M Reza Hashemi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3981702/publications.pdf

Version: 2024-02-01

48 papers	1,523 citations	361296 20 h-index	315616 38 g-index
52 all docs	52 docs citations	52 times ranked	1177 citing authors

#	Article	IF	Citations
1	Resource assessment for future generations of tidal-stream energy arrays. Energy, 2015, 83, 403-415.	4.5	189
2	Wave power variability over the northwest European shelf seas. Applied Energy, 2013, 106, 31-46.	5.1	121
3	The role of tidal asymmetry in characterizing the tidal energy resource of Orkney. Renewable Energy, 2014, 68, 337-350.	4.3	113
4	Characteristics of the velocity profile at tidal-stream energy sites. Renewable Energy, 2017, 114, 258-272.	4.3	91
5	Realistic wave conditions and their influence on quantifying the tidal stream energy resource. Applied Energy, 2014, 136, 495-508.	5.1	88
6	An efficient artificial intelligence model for prediction of tropical storm surge. Natural Hazards, 2016, 82, 471-491.	1.6	74
7	Effect of waves on the tidal energy resource at a planned tidal streamÂarray. Renewable Energy, 2015, 75, 626-639.	4.3	66
8	Tidal energy leasing and tidal phasing. Renewable Energy, 2016, 85, 580-587.	4.3	64
9	Inter-annual and inter-seasonal variability of the Orkney wave power resource. Applied Energy, 2014, 132, 339-348.	5.1	63
10	Using an artificial neural network to model seasonal changes in beach profiles. Ocean Engineering, 2010, 37, 1345-1356.	1.9	55
11	A differential quadrature analysis of unsteady open channel flow. Applied Mathematical Modelling, 2007, 31, 1594-1608.	2.2	47
12	Optimal phasing of the European tidal stream resource using the greedy algorithm with penalty function. Energy, 2014, 73, 997-1006.	4.5	42
13	Ocean Modelling for Resource Characterization. , 2018, , 193-235.		36
14	Unsteady seepage analysis using local radial basis function-based differential quadrature method. Applied Mathematical Modelling, 2011, 35, 4934-4950.	2.2	35
15	The role of tides in shelf-scale simulations of the wave energy resource. Renewable Energy, 2014, 69, 300-310.	4.3	34
16	Role of Hurricane Wind Models in Accurate Simulation of Storm Surge and Waves. Journal of Waterway, Port, Coastal and Ocean Engineering, 2019, 145, .	0.5	32
17	Tidal stream resource assessment uncertainty due to flow asymmetry and turbine yaw misalignment. Renewable Energy, 2017, 114, 1363-1375.	4.3	31
18	A coupled tide-wave model for the NW European shelf seas. Geophysical and Astrophysical Fluid Dynamics, 2015, 109, 234-253.	0.4	27

#	Article	IF	Citations
19	Numerical modeling of long waves in shallow water using Incremental Differential Quadrature Method. Ocean Engineering, 2006, 33, 1749-1764.	1.9	26
20	Assessing the impact of extreme storms on barrier beaches along the Atlantic coastline: Application to the southern Rhode Island coast. Coastal Engineering, 2018, 133, 26-42.	1.7	26
21	Tidal stream resource characterisation in progressive versus standing wave systems. Applied Energy, 2018, 220, 274-285.	5.1	24
22	Numerical modelling of the mild slope equation using localised differential quadrature method. Ocean Engineering, 2012, 47, 88-103.	1.9	22
23	An enhanced depth-averaged tidal model for morphological studies in the presence of rotary currents. Continental Shelf Research, 2007, 27, 82-102.	0.9	21
24	Tidal and surge modelling using differential quadrature: A case study in the Bristol Channel. Coastal Engineering, 2008, 55, 811-819.	1.7	21
25	A model of inter-annual variability in beach levels. Continental Shelf Research, 2008, 28, 1769-1781.	0.9	20
26	The impacts of tidal energy development and sea-level rise in the Gulf of Maine. Energy, 2019, 187, 115942.	4.5	20
27	A simplified method to estimate tidal current effects on the ocean wave power resource. Renewable Energy, 2016, 96, 257-269.	4.3	18
28	Other Aspects of Ocean Renewable Energy. , 2018, , 271-309.		13
29	Application of RBF-DQ Method to Time-Dependent Analysis of Unsaturated Seepage. Transport in Porous Media, 2018, 125, 543-564.	1.2	12
30	Sea level rise changes estuarine tidal stream energy. Energy, 2022, 239, 122428.	4.5	12
31	Some numerical aspects of modelling flow around hydraulic structures using incompressible SPH. Computers and Mathematics With Applications, 2015, 69, 1470-1483.	1.4	11
32	Characterizing the Great Lakes hydrokinetic renewable energy resource: Lake Erie wave, surge and seiche characteristics. Energy, 2017, 128, 661-675.	4.5	11
33	Modeling of Flood Wave Propagation through Levee Breach Using MIKE21, A Case Study in Helleh River, Iran. , 2010, , .		7
34	Wave Energy. , 2018, , 107-140.		6
35	Assessment of hurricane generated loads on oï¬€shore wind farms; a closer look at most extreme historical hurricanes in New England. Renewable Energy, 2021, 175, 593-609.	4.3	6
36	Effect of Coastal Erosion on Storm Surge: A Case Study in the Southern Coast of Rhode Island. Journal of Marine Science and Engineering, 2016, 4, 85.	1.2	5

#	Article	IF	Citations
37	In Situ and Remote Methods for Resource Characterization. , 2018, , 157-191.		5
38	Tidal Energy. , 2018, , 47-81.		5
39	Flood risk in past and future: A case study for the Pawtuxet River's recordâ€breaking March 2010 flood event. Journal of Flood Risk Management, 2020, 13, e12655.	1.6	4
40	A localized differential quadrature model for moving boundary shallow water flows. Journal of Hydraulic Research/De Recherches Hydrauliques, 2012, 50, 612-622.	0.7	3
41	Incorporating a machine learning technique to improve open-channel flow computations. Neural Computing and Applications, 2019, 31, 909-921.	3.2	3
42	Development of fragility functions for rigid-frame bridges subjected to tsunami-induced hydrodynamic forces. Structure and Infrastructure Engineering, 2022, 18, 1282-1299.	2.0	2
43	Wave-Tide Interactions in Ocean Renewable Energy. , 2017, , 137-158.		2
44	Modeling the impact of sea level rise on maximum water elevation during storm surge events: a closer look at coastal embayments. Climatic Change, 2022, 171, 1.	1.7	1
45	Investigating the Optimum Pattern of Levee System Fuse Plugs by a Two-Dimensional Model. , 2012, , .		0
46	Process-Based and Data-Based Storm Surge Models for Rhode Island Coastal Flooding within the STORMTOOLS Framework. , 2017, , .		0
47	Using Case Studies of Bridge Scour in Rhode Island to Evaluate Simplified Scour Equations. , 2019, , .		0
48	Simulation of Hurricane Loading for Proposed Offshore Windfarms off the US Northeast Coast. Journal of Physics: Conference Series, 2020, 1452, 012026.	0.3	0