

Christine Erbe

List of Publications by Year in descending order

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Version: 2024-02-01

83
papers

3,148
citations

218677

26
h-index

168389

53
g-index

111
all docs

111
docs citations

111
times ranked

2079
citing authors

#	ARTICLE	IF	CITATIONS
1	The soundscape of the Anthropocene ocean. <i>Science</i> , 2021, 371, .	12.6	376
2	Communication masking in marine mammals: A review and research strategy. <i>Marine Pollution Bulletin</i> , 2016, 103, 15-38.	5.0	289
3	Impacts of anthropogenic noise on marine life: Publication patterns, new discoveries, and future directions in research and management. <i>Ocean and Coastal Management</i> , 2015, 115, 17-24.	4.4	267
4	UNDERWATER NOISE OF WHALE-WATCHING BOATS AND POTENTIAL EFFECTS ON KILLER WHALES (<i>ORCINUS</i>) Tj ETQq0 0 0,rgBT /Over	1.8	217
5	The Effects of Ship Noise on Marine Mammalsâ€”A Review. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	193
6	Mapping cumulative noise from shipping to inform marine spatial planning. <i>Journal of the Acoustical Society of America</i> , 2012, 132, EL423-EL428.	1.1	138
7	The marine soundscape of the Perth Canyon. <i>Progress in Oceanography</i> , 2015, 137, 38-51.	3.2	100
8	Quiet(er) marine protected areas. <i>Marine Pollution Bulletin</i> , 2015, 100, 154-161.	5.0	94
9	Identifying Modeled Ship Noise Hotspots for Marine Mammals of Canada's Pacific Region. <i>PLoS ONE</i> , 2014, 9, e89820.	2.5	75
10	Zones of impact around icebreakers affecting beluga whales in the Beaufort Sea. <i>Journal of the Acoustical Society of America</i> , 2000, 108, 1332.	1.1	68
11	An International Quiet Ocean Experiment. <i>Oceanography</i> , 2011, 24, 174-181.	1.0	67
12	Severity of killer whale behavioral responses to ship noise: A doseâ€”response study. <i>Marine Pollution Bulletin</i> , 2014, 79, 254-260.	5.0	67
13	Effects of vessel traffic and underwater noise on the movement, behaviour and vocalisations of bottlenose dolphins in an urbanised estuary. <i>Scientific Reports</i> , 2017, 7, 13437.	3.3	56
14	Effects of Noise on Marine Mammals. <i>Springer Handbook of Auditory Research</i> , 2018, , 277-309.	0.7	53
15	Review of Underwater and In-Air Sounds Emitted by Australian and Antarctic Marine Mammals. <i>Acoustics Australia</i> , 2017, 45, 179-241.	2.4	49
16	Masked hearing thresholds of a beluga whale (<i>Delphinapterus leucas</i>) in icebreaker noise. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 1998, 45, 1373-1388.	1.4	46
17	Automatic detection of marine mammals using information entropy. <i>Journal of the Acoustical Society of America</i> , 2008, 124, 2833-2840.	1.1	46
18	Critical ratios of beluga whales (<i>Delphinapterus leucas</i>) and masked signal duration. <i>Journal of the Acoustical Society of America</i> , 2008, 124, 2216-2223.	1.1	41

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19	Underwater noise from airplanes: An overlooked source of ocean noise. <i>Marine Pollution Bulletin</i> , 2018, 137, 656-661.	5.0	35
20	Underwater noise of small personal watercraft (jet skis). <i>Journal of the Acoustical Society of America</i> , 2013, 133, EL326-EL330.	1.1	33
21	Managing the Effects of Noise From Ship Traffic, Seismic Surveying and Construction on Marine Mammals in Antarctica. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	33
22	Effects of Underwater Noise on Marine Mammals. <i>Advances in Experimental Medicine and Biology</i> , 2012, 730, 17-22.	1.6	32
23	Detection of whale calls in noise: Performance comparison between a beluga whale, human listeners, and a neural network. <i>Journal of the Acoustical Society of America</i> , 2000, 108, 297-303.	1.1	31
24	A software model to estimate zones of impact on marine mammals around anthropogenic noise. <i>Journal of the Acoustical Society of America</i> , 2000, 108, 1327.	1.1	31
25	Underwater sound of rigid-hulled inflatable boats. <i>Journal of the Acoustical Society of America</i> , 2016, 139, EL223-EL227.	1.1	31
26	Patterns of biophonic periodicity on coral reefs in the Great Barrier Reef. <i>Scientific Reports</i> , 2017, 7, 17459.	3.3	31
27	Sounding the Call for a Global Library of Underwater Biological Sounds. <i>Frontiers in Ecology and Evolution</i> , 2022, 10, .	2.2	28
28	Developing an Underwater Sound Recorder: The Long and Short (Time) of It.... <i>Acoustics Australia</i> , 2017, 45, 301-311.	2.4	27
29	Soundscape diversity in the Great Barrier Reef: Lizard Island, a case study. <i>Bioacoustics</i> , 2018, 27, 295-311.	1.7	26
30	Underwater noise from offshore oil production vessels. <i>Journal of the Acoustical Society of America</i> , 2013, 133, EL465-EL470.	1.1	24
31	Killer Whale (<i>Orcinus orca</i>) Predation on Beaked Whales (<i>Mesoplodon</i> spp.) in the Bremer Sub-Basin, Western Australia. <i>PLoS ONE</i> , 2016, 11, e0166670.	2.5	24
32	Issues associated with sound exposure experiments in tanks. <i>Proceedings of Meetings on Acoustics</i> , 2016, , .	0.3	22
33	Occupancy of bottlenose dolphins (<i>Tursiops aduncus</i>) in relation to vessel traffic, dredging, and environmental variables within a highly urbanised estuary. <i>Hydrobiologia</i> , 2017, 792, 243-263.	2.0	22
34	Vocalisations of Killer Whales (<i>Orcinus orca</i>) in the Bremer Canyon, Western Australia. <i>PLoS ONE</i> , 2015, 10, e0136535.	2.5	21
35	Underwater Sound in an Urban Estuarine River: Sound Sources, Soundscape Contribution, and Temporal Variability. <i>Acoustics Australia</i> , 2016, 44, 171-186.	2.4	21
36	Aerial and underwater sound of unmanned aerial vehicles (UAV, drones). <i>Journal of Unmanned Vehicle Systems</i> , 0, , .	1.2	21

