

Xiongliang Yao

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

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docs citations

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times ranked

225
citing authors

#	ARTICLE	IF	CITATIONS
1	A coupled Two-relaxation-time Lattice Boltzmann-Volume penalization method for flows past obstacles. <i>Mathematics and Computers in Simulation</i> , 2022, 198, 85-105.	4.4	5
2	Experimental research of underwater explosion bubble dynamics between two parallel plates with various distances. <i>Applied Ocean Research</i> , 2022, 122, 103081.	4.1	10
3	Experimental investigation on the development features of a gas jet on the surface of a vertical moving body with a constant volume chamber. <i>Physics of Fluids</i> , 2022, 34, .	4.0	3
4	Changes of projectile attitude and its influence parameters during the process of penetration on the ship plate structure through material point method. <i>Journal of Mechanical Science and Technology</i> , 2021, 35, 449-459.	1.5	0
5	Vibration Band Gap Characteristics of Two-Dimensional Periodic Double-Wall Grillages. <i>Materials</i> , 2021, 14, 7174.	2.9	2
6	Material point method and its application in different failure modes of grillage structure under penetration. <i>Ships and Offshore Structures</i> , 2020, 15, 998-1010.	1.9	0
7	A study on bubble nuclei population dynamics under reduced pressure. <i>Physics of Fluids</i> , 2020, 32, 112019.	4.0	4
8	Acceleration Signal Processing Method of Impact Response of Floating Shock Platform Based on Rigid Body Motion Model. <i>Shock and Vibration</i> , 2020, 2020, 1-15.	0.6	0
9	Band Gaps Characteristics Analysis of Periodic Oscillator Coupled Damping Beam. <i>Materials</i> , 2020, 13, 5748.	2.9	5
10	Experimental study and numerical model adequacy assessment of hull structure dynamic response subject to underwater explosion. <i>Ships and Offshore Structures</i> , 2020, 15, 1023-1036.	1.9	5
11	Transient Response of the Steel Plate to Underwater Explosion Bubble. , 2020, , .		0
12	A new experimental methodology to assess the wall pressure generated by a high-voltage underwater Spark-generated bubble. <i>Results in Physics</i> , 2019, 12, 571-574.	4.1	11
13	An Experimental Approach to the Measurement of Wall Pressure Generated by an Underwater Spark-Generated Bubble by a Hopkinson Bar. <i>Shock and Vibration</i> , 2019, 2019, 1-14.	0.6	7
14	Semi-analytical and experimental investigation of the whipping response of a cylinder subjected to underwater explosion load. <i>Ships and Offshore Structures</i> , 2019, 14, 600-608.	1.9	2
15	The Investigation on Cabin Noise Control of Ship Structure Based on SEA Graph Method. , 2018, , .		1
16	A Numerical and Experimental Study of Wall Pressure Caused by an Underwater Explosion Bubble. <i>Mathematical Problems in Engineering</i> , 2018, 2018, 1-10.	1.1	7
17	A Lab-Scale Experiment Approach to the Measurement of Wall Pressure from Near-Field under Water Explosions by a Hopkinson Bar. <i>Shock and Vibration</i> , 2018, 2018, 1-15.	0.6	7
18	Simulation of Fluid and Structure Interface with Immersed Boundary“Lattice Boltzmann Method Involving Turbulence Models. <i>Mathematical Problems in Engineering</i> , 2018, 2018, 1-12.	1.1	0

