

Xiaobo Chen

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

331
citations

933447

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h-index

839539

18
g-index

19
all docs

19
docs citations

19
times ranked

158
citing authors

#	ARTICLE	IF	CITATIONS
1	A viscous damping model for piston mode resonance. <i>Journal of Fluid Mechanics</i> , 2019, 871, 510-533.	3.4	72
2	Middle-field formulation for the computation of wave-drift loads. <i>Journal of Engineering Mathematics</i> , 2007, 59, 61-82.	1.2	59
3	On singular and highly oscillatory properties of the Green function for ship motions. <i>Journal of Fluid Mechanics</i> , 2001, 445, 77-91.	3.4	41
4	Semi-analytical solutions to wave diffraction of cylindrical structures with a moonpool with a restricted entrance. <i>Journal of Engineering Mathematics</i> , 2015, 90, 51-66.	1.2	31
5	A new multi-domain method based on an analytical control surface for linear and second-order mean drift wave loads on floating bodies. <i>Journal of Computational Physics</i> , 2017, 347, 506-532.	3.8	23
6	A potential flow model with viscous dissipation based on a modified boundary element method. <i>Engineering Analysis With Boundary Elements</i> , 2018, 97, 1-15.	3.7	20
7	Wavy properties and analytical modeling of free-surface flows in the development of the multi-domain method. <i>Journal of Hydrodynamics</i> , 2016, 28, 971-976.	3.2	14
8	Offshore hydrodynamics and applications. <i>IES Journal Part A: Civil and Structural Engineering</i> , 2011, 4, 124-142.	0.4	13
9	Viscous effects on the fundamental solution to ship waves. <i>Journal of Fluid Mechanics</i> , 2019, 879, 744-774.	3.4	12
10	Multi-domain boundary element method with dissipation. <i>Journal of Marine Science and Application</i> , 2012, 11, 18-23.	1.7	10
11	Reformulation of wavenumber integrals describing transient waves. <i>Journal of Engineering Mathematics</i> , 2019, 115, 121-140.	1.2	8
12	New formulations of the ship-motion Green function. <i>Journal of Engineering Mathematics</i> , 2018, 110, 39-61.	1.2	7
13	Asymptotic analysis of capillary-gravity waves generated by a moving disturbance. <i>European Journal of Mechanics, B/Fluids</i> , 2018, 72, 624-630.	2.5	7
14	Capillary-gravity ship wave patterns. <i>Journal of Hydrodynamics</i> , 2017, 29, 825-830.	3.2	6
15	Transient waves generated by a vertical flexible wavemaker plate with a general ramp function. <i>Applied Ocean Research</i> , 2020, 103, 102335.	4.1	3
16	Transient wave diffraction around cylinders by a novel boundary element method based on Fourier-Laguerre expansions. <i>Ships and Offshore Structures</i> , 2021, 16, 100-111.	1.9	2
17	A Topology-Based Stereo Matching Method for One Shot 3D Measurement Using Coded Spot-Array Structured Light. <i>Sensors</i> , 2021, 21, 6444.	3.8	2
18	Hydrodynamic Pressure Distribution on Ship Hull At Very High Encounter Frequencies. <i>Journal of Hydrodynamics</i> , 2010, 22, 515-520.	3.2	1

#	ARTICLE	IF	CITATIONS
19	Infrared Laser Speckle Projection-Based Multi-Sensor Collaborative Human Body Automatic Scanning System. <i>Machines</i> , 2021, 9, 299.	2.2	0