Jun Wang

List of Publications by Year
in descending order

81	2,928	172386	197736
papers	citations	29 h-index	49 g-index

81	81	81	647
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Influence of cyclic deviator stress and consolidation degree on permanent strain of â€œunder-consolidatedâ€•marine sediment. Marine Georesources and Geotechnology, 2023, 41, 764-773.	1.2	2
2	Mechanical properties of bio-cementation materials in pre-precipitation mixing process. Environmental Science and Pollution Research, 2022, 29, 1314-1323.	2.7	5
3	Method for calculating horizontal drain induced non-linear and large strain degree of consolidation. Geotextiles and Geomembranes, 2022, 50, 231-237.	2.3	9
4	Analysis of cyclic shear characteristics of reinforced soil interfaces under cyclic loading and unloading. Geotextiles and Geomembranes, 2022, 50, 99-115.	2.3	12
5	Anisotropic and Noncoaxial Behavior of Soft Marine Clay under Stress Path Considering the Variation of Principal Stress Direction. International Journal of Geomechanics, 2022, 22, .	1.3	9
6	Intermittent cyclic load induced 1D consolidation settlement. Transportation Geotechnics, 2022, , 100814.	2.0	1
7	Behaviour of thick marine deposits subjected to vacuum combined with surcharge preloading. Marine Georesources and Geotechnology, 2021, 39, 1147-1156.	1.2	4
8	Effect of tamping interval on consolidation of dredged slurry using vacuum preloading combined with dynamic consolidation. Acta Geotechnica, 2021, 16, 859-871.	2.9	19
9	The effects of cyclic loading on the reconsolidation behaviours of marine sedimentary clays under intermittent drainage conditions. Soil Dynamics and Earthquake Engineering, 2021, 141, 106510.	1.9	7
10	Relationship between monotonic and cyclic behavior of saturated soft clay in undrained triaxial compression tests. Canadian Geotechnical Journal, 2021, 58, 1812-1824.	1.4	5
11	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
12	Cyclic Behavior of Sand under Traffic Loading with â€˜Inclinedâ€™ Consolidation. KSCE Journal of Civil Engineering, 2021, 25, 1621-1633.	0.9	8
13	Influences of initial static shear stress on the cyclic behaviour of over consolidated soft marine clay. Ocean Engineering, 2021, 224, 108747.	1.9	19
14	Coupling effects of particle shape and cyclic shear history on shear properties of coarse-grained soilâ€“geogrid interface. Transportation Geotechnics, 2021, 27, 100504.	2.0	17
15	Analytical solution on vacuum consolidation of dredged slurry considering clogging effects. Geotextiles and Geomembranes, 2021, 49, 842-851.	2.3	23
16	Cyclic Behavior of K0-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
17	Experimental investigation on the stress-dilatancy response of aggregate-geogrid interface using parameterized shapes. Construction and Building Materials, 2021, 289, 123170.	3.2	10
18	Influence of initial water content of dredged slurry on clogging effect under vacuum preloading. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	3

