

Jun Wang

List of Publications by Year in descending order

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81
papers

2,928
citations

172386
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81
docs citations

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times ranked

647
citing authors

#	ARTICLE	IF	CITATIONS
1	Undrained deformation behavior of saturated soft clay under long-term cyclic loading. <i>Soil Dynamics and Earthquake Engineering</i> , 2013, 50, 28-37.	1.9	188
2	Improved Vacuum Preloading Method for Consolidation of Dredged Clay-Slurry Fill. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2016, 142, .	1.5	158
3	Strain and pore pressure development on soft marine clay in triaxial tests with a large number of cycles. <i>Ocean Engineering</i> , 2013, 74, 125-132.	1.9	134
4	Experimental tests on effect of deformed prefabricated vertical drains in dredged soil on consolidation via vacuum preloading. <i>Engineering Geology</i> , 2017, 222, 10-19.	2.9	131
5	New approach of vacuum preloading with booster prefabricated vertical drains (PVDs) to improve deep marine clay strata. <i>Canadian Geotechnical Journal</i> , 2018, 55, 1359-1371.	1.4	113
6	Combination of vacuum preloading and lime treatment for improvement of dredged fill. <i>Engineering Geology</i> , 2017, 227, 149-158.	2.9	112
7	One-Way Cyclic Triaxial Behavior of Saturated Clay: Comparison between Constant and Variable Confining Pressure. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2013, 139, 797-809.	1.5	97
8	Experimental study on the improvement of marine clay slurry by electroosmosis-vacuum preloading. <i>Geotextiles and Geomembranes</i> , 2016, 44, 615-622.	2.3	95
9	Permanent deformation characteristics of saturated sand under cyclic loading. <i>Canadian Geotechnical Journal</i> , 2015, 52, 795-807.	1.4	84
10	Undrained behaviour of intact soft clay under cyclic paths that match vehicle loading conditions. <i>Canadian Geotechnical Journal</i> , 2018, 55, 90-106.	1.4	82
11	Deformation characteristics of overconsolidated clay sheared under constant and variable confining pressure. <i>Soils and Foundations</i> , 2016, 56, 427-439.	1.3	81
12	Stiffness Degradation and Plastic Strain Accumulation of Clay under Cyclic Load with Principal Stress Rotation and Deviatoric Stress Variation. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2018, 144, .	1.5	75
13	Influences of stress magnitude and loading frequency on cyclic behavior of K0-consolidated marine clay involving principal stress rotation. <i>Soil Dynamics and Earthquake Engineering</i> , 2016, 84, 94-107.	1.9	73
14	Influence of shear stress level on cyclic deformation behaviour of intact Wenzhou soft clay under traffic loading. <i>Engineering Geology</i> , 2017, 228, 61-70.	2.9	72
15	Vacuum preloading and electro-osmosis consolidation of dredged slurry pre-treated with flocculants. <i>Engineering Geology</i> , 2018, 246, 123-130.	2.9	63
16	Influence of electro-osmosis activation time on vacuum electro-osmosis consolidation of a dredged slurry. <i>Canadian Geotechnical Journal</i> , 2018, 55, 147-153.	1.4	61
17	Experimental study on a dredged fill ground improved by a two-stage vacuum preloading method. <i>Soils and Foundations</i> , 2018, 58, 766-775.	1.3	61
18	Effect of anisotropic consolidation stress paths on the undrained shear behavior of reconstituted Wenzhou clay. <i>Engineering Geology</i> , 2018, 242, 23-33.	2.9	61

