Stephen D Simpson

List of Publications by Year
in descending order

80 papers	4,965 citations	87723 38 h-index	98622 67 g-index
84 all docs	84 docs citations	84 times ranked	4628 citing authors

#	Article	IF	Citations
1	HydroMoth: Testing a prototype lowâ€cost acoustic recorder for aquatic environments. Remote Sensing in Ecology and Conservation, 2022, 8, 362-378.	2.2	19
2	Rapid blood acidâ€“base regulation by European sea bass (Dicentrarchus labrax) in response to sudden exposure to high environmental CO2. Journal of Experimental Biology, 2022, 225, .	0.8	10
3	The sound of recovery: Coral reef restoration success is detectable in the soundscape. Journal of Applied Ecology, 2022, 59, 742-756.	1.9	25
4	Enhancing automated analysis of marine soundscapes using ecoacoustic indices and machine learning. Ecological Indicators, 2022, 140, 108986.	2.6	13
5	Limiting motorboat noise on coral reefs boosts fish reproductive success. Nature Communications, 2022, 13, .	5.8	19
6	The soundscape of the Anthropocene ocean. Science, 2021, 371, .	6.0	376
7	Drivers and implications of change in an inshore multi-species fishery. ICES Journal of Marine Science, 2021, 78, 1815-1825.	1.2	1
8	Trade-offs between physical risk and economic reward affect fishersâ€™ vulnerability to changing storminess. Global Environmental Change, 2021, 69, 102228.	3.6	9
9	Anthropogenic underwater vibrations are sensed and stressful for the shore crab Carcinus maenas. Environmental Pollution, 2021, 285, 117148.	3.7	12
10	Low-cost action cameras offer potential for widespread acoustic monitoring of marine ecosystems. Ecological Indicators, 2021, 129, 107957.	2.6	14
11	Projected impacts of warming seas on commercially fished species at a biogeographic boundary of the European continental shelf. Journal of Applied Ecology, 2020, 57, 2222-2233.	1.9	11
12	Assessing and mitigating impacts of motorboat noise on nesting damselfish. Environmental Pollution, 2020, 266, 115376.	3.7	20
13	Effects of multiple stressors on fish shoal collective motion are independent and vary with shoaling metric. Animal Behaviour, 2020, 168, 7-17.	0.8	28
14	Can we project changes in fish abundance and distribution in response to climate?. Global Change Biology, 2020, 26, 3891-3905.	4.2	25
15	Hormonal and behavioural effects of motorboat noise on wild coral reef fish. Environmental Pollution, 2020, 262, 114250.	3.7	49
16	Climate Change Drives Poleward Increases and Equatorward Declines in Marine Species. Current Biology, 2020, 30, 1572-1577.e2.	1.8	111
17	Causes and consequences of intraspecific variation in animal responses to anthropogenic noise. Behavioral Ecology, 2019, 30, 1501-1511.	1.0	67
18	Rising CO2 enhances hypoxia tolerance in a marine fish. Scientific Reports, 2019, 9, 15152.	1.6	40

