

Makarand C Deo

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

67

papers

2,058

citations

21

h-index

44

g-index

70

ext. papers

2,335

ext. citations

2.8

avg, IF

5.05

L-index

#	Paper	IF	Citations
67	Forecasting wind with neural networks. <i>Marine Structures</i> , 2003 , 16, 35-49	3.8	202
66	Neural networks for wave forecasting. <i>Ocean Engineering</i> , 2001 , 28, 889-898	3.9	185
65	Real time wave forecasting using neural networks. <i>Ocean Engineering</i> , 1998 , 26, 191-203	3.9	180
64	Hydrological Forecasting Using Neural Networks. <i>Journal of Hydrologic Engineering - ASCE</i> , 2000 , 5, 180-189	1.8	141
63	Neural Networks for Estimation of Scour Downstream of a Ski-Jump Bucket. <i>Journal of Hydraulic Engineering</i> , 2005 , 131, 898-908	1.8	136
62	On-line wave prediction. <i>Marine Structures</i> , 2002 , 15, 57-74	3.8	95
61	Real-time wave forecasting using genetic programming. <i>Ocean Engineering</i> , 2008 , 35, 1166-1172	3.9	94
60	Alternative neural networks to estimate the scour below spillways. <i>Advances in Engineering Software</i> , 2008 , 39, 689-698	3.6	84
59	Suitability of different neural networks in daily flow forecasting. <i>Applied Soft Computing Journal</i> , 2007 , 7, 968-978	7.5	69
58	Estimation of pile group scour using neural networks. <i>Applied Ocean Research</i> , 2003 , 25, 225-234	3.4	66
57	Real-time wave forecasts off the western Indian coast. <i>Applied Ocean Research</i> , 2007 , 29, 72-79	3.4	63
56	Estimation of scour below spillways using neural networks. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2006 , 44, 61-69	1.9	55
55	Prediction of breaking waves with neural networks. <i>Ocean Engineering</i> , 2003 , 30, 1163-1178	3.9	52
54	Filling up gaps in wave data with genetic programming. <i>Marine Structures</i> , 2008 , 21, 177-195	3.8	50
53	Artificial neural network to translate offshore satellite wave data to coastal locations. <i>Ocean Engineering</i> , 2005 , 32, 1917-1932	3.9	34
52	Genetic programming for retrieving missing information in wave records along the west coast of India. <i>Applied Ocean Research</i> , 2007 , 29, 99-111	3.4	32
51	Wave parameter estimation using neural networks. <i>Marine Structures</i> , 2004 , 17, 536-550	3.8	30

50	Real time wave forecasting using wind time history and numerical model. <i>Ocean Modelling</i> , 2011 , 36, 26-39	3	29
49	RBF network for spatial mapping of wave heights. <i>Marine Structures</i> , 2005 , 18, 289-300	3.8	27
48	Neural-Network-Based Data Assimilation to Improve Numerical Ocean Wave Forecast. <i>IEEE Journal of Oceanic Engineering</i> , 2016 , 41, 944-953	3.3	24
47	Interpolation of wave heights. <i>Ocean Engineering</i> , 2000 , 27, 907-919	3.9	21
46	Effect of climate change on shoreline shifts at a straight and continuous coast. <i>Estuarine, Coastal and Shelf Science</i> , 2016 , 183, 221-234	2.9	20
45	Evaluation of wind extremes and wind potential under changing climate for Indian offshore using ensemble of 10 GCMs. <i>Ocean and Coastal Management</i> , 2016 , 121, 141-152	3.9	20
44	Wave tranquility studies using neural networks. <i>Marine Structures</i> , 2003 , 16, 419-436	3.8	20
43	Effect of climate change on design wind at the Indian offshore locations. <i>Ocean Engineering</i> , 2010 , 37, 1061-1069	3.9	18
42	Reevaluation of Design Waves Off the Western Indian Coast Considering Climate Change. <i>Marine Technology Society Journal</i> , 2016 , 50, 88-98	0.5	17
41	Using Artificial Neural Networks to Forecast Monthly and Seasonal Sea Surface Temperature Anomalies in the Western Indian Ocean. <i>The International Journal of Ocean and Climate Systems</i> , 2013 , 4, 133-150		17
40	Derivation of wave spectrum using data driven methods. <i>Marine Structures</i> , 2009 , 22, 594-609	3.8	17
39	Changes in the design and operational wind due to climate change at the Indian offshore sites. <i>Marine Structures</i> , 2014 , 37, 33-53	3.8	16
38	Analysis of Wave Directional Spreading Using Neural Networks. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 2002 , 128, 30-37	1.7	16
37	Derivation of coastal wind and wave parameters from offshore measurements of TOPEX satellite using ANN. <i>Coastal Engineering</i> , 2007 , 54, 187-196	4.8	15
36	Wave Prediction Using Genetic Programming and Model Trees. <i>Journal of Coastal Research</i> , 2012 , 279, 43-50	0.6	14
35	Changes in the shoreline at Paradip Port, India in response to climate change. <i>Geomorphology</i> , 2018 , 303, 243-255	4.3	13
34	Alternative data-driven methods to estimate wind from waves by inverse modeling. <i>Natural Hazards</i> , 2009 , 49, 293-310	3	12
33	Neural network genetic programming for sediment transport. <i>Proceedings of the Institution of Civil Engineers: Maritime Engineering</i> , 2007 , 160, 113-119	1.8	12

