

# Jinhai Zheng

## List of Publications by Year in descending order

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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	Pickup rate of non-cohesive sediments in low-velocity flows. Journal of Hydraulic Research/De Recherches Hydrauliques, 2022, 60, 125-135.	1.7	6
2	Analytical and numerical investigation of trapped ocean waves along a submerged ridge. Journal of Fluid Mechanics, 2021, 915, .	3.4	12
3	Upstream-propagating waves induced by steady current over a rippled bottom: theory and experimental observation. Journal of Fluid Mechanics, 2021, 910, .	3.4	14
4	Multiphase Fluid Dynamics in Storage Tanks of Varying Geometry. Journal of Fluids Engineering, Transactions of the ASME, 2021, 143, .	1.5	2
5	Quantitative relationship between channels and bars in a tidal reach of the lower Yangtze River: Implications for river management. Journal of Chinese Geography, 2021, 31, 1837-1851.	3.9	12
6	A Review on Numerical Development of Tidal Stream Turbine Performance and Wake Prediction. IEEE Access, 2020, 8, 79325-79337.	4.2	30
7	Effects of Damaged Fiber Ropes on the Performance of a Hybrid Taut-Wire Mooring System. Journal of Offshore Mechanics and Arctic Engineering, 2020, 142, .	1.2	9
8	Application of the Sonar Detection Technique to Inspection of Vertical Quay Wall. Journal of Coastal Research, 2020, 95, 325.	0.3	3
9	A laboratory study of class III Bragg resonance of gravity surface waves by periodic beds. Physics of Fluids, 2019, 31, .	4.0	14
10	Utilization of Industrial Waste in Cement in a Marine Environment with a Tropical Climate. Journal of Marine Science and Engineering, 2019, 7, 245.	2.6	6
11	Subtidal Flow Reversal Associated With Sediment Accretion in a Delta Channel. Water Resources Research, 2019, 55, 10781-10795.	4.2	8
12	Numerical Simulation of Vertical Buoyant Wall Jet Discharged into a Linearly Stratified Environment. Journal of Hydraulic Engineering, 2018, 144, .	1.5	8
13	An Investigation on Creep and Creep-Rupture Behaviors of HMPE Ropes. Journal of Offshore Mechanics and Arctic Engineering, 2018, 140, .	1.2	6
14	Wave Nonlinearity Correction for Parametric Nearshore Wave Modelling. Journal of Coastal Research, 2018, 85, 996-1000.	0.3	2
15	Modelling Wave Breaking across Coral Reefs Using a Non-Hydrostatic Model. Journal of Coastal Research, 2018, 85, 501-505.	0.3	10
16	Analytical solution for salt intrusion in multiple-freshwater-source estuaries: application to Humen Estuary. Environmental Earth Sciences, 2017, 76, 1.	2.7	1
17	Trapping mechanism for long waves over circular islands with power function profiles. Journal of Ocean University of China, 2017, 16, 655-660.	1.2	4
18	Behavior-oriented calculation of the annual coastal bathymetry evolution caused by a reclamation work. Acta Oceanologica Sinica, 2017, 36, 86-93.	1.0	0

#	ARTICLE	IF	CITATIONS
19	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
20	Parameterization of nearshore wave front slope. <i>Coastal Engineering</i> , 2017, 127, 80-87.	4.0	77
21	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
22	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
23	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
24	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
25	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
26	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
27	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
28	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
29	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
30	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
31	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
32	Modeling wave-current bottom boundary layers beneath shoaling and breaking waves. <i>Geo-Marine Letters</i> , 2011, 31, 189-201.	1.1	27
33	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