Ji-Sheng Zhang

List of Publications by Year
in descending order

69	1,072	471509 17	454955 30
papers	citations	h-index	g-index

69	69	69	560
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Investigation of nonlinear wave-induced seabed response around mono-pile foundation. Coastal Engineering, 2017, 121, 197-211.	4.0	94
2	The influence of waves propagating with the current on the wake of a tidal stream turbine. Applied Energy, 2021, 290, 116729.	10.1	79
3	Three-dimensional numerical model for wave-induced seabed response around mono-pile. Ships and Offshore Structures, 2016, 11, 667-678.	1.9	77
4	Consolidation of unsaturated seabed around an inserted pile foundation and its effects on the wave-induced momentary liquefaction. Ocean Engineering, 2017, 131, 308-321.	4.3	64
5	Experimental investigation into downstream field of a horizontal axis tidal stream turbine supported by a mono pile. Applied Ocean Research, 2020, 101, 102257.	4.1	50
6	Laboratory experimental study of ocean waves propagating over a partially buried pipeline in a trench layer. Ocean Engineering, 2019, 173, 617-627.	4.3	42
7	Nonredox Metal Ions Promoted Olefin Epoxidation by Iron(II) Complexes with H₂O₂: DFT Calculations Reveal Multiple Channels for Oxygen Transfer. Inorganic Chemistry, 2017, 56, 15138-15149.	4.0	35
8	Experimental investigation into effects of boundary proximity and blockage on horizontal-axis tidal turbine wake. Ocean Engineering, 2021, 225, 108829.	4.3	34
9	Experiments on the mean and integral characteristics of tidal turbine wake in the linear waves propagating with the current. Ocean Engineering, 2019, 173, 1-11.	4.3	32
10	Scour protection of submarine pipelines using rubber plates underneath the pipes. Ocean Engineering, 2014, 84, 176-182.	4.3	30
11	Tidal Stream Energy in China. Procedia Engineering, 2015, 116, 880-887.	1.2	30
12	Numerical Simulation of Solitary-Wave Propagation over a Steady Current. Journal of Waterway, Port, Coastal and Ocean Engineering, 2015, 141, .	1.2	30
13	A Review on Numerical Development of Tidal Stream Turbine Performance and Wake Prediction. IEEE Access, 2020, 8, 79325-79337.	4.2	30
14	Nonredox Metal-Ions-Enhanced Dioxygen Activation by Oxidovanadium(IV) Complexes toward Hydrogen Atom Abstraction. Inorganic Chemistry, 2017, 56, 834-844.	4.0	28
15	Redox inactive metal ion triggered N-dealkylation by an iron catalyst with dioxygen activation: a lesson from lipoxygenases. Dalton Transactions, 2015, 44, 9847-9859.	3.3	24
16	Experimental study on soil response and wave attenuation in a silt bed. Ocean Engineering, 2018, 160, 105-118.	4.3	22
17	Potential Assessment of Tidal Stream Energy Around Hulu Island, China. Procedia Engineering, 2015, 116, 871-879.	1.2	18
18	Physical Model of wave-induced seabed response around trenched pipeline in sandy seabed. Applied Ocean Research, 2018, 75, 37-52.	4.1	18