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19	In a noisy world, some animals are more equal than others: a response to comments on Harding et al.. Behavioral Ecology, 2019, 30, 1516-1517.	1.0	3
20	Coral Reef Monitoring, Reef Assessment Technologies, and Ecosystem-Based Management. Frontiers in Marine Science, 2019, 6, .	1.2	96
21	Acoustic enrichment can enhance fish community development on degraded coral reef habitat. Nature Communications, 2019, 10, 5414.	5.8	49
22	Boat noise impacts risk assessment in a coral reef fish but effects depend on engine type. Scientific Reports, 2018, 8, 3847.	1.6	45
23	Impact of motorboats on fish embryos depends on engine type. , 2018, 6, coy014.		29
24	School is out on noisy reefs: the effect of boat noise on predator learning and survival of juvenile coral reef fishes. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20180033.	1.2	32
25	Habitat degradation negatively affects auditory settlement behavior of coral reef fishes. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5193-5198.	3.3	77
26	Effect of elevated CO₂and small boat noise on the kinematics of predatorâ€“prey interactions. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20172650.	1.2	17
27	High temporal resolution sampling reveals reef fish settlement is highly clustered. Canadian Journal of Fisheries and Aquatic Sciences, 2018, 75, 560-568.	0.7	2
28	Never Off the Hookâ€"How Fishing Subverts Predator-Prey Relationships in Marine Teleosts. Frontiers in Ecology and Evolution, 2018, 6, .	1.1	9
29	Fish in habitats with higher motorboat disturbance show reduced sensitivity to motorboat noise. Biology Letters, 2018, 14, 20180441.	1.0	27
30	Changing storminess and global capture fisheries. Nature Climate Change, 2018, 8, 655-659.	8.1	52
31	Combined impacts of elevated CO2 and anthropogenic noise on European sea bass (Dicentrarchus) Tj ETQq1 1 0.784314 rgBT /Overl	1.2	5
32	Nonâ€native marine species in northâ€west Europe: Developing an approach to assess future spread using regional downscaled climate projections. Aquatic Conservation: Marine and Freshwater Ecosystems, 2017, 27, 1035-1050.	0.9	15
33	Motorboat noise impacts parental behaviour and offspring survival in a reef fish. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170143.	1.2	79
34	Motorboat noise disrupts co-operative interspecific interactions. Scientific Reports, 2017, 7, 6987.	1.6	26
35	Historical Processes and Contemporary Anthropogenic Activities Influence Genetic Population Dynamics of Nassau Grouper (Epinephelus striatus) within The Bahamas. Frontiers in Marine Science, 2017, 4, .	1.2	4
36	Painted Goby Larvae under High-CO2 Fail to Recognize Reef Sounds. PLoS ONE, 2017, 12, e0170838.	1.1	15

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37	Repeated exposure reduces the response to impulsive noise in European seabass. Global Change Biology, 2016, 22, 3349-3360.	4.2	65
38	Repeated exposure to noise increases tolerance in a coral reef fish. Environmental Pollution, 2016, 216, 428-436.	3.7	81
39	Particle motion: the missing link in underwater acoustic ecology. Methods in Ecology and Evolution, 2016, 7, 836-842.	2.2	159
40	The impact of experimental impact pile driving on oxygen uptake in black seabream and plaice. Proceedings of Meetings on Acoustics, 2016, , .	0.3	6
41	Beyond a Simple Effect: Variable and Changing Responses to Anthropogenic Noise. Advances in Experimental Medicine and Biology, 2016, 875, 901-907.	0.8	10
42	Condition-dependent physiological and behavioural responses to anthropogenic noise. Physiology and Behavior, 2016, 155, 157-161.	1.0	40
43	Rapid recovery following short-term acoustic disturbance in two fish species. Royal Society Open Science, 2016, 3, 150686.	1.1	27
44	Anthropogenic noise increases fish mortality by predation. Nature Communications, 2016, 7, 10544.	5.8	253
45	Playback Experiments for Noise Exposure. Advances in Experimental Medicine and Biology, 2016, 875, 461-466.	0.8	0
46	Pile-Driving Noise Impairs Antipredator Behavior of the European Sea Bass Dicentrarchus labrax. Advances in Experimental Medicine and Biology, 2016, 875, 273-279.	0.8	5
47	Small-Boat Noise Impacts Natural Settlement Behavior of Coral Reef Fish Larvae. Advances in Experimental Medicine and Biology, 2016, 875, 1041-1048.	0.8	29
48	The Good, The Bad, and The Distant: Soundscape Cues for Larval Fish. Advances in Experimental Medicine and Biology, 2016, 875, 829-837.	0.8	1
49	Effects of Previous Acoustic Experience on Behavioral Responses to Experimental Sound Stimuli and Implications for Research. Advances in Experimental Medicine and Biology, 2016, 875, 1191-1196.	0.8	7
50	Impacts of regular and random noise on the behaviour, growth and development of larval Atlantic cod (Gadus morhua). Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20151943.	1.2	55
51	Ocean acidification boosts larval fish development but reduces the window of opportunity for successful settlement. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20151954.	1.2	47
52	Future fish distributions constrained by depth in warming seas. Nature Climate Change, 2015, 5, 569-573.	8.1	94
53	Anthropogenic noise compromises antipredator behaviour in European eels. Global Change Biology, 2015, 21, 586-593.	4.2	143
54	Prioritization of knowledge needs for sustainable aquaculture: a national and global perspective. Fish and Fisheries, 2015, 16, 668-683.	2.7	55

