

# Zhen Guo

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

646  
citations

623734

14  
h-index

610901

24  
g-index

36  
all docs

36  
docs citations

36  
times ranked

309  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental study on wave-induced seabed response and force on the pipeline shallowly buried in a submerged sandy slope. <i>Ocean Engineering</i> , 2022, 251, 111153.	4.3	7
2	An Innovative Eco-friendly Method for Scour Protection around Monopile Foundation. <i>Applied Ocean Research</i> , 2022, 123, 103177.	4.1	13
3	Numerical investigations on load transfer of mooring line considering chain-seabed dynamic interaction. <i>Marine Georesources and Geotechnology</i> , 2021, 39, 1433-1448.	2.1	11
4	Monotonic behavior of interface shear between carbonate sands and steel. <i>Acta Geotechnica</i> , 2021, 16, 167-187.	5.7	48
5	Dynamic vertical and rocking impedances of a strip foundation in offshore engineering. <i>Marine Georesources and Geotechnology</i> , 2021, 39, 832-841.	2.1	3
6	Cyclic behavior of interface shear between carbonate sand and steel. <i>Acta Geotechnica</i> , 2021, 16, 189-209.	5.7	45
7	Interface Shear Behavior between MICP-Treated Calcareous Sand and Steel. <i>Journal of Materials in Civil Engineering</i> , 2021, 33, .	2.9	32
8	Impact of two-dimensional seepage flow on sediment incipient motion under waves. <i>Applied Ocean Research</i> , 2021, 108, 102510.	4.1	17
9	Characteristics of Breaking Wave Forces on Piles over a Permeable Seabed. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 520.	2.6	4
10	The Role of 2D Seepage on Sediment Incipient Motion around a Pipeline. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 580.	2.6	7
11	Structure-seabed Interactions in Marine Environments. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 972.	2.6	3
12	Experimental investigations on the stability of clayey sloping seabed under wave actions. <i>Ocean Engineering</i> , 2021, 239, 109805.	4.3	11
13	Modified Shields number for sediment incipient motion around a pile with impact of three-dimensional seepage in a porous seabed. <i>Applied Ocean Research</i> , 2021, 117, 102896.	4.1	9
14	Prediction of the whole mooring chain reaction to cyclic motion of a fairlead. <i>Bulletin of Engineering Geology and the Environment</i> , 2019, 78, 2197-2213.	3.5	8
15	Load Transfer of Offshore Open-Ended Pipe Piles Considering the Effect of Soil Plugging. <i>Journal of Marine Science and Engineering</i> , 2019, 7, 313.	2.6	16
16	Dynamic Impedances of Offshore Rock-Socketed Monopiles. <i>Journal of Marine Science and Engineering</i> , 2019, 7, 134.	2.6	14
17	A novel t-z model to predict the pile responses under axial cyclic loadings. <i>Computers and Geotechnics</i> , 2019, 112, 120-134.	4.7	24
18	Numerical Simulations of Wave-induced Soil Erosion in Silty Sand Seabeds. <i>Journal of Marine Science and Engineering</i> , 2019, 7, 52.	2.6	8

#	ARTICLE	IF	CITATIONS
19	Effect of seepage flow on sediment incipient motion around a free spanning pipeline. Coastal Engineering, 2019, 143, 50-62.	4.0	66
20	Effect of seepage flow on shields number around a fixed and sagging pipeline. Ocean Engineering, 2019, 172, 487-500.	4.3	40
21	Failure mode and capacity of suction caisson under inclined short-term static and one-way cyclic loadings. Marine Georesources and Geotechnology, 2018, 36, 52-63.	2.1	19
22	Time development of scour around pile groups in tidal currents. Ocean Engineering, 2018, 163, 400-418.	4.3	42
23	Simplified approximation for seepage effect on penetration resistance of suction caissons in sand. Ships and Offshore Structures, 2017, 12, 980-990.	1.9	14
24	Model Tests on the Long-Term Dynamic Performance of Offshore Wind Turbines Founded on Monopiles in Sand. Journal of Offshore Mechanics and Arctic Engineering, 2015, 137, .	1.2	36
25	Field Tests of the Lateral Monotonic and Cyclic Performance of Jet-Grouting-Reinforced Cast-in-Place Piles. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2015, 141, .	3.0	32
26	Landslide Impact on Submarine Pipelines: Analytical and Numerical Analysis. Journal of Engineering Mechanics - ASCE, 2015, 141, .	2.9	28
27	Discussion of "Pore-Water Pressure Development Caused by Wave-Induced Cyclic Loading in Deep Porous Formation" by Africa M. Geremew. International Journal of Geomechanics, 2014, 14, 326-328.	2.7	5
28	Simplified Approximation of Wave-Induced Liquefaction in a Shallow Porous Seabed. International Journal of Geomechanics, 2014, 14, .	2.7	12
29	Set-up and Pullout Mechanism of Suction Caisson in a Soft Clay Seabed. Marine Georesources and Geotechnology, 2014, 32, 135-154.	2.1	13
30	Possible existing seismic analysis errors of long span structures and bridges while utilizing multi-point earthquake calculation models. Bulletin of Earthquake Engineering, 2013, 11, 1683-1710.	4.1	10
31	Efficient and Accurate Method for Calculating the Stochastic Seismic Response of a Nonproportionally Damped Structure. Journal of Structural Engineering, 2013, 139, 472-477.	3.4	4
32	Numerical Model for Pipeline Laying During S-lay. Journal of Offshore Mechanics and Arctic Engineering, 2012, 134, .	1.2	13
33	NUMERICAL PREDICTION OF LANDSLIDE IMPACT ON SUBMARINE PIPELINES. , 2011, , .		0
34	Undrained bearing capacity of spudcan under combined loading. China Ocean Engineering, 2011, 25, 15-30.	1.6	3
35	Perturbation spectrum method for seismic analysis of non-classically damped systems. Journal of Zhejiang University: Science A, 2010, 11, 325-334.	2.4	2
36	Numerical analysis of pipeline in J-lay problem. Journal of Zhejiang University: Science A, 2010, 11, 908-920.	2.4	27