

Stephen D Simpson

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4720669/publications.pdf>

Version: 2024-02-01

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	The soundscape of the Anthropocene ocean. <i>Science</i> , 2021, 371, .	6.0	376
2	Homeward Sound. <i>Science</i> , 2005, 308, 221-221.	6.0	263
3	Sound as an Orientation Cue for the Pelagic Larvae of Reef Fishes and Decapod Crustaceans. <i>Advances in Marine Biology</i> , 2006, 51, 143-196.	0.7	259
4	Anthropogenic noise increases fish mortality by predation. <i>Nature Communications</i> , 2016, 7, 10544.	5.8	253
5	Ocean acidification erodes crucial auditory behaviour in a marine fish. <i>Biology Letters</i> , 2011, 7, 917-920.	1.0	219
6	Continental Shelf-Wide Response of a Fish Assemblage to Rapid Warming of the Sea. <i>Current Biology</i> , 2011, 21, 1565-1570.	1.8	208
7	Noise negatively affects foraging and antipredator behaviour in shore crabs. <i>Animal Behaviour</i> , 2013, 86, 111-118.	0.8	199
8	Coral Larvae Move toward Reef Sounds. <i>PLoS ONE</i> , 2010, 5, e10660.	1.1	161
9	Particle motion: the missing link in underwater acoustic ecology. <i>Methods in Ecology and Evolution</i> , 2016, 7, 836-842.	2.2	159
10	Anthropogenic noise compromises antipredator behaviour in European eels. <i>Global Change Biology</i> , 2015, 21, 586-593.	4.2	143
11	Acoustic noise reduces foraging success in two sympatric fish species via different mechanisms. <i>Animal Behaviour</i> , 2014, 89, 191-198.	0.8	137
12	Climate Change Drives Poleward Increases and Equatorward Declines in Marine Species. <i>Current Biology</i> , 2020, 30, 1572-1577.e2.	1.8	111
13	Size-dependent physiological responses of shore crabs to single and repeated playback of ship noise. <i>Biology Letters</i> , 2013, 9, 20121194.	1.0	105
14	A test of the senses: Fish select novel habitats by responding to multiple cues. <i>Ecology</i> , 2012, 93, 46-55.	1.5	100
15	Coral Reef Monitoring, Reef Assessment Technologies, and Ecosystem-Based Management. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	96
16	Future fish distributions constrained by depth in warming seas. <i>Nature Climate Change</i> , 2015, 5, 569-573.	8.1	94
17	Temperature-driven phenological changes within a marine larval fish assemblage. <i>Journal of Plankton Research</i> , 2010, 32, 699-708.	0.8	88
18	Anthropogenic noise playback impairs embryonic development and increases mortality in a marine invertebrate. <i>Scientific Reports</i> , 2014, 4, 5891.	1.6	85

#	ARTICLE	IF	CITATIONS
19	Repeated exposure to noise increases tolerance in a coral reef fish. <i>Environmental Pollution</i> , 2016, 216, 428-436.	3.7	81
20	Motorboat noise impacts parental behaviour and offspring survival in a reef fish. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20170143.	1.2	79
21	Extreme climatic events reduce ocean productivity and larval supply in a tropical reef ecosystem. <i>Global Change Biology</i> , 2011, 17, 1695-1702.	4.2	77
22	Habitat degradation negatively affects auditory settlement behavior of coral reef fishes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 5193-5198.	3.3	77
23	Increased Noise Levels Have Different Impacts on the Anti-Predator Behaviour of Two Sympatric Fish Species. <i>PLoS ONE</i> , 2014, 9, e102946.	1.1	76
24	Habitat quality affects sound production and likely distance of detection on coral reefs. <i>Marine Ecology - Progress Series</i> , 2014, 516, 35-47.	0.9	73
25	Soundscapes and living communities in coral reefs: temporal and spatial variation. <i>Marine Ecology - Progress Series</i> , 2015, 524, 125-135.	0.9	72
26	Causes and consequences of intraspecific variation in animal responses to anthropogenic noise. <i>Behavioral Ecology</i> , 2019, 30, 1501-1511.	1.0	67
27	Repeated exposure reduces the response to impulsive noise in European seabass. <i>Global Change Biology</i> , 2016, 22, 3349-3360.	4.2	65
28	Adaptive Avoidance of Reef Noise. <i>PLoS ONE</i> , 2011, 6, e16625.	1.1	55
29	Impacts of regular and random noise on the behaviour, growth and development of larval Atlantic cod (<i>Gadus morhua</i>). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20151943.	1.2	55
30	Prioritization of knowledge needs for sustainable aquaculture: a national and global perspective. <i>Fish and Fisheries</i> , 2015, 16, 668-683.	2.7	55
31	Long-Distance Dispersal via Ocean Currents Connects Omani Clownfish Populations throughout Entire Species Range. <i>PLoS ONE</i> , 2014, 9, e107610.	1.1	55
32	Dispersal without errors: symmetrical ears tune into the right frequency for survival. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008, 275, 527-534.	1.2	52
33	Changing storminess and global capture fisheries. <i>Nature Climate Change</i> , 2018, 8, 655-659.	8.1	52
34	Behavioral plasticity in larval reef fish: orientation is influenced by recent acoustic experiences. <i>Behavioral Ecology</i> , 2010, 21, 1098-1105.	1.0	51
35	Acoustic enrichment can enhance fish community development on degraded coral reef habitat. <i>Nature Communications</i> , 2019, 10, 5414.	5.8	49
36	Hormonal and behavioural effects of motorboat noise on wild coral reef fish. <i>Environmental Pollution</i> , 2020, 262, 114250.	3.7	49

