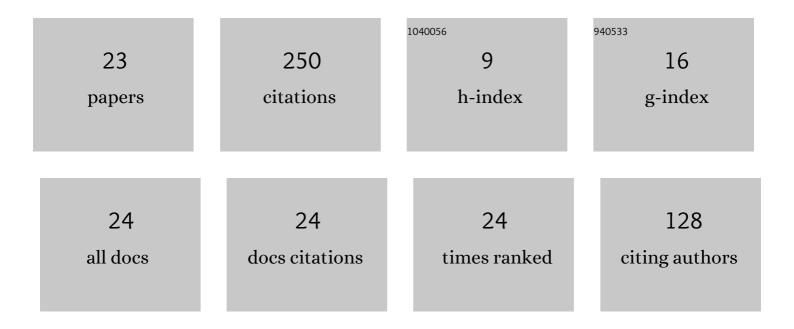
## Zeng Liu

## List of Publications by Year in descending order

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ZENIC LIU

#	Article	IF	CITATIONS
1	Finite-amplitude steady-state resonant waves in a circular basin. Journal of Fluid Mechanics, 2021, 915, .	3.4	5
2	Steady-state harmonic resonance of periodic interfacial waves with free-surface boundary conditions based on the homotopy analysis method. Journal of Fluid Mechanics, 2021, 916, .	3.4	10
3	Effects of surface vortex on the drawdown and dispersion of floating particles in stirred tanks. Particuology, 2020, 49, 159-168.	3.6	9
4	Steady-state multiple near resonances of periodic interfacial waves with rigid boundary. Physics of Fluids, 2020, 32, .	4.0	12
5	Numerical simulations of collinear finite amplitude steady-state resonant waves in deep water. Ocean Engineering, 2020, 212, 107703.	4.3	2
6	A study on nonlinear steady-state waves at resonance in water of finite depth by the amplitude-based homotopy analysis method. Journal of Hydrodynamics, 2020, 32, 888-900.	3.2	4
7	Drawdown mechanism of light particles in baffled stirred tank for the KR desulphurization process. Chinese Journal of Chemical Engineering, 2019, 27, 247-256.	3.5	7
8	Effects of geometrical and physical factors on light particles dispersion by agitation characteristic curve. Chinese Journal of Chemical Engineering, 2019, 27, 2313-2324.	3.5	6
9	On the near resonances of collinear steady-state wave groups in finite water depth. Ocean Engineering, 2019, 182, 584-593.	4.3	6
10	Finite-amplitude steady-state wave groups with multiple near-resonances in finite water depth. Journal of Fluid Mechanics, 2019, 867, 348-373.	3.4	12
11	Performing captive model tests with a hexapod. Ocean Engineering, 2019, 171, 49-58.	4.3	2
12	On the limit cycles, period-doubling, and quasi-periodic solutions of the forced Van der Pol-Duffing oscillator. Numerical Algorithms, 2018, 78, 1217-1231.	1.9	9
13	Finite amplitude steady-state wave groups with multiple near resonances in deep water. Journal of Fluid Mechanics, 2018, 835, 624-653.	3.4	23
14	On the Agitation Characteristic Curve of Medium Light Particles in a Stirred Tank Based on CFD Simulation. Journal of Chemical Engineering of Japan, 2018, 51, 556-565.	0.6	5
15	On Steady-State Multiple Resonances for a Modified Bretherton Equation. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2017, 72, 487-491.	1.5	2
16	Mass, momentum, and energy flux conservation between linear and nonlinear steady-state wave groups. Physics of Fluids, 2017, 29, 127104.	4.0	10
17	A Steady-state Trio for Bretherton Equation. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2016, 71, 1099-1104.	1.5	3
18	On the existence of steady-state resonant waves in experiments. Journal of Fluid Mechanics, 2015, 763, 1-23.	3.4	34

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#	Article	IF	CITATIONS
19	Steady-state resonance of multiple wave interactions in deep water. Journal of Fluid Mechanics, 2014, 742, 664-700.	3.4	48
20	Phase velocity effects of the wave interaction with exponentially sheared current. Wave Motion, 2014, 51, 967-985.	2.0	6
21	On the dispersion relation of nonlinear wave current interaction by means of the HAM. , 2012, , .		0
22	The improved homotopy analysis method for the Thomas–Fermi equation. Applied Mathematics and Computation, 2012, 218, 8363-8369.	2.2	32
23	EXPLICIT SERIES SOLUTION OF A CLOSURE MODEL FOR THE VON KÃRMÃN–HOWARTH EQUATION. ANZIAM Journal, 2010, 52, 179-202.	0.2	2