Dong Wang

List of Publications by Year
in descending order

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Version: 2024-02-01

53	1,467	394421	330143
papers	citations	19 h-index	37 g-index

54	54	54	577
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Large deformation finite element analyses in geotechnical engineering. Computers and Geotechnics, 2015, 65, 104-114.	4.7	197
2	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
3	Large-deformation finite element analysis of pipe penetration and large-amplitude lateral displacement. Canadian Geotechnical Journal, 2010, 47, 842-856.	2.8	127
4	Predicting the resistance profile of a spudcan penetrating sand overlying clay. Canadian Geotechnical Journal, 2014, 51, 1151-1164.	2.8	98
5	A simple implementation of RITSS and its application in large deformation analysis. Computers and Geotechnics, 2014, 56, 160-167.	4.7	83
6	Investigation of impact forces on pipeline by submarine landslide using material point method. Ocean Engineering, 2017, 146, 21-28.	4.3	76
7	Keying of Rectangular Plate Anchors in Normally Consolidated Clays. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2011, 137, 1244-1253.	3.0	67
8	Evaluation of undrained shear strength of surficial marine clays using ball penetration-based CFD modelling. Acta Geotechnica, 2022, 17, 1627-1643.	5.7	44
9	Tensile monotonic capacity of helical anchors in sand: interaction between helices. Canadian Geotechnical Journal, 2019, 56, 1534-1543.	2.8	42
10	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
11	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
12	A GPU parallel computing strategy for the material point method. Computers and Geotechnics, 2015, 66, 31-38.	4.7	36
13	Large Deformation Finite-Element Simulation of Displacement-Pile Installation Experiments in Sand. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2020, 146, .	3.0	32
14	Numerical modelling of the effects of consolidation on jack-up spudcan penetration. Computers and Geotechnics, 2016, 78, 25-37.	4.7	31
15	In situ observation of storm-wave-induced seabed deformation with a submarine landslide monitoring system. Bulletin of Engineering Geology and the Environment, 2018, 77, 1091-1102.	3.5	31
16	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
17	Effect of footing shape on penetration in sand overlying clay. International Journal of Physical Modelling in Geotechnics, 2016, 16, 119-133.	0.6	24
18	Runout of submarine landslide simulated with material point method. Journal of Hydrodynamics, 2017, 29, 438-444.	3.2	24

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19	Assessment of depth-averaged method in analysing runout of submarine landslide. Landslides, 2020, 17, 543-555.	5.4	24
20	Numerical modelling of the effects of consolidation on the undrained spudcan capacity under combined loading in silty clay. Computers and Geotechnics, 2017, 86, 33-51.	4.7	20
21	The capacities of tripod bucket foundation under uniaxial and combined loading. Ocean Engineering, 2021, 220, 108400.	4.3	20
22	Transition from shear band propagation to global slab failure in submarine landslides. Canadian Geotechnical Journal, 2019, 56, 554-569.	2.8	19
23	Dynamic propagation criteria for catastrophic failure in planar landslides. International Journal for Numerical and Analytical Methods in Geomechanics, 2016, 40, 2312-2338.	3.3	18
24	Stability analysis of cut slope with shear band propagation along a weak layer. Computers and Geotechnics, 2020, 125, 103676.	4.7	18
25	Estimating Spudcan Penetration Resistance in Stiff-Soft-Stiff Clay. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2018, 144, .	3.0	16
26	Runout of Submarine Landslide Simulated with Material Point Method. Procedia Engineering, 2017, 175, 357-364.	1.2	15
27	Spatial Distribution of CaCO3 in Biocemented Sandy Slope Using Surface Percolation. Journal of Materials in Civil Engineering, 2021, 33, .	2.9	14
28	Recent Advances in Anchor Design for Floating Structures. International Journal of Offshore and Polar Engineering, 2017, 27, 44-53.	0.8	14
29	Numerical simulation of caisson installation and dissipation in kaolin clay and calcareous silt. Bulletin of Engineering Geology and the Environment, 2018, 77, 953-962.	3.5	12
30	Numerical investigations of retrogressive failure in sensitive clays: revisiting 1994 Sainte-Monique slide, Quebec. Landslides, 2021, 18, 1327-1336.	5.4	12
31	Criteria for planar shear band propagation in submarine landslides along weak layers. Landslides, 2020, 17, 855-876.	5.4	11
32	Physical and Numerical Modelling of Installation and Pull-Out of Dynamically Penetrating Anchors in Clay and Silt. , 2013, , .		9
33	Improved Prediction of Spudcan Penetration Resistance by an Observation-Optimized Model. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2020, 146, .	3.0	8
34	Smoothed Classic Yield Function for C2 Continuities in Tensile Cutoff, Compressive Cap, and Deviatoric Sections. International Journal of Geomechanics, 2021, 21, .	2.7	8
35	Capacity of plate anchors in clay under sustained uplift. Ocean Engineering, 2021, 226, 108799.	4.3	7
36	Ecofriendly improvement of coastal calcareous sandy slope using recycled shredded coconut coir (RSC) and bio-cement. Acta Geotechnica, 2022, 17, 5375-5389.	5.7	7

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37	Numerical investigation of spudcan-footprint interaction in non-uniform clays. Ocean Engineering, 2019, 188, 106295.	4.3	6
38	The Dynamically Embedded Plate Anchor: Results From an Experimental and Numerical Study. , 2013, , .		4
39	Cyclic Capacity and Diving Potential of Novel Fish Anchor in Calcareous Silt. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2019, 145, 04019054.	3.0	4
40	Numerical investigation of spudcan penetration under partially drained conditions. Ocean Engineering, 2022, 244, 110425.	4.3	4
41	Numerical Simulation of CPT Cone Penetration in Sand. Applied Mechanics and Materials, 2014, 553, 416-421.	0.2	3
42	Finite element modelling for as-laid embedment of pipeline in clayey sediments. Ocean Engineering, 2020, 217, 107963.	4.3	3
43	Optimization for the Assessment of Spudcan Peak Resistance in Clayâ€“Sandâ€“Clay Deposits. Journal of Marine Science and Engineering, 2021, 9, 689.	2.6	3
44	Improved Prediction of Peak Resistance for Spudcan Penetration in Sand Layer Overlying Clay. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2022, 148, .	3.0	3
45	Limit Analysis of Slopes Reinforced with Multi-Directional Anchors. Applied Mechanics and Materials, 2014, 501-504, 27-31.	0.2	2
46	Introduction to the thematic set of papers on: marine engineering geology. Bulletin of Engineering Geology and the Environment, 2018, 77, 893-895.	3.5	2
47	Capacities of tripod bucket foundation under uniaxial and combined loading considering adhesion factor. Marine Georesources and Geotechnology, 2022, 40, 1520-1528.	2.1	2
48	Numerical Modeling Approach for Steel Catenary Riser Behavior at Touchdown Zone. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2021, 147, .	3.0	1
49	Large Deformation Analysis of Spudcan Penetration into Sand Overlying Normally Consolidated Clay. Springer Series in Geomechanics and Geoengineering, 2013, , 723-733.	0.1	1
50	Implementation of absorbing boundary conditions in dynamic simulation of the material point method. Journal of Zhejiang University: Science A, 2021, 22, 870-881.	2.4	1
51	A modified state parameter for sands. Acta Geotechnica, 2022, 17, 3397-3405.	5.7	1
52	Large Deformation Finite Element Analysis of CPT in Calcareous Sands. Lecture Notes in Civil Engineering, 2021, , 552-559.	0.4	0
53	Three-Dimensional Large Deformation Analyses of Plate Anchor Keying in Clay. , 2008, , .		0