

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	Effect of seepage flow on sediment incipient motion around a free spanning pipeline. Coastal Engineering, 2019, 143, 50-62.	4.0	66
2	Monotonic behavior of interface shear between carbonate sands and steel. Acta Geotechnica, 2021, 16, 167-187.	5.7	48
3	Cyclic behavior of interface shear between carbonate sand and steel. Acta Geotechnica, 2021, 16, 189-209.	5.7	45
4	Time development of scour around pile groups in tidal currents. Ocean Engineering, 2018, 163, 400-418.	4.3	42
5	Effect of seepage flow on shields number around a fixed and sagging pipeline. Ocean Engineering, 2019, 172, 487-500.	4.3	40
6	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
7	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
8	Interface Shear Behavior between MICP-Treated Calcareous Sand and Steel. Journal of Materials in Civil Engineering, 2021, 33, .	2.9	32
9	Landslide Impact on Submarine Pipelines: Analytical and Numerical Analysis. Journal of Engineering Mechanics - ASCE, 2015, 141, .	2.9	28
10	Numerical analysis of pipeline in J-lay problem. Journal of Zhejiang University: Science A, 2010, 11, 908-920.	2.4	27
11	A novel t-z model to predict the pile responses under axial cyclic loadings. Computers and Geotechnics, 2019, 112, 120-134.	4.7	24
12	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
13	Impact of two-dimensional seepage flow on sediment incipient motion under waves. Applied Ocean Research, 2021, 108, 102510.	4.1	17
14	Load Transfer of Offshore Open-Ended Pipe Piles Considering the Effect of Soil Plugging. Journal of Marine Science and Engineering, 2019, 7, 313.	2.6	16
15	Simplified approximation for seepage effect on penetration resistance of suction caissons in sand. Ships and Offshore Structures, 2017, 12, 980-990.	1.9	14
16	Dynamic Impedances of Offshore Rock-Socketed Monopiles. Journal of Marine Science and Engineering, 2019, 7, 134.	2.6	14
17	Numerical Model for Pipeline Laying During S-lay. Journal of Offshore Mechanics and Arctic Engineering, 2012, 134, .	1.2	13
18	Set-up and Pullout Mechanism of Suction Caisson in a Soft Clay Seabed. Marine Georesources and Geotechnology, 2014, 32, 135-154.	2.1	13

#	ARTICLE	IF	CITATIONS
19	An Innovative Eco-friendly Method for Scour Protection around Monopile Foundation. Applied Ocean Research, 2022, 123, 103177.	4.1	13
20	Simplified Approximation of Wave-Induced Liquefaction in a Shallow Porous Seabed. International Journal of Geomechanics, 2014, 14, .	2.7	12
21	Numerical investigations on load transfer of mooring line considering chainâ€™ seabed dynamic interaction. Marine Georesources and Geotechnology, 2021, 39, 1433-1448.	2.1	11
22	Experimental investigations on the stability of clayey sloping seabed under wave actions. Ocean Engineering, 2021, 239, 109805.	4.3	11
23	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
24	Modified Shields number for sediment incipient motion around a pile with impact of three-dimensional seepage in a porous seabed. Applied Ocean Research, 2021, 117, 102896.	4.1	9
25	Prediction of the whole mooring chain reaction to cyclic motion of a fairlead. Bulletin of Engineering Geology and the Environment, 2019, 78, 2197-2213.	3.5	8
26	Numerical Simulations of Wave-induced Soil Erosion in Silty Sand Seabeds. Journal of Marine Science and Engineering, 2019, 7, 52.	2.6	8
27	The Role of 2D Seepage on Sediment Incipient Motion around a Pipeline. Journal of Marine Science and Engineering, 2021, 9, 580.	2.6	7
28	Experimental study on wave-induced seabed response and force on the pipeline shallowly buried in a submerged sandy slope. Ocean Engineering, 2022, 251, 111153.	4.3	7
29	Discussion of â€™Pore-Water Pressure Development Caused by Wave-Induced Cyclic Loading in Deep Porous Formationâ€™ by Africa M. Geremew. International Journal of Geomechanics, 2014, 14, 326-328.	2.7	5
30	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
31	Characteristics of Breaking Wave Forces on Piles over a Permeable Seabed. Journal of Marine Science and Engineering, 2021, 9, 520.	2.6	4
32	Undrained bearing capacity of spudcan under combined loading. China Ocean Engineering, 2011, 25, 15-30.	1.6	3
33	Dynamic vertical and rocking impedances of a strip foundation in offshore engineering. Marine Georesources and Geotechnology, 2021, 39, 832-841.	2.1	3
34	Structureâ€™ Seabed Interactions in Marine Environments. Journal of Marine Science and Engineering, 2021, 9, 972.	2.6	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 PREDICTION OF LANDSLIDE IMPACT ON SUBMARINE PIPELINES. , 2011, , .		0