

Lin Lu

List of Publications by Year in descending order

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43
papers

932
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567281

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454955

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43
times ranked

562
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-dimensional numerical simulation of vortex-induced vibration of an elastically mounted rigid circular cylinder in steady current. <i>Journal of Fluids and Structures</i> , 2014, 50, 292-311.	3.4	101
2	Modelling of multi-bodies in close proximity under water waves—Fluid forces on floating bodies. <i>Ocean Engineering</i> , 2011, 38, 1403-1416.	4.3	87
3	Numerical investigation of fluid resonance in two narrow gaps of three identical rectangular structures. <i>Applied Ocean Research</i> , 2010, 32, 177-190.	4.1	79
4	Modelling of multi-bodies in close proximity under water waves—Fluid resonance in narrow gaps. <i>Science China: Physics, Mechanics and Astronomy</i> , 2011, 54, 16-25.	5.1	60
5	Numerical investigations of lift suppression by feedback rotary oscillation of circular cylinder at low Reynolds number. <i>Physics of Fluids</i> , 2011, 23, .	4.0	59
6	Numerical investigation of fluid flow past circular cylinder with multiple control rods at low Reynolds number. <i>Journal of Fluids and Structures</i> , 2014, 48, 235-259.	3.4	59
7	Numerical investigation of flow-induced rotary oscillation of circular cylinder with rigid splitter plate. <i>Physics of Fluids</i> , 2016, 28, .	4.0	50
8	Two-dimensional viscous numerical simulation of liquid sloshing in rectangular tank with/without baffles and comparison with potential flow solutions. <i>Ocean Engineering</i> , 2015, 108, 662-677.	4.3	48
9	Two-dimensional numerical study of gap resonance coupling with motions of floating body moored close to a bottom-mounted wall. <i>Physics of Fluids</i> , 2020, 32, .	4.0	43
10	Three-dimensional numerical investigation of vortex-induced vibration of a rotating circular cylinder in uniform flow. <i>Physics of Fluids</i> , 2018, 30, .	4.0	42
11	Vortex induced vibrations of a rotating circular cylinder at low Reynolds number. <i>Physics of Fluids</i> , 2014, 26, .	4.0	39
12	Numerical simulation and comparison of potential flow and viscous fluid models in near trapping of narrow gaps. <i>Journal of Hydrodynamics</i> , 2010, 22, 120-125.	3.2	28
13	Theoretical and numerical investigations of wave resonance between two floating bodies in close proximity. <i>Journal of Hydrodynamics</i> , 2017, 29, 805-816.	3.2	26
14	Numerical Simulation of Turbulent Free Surface Flow Over Obstruction. <i>Journal of Hydrodynamics</i> , 2008, 20, 414-423.	3.2	17
15	Implementation of the moving particle semi-implicit method on GPU. <i>Science China: Physics, Mechanics and Astronomy</i> , 2011, 54, 523-532.	5.1	16
16	Numerical simulation of flow past twin near-wall circular cylinders in tandem arrangement at low Reynolds number. <i>Water Science and Engineering</i> , 2015, 8, 315-325.	3.2	15
17	Analytical solution of oblique wave interacting with a periodic array of specific caissons connected with partially immersed thin walls (comb-type). <i>Ocean Engineering</i> , 2019, 186, 106107.	4.3	14
18	Modes of synchronisation in the wake of a streamwise oscillatory cylinder. <i>Journal of Fluid Mechanics</i> , 2017, 832, 146-169.	3.4	13

