

# Hui Liang

## List of Publications by Year in descending order

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19  
papers

306  
citations

759233

12  
h-index

839539

18  
g-index

19  
all docs

19  
docs citations

19  
times ranked

133  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear liquid sloshing in an upright circular container: Modal responses and higher-order harmonics. <i>Physics of Fluids</i> , 2022, 34, .	4.0	8
2	Water wave interactions with perforated elastic disks: Quadratic pressure discharge condition. <i>Physical Review Fluids</i> , 2022, 7, .	2.5	13
3	Higher-order derivatives of the Green function in hyper-singular integral equations. <i>European Journal of Mechanics, B/Fluids</i> , 2021, 86, 223-230.	2.5	9
4	A BEM model for wave forces on structures with thin porous elements. <i>Journal of Fluids and Structures</i> , 2021, 102, 103246.	3.4	33
5	Numerical and experimental investigations into fluid resonance in a gap between two side-by-side vessels. <i>Applied Ocean Research</i> , 2021, 111, 102581.	4.1	25
6	Water wave scattering by impermeable and perforated plates. <i>Physics of Fluids</i> , 2021, 33, .	4.0	24
7	Accurate and efficient hydrodynamic analysis of structures with sharp edges by the Extended Finite Element Method (XFEM): 2D studies. <i>Applied Ocean Research</i> , 2021, 117, 102893.	4.1	5
8	Kelvinâ€™s Havelockâ€™s Peters approximations to a classical generic wave integral. <i>Applied Mathematical Modelling</i> , 2020, 77, 950-962.	4.2	2
9	Efficient methods free of irregular frequencies in wave and solid/porous structure interactions. <i>Journal of Fluids and Structures</i> , 2020, 98, 103130.	3.4	21
10	Hydrodynamic Responses of a 6 MW Spar-Type Floating Offshore Wind Turbine in Regular Waves and Uniform Current. <i>Fluids</i> , 2020, 5, 187.	1.7	14
11	Liquid sloshing in an upright circular tank under periodic and transient excitations. <i>Physical Review Fluids</i> , 2020, 5, .	2.5	21
12	Viscous effects on the fundamental solution to ship waves. <i>Journal of Fluid Mechanics</i> , 2019, 879, 744-774.	3.4	12
13	Influence of Froude number and submergence depth on wave patterns. <i>European Journal of Mechanics, B/Fluids</i> , 2019, 75, 258-270.	2.5	16
14	Validation of a global approximation for wave diffraction-radiation in deep water. <i>Applied Ocean Research</i> , 2018, 74, 80-86.	4.1	22
15	New formulations of the ship-motion Green function. <i>Journal of Engineering Mathematics</i> , 2018, 110, 39-61.	1.2	7
16	Asymptotic analysis of capillaryâ€™ gravity waves generated by a moving disturbance. <i>European Journal of Mechanics, B/Fluids</i> , 2018, 72, 624-630.	2.5	7
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Application of a 2D harmonic polynomial cell (HPC) method to singular flows and lifting problems. Applied Ocean Research, 2015, 53, 75-90.	4.1	30