

Zhangping Wei

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

405
citations

759233

12
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

361
citing authors

#	ARTICLE	IF	CITATIONS
1	SPH modeling of dynamic impact of tsunami bore on bridge piers. Coastal Engineering, 2015, 104, 26-42.	4.0	95
2	Numerical study on mitigating tsunami force on bridges by an SPH model. Journal of Ocean Engineering and Marine Energy, 2016, 2, 365-380.	1.7	59
3	Simulation of Nearshore Tsunami Breaking by Smoothed Particle Hydrodynamics Method. Journal of Waterway, Port, Coastal and Ocean Engineering, 2016, 142, .	1.2	33
4	Forecasting wind waves in the US Atlantic Coast using an artificial neural network model: Towards an AI-based storm forecast system. Ocean Engineering, 2021, 237, 109646.	4.3	28
5	Short-crested waves in the surf zone. Journal of Geophysical Research: Oceans, 2017, 122, 4143-4162.	2.6	27
6	Chaos in breaking waves. Coastal Engineering, 2018, 140, 272-291.	4.0	25
7	Simulation of nearshore wave processes by a depth-integrated non-hydrostatic finite element model. Coastal Engineering, 2014, 83, 93-107.	4.0	24
8	A depth-integrated non-hydrostatic finite element model for wave propagation. International Journal for Numerical Methods in Fluids, 2013, 73, 976-1000.	1.6	22
9	Modeling of wave energy converters by GPUSPH and Project Chrono. Ocean Engineering, 2019, 183, 332-349.	4.3	20
10	Parallelizing Alternating Direction Implicit Solver on GPUs. Procedia Computer Science, 2013, 18, 389-398.	2.0	18
11	Non-hydrostatic finite element model for coastal wave processes. Coastal Engineering, 2014, 92, 31-47.	4.0	13
12	A convolutional neural network based model to predict nearshore waves and hydrodynamics. Coastal Engineering, 2022, 171, 104044.	4.0	13
13	Using Artificial Neural Network Models to Assess Hurricane Damage through Transfer Learning. Applied Sciences (Switzerland), 2022, 12, 1466.	2.5	13
14	Wave uplift force on horizontal panels: a laboratory study. Journal of Oceanology and Limnology, 2019, 37, 1899-1911.	1.3	7
15	A fast and interactive heat conduction simulator on GPUs. Journal of Computational and Applied Mathematics, 2014, 270, 496-505.	2.0	4
16	SPH MODELING OF VORTICITY GENERATION BY SHORT-CRESTED WAVE BREAKING. Coastal Engineering Proceedings, 2017, , 1.	0.1	4