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19	A coupled Volume Penalization-Thermal Lattice Boltzmann method for thermal flows. International Journal of Heat and Mass Transfer, 2018, 127, 253-266.	4.8	11
20	Research on Trailing Cavity of Underwater Vehicles Based on Potential Flow Theory. , 2018, , .		0
21	A hybrid wavelet-based adaptive immersed boundary finite-difference lattice Boltzmann method for two-dimensional fluid-structure interaction. Journal of Computational Physics, 2017, 333, 24-48.	3.8	18
22	Dynamics of an Underwater Explosion Bubble near a Rigid Wall: Effect of Slenderness Ratio, Installation, and Distance Parameter. Journal of Coastal Research, 2017, 33, 959-971.	0.3	5
23	Free and forced vibration analysis of multi-stepped circular cylindrical shells with arbitrary boundary conditions by the method of reverberation-ray matrix. Thin-Walled Structures, 2017, 116, 154-168.	5.3	31
24	An exact solution for the free-vibration analysis of functionally graded carbon-nanotube-reinforced composite beams with arbitrary boundary conditions. Scientific Reports, 2017, 7, 12909.	3.3	33
25	A semi-analytical solution for in-plane free vibration analysis of functionally graded carbon nanotube reinforced composite circular arches with elastic restraints. Composite Structures, 2017, 182, 420-434.	5.8	33
26	Analytical Models for the Response of the Double-Bottom Structure to Underwater Explosion Based on the Wave Motion Theory. Shock and Vibration, 2016, 2016, 1-21.	0.6	4
27	Free Vibration Analysis of Circular Cylindrical Shells with Arbitrary Boundary Conditions by the Method of Reverberation-Ray Matrix. Shock and Vibration, 2016, 2016, 1-18.	0.6	5
28	The Experiment and Finite Element Analysis of Carbon Fiber Sandwich Beam With Pyramidal Truss Core Structure. , 2016, , .		0
29	Free vibration analysis of open circular cylindrical shells by the method of reverberation-ray matrix. Advances in Mechanical Engineering, 2016, 8, 168781401663897.	1.6	10
30	Acoustic radiation from shear deformable ring-stiffened laminated composite cylindrical shell submerged in flowing fluid. Applied Ocean Research, 2016, 61, 65-80.	4.1	14
31	Dynamics of an air bubble induced by an adjacent oscillating bubble. Engineering Analysis With Boundary Elements, 2016, 62, 65-77.	3.7	3
32	Free vibration analysis of plate/shell coupled structures by the method of reverberation-ray matrix. Journal of Vibroengineering, 2016, 18, 3117-3137.	1.0	6
33	Experimental Investigation on Mechanical Property of Hybrid Steel-to-Lattice Joint With Pyramidal Carbon Fiber Truss. , 2015, , .		0
34	Study on Load Characteristics of Underwater Explosion Using RKDG-LS-DGF and BEM. Shock and Vibration, 2015, 2015, 1-10.	0.6	2
35	Structural and acoustic response of a finite stiffened conical shell. Acta Mechanica Solida Sinica, 2015, 28, 200-209.	1.9	17
36	The Coupling Effects Between the Underwater High-Pressure Bubble and the Marine Structure. , 2015, , .		0

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37	Dynamics of cavitation bubbles in acoustic field near the rigid wall. Ocean Engineering, 2015, 109, 507-516.	4.3	8
38	Application of response surface method for reliability analysis of stiffened laminated plates. Ships and Offshore Structures, 2015, 10, 653-659.	1.9	4
39	Investigation on the Post-Ultimate Strength Behaviour of Sandwich Plate. , 2014, , .		0
40	Investigation of Coalescing and Bouncing of Rising Bubbles Under the Wake Influences Using SPH Method. , 2014, , .		4
41	Shock Response of Ship Section to Underwater Explosion With the Cavitation Effect. , 2014, , .		0
42	Noise reduction analysis for a stiffened finite plate. Journal of Sound and Vibration, 2014, 333, 228-245.	3.9	11
43	Shakedown Analysis of Ocean Engineering Structures Subjected to Repeated Dynamic Loads. , 2014, , .		0
44	Experimental study on sound radiation timeâ€ƒfrequency characteristics of double cylindrical shell based on EMD. Engineering Computations, 2012, 29, 321-337.	1.4	2
45	Structureâ€ƒborne sound design of typical hull base and underwater model test. Engineering Computations, 2012, 29, 441-460.	1.4	0
46	Numerical analysis of a blocking mass attenuating wave propagation. Journal of Marine Science and Application, 2011, 10, 490-494.	1.7	0
47	The influence of blocking mass parameters on the vibration isolation performance of a power cabin. Journal of Marine Science and Application, 2011, 10, 25-32.	1.7	2
48	Study on the impediment to vibration wave propagation from rigid vibration isolation mass. Journal of Marine Science and Application, 2011, 10, 63-69.	1.7	0
49	Optimization design of vibration characteristics of ship composite brace with rigid vibration isolation mass. Journal of Marine Science and Application, 2011, 10, 215-219.	1.7	2
50	Experimental and numerical procedures of a sonar platform with a sound absorption wedge. Journal of Marine Science and Application, 2011, 10, 364-370.	1.7	0
51	Ultimate strength and reliability assessment of laminated composite plates under axial compression. Ships and Offshore Structures, 2011, 6, 105-113.	1.9	4
52	The Pressure Behavior of Oil Film in Bearing Subjected to High-frequency Dynamic Load. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2010, 46, 93.	0.5	1
53	Comparison between the 3D numerical simulation and experiment of the bubble near different boundaries. Science in China Series G: Physics, Mechanics and Astronomy, 2008, 51, 1914-1925.	0.2	2
54	Experimental Research on the Vibration Reduction and Impact Resistance Performances of Offshore Structure Based on Magnetorheological Damper. , 2008, , .		0

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55	Experimental Research on Flow Induced Oscillations in Moonpool Encountered Through Waves. , 2007, , 433.		1
56	Rationale of Riser System Selection for an FPSO Application. , 2007, , .		0
57	Fatigue Mitigation Design of Deepwater Steel Catenary Risers. , 2006, , 41.		0
58	Development of Floating System for Recovery of Lithium From Seawater. , 2006, , 217.		0
59	Research on shock resistance of shipborne equipment based on multibody system discrete-time transfer matrix method. Ships and Offshore Structures, 0, , 1-10.	1.9	0
60	Experimental investigation of bubble formation and motion mechanism near the moonpool. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 0, , 147509022110449.	0.5	0