Zhangping Wei

List of Publications by Year
in descending order

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