Hui Liang

List of Publications by Year
in descending order

19	306	759233	839539
papers	citations	12	18
		h-index	g-index

19	19	19	133
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A BEM model for wave forces on structures with thin porous elements. Journal of Fluids and Structures, 2021, 102, 103246.	3.4	33
2	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
3	Numerical and experimental investigations into fluid resonance in a gap between two side-by-side vessels. Applied Ocean Research, 2021, 111, 102581.	4.1	25
4	Water wave scattering by impermeable and perforated plates. Physics of Fluids, 2021, 33, .	4.0	24
5	A new multi-domain method based on an analytical control surface for linear and second-order mean drift wave loads on floating bodies. Journal of Computational Physics, 2017, 347, 506-532.	3.8	23
6	Validation of a global approximation for wave diffraction-radiation in deep water. Applied Ocean Research, 2018, 74, 80-86.	4.1	22
7	Efficient methods free of irregular frequencies in wave and solid/porous structure interactions. Journal of Fluids and Structures, 2020, 98, 103130.	3.4	21
8	Liquid sloshing in an upright circular tank under periodic and transient excitations. Physical Review Fluids, 2020, 5, .	2.5	21
9	Influence of Froude number and submergence depth on wave patterns. European Journal of Mechanics, B/Fluids, 2019, 75, 258-270.	2.5	16
10	Wavy properties and analytical modeling of free-surface flows in the development of the multi-domain method. Journal of Hydrodynamics, 2016, 28, 971-976.	3.2	14
11	Hydrodynamic Responses of a 6 MW Spar-Type Floating Offshore Wind Turbine in Regular Waves and Uniform Current. Fluids, 2020, 5, 187.	1.7	14
12	Water wave interactions with perforated elastic disks: Quadratic pressure discharge condition. Physical Review Fluids, 2022, 7, .	2.5	13
13	Viscous effects on the fundamental solution to ship waves. Journal of Fluid Mechanics, 2019, 879, 744-774.	3.4	12
14	Higher-order derivatives of the Green function in hyper-singular integral equations. European Journal of Mechanics, B/Fluids, 2021, 86, 223-230.	2.5	9
15	Nonlinear liquid sloshing in an upright circular container: Modal responses and higher-order harmonics. Physics of Fluids, 2022, 34, .	4.0	8
16	New formulations of the ship-motion Green function. Journal of Engineering Mathematics, 2018, 110, 39-61.	1.2	7
17	Asymptotic analysis of capillary–gravity waves generated by a moving disturbance. European Journal of Mechanics, B/Fluids, 2018, 72, 624-630.	2.5	7
18	Accurate and efficient hydrodynamic analysis of structures with sharp edges by the Extended Finite Element Method (XFEM): 2D studies. Applied Ocean Research, 2021, 117, 102893.	4.1	5

#	Article	IF	Citations
19	Kelvin–Havelock–Peters approximations to a classical generic wave integral. Applied Mathematical Modelling, 2020, 77, 950-962.	4.2	2