32	Inverse modeling to derive wind parameters from wave measurements. <i>Applied Ocean Research</i> , 2008 , 30, 120-129	3.4	12
31	Estimation of wave directional spreading in shallow water. <i>Ocean Engineering</i> , 1998 , 26, 83-98	3.9	11
30	Design wave estimation considering directional distribution of waves. <i>Ocean Engineering</i> , 2004 , 31, 2343-2352	3.9	11
29	Review of Applications of Neuro-Wavelet Techniques in Water Flows. <i>INAE Letters</i> , 2016 , 1, 99-104	0.7	9
28	Wave simulation and forecasting using wind time history and data-driven methods. <i>Ships and Offshore Structures</i> , 2010 , 5, 253-266	1.4	9
27	Genetic programming for real-time prediction of offshore wind. <i>Ships and Offshore Structures</i> , 2009 , 4, 77-88	1.4	9
26	Prediction of littoral drift with artificial neural networks. <i>Hydrology and Earth System Sciences</i> , 2008 , 12, 267-275	5.5	9
25	Prediction of ocean currents with artificial neural networks. <i>ISH Journal of Hydraulic Engineering</i> , 2015 , 21, 14-27	1.5	8
24	Soft and hard computing approaches for real-time prediction of currents in a tide-dominated coastal area. <i>Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment</i> , 2007 , 221, 147-163	0.4	7
23	Estimation of wave spectral shapes using ANN. <i>Advances in Engineering Software</i> , 2005 , 36, 750-756	3.6	7
22	Derivation of design waves along the Indian coastline incorporating climate change. <i>Journal of Marine Science and Technology</i> , 2017 , 22, 61-70	1.7	6
21	Inverse estimation of wind from the waves measured by high-frequency radar. <i>International Journal of Remote Sensing</i> , 2012 , 33, 2985-3003	3.1	6
20	Directional spread parameter at intermediate water depth. <i>Ocean Engineering</i> , 2000 , 27, 889-905	3.9	6
19	Evaluation of estuary shoreline shift in response to climate change: A study from the central west coast of India. <i>Land Degradation and Development</i> , 2018 , 29, 3571-3583	4.4	6
18	Impact of active and break wind spells on the demand supply balance in wind energy in India. <i>Meteorology and Atmospheric Physics</i> , 2018 , 130, 81-97	2	5
17	Framework for assessment of climate change impact on offshore wind energy. <i>Meteorological Applications</i> , 2018 , 25, 94-104	2.1	5
16	Effect of Climate Change on Wind Persistence at Selected Indian Offshore Locations. <i>Procedia Engineering</i> , 2015 , 116, 615-622		5
15	Interpolation of the gaps in current maps generated by high-frequency radar. <i>International Journal of Remote Sensing</i> , 2016 , 37, 5135-5154	3.1	5

14	Sea Level Rise and Shoreline Change under Changing Climate Along the Indian Coastline. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 2020 , 146, 05020002	1.7	4
13	Locally weighted projection regression for predicting hydraulic parameters. <i>Civil Engineering and Environmental Systems</i> , 2010 , 27, 71-80	2.1	4
12	Application of Artificial Neural Network Model in Estimation of Wave Spectra. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 2006 , 132, 415-418	1.7	4
11	Real Time Wave Forecasting Using Wind Time History and Genetic Programming. <i>The International Journal of Ocean and Climate Systems</i> , 2014 , 5, 249-259		3
10	Evaluation of the wave height used in the design of offshore structures considering the effects of climate change. <i>Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment</i> , 2013 , 227, 233-242	0.4	3
9	Performance of the CORDEX regional climate models in simulating offshore wind and wind potential. <i>Theoretical and Applied Climatology</i> , 2019 , 135, 1449-1464	3	3
8	Generalized Estimation of Wave Force Spectra. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 1988 , 114, 175-190	1.7	2
7	Projected impact of climate change on waves at Mumbai High. <i>Proceedings of the Institution of Civil Engineers: Maritime Engineering</i> , 2015 , 168, 20-29	1.8	1
6	Sediment transport and shoreline shifts in response to climate change at the tidal inlets of Chilika, India. <i>Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment</i> , 2019 , 233, 372-387	0.4	1
5	Discussion: Neural network & genetic programming for sediment transport. <i>Proceedings of the Institution of Civil Engineers: Maritime Engineering</i> , 2010 , 163, 135-136	1.8	
4	Authors response to comments on article in Natural Hazards (2008) NHAZ 524, Article 9299, DOI 10.1007/s11069-008-9299-2. <i>Natural Hazards</i> , 2010 , 52, 669-669	3	
3	Authors reply to the discussion by, M. Ozger and A. Altunkaynak on: Estimation of wave spectral shapes using ANN by, R. Naithani and M.C. Deo. <i>Advances in Engineering Software</i> , 2007 , 38, 69	3.6	
2	SURGE ANALYSIS IN A LARGE LIFT IRRIGATION PROJECT THROUGH PHYSICAL MODELING& CASE STUDY. <i>ISH Journal of Hydraulic Engineering</i> , 2007 , 13, 102-114	1.5	
1	Effect of Different Wind Inputs in the Evaluation of Design Waves. <i>Marine Technology Society Journal</i> , 2018 , 52, 94-105	0.5	