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19	Clogging effect of prefabricated horizontal drains in dredged soil by air booster vacuum consolidation. Geotextiles and Geomembranes, 2021, 49, 1529-1538.	2.3	13
20	Method for calculating cyclic load induced 1D and PVD unit cell consolidation deformations. Computers and Geotechnics, 2021, 136, 104243.	2.3	4
21	Particle shape effects on the cyclic shear behaviour of the soilâ€“geogrid interface. Geotextiles and Geomembranes, 2021, 49, 991-1003.	2.3	37
22	Effects of temperature circulation on dredged sludge improved by vacuum preloading. Soils and Foundations, 2021, 61, 1343-1353.	1.3	5
23	Effect of pressurization positions on the consolidation of dredged slurry in air-booster vacuum preloading method. Marine Georesources and Geotechnology, 2020, 38, 122-131.	1.2	21
24	Application of flocculation combined with vacuum preloading to reduce river-dredged sludge. Marine Georesources and Geotechnology, 2020, 38, 164-173.	1.2	28
25	Improving consolidation of dredged slurry by vacuum preloading using prefabricated vertical drains (PVDs) with varying filter pore sizes. Canadian Geotechnical Journal, 2020, 57, 294-303.	1.4	38
26	Fractional viscoelastic analytical solution for the ground displacement of a shallow tunnel based on a time-dependent unified displacement function. Computers and Geotechnics, 2020, 117, 103284.	2.3	18
27	Modeling permanent strains of granular soil under cyclic loading with variable confining pressure. Acta Geotechnica, 2020, 15, 1409-1421.	2.9	14
28	Undrained monotonic shear behavior of marine soft clay after long-term cyclic loading. Marine Georesources and Geotechnology, 2020, 38, 854-866.	1.2	13
29	Long term cyclic behavior of saturated soft clay under different drainage conditions. Soil Dynamics and Earthquake Engineering, 2020, 139, 106362.	1.9	13
30	Experimental Study on the Effect of Additives on Drainage Consolidation in Vacuum Preloading Combined with Electroosmosis. KSCE Journal of Civil Engineering, 2020, 24, 2599-2609.	0.9	14
31	Strain evolution of saturated clays under cyclic loadings in three-dimensional stress condition. Engineering Geology, 2020, 278, 105824.	2.9	15
32	Field study of monotonic and cyclic lateral behaviour of piles in soft soils improved with and without vacuum preloading. Acta Geotechnica, 2020, 15, 3183-3192.	2.9	7
33	Temperature effects on dredged slurry performance under vacuum preloading. Canadian Geotechnical Journal, 2020, 57, 1970-1981.	1.4	10
34	Effects of pressurizing timing on air booster vacuum consolidation of dredged slurry. Geotextiles and Geomembranes, 2020, 48, 491-503.	2.3	41
35	Behaviour of a PVD unit cell under vacuum pressure and a new method for consolidation analysis. Computers and Geotechnics, 2020, 120, 103415.	2.3	50
36	Apparent clogging effect in vacuum-induced consolidation of dredged soil with prefabricated vertical drains. Geotextiles and Geomembranes, 2020, 48, 524-531.	2.3	40

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37	Slurry improvement by vacuum preloading and electro-osmosis. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2019, 172, 145-154.	0.9	15
38	One-Way Cyclic Behavior of Saturated Clay in 3D Stress State. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2019, 145, .	1.5	16
39	Influence of Dynamic Loading Activation Time on Electro-osmotic Consolidation of Soft Soil. KSCE Journal of Civil Engineering, 2019, 23, 4687-4695.	0.9	12
40	Deformation characteristics of soil between prefabricated vertical drains under vacuum preloading. Geotextiles and Geomembranes, 2019, 47, 798-802.	2.3	32
41	Anisotropic and Noncoaxial Behavior of K0-Consolidated Soft Clays under Stress Paths with Principal Stress Rotation. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2019, 145, .	1.5	23
42	Vacuum preloading combined with multiple-flocculant treatment for dredged fill improvement. Engineering Geology, 2019, 259, 105194.	2.9	46
43	Influence of High Voltage Gradients on Electrokinetic Dewatering for Wenzhou Clay Slurry Improvement. Soil Mechanics and Foundation Engineering, 2019, 55, 400-407.	0.2	12
44	Influence of composite flocculant FeCl₃â€“APAM on vacuum drainage of river-dredged sludge. Canadian Geotechnical Journal, 2019, 56, 868-875.	1.4	39
45	Effects of principal stress rotation and cyclic confining pressure on behavior of soft clay with different frequencies. Soil Dynamics and Earthquake Engineering, 2019, 118, 75-85.	1.9	19
46	Deformation characteristics of saturated clay in three-dimensional cyclic stress state. Canadian Geotechnical Journal, 2019, 56, 1789-1802.	1.4	12
47	Effect of surcharge loading rate and mobilized load ratio on the performance of vacuumâ€“surcharge preloading with PVDs. Geotextiles and Geomembranes, 2019, 47, 121-127.	2.3	47
48	Influence of vacuum preloading on vertical bearing capacities of piles installed on coastal soft soil. Marine Georesources and Geotechnology, 2019, 37, 870-879.	1.2	8
49	Effects of fracture grouting with sodium hydroxide during electro-osmosis on clay. Marine Georesources and Geotechnology, 2019, 37, 245-255.	1.2	6
50	Stiffness Degradation and Plastic Strain Accumulation of Clay under Cyclic Load with Principal Stress Rotation and Deviatoric Stress Variation. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2018, 144, .	1.5	75
51	New approach of vacuum preloading with booster prefabricated vertical drains (PVDs) to improve deep marine clay strata. Canadian Geotechnical Journal, 2018, 55, 1359-1371.	1.4	113
52	Experimental comparison of electroosmotic consolidation of wenzhou dredged clay sediment using intermittent current and polarity reversal. Marine Georesources and Geotechnology, 2018, 36, 131-138.	1.2	26
53	Effect of sand on the vacuum consolidation of dredged slurry. Marine Georesources and Geotechnology, 2018, 36, 238-244.	1.2	32
54	Influence of electro-osmosis activation time on vacuum electro-osmosis consolidation of a dredged slurry. Canadian Geotechnical Journal, 2018, 55, 147-153.	1.4	61