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19	Long-term behavior of clay-fouled unbound granular materials subjected to cyclic loadings with different frequencies. <i>Engineering Geology</i> , 2018, 243, 118-127.	2.9	53
20	Behaviour of a PVD unit cell under vacuum pressure and a new method for consolidation analysis. <i>Computers and Geotechnics</i> , 2020, 120, 103415.	2.3	50
21	Preloading using fill surcharge and prefabricated vertical drains for an airport. <i>Geotextiles and Geomembranes</i> , 2018, 46, 575-585.	2.3	47
22	Effect of surcharge loading rate and mobilized load ratio on the performance of vacuum surcharge preloading with PVDs. <i>Geotextiles and Geomembranes</i> , 2019, 47, 121-127.	2.3	47
23	Vacuum preloading combined with multiple-flocculant treatment for dredged fill improvement. <i>Engineering Geology</i> , 2019, 259, 105194.	2.9	46
24	Effects of pressurizing timing on air booster vacuum consolidation of dredged slurry. <i>Geotextiles and Geomembranes</i> , 2020, 48, 491-503.	2.3	41
25	Apparent clogging effect in vacuum-induced consolidation of dredged soil with prefabricated vertical drains. <i>Geotextiles and Geomembranes</i> , 2020, 48, 524-531.	2.3	40
26	Cyclic behavior of saturated soft clay under stress path with bidirectional shear stresses. <i>Soil Dynamics and Earthquake Engineering</i> , 2018, 104, 319-328.	1.9	39
27	Influence of composite flocculant FeCl ₃ -APAM on vacuum drainage of river-dredged sludge. <i>Canadian Geotechnical Journal</i> , 2019, 56, 868-875.	1.4	39
28	Improving consolidation of dredged slurry by vacuum preloading using prefabricated vertical drains (PVDs) with varying filter pore sizes. <i>Canadian Geotechnical Journal</i> , 2020, 57, 294-303.	1.4	38
29	Particle shape effects on the cyclic shear behaviour of the soil-geogrid interface. <i>Geotextiles and Geomembranes</i> , 2021, 49, 991-1003.	2.3	37
30	Effects of Initial Shear Stress on Cyclic Behavior of Saturated Soft Clay. <i>Marine Georesources and Geotechnology</i> , 2013, 31, 86-106.	1.2	33
31	Effect of sand on the vacuum consolidation of dredged slurry. <i>Marine Georesources and Geotechnology</i> , 2018, 36, 238-244.	1.2	32
32	Deformation characteristics of soil between prefabricated vertical drains under vacuum preloading. <i>Geotextiles and Geomembranes</i> , 2019, 47, 798-802.	2.3	32
33	Influence of Soluble Salt on Electro-Osmotic Consolidation of Soft Clay. <i>Soil Mechanics and Foundation Engineering</i> , 2017, 54, 49-55.	0.2	28
34	Application of flocculation combined with vacuum preloading to reduce river-dredged sludge. <i>Marine Georesources and Geotechnology</i> , 2020, 38, 164-173.	1.2	28
35	Effect of variable confining pressure on cyclic behaviour of granular soil under triaxial tests. <i>Canadian Geotechnical Journal</i> , 2017, 54, 768-777.	1.4	26
36	Experimental comparison of electroosmotic consolidation of wenzhou dredged clay sediment using intermittent current and polarity reversal. <i>Marine Georesources and Geotechnology</i> , 2018, 36, 131-138.	1.2	26

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37	Effects of Cyclic Intermediate Principal Stress on the Deformation of Saturated Clay. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2018, 144, .	1.5	26
38	Anisotropic and Noncoaxial Behavior of K0-Consolidated Soft Clays under Stress Paths with Principal Stress Rotation. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2019, 145, .	1.5	23
39	Analytical solution on vacuum consolidation of dredged slurry considering clogging effects. <i>Geotextiles and Geomembranes</i> , 2021, 49, 842-851.	2.3	23
40	Undrained cyclic behavior of overconsolidated marine soft clay under a traffic-load-induced stress path. <i>Marine Georesources and Geotechnology</i> , 2018, 36, 163-172.	1.2	22
41	Effect of pressurization positions on the consolidation of dredged slurry in air-booster vacuum preloading method. <i>Marine Georesources and Geotechnology</i> , 2020, 38, 122-131.	1.2	21
42	Effects of principal stress rotation and cyclic confining pressure on behavior of soft clay with different frequencies. <i>Soil Dynamics and Earthquake Engineering</i> , 2019, 118, 75-85.	1.9	19
43	Effect of tamping interval on consolidation of dredged slurry using vacuum preloading combined with dynamic consolidation. <i>Acta Geotechnica</i> , 2021, 16, 859-871.	2.9	19
44	Influences of initial static shear stress on the cyclic behaviour of over consolidated soft marine clay. <i>Ocean Engineering</i> , 2021, 224, 108747.	1.9	19
45	Fractional viscoelastic analytical solution for the ground displacement of a shallow tunnel based on a time-dependent unified displacement function. <i>Computers and Geotechnics</i> , 2020, 117, 103284.	2.3	18
46	Coupling effects of particle shape and cyclic shear history on shear properties of coarse-grained soil-geogrid interface. <i>Transportation Geotechnics</i> , 2021, 27, 100504.	2.0	17
47	One-Way Cyclic Behavior of Saturated Clay in 3D Stress State. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2019, 145, .	1.5	16
48	Drained responses of granular soil sheared under inclined principal stress axes: Impact of sample preparation. <i>Engineering Geology</i> , 2018, 241, 33-40.	2.9	15
49	Slurry improvement by vacuum preloading and electro-osmosis. <i>Proceedings of the Institution of Civil Engineers: Geotechnical Engineering</i> , 2019, 172, 145-154.	0.9	15
50	Strain evolution of saturated clays under cyclic loadings in three-dimensional stress condition. <i>Engineering Geology</i> , 2020, 278, 105824.	2.9	15
51	Modeling permanent strains of granular soil under cyclic loading with variable confining pressure. <i>Acta Geotechnica</i> , 2020, 15, 1409-1421.	2.9	14
52	Experimental Study on the Effect of Additives on Drainage Consolidation in Vacuum Preloading Combined with Electroosmosis. <i>KSCE Journal of Civil Engineering</i> , 2020, 24, 2599-2609.	0.9	14
53	Undrained monotonic shear behavior of marine soft clay after long-term cyclic loading. <i>Marine Georesources and Geotechnology</i> , 2020, 38, 854-866.	1.2	13
54	Long term cyclic behavior of saturated soft clay under different drainage conditions. <i>Soil Dynamics and Earthquake Engineering</i> , 2020, 139, 106362.	1.9	13