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19	Experimental Analysis and Evaluation of the Numerical Prediction of Wake Characteristics of Tidal Stream Turbine. Energies, 2017, 10, 2057.	3.1	17
20	Flow structures in wake of a pile-supported horizontal axis tidal stream turbine. Renewable Energy, 2020, 147, 2321-2334.	8.9	17
21	Investigation of array layout of tidal stream turbines on energy extraction efficiency. Ocean Engineering, 2020, 196, 106775.	4.3	16
22	Numerical investigation of flow motion and performance of a horizontal axis tidal turbine subjected to a steady current. China Ocean Engineering, 2015, 29, 209-222.	1.6	14
23	A laboratory study of class III Bragg resonance of gravity surface waves by periodic beds. Physics of Fluids, 2019, 31, .	4.0	14
24	Dynamic Impedances of Offshore Rock-Socketed Monopiles. Journal of Marine Science and Engineering, 2019, 7, 134.	2.6	14
25	Experimental investigation of wave-driven pore-water pressure and wave attenuation in a sandy seabed. Advances in Mechanical Engineering, 2016, 8, 168781401665120.	1.6	13
26	Predictions for Dynamic Tidal Power and Associated Local Hydrodynamic Impact in the Taiwan Strait, China. Journal of Coastal Research, 2017, 331, 149-157.	0.3	13
27	Influence of blade numbers on start-up performance of vertical axis tidal current turbines. Ocean Engineering, 2022, 243, 110314.	4.3	12
28	A new model for the vibration isolation via pile rows consisting of infinite number of piles. International Journal for Numerical and Analytical Methods in Geomechanics, 2013, 37, 2394-2426.	3.3	11
29	2-D integrated numerical modeling for the potential of solitary wave-induced residual liquefaction over a sloping porous seabed. Journal of Ocean Engineering and Marine Energy, 2016, 2, 1-18.	1.7	11
30	Experimental study of the wake homogeneity evolution behind a horizontal axis tidal stream turbine. Applied Ocean Research, 2021, 111, 102644.	4.1	11
31	Predictability of wave-induced net sediment transport using the conventional 1DV RANS diffusion model. Geo-Marine Letters, 2014, 34, 353-364.	1.1	10
32	Numerical analysis and performance optimization of a submerged wave energy converting device based on the floating breakwater. Journal of Renewable and Sustainable Energy, 2017, 9, .	2.0	10
33	Experimental investigation on wake and thrust characteristics of a twin-rotor horizontal axis tidal stream turbine. Renewable Energy, 2022, 195, 701-715.	8.9	10
34	Numerical study on the interaction between waves and twin pipelines in sandy seabed. Journal of Coastal Research, 2013, 65, 428-433.	0.3	9
35	Comparison of Actuator Line Method and Full Rotor Geometry Simulations of the Wake Field of a Tidal Stream Turbine. Water (Switzerland), 2019, 11, 560.	2.7	9
36	Modelling study of wave damping over a sandy and a silty bed. Coastal Engineering, 2020, 161, 103756.	4.0	9

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37	Study of wave-induced seabed response around twin pipelines in sandy seabed through laboratory experiments and numerical simulations. Ocean Engineering, 2022, 244, 110344.	4.3	9
38	Energy extraction performance of a flapping wing with active elastic airbag deformation at the leading edge. Ocean Engineering, 2021, 228, 108901.	4.3	7
39	Numerical Simulation and Analysis of Storm Surges Under Different Extreme Weather Event and Typhoon Experiments in the South Yellow Sea. Journal of Ocean University of China, 2022, 21, 1-14.	1.2	7
40	Numerical Study on Effects of the Embedded Monopile Foundation on Local Wave-Induced Porous Seabed Response. Mathematical Problems in Engineering, 2015, 2015, 1-13.	1.1	6
41	Experimental study on the cyclic behavior of monopiles in fine sandy beds under regular waves. China Ocean Engineering, 2017, 31, 607-617.	1.6	6
42	Numerical study of hydrodynamic mechanism of dynamic tidal power. Water Science and Engineering, 2018, 11, 220-228.	3.2	6
43	3-Dimensional numerical study of wave-induced seabed response around three different types of wind turbine pile foundations. SN Applied Sciences, 2019, 1, 1.	2.9	6
44	Hydrodynamic Performance of a Hybrid System Combining a Fixed Breakwater and a Wave Energy Converter: An Experimental Study. Energies, 2020, 13, 5740.	3.1	6
45	Wave induced silty seabed response around a trenched pipeline. Ocean Engineering, 2022, 245, 110527.	4.3	6
46	Comparison of turbulence schemes for prediction of wave-induced near-bed sediment suspension above a plane bed. China Ocean Engineering, 2011, 25, 395-412.	1.6	5
47	Tidal current and tidal energy changes imposed by a dynamic tidal power system in the Taiwan Strait, China. Journal of Ocean University of China, 2017, 16, 953-964.	1.2	5
48	Numerical hydrodynamics study around turbine array of tidal stream farm in Zhoushan, China. Journal of Ocean University of China, 2017, 16, 703-708.	1.2	5
49	Three-dimensional model for wave-induced dynamic pore pressure around monopile foundation. AIP Conference Proceedings, 2012, , .	0.4	4
50	New Concept for Assessment of Tidal Current Energy in Jiangsu Coast, China. Advances in Mechanical Engineering, 2013, 5, 340501.	1.6	4
51	A 3D numerical analysis of wave-induced seabed response around a monopile structure. Geomechanics and Geoengineering, 2019, , 1-21.	1.8	4
52	Interactions between tidal stream turbine arrays and their hydrodynamic impact around Zhoushan Island, China. Ocean Engineering, 2022, 246, 110431.	4.3	4
53	Modeling of Wave-Induced Seabed Response and Liquefaction Potential Around Pile Foundation. , 2013, , .		3
54	Parametric modeling of three-dimensional geometry of warp-knitted loop based on variation of process parameters. Journal of the Textile Institute, 2018, 109, 1193-1201.	1.9	3

