

Alexander Gavrilov

List of Publications by Year in descending order

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37
papers

802
citations

516710

16
h-index

526287

27
g-index

37
all docs

37
docs citations

37
times ranked

666
citing authors

#	ARTICLE	IF	CITATIONS
1	The marine soundscape of the Perth Canyon. <i>Progress in Oceanography</i> , 2015, 137, 38-51.	3.2	100
2	Steady inter and intra-annual decrease in the vocalization frequency of Antarctic blue whales. <i>Journal of the Acoustical Society of America</i> , 2012, 131, 4476-4480.	1.1	71
3	Vocal characteristics of pygmy blue whales and their change over time. <i>Journal of the Acoustical Society of America</i> , 2011, 130, 3651-3660.	1.1	66
4	The Transarctic Acoustic Propagation Experiment and climate monitoring in the Arctic. <i>IEEE Journal of Oceanic Engineering</i> , 1999, 24, 183-201.	3.8	60
5	Characterizing diversity and variation in fish choruses in Darwin Harbour. <i>ICES Journal of Marine Science</i> , 2016, 73, 2058-2074.	2.5	43
6	Low-frequency acoustic propagation loss in the Arctic Ocean: Results of the Arctic climate observations using underwater sound experiment. <i>Journal of the Acoustical Society of America</i> , 2006, 119, 3694-3706.	1.1	41
7	High-frequency multibeam echo-sounder measurements of seafloor backscatter in shallow water: Part 1 "Data acquisition and processing. <i>Underwater Technology</i> , 2011, 30, 3-12.	0.3	33
8	Experiment tests use of acoustics to monitor temperature and ice in Arctic Ocean. <i>Eos</i> , 1995, 76, 265-265.	0.1	31
9	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
10	Fluctuations of Seafloor Backscatter Data From Multibeam Sonar Systems. <i>IEEE Journal of Oceanic Engineering</i> , 2010, 35, 209-219.	3.8	28
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	High-frequency multibeam echo-sounder measurements of seafloor backscatter in shallow water: Part 2 "Mosaic production, analysis and classification. <i>Underwater Technology</i> , 2011, 30, 13-26.	0.3	25
13	Characteristics of sound propagation in shallow water over an elastic seabed with a thin cap-rock layer. <i>Journal of the Acoustical Society of America</i> , 2013, 134, 207-215.	1.1	24
14	Underwater noise from offshore oil production vessels. <i>Journal of the Acoustical Society of America</i> , 2013, 133, EL465-EL470.	1.1	24
15	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
16	Acoustic thermometry in the Arctic Ocean. <i>Polar Research</i> , 2001, 20, 185-192.	1.6	19
17	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
18	"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

#	ARTICLE	IF	CITATIONS
19	Song variation of the South Eastern Indian Ocean pygmy blue whale population in the Perth Canyon, Western Australia. PLoS ONE, 2019, 14, e0208619.	2.5	13
20	Numerical Modeling of Radiated Sound for Impact Pile Driving in Offshore Environments. IEEE Journal of Oceanic Engineering, 2016, 41, 1072-1078.	3.8	12
21	Sound radiation from impact-driven raked piles. Journal of the Acoustical Society of America, 2017, 142, 1-11.	1.1	12
22	Long-term monitoring of soundscapes and deciphering a usable index: Examples of fish choruses from Australia. Proceedings of Meetings on Acoustics, 2016, , .	0.3	11
23	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
24	Characterizing Marine Soundscapes. Advances in Experimental Medicine and Biology, 2016, 875, 265-271.	1.6	10
25	Heard Island Feasibility Test: Long-range sound transmission from Heard Island to Krylov underwater mountain. Journal of the Acoustical Society of America, 1994, 96, 2458-2463.	1.1	9
26	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
27	Underwater particle motion (acceleration, velocity and displacement) from recreational swimmers, divers, surfers and kayakers. Acoustics Australia, 2017, 45, 293-299.	2.4	5
28	Propagation of Underwater Noise from an Offshore Seismic Survey in Australia to Antarctica: Measurements and Modelling. Acoustics Australia, 2018, 46, 143-149.	2.4	5
29	Southbound migration corridor of pygmy blue whales off the northwest coast of Australia based on data from ocean bottom seismographs. Journal of the Acoustical Society of America, 2018, 144, EL281-EL285.	1.1	5
30	The CMST Airgun Array Model – A Simple Approach to Modeling the Underwater Sound Output From Seismic Airgun Arrays. IEEE Journal of Oceanic Engineering, 2019, 44, 589-597.	3.8	5
31	Underwater Sound Sources and Ambient Noise in Fowlers Bay, South Australia, during the Austral Winter. Acoustics Australia, 2019, 47, 21-32.	2.4	5
32	Comparing the Acoustic Behaviour of the Eastern Indian Ocean Pygmy Blue Whale on Two Australian Feeding Grounds. Acoustics Australia, 2021, 49, 331-344.	2.4	4
33	A generic system for the automatic extraction of narrowband signals of biological origin in underwater audio. Proceedings of Meetings on Acoustics, 2016, , .	0.3	3
34	Fluctuations of the peak pressure level of man-made impulsive sound signals propagating in the ocean. Journal of the Acoustical Society of America, 2017, 141, 661-668.	1.1	3
35	Low-Frequency Acoustic Propagation Modelling for Australian Range-Independent Environments. Acoustics Australia, 2017, 45, 331-341.	2.4	3
36	Theoretical and experimental investigations of the feasibility of acoustic thermometry of climatic changes in the Arctic Ocean. Physics-Usppekhi, 1995, 38, 797-802.	2.2	2

#	ARTICLE	IF	CITATIONS
37	A General Purpose Automatic Detector of Broadband Transient Signals in Underwater Audio. , 2018, , .		1