

Dong Wang

List of Publications by Year in descending order

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53
papers

1,467
citations

394421

19
h-index

330143

37
g-index

54
all docs

54
docs citations

54
times ranked

577
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of undrained shear strength of surficial marine clays using ball penetration-based CFD modelling. <i>Acta Geotechnica</i> , 2022, 17, 1627-1643.	5.7	44
2	Improved Prediction of Peak Resistance for Spudcan Penetration in Sand Layer Overlying Clay. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2022, 148, .	3.0	3
3	Capacities of tripod bucket foundation under uniaxial and combined loading considering adhesion factor. <i>Marine Georesources and Geotechnology</i> , 2022, 40, 1520-1528.	2.1	2
4	Numerical investigation of spudcan penetration under partially drained conditions. <i>Ocean Engineering</i> , 2022, 244, 110425.	4.3	4
5	A modified state parameter for sands. <i>Acta Geotechnica</i> , 2022, 17, 3397-3405.	5.7	1
6	Ecofriendly improvement of coastal calcareous sandy slope using recycled shredded coconut coir (RSC) and bio-cement. <i>Acta Geotechnica</i> , 2022, 17, 5375-5389.	5.7	7
7	The capacities of tripod bucket foundation under uniaxial and combined loading. <i>Ocean Engineering</i> , 2021, 220, 108400.	4.3	20
8	Numerical investigations of retrogressive failure in sensitive clays: revisiting 1994 Sainte-Monique slide, Quebec. <i>Landslides</i> , 2021, 18, 1327-1336.	5.4	12
9	Large Deformation Finite Element Analysis of CPT in Calcareous Sands. <i>Lecture Notes in Civil Engineering</i> , 2021, , 552-559.	0.4	0
10	Smoothed Classic Yield Function for C2 Continuities in Tensile Cutoff, Compressive Cap, and Deviatoric Sections. <i>International Journal of Geomechanics</i> , 2021, 21, .	2.7	8
11	Capacity of plate anchors in clay under sustained uplift. <i>Ocean Engineering</i> , 2021, 226, 108799.	4.3	7
12	Optimization for the Assessment of Spudcan Peak Resistance in Clay-Sand-Clay Deposits. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 689.	2.6	3
13	Numerical Modeling Approach for Steel Catenary Riser Behavior at Touchdown Zone. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2021, 147, .	3.0	1
14	Spatial Distribution of CaCO ₃ in Biocemented Sandy Slope Using Surface Percolation. <i>Journal of Materials in Civil Engineering</i> , 2021, 33, .	2.9	14
15	Implementation of absorbing boundary conditions in dynamic simulation of the material point method. <i>Journal of Zhejiang University: Science A</i> , 2021, 22, 870-881.	2.4	1
16	Assessment of depth-averaged method in analysing runout of submarine landslide. <i>Landslides</i> , 2020, 17, 543-555.	5.4	24
17	Criteria for planar shear band propagation in submarine landslides along weak layers. <i>Landslides</i> , 2020, 17, 855-876.	5.4	11
18	Finite element modelling for as-laid embedment of pipeline in clayey sediments. <i>Ocean Engineering</i> , 2020, 217, 107963.	4.3	3