#	ARTICLE	IF	CITATIONS
37	Ocean acidification boosts larval fish development but reduces the window of opportunity for successful settlement. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20151954.	1.2	47
38	Boat noise impacts risk assessment in a coral reef fish but effects depend on engine type. <i>Scientific Reports</i> , 2018, 8, 3847.	1.6	45
39	Condition-dependent physiological and behavioural responses to anthropogenic noise. <i>Physiology and Behavior</i> , 2016, 155, 157-161.	1.0	40
40	Rising CO2 enhances hypoxia tolerance in a marine fish. <i>Scientific Reports</i> , 2019, 9, 15152.	1.6	40
41	School is out on noisy reefs: the effect of boat noise on predator learning and survival of juvenile coral reef fishes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20180033.	1.2	32
42	Small-Boat Noise Impacts Natural Settlement Behavior of Coral Reef Fish Larvae. <i>Advances in Experimental Medicine and Biology</i> , 2016, 875, 1041-1048.	0.8	29
43	Impact of motorboats on fish embryos depends on engine type. , 2018, 6, coy014.		29
44	Redundancy in metrics describing the composition, structure, and functioning of the North Sea demersal fish community. <i>ICES Journal of Marine Science</i> , 2012, 69, 8-22.	1.2	28
45	Effects of multiple stressors on fish shoal collective motion are independent and vary with shoaling metric. <i>Animal Behaviour</i> , 2020, 168, 7-17.	0.8	28
46	Rapid recovery following short-term acoustic disturbance in two fish species. <i>Royal Society Open Science</i> , 2016, 3, 150686.	1.1	27
47	Fish in habitats with higher motorboat disturbance show reduced sensitivity to motorboat noise. <i>Biology Letters</i> , 2018, 14, 20180441.	1.0	27
48	Modelling larval dispersal and behaviour of coral reef fishes. <i>Ecological Complexity</i> , 2013, 16, 68-76.	1.4	26
49	Motorboat noise disrupts co-operative interspecific interactions. <i>Scientific Reports</i> , 2017, 7, 6987.	1.6	26
50	Can we project changes in fish abundance and distribution in response to climate?. <i>Global Change Biology</i> , 2020, 26, 3891-3905.	4.2	25
51	The sound of recovery: Coral reef restoration success is detectable in the soundscape. <i>Journal of Applied Ecology</i> , 2022, 59, 742-756.	1.9	25
52	Assessing and mitigating impacts of motorboat noise on nesting damselfish. <i>Environmental Pollution</i> , 2020, 266, 115376.	3.7	20
53	HydroMoth: Testing a prototype low-cost acoustic recorder for aquatic environments. <i>Remote Sensing in Ecology and Conservation</i> , 2022, 8, 362-378.	2.2	19
54	Limiting motorboat noise on coral reefs boosts fish reproductive success. <i>Nature Communications</i> , 2022, 13, .	5.8	19

