

# Jinhai Zheng

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

553  
citations

759233

12  
h-index

642732

23  
g-index

33  
all docs

33  
docs citations

33  
times ranked

401  
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-dimensional numerical model for wave-induced seabed response around mono-pile. <i>Ships and Offshore Structures</i> , 2016, 11, 667-678.	1.9	77
2	Parameterization of nearshore wave front slope. <i>Coastal Engineering</i> , 2017, 127, 80-87.	4.0	77
3	Numerical Study of Sandbar Migration under Wave-Undertow Interaction. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 2014, 140, 146-159.	1.2	65
4	Propagation of tidal waves up in Yangtze Estuary during the dry season. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 6445-6473.	2.6	50
5	Numerical Simulation of Solitary-Wave Propagation over a Steady Current. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 2015, 141, .	1.2	30
6	A Review on Numerical Development of Tidal Stream Turbine Performance and Wake Prediction. <i>IEEE Access</i> , 2020, 8, 79325-79337.	4.2	30
7	Modeling wave-current bottom boundary layers beneath shoaling and breaking waves. <i>Geo-Marine Letters</i> , 2011, 31, 189-201.	1.1	27
8	Spatial and temporal variations of the seasonal sea level cycle in the northwest Pacific. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 7091-7112.	2.6	25
9	Violent transient sloshing-wave interaction with a baffle in a three-dimensional numerical tank. <i>Journal of Ocean University of China</i> , 2017, 16, 661-673.	1.2	18
10	A laboratory study of class III Bragg resonance of gravity surface waves by periodic beds. <i>Physics of Fluids</i> , 2019, 31, .	4.0	14
11	Upstream-propagating waves induced by steady current over a rippled bottom: theory and experimental observation. <i>Journal of Fluid Mechanics</i> , 2021, 910, .	3.4	14
12	The evolution characteristics of main waterways and their control mechanism in the radial sand ridges of the southern Yellow Sea. <i>Acta Oceanologica Sinica</i> , 2017, 36, 91-98.	1.0	13
13	Analytical and numerical investigation of trapped ocean waves along a submerged ridge. <i>Journal of Fluid Mechanics</i> , 2021, 915, .	3.4	12
14	Quantitative relationship between channels and bars in a tidal reach of the lower Yangtze River: Implications for river management. <i>Journal of Chinese Geography</i> , 2021, 31, 1837-1851.	3.9	12
15	Modelling Wave Breaking across Coral Reefs Using a Non-Hydrostatic Model. <i>Journal of Coastal Research</i> , 2018, 85, 501-505.	0.3	10
16	Effects of Damaged Fiber Ropes on the Performance of a Hybrid Taut-Wire Mooring System. <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2020, 142, .	1.2	9
17	Numerical Simulation of Vertical Buoyant Wall Jet Discharged into a Linearly Stratified Environment. <i>Journal of Hydraulic Engineering</i> , 2018, 144, .	1.5	8
18	Subtidal Flow Reversal Associated With Sediment Accretion in a Delta Channel. <i>Water Resources Research</i> , 2019, 55, 10781-10795.	4.2	8

#	ARTICLE	IF	CITATIONS
19	Spectral wave transformation model for simulating refraction-diffraction with strongly reflecting coastal structures. <i>Acta Oceanologica Sinica</i> , 2011, 30, 25-32.	1.0	7
20	Numerical study of seasonal circulation and variability over the inner shelf of the northern South China Sea. <i>Ocean Dynamics</i> , 2015, 65, 1103-1120.	2.2	6
21	An Investigation on Creep and Creep-Rupture Behaviors of HMPE Ropes. <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2018, 140, .	1.2	6
22	Utilization of Industrial Waste in Cement in a Marine Environment with a Tropical Climate. <i>Journal of Marine Science and Engineering</i> , 2019, 7, 245.	2.6	6
23	Pickup rate of non-cohesive sediments in low-velocity flows. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2022, 60, 125-135.	1.7	6
24	Tidal current and tidal energy changes imposed by a dynamic tidal power system in the Taiwan Strait, China. <i>Journal of Ocean University of China</i> , 2017, 16, 953-964.	1.2	5
25	Numerical hydrodynamics study around turbine array of tidal stream farm in Zhoushan, China. <i>Journal of Ocean University of China</i> , 2017, 16, 703-708.	1.2	5
26	Trapping mechanism for long waves over circular islands with power function profiles. <i>Journal of Ocean University of China</i> , 2017, 16, 655-660.	1.2	4
27	Application of the Sonar Detection Technique to Inspection of Vertical Quay Wall. <i>Journal of Coastal Research</i> , 2020, 95, 325.	0.3	3
28	Wave Nonlinearity Correction for Parametric Nearshore Wave Modelling. <i>Journal of Coastal Research</i> , 2018, 85, 996-1000.	0.3	2
29	Multiphase Fluid Dynamics in Storage Tanks of Varying Geometry. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2021, 143, .	1.5	2
30	Influences of wave forcing and morphological variability on the evolution of a double-sandbar system. <i>Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment</i> , 2016, 230, 467-480.	0.5	1
31	Analytical solution for salt intrusion in multiple-freshwater-source estuaries: application to Humen Estuary. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	2.7	1
32	Behavior-oriented calculation of the annual coastal bathymetry evolution caused by a reclamation work. <i>Acta Oceanologica Sinica</i> , 2017, 36, 86-93.	1.0	0
33	Analytic Arrival-Time Prediction Method for the Largest Wave of Tsunami Trapped by Parabolic Oceanic Ridges. <i>Journal of Earthquake and Tsunami</i> , 2017, 11, 1740004.	1.3	0