

# Li Zhou

## List of Publications by Year in descending order

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44  
papers

765  
citations

567281

15  
h-index

526287

27  
g-index

44  
all docs

44  
docs citations

44  
times ranked

197  
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical investigation of harbor oscillations induced by focused transient wave groups. Coastal Engineering, 2020, 158, 103670.	4.0	153
2	Numerical investigation on effects of fringing reefs on low-frequency oscillations within a harbor. Ocean Engineering, 2019, 172, 86-95.	4.3	65
3	Experiments on level ice loading on an icebreaking tanker with different ice drift angles. Cold Regions Science and Technology, 2013, 85, 79-93.	3.5	40
4	Numerical simulation of moored structure station keeping in level ice. Cold Regions Science and Technology, 2012, 71, 54-66.	3.5	39
5	Influence of offshore fringing reefs on infragravity period oscillations within a harbor. Ocean Engineering, 2018, 158, 286-298.	4.3	38
6	A machine learning-based method for prediction of ship performance in ice: Part I. ice resistance. Marine Structures, 2022, 83, 103181.	3.8	34
7	A simulation study on the interaction between sloping marine structure and level ice based on cohesive element model. Cold Regions Science and Technology, 2018, 149, 1-15.	3.5	33
8	Experimental and numerical study on ice resistance for icebreaking vessels. International Journal of Naval Architecture and Ocean Engineering, 2015, 7, 626-639.	2.3	28
9	Numerical modeling of ice loads on an icebreaking tanker: Comparing simulations with model tests. Cold Regions Science and Technology, 2013, 87, 33-46.	3.5	27
10	Simulating transverse icebreaking process considering both crushing and bending failures. Marine Structures, 2017, 54, 167-187.	3.8	26
11	Topographic influences on transient harbor oscillations excited by N-waves. Ocean Engineering, 2019, 192, 106548.	4.3	24
12	Numerical investigation on the effect of baffles on liquid sloshing in 3D rectangular tanks based on nonlinear boundary element method. International Journal of Naval Architecture and Ocean Engineering, 2020, 12, 399-413.	2.3	24
13	Further study on level ice resistance and channel resistance for an icebreaking vessel. International Journal of Naval Architecture and Ocean Engineering, 2016, 8, 169-176.	2.3	21
14	Effects of offshore fringing reefs on the transient harbor resonance excited by solitary waves. Ocean Engineering, 2019, 190, 106422.	4.3	21
15	Ice forces acting on towed ship in level ice with straight drift. Part I: Analysis of model test data. International Journal of Naval Architecture and Ocean Engineering, 2018, 10, 60-68.	2.3	20
16	An engineering method for simulating dynamic interaction of moored ship with first-year ice ridge. Ocean Engineering, 2019, 171, 417-428.	4.3	15
17	Model tests of an icebreaking tanker in broken ice. International Journal of Naval Architecture and Ocean Engineering, 2019, 11, 422-434.	2.3	14
18	Calculation Methods of Icebreaking Capability for a Double-Acting Polar Ship. Journal of Marine Science and Engineering, 2020, 8, 179.	2.6	14

#	ARTICLE	IF	CITATIONS
19	Ice forces acting on towed ship in level ice with straight drift. Part II: Numerical simulation. International Journal of Naval Architecture and Ocean Engineering, 2018, 10, 119-128.	2.3	13
20	Broken ice circumferential crack estimation via image techniques. Ocean Engineering, 2022, 259, 111735.	4.3	13
21	A numerical method to simulate ice drift reversal for moored ships in level ice. Cold Regions Science and Technology, 2018, 152, 35-47.	3.5	12
22	Numerical Study of the Interaction between Level Ice and Wind Turbine Tower for Estimation of Ice Crushing Loads on Structure. Journal of Marine Science and Engineering, 2019, 7, 439.	2.6	11
23	Heading control for turret-moored vessel in level ice based on Kalman filter with thrust allocation. Journal of Marine Science and Technology, 2013, 18, 460-470.	2.9	10
24	Numerical study of harbor oscillations induced by water surface disturbances within harbors of constant depth. Ocean Dynamics, 2018, 68, 1663-1681.	2.2	10
25	Simulation of Ice-Propeller Collision with Cohesive Element Method. Journal of Marine Science and Engineering, 2019, 7, 349.	2.6	9
26	A Simulation of Non-Simultaneous Ice Crushing Force for Wind Turbine Towers with Large Slopes. Energies, 2019, 12, 2608.	3.1	8
27	Numerical simulation of ship maneuverability in level ice considering ice crushing failure. Ocean Engineering, 2022, 251, 111110.	4.3	8
28	A Numerical Ice Load Prediction Model Based on Ice-Hull Collision Mechanism. Applied Sciences (Switzerland), 2020, 10, 692.	2.5	7
29	Resistance Performance of a Ship in Model-Scaled Brush Ice Fields Using CFD and DEM Coupling Model. Frontiers in Energy Research, 0, 10, .	2.3	6
30	Numerical Simulation of Moored Ship in Level Ice. , 2011, , .		3
31	Experimental and numerical study on wave drift forces on a semi-submersible platform in waves. Ships and Offshore Structures, 2017, 12, 56-65.	1.9	3
32	Prediction Method of Ice Resistance and Propulsion Power for Polar Ships. Journal of Shanghai Jiaotong University (Science), 2020, 25, 739-745.	0.9	3
33	An Approach to Determine Optimal Bow Configuration of Polar Ships under Combined Ice and Calm-Water Conditions. Journal of Marine Science and Engineering, 2021, 9, 680.	2.6	3
34	Experimental and Numerical Study on Ice Blockage Performance of Propeller in Cavitation Flow. Water (Switzerland), 2022, 14, 1060.	2.7	3
35	Course stability analysis for towing system of a gravity-based structure in managed ice fields. Ships and Offshore Structures, 2023, 18, 8-20.	1.9	3
36	Dynamic performance optimization of an arctic semi-submersible production system. Ocean Engineering, 2022, 244, 110353.	4.3	2

#	ARTICLE	IF	CITATIONS
37	Numerical Simulation of the Ice Breaking Process for Hovercraft. Journal of Marine Science and Engineering, 2021, 9, 928.	2.6	1
38	Prediction of Ice-Resistance Distribution for R/V Xuelong Using Measured Sea-Ice Parameters. Water (Switzerland), 2022, 14, 517.	2.7	1
39	Subsurface Ice Transport at a Transversally Towed Ship Model. , 2017, , .		0
40	Dynamic Positioning in Ice. , 2020, , 1-8.		0
41	Moored Ship in Ice. , 2020, , 1-7.		0
42	Moored Ship in Ice. , 2022, , 1050-1056.		0
43	Dynamic Positioning in Ice. , 2022, , 433-439.		0
44	Modification Method of Longitudinal Bow Structure for Ice-Strengthened Merchant Ship. Journal of Shanghai Jiaotong University (Science), 2022, 27, 298-306.	0.9	0