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55	Wave tank experiments on the power capture of a float-type wave energy device with a breakwater. Journal of Renewable and Sustainable Energy, 2018, 10, .	2.0	3
56	Two-dimensional model of wave-induced response of seabed around permeable submerged breakwater. Advances in Mechanical Engineering, 2019, 11, 168781401983080.	1.6	3
57	Dynamic vertical and rocking impedances of a strip foundation in offshore engineering. Marine Georesources and Geotechnology, 2021, 39, 832-841.	2.1	3
58	Experimental investigation of a triple pontoon wave energy converter and breakwater hybrid system. IET Renewable Power Generation, 2021, 15, 3151-3164.	3.1	3
59	Influence of Swept Blades on the Performance and Hydrodynamic Characteristics of a Bidirectional Horizontal-Axis Tidal Turbine. Journal of Marine Science and Engineering, 2022, 10, 365.	2.6	2
60	An integrated model of wave-seabed-structure interactions. Journal of Hydrodynamics, 2010, 22, 126-131.	3.2	1
61	Relationships between warp-knitted run-in value and process parameters. Journal of the Textile Institute, 0, , 1-7.	1.9	1
62	Using the Elastic Vertical Vibration of a Rigid Caisson at Low Frequencies to Stabilize the Foundation of Coastal Engineering Structures. Journal of Coastal Research, 2017, 33, 989-996.	0.3	1
63	Coastal Geohazard and Offshore Geotechnics. Journal of Marine Science and Engineering, 2020, 8, 1011.	2.6	1
64	Dynamic impedances of ring disks buried in arbitrary depths. European Journal of Environmental and Civil Engineering, 0, , 1-21.	2.1	1
65	Coastal Hazards Caused by Different Extreme Storms in the Bohai Sea, China. Journal of Coastal Research, 2018, 85, 816-820.	0.3	0
66	Numerical Study on Layout Optimization of Tidal Stream Turbines in Zhoushan Demonstration Project. , 2017, , .		0
67	Wake Characteristics of a Tidal Stream Turbine under Combined Wave and Current. Journal of Coastal Research, 2020, 95, 1558.	0.3	0
68	Numerical Study of Performance of Horizontal-Axis Tidal Turbine with Different Configurations. , 2021, , .		0
69	Experimental Investigation of the Response of Monopiles in Silty Seabed to Regular Wave Action. China Ocean Engineering, 2022, 36, 112-122.	1.6	0