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19	Stability analysis of cut slope with shear band propagation along a weak layer. <i>Computers and Geotechnics</i> , 2020, 125, 103676.	4.7	18
20	Improved Prediction of Spudcan Penetration Resistance by an Observation-Optimized Model. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2020, 146, .	3.0	8
21	Large Deformation Finite-Element Simulation of Displacement-Pile Installation Experiments in Sand. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2020, 146, .	3.0	32
22	Transition from shear band propagation to global slab failure in submarine landslides. <i>Canadian Geotechnical Journal</i> , 2019, 56, 554-569.	2.8	19
23	Cyclic Capacity and Diving Potential of Novel Fish Anchor in Calcareous Silt. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2019, 145, 04019054.	3.0	4
24	Numerical investigation of spudcan-footprint interaction in non-uniform clays. <i>Ocean Engineering</i> , 2019, 188, 106295.	4.3	6
25	Tensile monotonic capacity of helical anchors in sand: interaction between helices. <i>Canadian Geotechnical Journal</i> , 2019, 56, 1534-1543.	2.8	42
26	Introduction to the thematic set of papers on: marine engineering geology. <i>Bulletin of Engineering Geology and the Environment</i> , 2018, 77, 893-895.	3.5	2
27	Estimating Spudcan Penetration Resistance in Stiff-Soft-Stiff Clay. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2018, 144, .	3.0	16
28	Numerical simulation of caisson installation and dissipation in kaolin clay and calcareous silt. <i>Bulletin of Engineering Geology and the Environment</i> , 2018, 77, 953-962.	3.5	12
29	In situ observation of storm-wave-induced seabed deformation with a submarine landslide monitoring system. <i>Bulletin of Engineering Geology and the Environment</i> , 2018, 77, 1091-1102.	3.5	31
30	Numerical modelling of the effects of consolidation on the undrained spudcan capacity under combined loading in silty clay. <i>Computers and Geotechnics</i> , 2017, 86, 33-51.	4.7	20
31	Runout of submarine landslide simulated with material point method. <i>Journal of Hydrodynamics</i> , 2017, 29, 438-444.	3.2	24
32	Runout of Submarine Landslide Simulated with Material Point Method. <i>Procedia Engineering</i> , 2017, 175, 357-364.	1.2	15
33	Investigation of impact forces on pipeline by submarine landslide using material point method. <i>Ocean Engineering</i> , 2017, 146, 21-28.	4.3	76
34	Recent Advances in Anchor Design for Floating Structures. <i>International Journal of Offshore and Polar Engineering</i> , 2017, 27, 44-53.	0.8	14
35	Dynamic propagation criteria for catastrophic failure in planar landslides. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2016, 40, 2312-2338.	3.3	18
36	Numerical modelling of the effects of consolidation on jack-up spudcan penetration. <i>Computers and Geotechnics</i> , 2016, 78, 25-37.	4.7	31

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37	Effect of footing shape on penetration in sand overlying clay. International Journal of Physical Modelling in Geotechnics, 2016, 16, 119-133.	0.6	24
38	Large deformation finite element analyses in geotechnical engineering. Computers and Geotechnics, 2015, 65, 104-114.	4.7	197
39	A GPU parallel computing strategy for the material point method. Computers and Geotechnics, 2015, 66, 31-38.	4.7	36
40	New Design Approach for Spudcan Penetration in Nonuniform Clay with an Interbedded Stiff Layer. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2015, 141, .	3.0	27
41	Limit Analysis of Slopes Reinforced with Multi-Directional Anchors. Applied Mechanics and Materials, 2014, 501-504, 27-31.	0.2	2
42	Numerical Simulation of CPT Cone Penetration in Sand. Applied Mechanics and Materials, 2014, 553, 416-421.	0.2	3
43	Numerical simulation of cone penetration testing using a new critical state constitutive model for sand. Computers and Geotechnics, 2014, 56, 50-60.	4.7	36
44	A simple implementation of RITSS and its application in large deformation analysis. Computers and Geotechnics, 2014, 56, 160-167.	4.7	83
45	Effect of Installation on the Bearing Capacity of a Spudcan under Combined Loading in Soft Clay. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2014, 140, .	3.0	38
46	Predicting the resistance profile of a spudcan penetrating sand overlying clay. Canadian Geotechnical Journal, 2014, 51, 1151-1164.	2.8	98
47	Physical and Numerical Modelling of Installation and Pull-Out of Dynamically Penetrating Anchors in Clay and Silt. , 2013, , .		9
48	The Dynamically Embedded Plate Anchor: Results From an Experimental and Numerical Study. , 2013, , .		4
49	Large Deformation Analysis of Spudcan Penetration into Sand Overlying Normally Consolidated Clay. Springer Series in Geomechanics and Geoenvironmental Engineering, 2013, , 723-733.	0.1	1
50	Keying of Rectangular Plate Anchors in Normally Consolidated Clays. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2011, 137, 1244-1253.	3.0	67
51	Three-Dimensional Large Deformation Finite-Element Analysis of Plate Anchors in Uniform Clay. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 355-365.	3.0	162
52	Large-deformation finite element analysis of pipe penetration and large-amplitude lateral displacement. Canadian Geotechnical Journal, 2010, 47, 842-856.	2.8	127
53	Three-Dimensional Large Deformation Analyses of Plate Anchor Keying in Clay. , 2008, , .		0