing the risks of climate change. <i>Ecology and Society</i> , 2014, 19, .	2.3	47
86	Importance of live coral habitat for reef fishes. <i>Reviews in Fish Biology and Fisheries</i> , 2014, 24, 89-126.	4.9	173
87	Reef degradation and the loss of critical ecosystem goods and services provided by coral reef fishes. <i>Current Opinion in Environmental Sustainability</i> , 2014, 7, 37-43.	6.3	169
88	Seasonal changes in habitat structure underpin shifts in macroalgae-associated tropical fish communities. <i>Marine Biology</i> , 2014, 161, 2597-2607.	1.5	35
89	Scleractinian coral communities of the inner Seychelles 10 years after the 1998 mortality event. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2014, 24, 667-679.	2.0	21
90	Sea temperature shapes seasonal fluctuations in seaweed biomass within the Ningaloo coral reef ecosystem. <i>Limnology and Oceanography</i> , 2014, 59, 156-166.	3.1	77

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91	Integrating connectivity science and spatial conservation management of coral reefs in north-west Australia. <i>Journal for Nature Conservation</i> , 2013, 21, 163-172.	1.8	34
92	Sea cucumbers in the Seychelles: effects of marine protected areas on high-value species. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2013, 23, 418-428.	2.0	21
93	Cross-scale Habitat Structure Drives Fish Body Size Distributions on Coral Reefs. <i>Ecosystems</i> , 2013, 16, 478-490.	3.4	79
94	Differential use of shelter holes by sympatric species of blennies (Blenniidae). <i>Marine Biology</i> , 2013, 160, 2405-2411.	1.5	8
95	A comparison of visual and stereo-video based fish community assessment methods in tropical and temperate marine waters of Western Australia. <i>Limnology and Oceanography: Methods</i> , 2013, 11, 337-350.	2.0	67
96	The Status of Coral Reef Fish Assemblages in the Chagos Archipelago, with Implications for Protected Area Management and Climate Change. <i>Coral Reefs of the World</i> , 2013, , 253-270.	0.7	16
97	Susceptibility of Butterflyfish to Habitat Disturbance. , 2013, , 226-245.		8
98	Dynamic Stability of Coral Reefs on the West Australian Coast. <i>PLoS ONE</i> , 2013, 8, e69863.	2.5	36
99	Market access, population density, and socioeconomic development explain diversity and functional group biomass of coral reef fish assemblages. <i>Global Environmental Change</i> , 2012, 22, 399-406.	7.8	104
100	Effect of Macroalgal Expansion and Marine Protected Areas on Coral Recovery Following a Climatic Disturbance. <i>Conservation Biology</i> , 2012, 26, 995-1004.	4.7	67
101	Relative and combined effects of habitat and fishing on reef fish communities across a limited fishing gradient at Ningaloo. <i>Marine Environmental Research</i> , 2012, 81, 1-11.	2.5	37
102	Consumption of tabular acroporid corals by reef fishes: a comparison with plant herbivore interactions. <i>Functional Ecology</i> , 2012, 26, 307-316.	3.6	15
103	Unprecedented Mass Bleaching and Loss of Coral across 12° of Latitude in Western Australia in 2010-11. <i>PLoS ONE</i> , 2012, 7, e51807.	2.5	135
104	Design Factors and Socioeconomic Variables Associated with Ecological Responses to Fishery Closures in the Western Indian Ocean. <i>Coastal Management</i> , 2011, 39, 412-424.	2.0	33
105	Changes in Biodiversity and Functioning of Reef Fish Assemblages following Coral Bleaching and Coral Loss. <i>Diversity</i> , 2011, 3, 424-452.	1.7	213
106	Extinction vulnerability of coral reef fishes. <i>Ecology Letters</i> , 2011, 14, 341-348.	6.4	201
107	Diet of finfish targeted by fishers in North West Australia and the implications for trophic cascades. <i>Environmental Biology of Fishes</i> , 2011, 91, 71-85.	1.0	34
108	Critical thresholds and tangible targets for ecosystem-based management of coral reef fisheries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 17230-17233.	7.1	277

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109	Global Human Footprint on the Linkage between Biodiversity and Ecosystem Functioning in Reef Fishes. PLoS Biology, 2011, 9, e1000606.	5.6	249
110	Distribution and drivers of coral disease at Ningaloo reef, Indian Ocean. Marine Ecology - Progress Series, 2011, 433, 75-84.	1.9	28
111	Crucial knowledge gaps in current understanding of climate change impacts on coral reef fishes. Journal of Experimental Biology, 2010, 213, 894-900.	1.7	82
112	Habitat Associations of Juvenile Fish at Ningaloo Reef, Western Australia: The Importance of Coral and Algae. PLoS ONE, 2010, 5, e15185.	2.5	104
113	Linking Social and Ecological Systems to Sustain Coral Reef Fisheries. Current Biology, 2009, 19, 206-212.	3.9	257
114	Gear-based fisheries management as a potential adaptive response to climate change and coral mortality. Journal of Applied Ecology, 2009, 46, 724-732.	4.0	119
115	Effects of fisheries closure size, age, and history of compliance on coral reef fish communities in the western Indian Ocean. Marine Ecology - Progress Series, 2009, 396, 99-109.	1.9	64
116	Habitat utilization by coral reef fish: implications for specialists vs. generalists in a changing environment. Journal of Animal Ecology, 2008, 77, 220-228.	2.8	220
117	Efficacy of a starch-iodide swab technique to detect the illegal use of bleach in a Spiny Lobster (<i>Panulirus argus</i>) fishery. Fisheries Research, 2008, 90, 86-91.	1.7	1
118	Effects Of Climate-Induced Coral Bleaching On Coral-Reef Fishes – Ecological And Economic Consequences. Oceanography and Marine Biology, 2008, , 251-296.	1.0	351
119	Climate Warming, Marine Protected Areas and the Ocean-Scale Integrity of Coral Reef Ecosystems. PLoS ONE, 2008, 3, e3039.	2.5	220
120	Lag Effects in the Impacts of Mass Coral Bleaching on Coral Reef Fish, Fisheries, and Ecosystems. Conservation Biology, 2007, 21, 1291-1300.	4.7	336
121	Multiple disturbances and the global degradation of coral reefs: are reef fishes at risk or resilient?. Global Change Biology, 2006, 12, 2220-2234.	9.5	584
122	Dynamic fragility of oceanic coral reef ecosystems. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 8425-8429.	7.1	566
123	Critical swimming speeds of late-stage coral reef fish larvae: variation within species, among species and between locations. Marine Biology, 2005, 147, 1201-1212.	1.5	148
124	Maximum sustainable swimming speeds of late-stage larvae of nine species of reef fishes. Journal of Experimental Marine Biology and Ecology, 2004, 312, 171-186.	1.5	52
125	Nutritional value of detritus and algae in blenny territories on the Great Barrier Reef. Journal of Experimental Marine Biology and Ecology, 2002, 271, 155-169.	1.5	40
126	Identifying sources of organic matter in sediments from a detritivorous coral reef fish territory. Organic Geochemistry, 2001, 32, 1257-1269.	1.8	23

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127	Effects of climate change on coral reef fishes. , 0, , 127-134.		10