

# Wei Bai

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10926468/publications.pdf>

Version: 2024-02-01

19  
papers

461  
citations

759233

12  
h-index

794594

19  
g-index

19  
all docs

19  
docs citations

19  
times ranked

298  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Finite Volume Based Fully Nonlinear Potential Flow Model for Water Wave Problems. Applied Ocean Research, 2021, 106, 102445.	4.1	7
2	Second-order wave run-up on a vertical cylinder adjacent to a plane wall based on the application of quadratic transfer function in bi-directional waves. Marine Structures, 2021, 76, 102879.	3.8	9
3	Numerical simulation of water entry of a symmetric/asymmetric wedge into waves using OpenFOAM. Ocean Engineering, 2021, 227, 108923.	4.3	22
4	A three-dimensional immersed boundary method based on an algebraic forcing-point-searching scheme for water impact problems. Ocean Engineering, 2021, 233, 109189.	4.3	3
5	Higher-order harmonic induced wave resonance for two side-by-side boxes in close proximity. Physics of Fluids, 2021, 33, .	4.0	22
6	Coupling analysis for sway motion box with internal liquid sloshing under wave actions. Physics of Fluids, 2020, 32, .	4.0	25
7	Numerical Simulation of Wave Interaction with Payloads of Different Postures Using OpenFOAM. Journal of Marine Science and Engineering, 2020, 8, 433.	2.6	9
8	Numerical investigation of piston-modal wave resonance in the narrow gap formed by a box in front of a wall. Physics of Fluids, 2019, 31, .	4.0	32
9	Application of an overset mesh based numerical wave tank for modelling realistic free-surface hydrodynamic problems. Ocean Engineering, 2019, 176, 97-117.	4.3	51
10	Numerical investigation of wave forces on two side-by-side non-identical boxes in close proximity under wave actions. Marine Structures, 2019, 63, 16-44.	3.8	29
11	Numerical simulation of wave resonance in the narrow gap between two non-identical boxes. Ocean Engineering, 2018, 156, 38-60.	4.3	42
12	Numerical modelling of nonlinear extreme waves in presence of wind. Acta Oceanologica Sinica, 2018, 37, 90-98.	1.0	1
13	The influence of up-wave barge motion on the water resonance at a narrow gap between two rectangular barges underwaves in the sea. Acta Oceanologica Sinica, 2018, 37, 68-76.	1.0	7
14	Response of small sea ice floes in regular waves: A comparison of numerical and experimental results. Ocean Engineering, 2017, 129, 495-506.	4.3	24
15	Two-dimensional wave radiation and diffraction problems in a flat or sloping seabed environment. Journal of Fluids and Structures, 2017, 75, 193-212.	3.4	13
16	Numerical simulation of coupling effect between ship motion and liquid sloshing under wave action. Ocean Engineering, 2015, 108, 140-154.	4.3	60
17	Experimental study of wave-driven impact of sea ice floes on a circular cylinder. Cold Regions Science and Technology, 2014, 108, 36-48.	3.5	20
18	Experimental study on kinematics of sea ice floes in regular waves. Cold Regions Science and Technology, 2014, 103, 15-30.	3.5	44

#	ARTICLE	IF	CITATIONS
19	Simulation of second-order wave interaction with fixed and floating structures in time domain. Ocean Engineering, 2013, 74, 168-177.	4.3	41