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55	Clogging effect of prefabricated horizontal drains in dredged soil by air booster vacuum consolidation. <i>Geotextiles and Geomembranes</i> , 2021, 49, 1529-1538.	2.3	13
56	Influence of Dynamic Loading Activation Time on Electro-osmotic Consolidation of Soft Soil. <i>KSCE Journal of Civil Engineering</i> , 2019, 23, 4687-4695.	0.9	12
57	Influence of High Voltage Gradients on Electrokinetic Dewatering for Wenzhou Clay Slurry Improvement. <i>Soil Mechanics and Foundation Engineering</i> , 2019, 55, 400-407.	0.2	12
58	Deformation characteristics of saturated clay in three-dimensional cyclic stress state. <i>Canadian Geotechnical Journal</i> , 2019, 56, 1789-1802.	1.4	12
59	Analysis of cyclic shear characteristics of reinforced soil interfaces under cyclic loading and unloading. <i>Geotextiles and Geomembranes</i> , 2022, 50, 99-115.	2.3	12
60	Prediction of the stress state and deformation of soil deposit under vacuum pressure. <i>Transportation Geotechnics</i> , 2016, 6, 75-83.	2.0	10
61	Temperature effects on dredged slurry performance under vacuum preloading. <i>Canadian Geotechnical Journal</i> , 2020, 57, 1970-1981.	1.4	10
62	Experimental investigation on the stress-dilatancy response of aggregate-geogrid interface using parameterized shapes. <i>Construction and Building Materials</i> , 2021, 289, 123170.	3.2	10
63	Method for calculating horizontal drain induced non-linear and large strain degree of consolidation. <i>Geotextiles and Geomembranes</i> , 2022, 50, 231-237.	2.3	9
64	Anisotropic and Noncoaxial Behavior of Soft Marine Clay under Stress Path Considering the Variation of Principal Stress Direction. <i>International Journal of Geomechanics</i> , 2022, 22, .	1.3	9
65	Influence of vacuum preloading on vertical bearing capacities of piles installed on coastal soft soil. <i>Marine Georesources and Geotechnology</i> , 2019, 37, 870-879.	1.2	8
66	Cyclic Behavior of Sand under Traffic Loading with "Inclined"™ Consolidation. <i>KSCE Journal of Civil Engineering</i> , 2021, 25, 1621-1633.	0.9	8
67	Field study of monotonic and cyclic lateral behaviour of piles in soft soils improved with and without vacuum preloading. <i>Acta Geotechnica</i> , 2020, 15, 3183-3192.	2.9	7
68	The effects of cyclic loading on the reconsolidation behaviours of marine sedimentary clays under intermittent drainage conditions. <i>Soil Dynamics and Earthquake Engineering</i> , 2021, 141, 106510.	1.9	7
69	Effects of fracture grouting with sodium hydroxide during electro-osmosis on clay. <i>Marine Georesources and Geotechnology</i> , 2019, 37, 245-255.	1.2	6
70	Relationship between monotonic and cyclic behavior of saturated soft clay in undrained triaxial compression tests. <i>Canadian Geotechnical Journal</i> , 2021, 58, 1812-1824.	1.4	5
71	Mechanical properties of bio-cementation materials in pre-precipitation mixing process. <i>Environmental Science and Pollution Research</i> , 2022, 29, 1314-1323.	2.7	5
72	Effects of temperature circulation on dredged sludge improved by vacuum preloading. <i>Soils and Foundations</i> , 2021, 61, 1343-1353.	1.3	5

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73	Behaviour of thick marine deposits subjected to vacuum combined with surcharge preloading. Marine Georesources and Geotechnology, 2021, 39, 1147-1156.	1.2	4
74	Drained deformation characteristics of granular soil under pure principal stress axis rotation: impact of sample preparation. Acta Geotechnica, 2021, 16, 1755-1772.	2.9	4
75	Method for calculating cyclic load induced 1D and PVD unit cell consolidation deformations. Computers and Geotechnics, 2021, 136, 104243.	2.3	4
76	Estimation of Influence Scope of Lateral Displacement of Soft Ground under Vacuum Pressure with PVD. Advances in Civil Engineering, 2018, 2018, 1-11.	0.4	3
77	Influence of initial water content of dredged slurry on clogging effect under vacuum preloading. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	3
78	Influence of cyclic deviator stress and consolidation degree on permanent strain of "under-consolidated" marine sediment. Marine Georesources and Geotechnology, 2023, 41, 764-773.	1.2	2
79	Test studies on soil with cemented-soil piles under bidirectional cyclic loading. Proceedings of the Institution of Civil Engineers: Ground Improvement, 0, , 1-12.	0.7	1
80	Cyclic Behavior of KO-Consolidated Soft Clay under Stress Paths with Different Major Principal Stress Directions. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2021, 147, 06021003.	1.5	1
81	Intermittent cyclic load induced 1D consolidation settlement. Transportation Geotechnics, 2022, , 100814.	2.0	1