#	ARTICLE	IF	CITATIONS
55	Effect of elevated CO ₂ and small boat noise on the kinematics of predator-prey interactions. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20172650.	1.2	17
56	Region-wide changes in marine ecosystem dynamics: state-space models to distinguish trends from step changes. <i>Global Change Biology</i> , 2012, 18, 1270-1281.	4.2	16
57	Non-native marine species in north-west Europe: Developing an approach to assess future spread using regional downscaled climate projections. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2017, 27, 1035-1050.	0.9	15
58	Painted Goby Larvae under High-CO ₂ Fail to Recognize Reef Sounds. <i>PLoS ONE</i> , 2017, 12, e0170838.	1.1	15
59	Low-cost action cameras offer potential for widespread acoustic monitoring of marine ecosystems. <i>Ecological Indicators</i> , 2021, 129, 107957.	2.6	14
60	Historical Arctic Logbooks Provide Insights into Past Diets and Climatic Responses of Cod. <i>PLoS ONE</i> , 2015, 10, e0135418.	1.1	13
61	Enhancing automated analysis of marine soundscapes using ecoacoustic indices and machine learning. <i>Ecological Indicators</i> , 2022, 140, 108986.	2.6	13
62	Who's hot and who's not: ocean warming alters species dominance through competitive displacement. <i>Journal of Animal Ecology</i> , 2013, 82, 287-289.	1.3	12
63	Anthropogenic underwater vibrations are sensed and stressful for the shore crab <i>Carcinus maenas</i> . <i>Environmental Pollution</i> , 2021, 285, 117148.	3.7	12
64	Projected impacts of warming seas on commercially fished species at a biogeographic boundary of the European continental shelf. <i>Journal of Applied Ecology</i> , 2020, 57, 2222-2233.	1.9	11
65	Beyond a Simple Effect: Variable and Changing Responses to Anthropogenic Noise. <i>Advances in Experimental Medicine and Biology</i> , 2016, 875, 901-907.	0.8	10
66	Rapid blood acid-base regulation by European sea bass (<i>Dicentrarchus labrax</i>) in response to sudden exposure to high environmental CO ₂ . <i>Journal of Experimental Biology</i> , 2022, 225, .	0.8	10
67	Never Off the Hook—How Fishing Subverts Predator-Prey Relationships in Marine Teleosts. <i>Frontiers in Ecology and Evolution</i> , 2018, 6, .	1.1	9
68	Trade-offs between physical risk and economic reward affect fishers' vulnerability to changing storminess. <i>Global Environmental Change</i> , 2021, 69, 102228.	3.6	9
69	Effects of Previous Acoustic Experience on Behavioral Responses to Experimental Sound Stimuli and Implications for Research. <i>Advances in Experimental Medicine and Biology</i> , 2016, 875, 1191-1196.	0.8	7
70	The impact of experimental impact pile driving on oxygen uptake in black seabream and plaice. <i>Proceedings of Meetings on Acoustics</i> , 2016, , .	0.3	6
71	Pile-Driving Noise Impairs Antipredator Behavior of the European Sea Bass <i>Dicentrarchus labrax</i> . <i>Advances in Experimental Medicine and Biology</i> , 2016, 875, 273-279.	0.8	5
72	Combined impacts of elevated CO ₂ and anthropogenic noise on European sea bass (<i>Dicentrarchus</i>)	1.2	5

#	ARTICLE	IF	CITATIONS
73	Developments in the application of photography to ecological monitoring, with reference to algal beds. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2001, 11, 123-135.	0.9	4
74	Historical Processes and Contemporary Anthropogenic Activities Influence Genetic Population Dynamics of Nassau Grouper (<i>Epinephelus striatus</i>) within The Bahamas. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	4
75	THE SOUNDS OF THE REEF: CAN WE LEARN TO LISTEN BEFORE IT IS TOO LATE?. <i>Bioacoustics</i> , 2008, 17, 28-29.	0.7	3
76	In a noisy world, some animals are more equal than others: a response to comments on Harding et al.. <i>Behavioral Ecology</i> , 2019, 30, 1516-1517.	1.0	3
77	High temporal resolution sampling reveals reef fish settlement is highly clustered. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2018, 75, 560-568.	0.7	2
78	Drivers and implications of change in an inshore multi-species fishery. <i>ICES Journal of Marine Science</i> , 2021, 78, 1815-1825.	1.2	1
79	The Good, The Bad, and The Distant: Soundscape Cues for Larval Fish. <i>Advances in Experimental Medicine and Biology</i> , 2016, 875, 829-837.	0.8	1
80	Playback Experiments for Noise Exposure. <i>Advances in Experimental Medicine and Biology</i> , 2016, 875, 461-466.	0.8	0