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37	Whistle Characteristics of Indo-Pacific Bottlenose Dolphins (<i>Tursiops aduncus</i>) in the Fremantle Inner Harbour, Western Australia. <i>Acoustics Australia</i> , 2016, 44, 159-169.	2.4	20
38	Cold call: the acoustic repertoire of Ross Sea killer whales (<i>Orcinus orca</i> , Type C) in McMurdo Sound, Antarctica. <i>Royal Society Open Science</i> , 2020, 7, 191228.	2.4	19
39	A Review and Meta-Analysis of Underwater Noise Radiated by Small (<25 m Length) Vessels. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 827.	2.6	19
40	Spatial and Temporal Variation in the Acoustic Habitat of Bottlenose Dolphins (<i>Tursiops aduncus</i>) within a Highly Urbanized Estuary. <i>Frontiers in Marine Science</i> , 2017, 4, .	2.5	18
41	Reducing vessel noise: An example of a solar-electric passenger ferry. <i>Journal of the Acoustical Society of America</i> , 2020, 147, 3575-3583.	1.1	18
42	Modeling cumulative sound exposure around marine seismic surveys. <i>Journal of the Acoustical Society of America</i> , 2009, 125, 2443-2451.	1.1	17
43	Automatic detection of echolocation clicks based on a Gabor model of their waveform. <i>Journal of the Acoustical Society of America</i> , 2015, 137, 3077-3086.	1.1	16
44	Computer models for masked hearing experiments with beluga whales (<i>Delphinapterus leucas</i>). <i>Journal of the Acoustical Society of America</i> , 1999, 105, 2967-2978.	1.1	14
45	Acoustic characterisation of bycatch mitigation pingers on shark control nets in Queensland, Australia. <i>Endangered Species Research</i> , 2012, 19, 109-121.	2.4	13
46	A Tale of Two Soundscapes: Comparing the Acoustic Characteristics of Urban Versus Pristine Coastal Dolphin Habitats in Western Australia. <i>Acoustics Australia</i> , 2017, 45, 159-178.	2.4	12
47	Chronic ocean noise and cetacean population models. <i>Journal of Cetacean Research and Management</i> , 2020, 21, .	0.4	12
48	Long-term monitoring of soundscapes and deciphering a usable index: Examples of fish choruses from Australia. <i>Proceedings of Meetings on Acoustics</i> , 2016, , .	0.3	11
49	Underwater noise from geotechnical drilling and standard penetration testing. <i>Journal of the Acoustical Society of America</i> , 2017, 142, EL281-EL285.	1.1	11
50	Non-song Vocalizations of Humpback Whales in Western Australia. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	11
51	Underwater Acoustic Signatures of Recreational Swimmers, Divers, Surfers and Kayakers. <i>Acoustics Australia</i> , 2016, 44, 333-341.	2.4	10
52	Characterizing Marine Soundscapes. <i>Advances in Experimental Medicine and Biology</i> , 2016, 875, 265-271.	1.6	10
53	Australian long-finned pilot whales (<i>Globicephala melas</i>) emit stereotypical, variable, biphonic, multi-component, and sequenced vocalisations, similar to those recorded in the northern hemisphere. <i>Scientific Reports</i> , 2020, 10, 20609.	3.3	10
54	Introduction to the special issue on the effects of sound on aquatic life. <i>Journal of the Acoustical Society of America</i> , 2020, 148, 934-938.	1.1	9