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55	Undrained behaviour of intact soft clay under cyclic paths that match vehicle loading conditions. Canadian Geotechnical Journal, 2018, 55, 90-106.	1.4	82
56	Undrained cyclic behavior of overconsolidated marine soft clay under a traffic-load-induced stress path. Marine Georesources and Geotechnology, 2018, 36, 163-172.	1.2	22
57	Cyclic behavior of saturated soft clay under stress path with bidirectional shear stresses. Soil Dynamics and Earthquake Engineering, 2018, 104, 319-328.	1.9	39
58	Vacuum preloading and electro-osmosis consolidation of dredged slurry pre-treated with flocculants. Engineering Geology, 2018, 246, 123-130.	2.9	63
59	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
60	Preloading using fill surcharge and prefabricated vertical drains for an airport. Geotextiles and Geomembranes, 2018, 46, 575-585.	2.3	47
61	Experimental study on a dredged fill ground improved by a two-stage vacuum preloading method. Soils and Foundations, 2018, 58, 766-775.	1.3	61
62	Effect of anisotropic consolidation stress paths on the undrained shear behavior of reconstituted Wenzhou clay. Engineering Geology, 2018, 242, 23-33.	2.9	61
63	Drained responses of granular soil sheared under inclined principal stress axes: Impact of sample preparation. Engineering Geology, 2018, 241, 33-40.	2.9	15
64	Long-term behavior of clay-fouled unbound granular materials subjected to cyclic loadings with different frequencies. Engineering Geology, 2018, 243, 118-127.	2.9	53
65	Effects of Cyclic Intermediate Principal Stress on the Deformation of Saturated Clay. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2018, 144, .	1.5	26
66	Effect of variable confining pressure on cyclic behaviour of granular soil under triaxial tests. Canadian Geotechnical Journal, 2017, 54, 768-777.	1.4	26
67	Combination of vacuum preloading and lime treatment for improvement of dredged fill. Engineering Geology, 2017, 227, 149-158.	2.9	112
68	Influence of Soluble Salt on Electro-Osmotic Consolidation of Soft Clay. Soil Mechanics and Foundation Engineering, 2017, 54, 49-55.	0.2	28
69	Experimental tests on effect of deformed prefabricated vertical drains in dredged soil on consolidation via vacuum preloading. Engineering Geology, 2017, 222, 10-19.	2.9	131
70	Influence of shear stress level on cyclic deformation behaviour of intact Wenzhou soft clay under traffic loading. Engineering Geology, 2017, 228, 61-70.	2.9	72
71	Experimental study on the improvement of marine clay slurry by electroosmosis-vacuum preloading. Geotextiles and Geomembranes, 2016, 44, 615-622.	2.3	95
72	Improved Vacuum Preloading Method for Consolidation of Dredged Clay-Slurry Fill. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2016, 142, .	1.5	158

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73	Deformation characteristics of overconsolidated clay sheared under constant and variable confining pressure. Soils and Foundations, 2016, 56, 427-439.	1.3	81
74	Influences of stress magnitude and loading frequency on cyclic behavior of K0-consolidated marine clay involving principal stress rotation. Soil Dynamics and Earthquake Engineering, 2016, 84, 94-107.	1.9	73
75	Prediction of the stress state and deformation of soil deposit under vacuum pressure. Transportation Geotechnics, 2016, 6, 75-83.	2.0	10
76	Permanent deformation characteristics of saturated sand under cyclic loading. Canadian Geotechnical Journal, 2015, 52, 795-807.	1.4	84
77	Effects of Initial Shear Stress on Cyclic Behavior of Saturated Soft Clay. Marine Georesources and Geotechnology, 2013, 31, 86-106.	1.2	33
78	Strain and pore pressure development on soft marine clay in triaxial tests with a large number of cycles. Ocean Engineering, 2013, 74, 125-132.	1.9	134
79	Undrained deformation behavior of saturated soft clay under long-term cyclic loading. Soil Dynamics and Earthquake Engineering, 2013, 50, 28-37.	1.9	188
80	One-Way Cyclic Triaxial Behavior of Saturated Clay: Comparison between Constant and Variable Confining Pressure. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2013, 139, 797-809.	1.5	97
81	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