#	ARTICLE	IF	CITATIONS
19	Numerical simulation of three-dimensional breaking waves and its interaction with a vertical circular cylinder. <i>Journal of Hydrodynamics</i> , 2017, 29, 800-804.	3.2	11
20	Numerical investigation of wake flow regimes behind a high-speed rotating circular cylinder in a steady flow. <i>Journal of Fluid Mechanics</i> , 2019, 878, 875-906.	3.4	11
21	A Semi-Analytical Potential Solution for Wave Resonance in Gap Between Floating Box and Vertical Wall. <i>China Ocean Engineering</i> , 2020, 34, 747-759.	1.6	11
22	Identification of hydrodynamic coefficients from experiment of vortex-induced vibration of slender riser model. <i>Science China Technological Sciences</i> , 2011, 54, 1894-1905.	4.0	9
23	Numerical simulation of flow past two circular cylinders in cruciform arrangement. <i>Journal of Fluid Mechanics</i> , 2018, 848, 1013-1039.	3.4	9
24	Hydrodynamic damping of an oscillating cylinder at small Keulegan-Carpenter numbers. <i>Journal of Fluid Mechanics</i> , 2021, 913, .	3.4	9
25	Effect of oscillatory boundary layer on hydrodynamic forces on pipelines. <i>Coastal Engineering</i> , 2018, 140, 114-123.	4.0	8
26	A dynamic solution for predicting resonant frequency of piston mode fluid oscillation in moonpools/narrow gaps. <i>Journal of Hydrodynamics</i> , 2020, 32, 54-69.	3.2	8
27	Local scour around a porous surface-piercing square monopile in steady current. <i>Ocean Engineering</i> , 2021, 223, 108716.	4.3	8
28	Nonlinear motion regimes and phase dynamics of a free standing hybrid riser system subjected to ocean current and vessel motion. <i>Ocean Engineering</i> , 2022, 252, 111197.	4.3	8
29	Viscous Effects on Wave Forces on A Submerged Horizontal Circular Cylinder. <i>China Ocean Engineering</i> , 2018, 32, 245-255.	1.6	7
30	Numerical study of water waves interacting with open comb-type caisson breakwaters. <i>Ocean Engineering</i> , 2021, 235, 109342.	4.3	7
31	Numerical Simulation of Vortex-Induced Vibration with Three-Step Finite Element Method and Arbitrary Lagrangian-Eulerian Formulation. <i>Advances in Mechanical Engineering</i> , 2013, 5, 890423.	1.6	6
32	Three-dimensional (3D) semi-analytical solution of wave-induced fluid resonance in narrow gaps of caisson-type breakwaters. <i>Ocean Engineering</i> , 2022, 253, 111305.	4.3	6
33	An effective resonant wave absorber for long regular water waves. <i>Applied Ocean Research</i> , 2021, 117, 102966.	4.1	5
34	Phase jump and energy transfer of forced oscillating circular cylinder in uniform flow. <i>Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment</i> , 2017, 231, 496-510.	0.5	3
35	Numerical Investigation of a Novel Wave Absorbing Method Based on Gap Resonance. <i>International Journal of Offshore and Polar Engineering</i> , 2018, 28, 370-379.	0.8	3
36	Mathematical Modeling of Fluid and Structure Interaction in Ocean Engineering. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-2.	1.1	2

#	ARTICLE	IF	CITATIONS
37	Analysis of oblique wave interaction with perforated caisson breakwaters with partial wave absorption parts. <i>Ocean Engineering</i> , 2021, 241, 110018.	4.3	2
38	A Semi-Analytical Method With Dissipation for Fluid Resonances. , 2012, , .		1
39	Finite Element Based Viscous Numerical Wave Flume. <i>Advances in Mechanical Engineering</i> , 2013, 5, 308436.	1.6	1
40	A modified defect function for wave boundary layers. <i>Coastal Engineering</i> , 2022, 171, 104050.	4.0	1
41	Numerical Investigation of Vortex-Induced Vibration of Circular Cylinder with Multiple Control Rods at Low Reynolds Number. <i>Lecture Notes in Mechanical Engineering</i> , 2019, , 217-221.	0.4	0
42	Hydrodynamic damping of an oscillating cylinder at small Keuleganâ€“Carpenter numbers â€“ CORRIGENDUM. <i>Journal of Fluid Mechanics</i> , 2021, 928, .	3.4	0
43	First passage probability of fixed offshore structures with uncertain barrier level to random seismic motion. <i>Ocean Engineering</i> , 2022, 254, 111337.	4.3	0