Dick G Simons

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9778418/publications.pdf

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25	563	623734	642732
papers	citations	14 h-index	23 g-index

25	25	25	406
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Bayesian approach to seafloor classification using multi-beam echo-sounder backscatter data. Applied Acoustics, 2009, 70, 1258-1268.	3.3	102
2	Riverbed sediment classification using multi-beam echo-sounder backscatter data. Journal of the Acoustical Society of America, 2009, 126, 1724-1738.	1.1	53
3	A Multispectral Bayesian Classification Method for Increased Acoustic Discrimination of Seabed Sediments Using Multi-Frequency Multibeam Backscatter Data. Geosciences (Switzerland), 2018, 8, 455.	2.2	45
4	Enhanced HR-CLEAN-SC for resolving multiple closely spaced sound sources. International Journal of Aeroacoustics, 2019, 18, 392-413.	1.3	37
5	Improving riverbed sediment classification using backscatter and depth residual features of multi-beam echo-sounder systems. Journal of the Acoustical Society of America, 2012, 131, 3710-3725.	1.1	34
6	Performance of Multibeam Echosounder Backscatter-Based Classification for Monitoring Sediment Distributions Using Multitemporal Large-Scale Ocean Data Sets. IEEE Journal of Oceanic Engineering, 2019, 44, 142-155.	3.8	33
7	Mapping the Seabed and Shallow Subsurface with Multi-Frequency Multibeam Echosounders. Remote Sensing, 2020, 12, 52.	4.0	32
8	Observations regarding coarse sediment classification based on multi-beam echo-sounder's backscatter strength and depth residuals in Dutch rivers. Journal of the Acoustical Society of America, 2014, 135, 3305-3315.	1.1	28
9	Experimental characterization of noise radiation from a ducted propeller of an unmanned aerial vehicle. International Journal of Aeroacoustics, 2019, 18, 372-391.	1.3	26
10	On the use of global optimization methods for acoustic source mapping. Journal of the Acoustical Society of America, 2017, 141, 453-465.	1.1	22
11	Geostatistical modelling of multibeam backscatter for full-coverage seabed sediment maps. Hydrobiologia, 2019, 845, 55-79.	2.0	21
12	Discovery of Sabellaria spinulosa reefs in an intensively fished area of the Dutch Continental Shelf, North Sea. Journal of Sea Research, 2019, 144, 85-94.	1.6	21
13	Multi-angle backscatter classification and sub-bottom profiling for improved seafloor characterization. Marine Geophysical Researches, 2018, 39, 289-306.	1.2	17
14	Seafloor Classification in a Sand Wave Environment on the Dutch Continental Shelf Using Multibeam Echosounder Backscatter Data. Geosciences (Switzerland), 2019, 9, 142.	2.2	17
15	An Object-Based Image Analysis Approach Using Bathymetry and Bathymetric Derivatives to Classify the Seafloor. Geosciences (Switzerland), 2021, 11, 45.	2.2	13
16	Assessing the shielding of engine noise by the wings for current aircraft using model predictions and measurements. Journal of the Acoustical Society of America, 2018, 143, 388-398.	1.1	11
17	Analysis of shielding of propeller noise using beamforming and predictions. Journal of the Acoustical Society of America, 2019, 146, 1085-1098.	1.1	11
18	Assessing the Performance of the Multi-Beam Echo-Sounder Bathymetric Uncertainty Prediction Model. Applied Sciences (Switzerland), 2020, 10, 4671.	2.5	9

#	Article	IF	Citations
19	Multi-beam echo-sounder bathymetric measurements: Implications of using frequency modulated pulses. Journal of the Acoustical Society of America, 2018, 144, 842-860.	1.1	7
20	Weather-Dependent Airport Noise Contour Prediction Concept Based on Ray Tracing. Journal of Aircraft, 2014, 51, 1351-1359.	2.4	6
21	Seafloor Characterization Using Multibeam Echosounder Backscatter Data: Methodology and Results in the North Sea. Geosciences (Switzerland), 2019, 9, 292.	2.2	5
22	Using global optimization methods for three-dimensional localization and quantification of incoherent acoustic sources. JASA Express Letters, 2022, 2, .	1.1	5
23	Measuring Centimeter-Scale Sand Ripples Using Multibeam Echosounder Backscatter Data from the Brown Bank Area of the Dutch Continental Shelf. Geosciences (Switzerland), 2020, 10, 495.	2.2	4
24	Assessing the Performance of the Phase Difference Bathymetric Sonar Depth Uncertainty Prediction Model. Remote Sensing, 2022, 14, 2011.	4.0	4
25	A multi-sensor approach for remotely modeling and mapping sediment properties. , 2013, , .		0