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55	It Often Howls More than It Chugs: Wind versus Ship Noise Under Water in Australia's Maritime Regions. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 472.	2.6	9
56	Underwater recordings of the whistles of bottlenose dolphins in Fremantle Inner Harbour, Western Australia. <i>Scientific Data</i> , 2017, 4, 170126.	5.3	8
57	Minding the Data-Gap Trap: Exploring Dynamics of Abundant Dolphin Populations Under Uncertainty. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	8
58	Effect on Ocean Noise: Nyepi, a Balinese Day of Silence. <i>Oceanography</i> , 2018, 31, .	1.0	7
59	Editorial: Impacts of Shipping on Marine Fauna. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	7
60	Automatic detectors for low-frequency vocalizations of Omura's whales, <i>Balaenoptera omurai</i> : A performance comparison. <i>Journal of the Acoustical Society of America</i> , 2020, 147, 3078-3090.	1.1	7
61	Seasonal productivity drives aggregations of killer whales and other cetaceans over submarine canyons of the Bremer Sub-Basin, south-western Australia. <i>Australian Mammalogy</i> , 2021, 43, 168.	1.1	7
62	Underwater Chatter for the Win: A First Assessment of Underwater Soundscapes in Two Bays along the Eastern Cape Coast of South Africa. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 746.	2.6	7
63	Marine Acoustic Zones of Australia. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 340.	2.6	6
64	The Maskogram: A Tool to Illustrate Zones of Masking. <i>Aquatic Mammals</i> , 2015, 41, 434-443.	0.7	6
65	Underwater particle motion (acceleration, velocity and displacement) from recreational swimmers, divers, surfers and kayakers. <i>Acoustics Australia</i> , 2017, 45, 293-299.	2.4	5
66	Comparison of soundscape contributors between two neighboring southern right whale nursing areas along the South African coast. <i>Proceedings of Meetings on Acoustics</i> , 2016, , .	0.3	4
67	Overview of the Fourth International Conference on the Effects of Noise on Aquatic Life. <i>Proceedings of Meetings on Acoustics</i> , 2016, , .	0.3	4
68	Summary Report Panel 1: The Need for Protocols and Standards in Research on Underwater Noise Impacts on Marine Life. <i>Advances in Experimental Medicine and Biology</i> , 2016, 875, 1265-1271.	1.6	4
69	Above and below: Military Aircraft Noise in Air and under Water at Whidbey Island, Washington. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 923.	2.6	4
70	A generic system for the automatic extraction of narrowband signals of biological origin in underwater audio. <i>Proceedings of Meetings on Acoustics</i> , 2016, , .	0.3	3
71	Overview of the Fifth International Conference on the Effects of Noise on Aquatic Life. <i>Proceedings of Meetings on Acoustics</i> , 2019, , .	0.3	3
72	Matching Signature Whistles with Photo-Identification of Indo-Pacific Bottlenose Dolphins (<i>Tursiops</i>) Tj ETQq0 0 0 ggBT /Overlock 10 Tf	2.4	3

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73	Seasonal Distribution of the Fin Whale (<i>Balaenoptera physalus</i>) in Antarctic and Australian Waters Based on Passive Acoustics. <i>Frontiers in Marine Science</i> , 2022, 9, .	2.5	3
74	Revisiting acoustic deterrence devices: Long-term bycatch data from South Africa's bather protection nets. <i>Proceedings of Meetings on Acoustics</i> , 2016, , .	0.3	2
75	Marine Mammal Acoustics Exposure Analysis Models Used in US Navy Environmental Impact Statements. <i>Advances in Experimental Medicine and Biology</i> , 2012, 730, 551-556.	1.6	2
76	Auditory masking of whale communication by ship noise. <i>Journal of the Acoustical Society of America</i> , 1996, 100, 2611-2611.	1.1	2
77	Zones of masking around icebreakers affecting beluga whales. <i>Journal of the Acoustical Society of America</i> , 1997, 102, 3102-3102.	1.1	2
78	A General Purpose Automatic Detector of Broadband Transient Signals in Underwater Audio. , 2018, , .		1
79	Modeling Cumulative Sound Exposure Over Large Areas, Multiple Sources, and Long Durations. <i>Advances in Experimental Medicine and Biology</i> , 2012, 730, 477-479.	1.6	1
80	ASSESSING THE IMPACT OF UNDERWATER NOISE ON MARINE FAUNA: A SOFTWARE TOOL. <i>Bioacoustics</i> , 2008, 17, 241-243.	1.7	0
81	Principles of Marine Bioacoustics by W.W. L. Au and M. C. Hastings. <i>Marine Mammal Science</i> , 2009, 25, 755-757.	1.8	0
82	Streamlining the Environmental Impact Assessment Process of Underwater Noise from Petroleum Exploration & Production Operations. , 2012, , .		0
83	Monitoring and Mitigating Bioacoustic Impacts from Seismic Surveys - The Australian Perspective. , 2013, , .		0