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55	Historical Arctic Logbooks Provide Insights into Past Diets and Climatic Responses of Cod. PLoS ONE, 2015, 10, e0135418.	1.1	13
56	Soundscapes and living communities in coral reefs: temporal and spatial variation. Marine Ecology - Progress Series, 2015, 524, 125-135.	0.9	72
57	Acoustic noise reduces foraging success in two sympatric fish species via different mechanisms. Animal Behaviour, 2014, 89, 191-198.	0.8	137
58	Habitat quality affects sound production and likely distance of detection on coral reefs. Marine Ecology - Progress Series, 2014, 516, 35-47.	0.9	73
59	Anthropogenic noise playback impairs embryonic development and increases mortality in a marine invertebrate. Scientific Reports, 2014, 4, 5891.	1.6	85
60	Increased Noise Levels Have Different Impacts on the Anti-Predator Behaviour of Two Sympatric Fish Species. PLoS ONE, 2014, 9, e102946.	1.1	76
61	Long-Distance Dispersal via Ocean Currents Connects Omani Clownfish Populations throughout Entire Species Range. PLoS ONE, 2014, 9, e107610.	1.1	55
62	Noise negatively affects foraging and antipredator behaviour in shore crabs. Animal Behaviour, 2013, 86, 111-118.	0.8	199
63	Modelling larval dispersal and behaviour of coral reef fishes. Ecological Complexity, 2013, 16, 68-76.	1.4	26
64	Who's hot and who's not: ocean warming alters species dominance through competitive displacement. Journal of Animal Ecology, 2013, 82, 287-289.	1.3	12
65	Size-dependent physiological responses of shore crabs to single and repeated playback of ship noise. Biology Letters, 2013, 9, 20121194.	1.0	105
66	Redundancy in metrics describing the composition, structure, and functioning of the North Sea demersal fish community. ICES Journal of Marine Science, 2012, 69, 8-22.	1.2	28
67	A test of the senses: Fish select novel habitats by responding to multiple cues. Ecology, 2012, 93, 46-55.	1.5	100
68	Regionâ€wide changes in marine ecosystem dynamics: stateâ€space models to distinguish trends from step changes. Global Change Biology, 2012, 18, 1270-1281.	4.2	16
69	Ocean acidification erodes crucial auditory behaviour in a marine fish. Biology Letters, 2011, 7, 917-920.	1.0	219
70	Adaptive Avoidance of Reef Noise. PLoS ONE, 2011, 6, e16625.	1.1	55
71	Extreme climatic events reduce ocean productivity and larval supply in a tropical reef ecosystem. Global Change Biology, 2011, 17, 1695-1702.	4.2	77
72	Continental Shelf-Wide Response of a Fish Assemblage to Rapid Warming of the Sea. Current Biology, 2011, 21, 1565-1570.	1.8	208

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73	Coral Larvae Move toward Reef Sounds. PLoS ONE, 2010, 5, e10660.	1.1	161
74	Temperature-driven phenological changes within a marine larval fish assemblage. Journal of Plankton Research, 2010, 32, 699-708.	0.8	88
75	Behavioral plasticity in larval reef fish: orientation is influenced by recent acoustic experiences. Behavioral Ecology, 2010, 21, 1098-1105.	1.0	51
76	Dispersal without errors: symmetrical ears tune into the right frequency for survival. Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 527-534.	1.2	52
77	THE SOUNDS OF THE REEF: CAN WE LEARN TO LISTEN BEFORE IT IS TOO LATE?. Bioacoustics, 2008, 17, 28-29.	0.7	3
78	Sound as an Orientation Cue for the Pelagic Larvae of Reef Fishes and Decapod Crustaceans. Advances in Marine Biology, 2006, 51, 143-196.	0.7	259
79	Homeward Sound. Science, 2005, 308, 221-221.	6.0	263
80	Developments in the application of photography to ecological monitoring, with reference to algal beds. Aquatic Conservation: Marine and Freshwater Ecosystems, 2001, 11, 123-135.	0.9	4