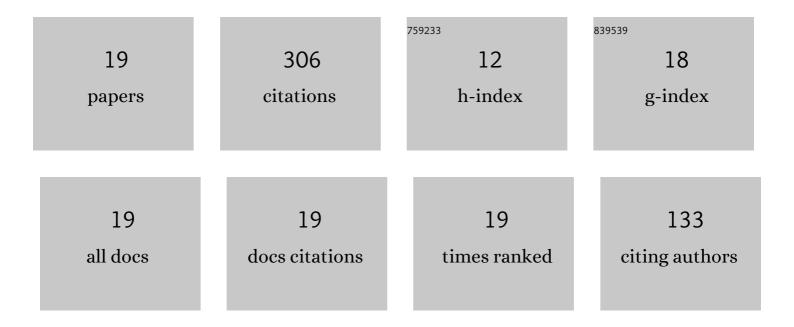
Hui Liang

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Nonlinear liquid sloshing in an upright circular container: Modal responses and higher-order harmonics. Physics of Fluids, 2022, 34, .	4.0	8
2	Water wave interactions with perforated elastic disks: Quadratic pressure discharge condition. Physical Review Fluids, 2022, 7, .	2.5	13
3	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
4	A BEM model for wave forces on structures with thin porous elements. Journal of Fluids and Structures, 2021, 102, 103246.	3.4	33
5	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
6	Water wave scattering by impermeable and perforated plates. Physics of Fluids, 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. Applied Ocean Research, 2021, 117, 102893.	4.1	5
8	Kelvin–Havelock–Peters approximations to a classical generic wave integral. Applied Mathematical Modelling, 2020, 77, 950-962.	4.2	2
9	Efficient methods free of irregular frequencies in wave and solid/porous structure interactions. Journal of Fluids and Structures, 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. Fluids, 2020, 5, 187.	1.7	14
11	Liquid sloshing in an upright circular tank under periodic and transient excitations. Physical Review Fluids, 2020, 5, .	2.5	21
12	Viscous effects on the fundamental solution to ship waves. Journal of Fluid Mechanics, 2019, 879, 744-774.	3.4	12
13	Influence of Froude number and submergence depth on wave patterns. European Journal of Mechanics, B/Fluids, 2019, 75, 258-270.	2.5	16
14	Validation of a global approximation for wave diffraction-radiation in deep water. Applied Ocean Research, 2018, 74, 80-86.	4.1	22
15	New formulations of the ship-motion Green function. Journal of Engineering Mathematics, 2018, 110, 39-61.	1.2	7
16	Asymptotic analysis of capillary–gravity waves generated by a moving disturbance. European Journal of Mechanics, B/Fluids, 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. Journal of Computational Physics, 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. Journal of Hydrodynamics, 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