

Alexander Gavrilov

List of Publications by Year in descending order

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papers

802
citations

516710

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37
docs citations

37
times ranked

666
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparing the Acoustic Behaviour of the Eastern Indian Ocean Pygmy Blue Whale on Two Australian Feeding Grounds. <i>Acoustics Australia</i> , 2021, 49, 331-344.	2.4	4
2	Characterization of impact pile driving signals during installation of offshore wind turbine foundations. <i>Journal of the Acoustical Society of America</i> , 2020, 147, 2323-2333.	1.1	23
3	Song variation of the South Eastern Indian Ocean pygmy blue whale population in the Perth Canyon, Western Australia. <i>PLoS ONE</i> , 2019, 14, e0208619.	2.5	13
4	The CMST Airgun Array Model – A Simple Approach to Modeling the Underwater Sound Output From Seismic Airgun Arrays. <i>IEEE Journal of Oceanic Engineering</i> , 2019, 44, 589-597.	3.8	5
5	Underwater Sound Sources and Ambient Noise in Fowlers Bay, South Australia, during the Austral Winter. <i>Acoustics Australia</i> , 2019, 47, 21-32.	2.4	5
6	Propagation of Underwater Noise from an Offshore Seismic Survey in Australia to Antarctica: Measurements and Modelling. <i>Acoustics Australia</i> , 2018, 46, 143-149.	2.4	5
7	A General Purpose Automatic Detector of Broadband Transient Signals in Underwater Audio. , 2018, , .		1
8	Southbound migration corridor of pygmy blue whales off the northwest coast of Australia based on data from ocean bottom seismographs. <i>Journal of the Acoustical Society of America</i> , 2018, 144, EL281-EL285.	1.1	5
9	Fluctuations of the peak pressure level of man-made impulsive sound signals propagating in the ocean. <i>Journal of the Acoustical Society of America</i> , 2017, 141, 661-668.	1.1	3
10	“Spot” call: A common sound from an unidentified great whale in Australian temperate waters. <i>Journal of the Acoustical Society of America</i> , 2017, 142, EL231-EL236.	1.1	16
11	Developing an Underwater Sound Recorder: The Long and Short (Time) of It.... <i>Acoustics Australia</i> , 2017, 45, 301-311.	2.4	27
12	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
13	Low-Frequency Acoustic Propagation Modelling for Australian Range-Independent Environments. <i>Acoustics Australia</i> , 2017, 45, 331-341.	2.4	3
14	Sound radiation from impact-driven raked piles. <i>Journal of the Acoustical Society of America</i> , 2017, 142, 1-11.	1.1	12
15	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
16	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
17	Characterizing diversity and variation in fish choruses in Darwin Harbour. <i>ICES Journal of Marine Science</i> , 2016, 73, 2058-2074.	2.5	43
18	COMPILE – A Generic Benchmark Case for Predictions of Marine Pile-Driving Noise. <i>IEEE Journal of Oceanic Engineering</i> , 2016, 41, 1061-1071.	3.8	31

#	ARTICLE	IF	CITATIONS
19	Numerical Modeling of Radiated Sound for Impact Pile Driving in Offshore Environments. IEEE Journal of Oceanic Engineering, 2016, 41, 1072-1078.	3.8	12
20	Characterizing Marine Soundscapes. Advances in Experimental Medicine and Biology, 2016, 875, 265-271.	1.6	10
21	Automatic detection of echolocation clicks based on a Gabor model of their waveform. Journal of the Acoustical Society of America, 2015, 137, 3077-3086.	1.1	16
22	Empirical estimation of peak pressure level from sound exposure level. Part II: Offshore impact pile driving noise. Journal of the Acoustical Society of America, 2015, 138, EL287-EL292.	1.1	10
23	Empirical prediction of peak pressure levels in anthropogenic impulsive noise. Part I: Airgun arrays signals. Journal of the Acoustical Society of America, 2015, 138, EL540-EL544.	1.1	6
24	The marine soundscape of the Perth Canyon. Progress in Oceanography, 2015, 137, 38-51.	3.2	100
25	Characteristics of sound propagation in shallow water over an elastic seabed with a thin cap-rock layer. Journal of the Acoustical Society of America, 2013, 134, 207-215.	1.1	24
26	Underwater noise from offshore oil production vessels. Journal of the Acoustical Society of America, 2013, 133, EL465-EL470.	1.1	24
27	Steady inter and intra-annual decrease in the vocalization frequency of Antarctic blue whales. Journal of the Acoustical Society of America, 2012, 131, 4476-4480.	1.1	71
28	High-frequency multibeam echo-sounder measurements of seafloor backscatter in shallow water: Part 2 – Mosaic production, analysis and classification. Underwater Technology, 2011, 30, 13-26.	0.3	25
29	High-frequency multibeam echo-sounder measurements of seafloor backscatter in shallow water: Part 1 – Data acquisition and processing. Underwater Technology, 2011, 30, 3-12.	0.3	33
30	Vocal characteristics of pygmy blue whales and their change over time. Journal of the Acoustical Society of America, 2011, 130, 3651-3660.	1.1	66
31	Fluctuations of Seafloor Backscatter Data From Multibeam Sonar Systems. IEEE Journal of Oceanic Engineering, 2010, 35, 209-219.	3.8	28
32	Low-frequency acoustic propagation loss in the Arctic Ocean: Results of the Arctic climate observations using underwater sound experiment. Journal of the Acoustical Society of America, 2006, 119, 3694-3706.	1.1	41
33	Acoustic thermometry in the Arctic Ocean. Polar Research, 2001, 20, 185-192.	1.6	19
34	The Transarctic Acoustic Propagation Experiment and climate monitoring in the Arctic. IEEE Journal of Oceanic Engineering, 1999, 24, 183-201.	3.8	60
35	Theoretical and experimental investigations of the feasibility of acoustic thermometry of climatic changes in the Arctic Ocean. Physics-Uspekhi, 1995, 38, 797-802.	2.2	2
36	Experiment tests use of acoustics to monitor temperature and ice in Arctic Ocean. Eos, 1995, 76, 265-265.	0.1	31

#	ARTICLE	IF	CITATIONS
37	Heard Island Feasibility Test: Long-range sound transmission from Heard Island to Krylov underwater mountain. <i>Journal of the Acoustical Society of America</i> , 1994, 96, 2458-2463.	1.1	9