Dick G Simons

List of Publications by Year
in descending order

25 papers	563 citations	623734 14 h-index	642732 23 g-index
25 all docs	25 docs citations	25 times ranked	406 citing authors

#	Article	IF	Citations
1	Assessing the Performance of the Phase Difference Bathymetric Sonar Depth Uncertainty Prediction Model. Remote Sensing, 2022, 14, 2011.	4.0	4
2	Using global optimization methods for three-dimensional localization and quantification of incoherent acoustic sources. JASA Express Letters, 2022, 2, .	1.1	5
3	An Object-Based Image Analysis Approach Using Bathymetry and Bathymetric Derivatives to Classify the Seafloor. Geosciences (Switzerland), 2021, 11, 45.	2.2	13
4	Assessing the Performance of the Multi-Beam Echo-Sounder Bathymetric Uncertainty Prediction Model. Applied Sciences (Switzerland), 2020, 10, 4671.	2.5	9
5	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
6	Mapping the Seabed and Shallow Subsurface with Multi-Frequency Multibeam Echosounders. Remote Sensing, 2020, 12, 52.	4.0	32
7	Analysis of shielding of propeller noise using beamforming and predictions. Journal of the Acoustical Society of America, 2019, 146, 1085-1098.	1.1	11
8	Seafloor Characterization Using Multibeam Echosounder Backscatter Data: Methodology and Results in the North Sea. Geosciences (Switzerland), 2019, 9, 292.	2.2	5
9	Enhanced HR-CLEAN-SC for resolving multiple closely spaced sound sources. International Journal of Aeroacoustics, 2019, 18, 392-413.	1.3	37
10	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
11	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
12	Geostatistical modelling of multibeam backscatter for full-coverage seabed sediment maps. Hydrobiologia, 2019, 845, 55-79.	2.0	21
13	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
14	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
15	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
16	Multi-angle backscatter classification and sub-bottom profiling for improved seafloor characterization. Marine Geophysical Researches, 2018, 39, 289-306.	1.2	17
17	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
18	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

#	Article	IF	Citations
19	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
20	Weather-Dependent Airport Noise Contour Prediction Concept Based on Ray Tracing. Journal of Aircraft, 2014, 51, 1351-1359.	2.4	6
21	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
22	A multi-sensor approach for remotely modeling and mapping sediment properties. , 2013, , .		0
23	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
24	Riverbed sediment classification using multi-beam echo-sounder backscatter data. Journal of the Acoustical Society of America, 2009, 126, 1724-1738.	1.1	53
25	A Bayesian approach to seafloor classification using multi-beam echo-sounder backscatter data. Applied Acoustics, 2009, 70, 1258-1268.	3.3	102