

# Huayang Lei

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

670  
citations

567281

15  
h-index

677142

22  
g-index

50  
all docs

50  
docs citations

50  
times ranked

310  
citing authors

#	ARTICLE	IF	CITATIONS
1	Relating twin-tunnelling-induced settlement to changes in the stiffness of soil. <i>Acta Geotechnica</i> , 2023, 18, 469-482.	5.7	8
2	Application and design method of dredging sludge ground treated via prefabricated radiant drain vacuum preloading. <i>Marine Georesources and Geotechnology</i> , 2023, 41, 509-523.	2.1	5
3	Analysis of ground deformation development and settlement prediction by air-boosted vacuum preloading. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2022, 14, 272-288.	8.1	12
4	Deformational properties of Tianjin soft clay under different cyclic loading modes. <i>Soil Dynamics and Earthquake Engineering</i> , 2022, 153, 107086.	3.8	4
5	Changes in the Permeability and Permeability Anisotropy of Reconstituted Clays under One-Dimensional Compression and the Corresponding Micromechanisms. <i>International Journal of Geomechanics</i> , 2022, 22, .	2.7	3
6	A settlement prediction model considering tidal loading and traffic loading of soft soil subgrade. <i>Computers and Geotechnics</i> , 2022, 144, 104639.	4.7	8
7	Impact of environmental acidity on the geomechanical and mineralogical behavior of marine clay. <i>Bulletin of Engineering Geology and the Environment</i> , 2022, 81, 1.	3.5	3
8	Ground Movement and Existing Tunnel Deformation Induced by Overlapped Tunneling. <i>International Journal of Geomechanics</i> , 2022, 22, .	2.7	2
9	Simplified Method for Calculating Consolidation Degree of Deep Mixed Column-Improved Soft Soils. <i>International Journal of Geomechanics</i> , 2022, 22, .	2.7	3
10	Stability analysis of slope reinforced by double-row stabilizing piles with different locations. <i>Natural Hazards</i> , 2021, 106, 19-42.	3.4	14
11	Model test and discrete element method simulation of shield tunneling face stability in transparent clay. <i>Frontiers of Structural and Civil Engineering</i> , 2021, 15, 147-166.	2.9	15
12	Effects of acidity and magnesium ions on the self-weight consolidation settlement of Tianjin dredged fill. <i>Bulletin of Engineering Geology and the Environment</i> , 2021, 80, 4035-4047.	3.5	4
13	Influencing factors and control measures of excavation on adjacent bridge foundation based on analytic hierarchy process and finite element method. <i>Frontiers of Structural and Civil Engineering</i> , 2021, 15, 461-477.	2.9	8
14	Experimental Investigation of Influence of Air-Boost Pressure and Duration on Air-Boost Vacuum Preloading Consolidation. <i>International Journal of Geomechanics</i> , 2021, 21, .	2.7	10
15	The reinforcement analysis of soft ground treated by thermal consolidation vacuum preloading. <i>Transportation Geotechnics</i> , 2021, 31, 100672.	4.5	11
16	An empirical model for predicting pore pressure development in artificial freeze-thaw soft clay under cyclic loading. <i>Engineering Geology</i> , 2021, 295, 106425.	6.3	11
17	Ultra-soft Ground Improvement Using Air-Booster Vacuum Preloading Method: Laboratory Model Test Study. <i>International Journal of Geosynthetics and Ground Engineering</i> , 2021, 7, 1.	2.0	7
18	Numerical Study of the Effect of Clay Structure on Piezocone Penetration Test Results. <i>International Journal of Geosynthetics and Ground Engineering</i> , 2021, 7, 1.	2.0	1

#	ARTICLE	IF	CITATIONS
19	Investigation on the macro- and microdeformation characteristics of silty clay under different shield construction stress paths. <i>Bulletin of Engineering Geology and the Environment</i> , 2021, 80, 9105-9125.	3.5	2
20	Distinct element modeling of rock fragmentation by TBM cutter. <i>European Journal of Environmental and Civil Engineering</i> , 2020, 24, 2010-2031.	2.1	8
21	Improved air-booster vacuum preloading method for newly dredged fills: Laboratory model study. <i>Marine Georesources and Geotechnology</i> , 2020, 38, 493-510.	2.1	25
22	The effects of the depositional environment and post-depositional processes on the engineering properties of Quaternary clays in the Saga Plain. <i>Bulletin of Engineering Geology and the Environment</i> , 2020, 79, 1137-1152.	3.5	6
23	Deformation and fabric of soft marine clay at various cyclic load stages. <i>Ocean Engineering</i> , 2020, 195, 106757.	4.3	14
24	Cyclic Behavior of Tianjin Soft Clay under Intermittent Combined-Frequency Cyclic Loading. <i>International Journal of Geomechanics</i> , 2020, 20, .	2.7	8
25	Compressibility and Microstructure Evolution of Different Reconstituted Clays during 1D Compression. <i>International Journal of Geomechanics</i> , 2020, 20, .	2.7	15
26	Deformation of Tianjin soft clay and corresponding micromechanism under cyclic loading. <i>Canadian Geotechnical Journal</i> , 2020, 57, 1893-1902.	2.8	8
27	Geotechnical behavior of soft dredger fill and deep sea soft clay. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 570, 062036.	0.3	1
28	Stabilization Effect of Anionic Polyacrylamide on Marine Clay Treated with Lime. <i>International Journal of Geomechanics</i> , 2020, 20, .	2.7	13
29	Effects of pressurizing timing on air booster vacuum consolidation of dredged slurry. <i>Geotextiles and Geomembranes</i> , 2020, 48, 491-503.	4.6	41
30	Effects of chemical conditions on the engineering properties and microscopic characteristics of Tianjin dredged fill. <i>Engineering Geology</i> , 2020, 269, 105548.	6.3	27
31	A method for correcting the temperature effect on uCPT measurements in seabed sediments. <i>Marine Georesources and Geotechnology</i> , 2019, 37, 266-275.	2.1	0
32	Effect of Polyacrylamide on Improvement of Dredger Fill with Vacuum Preloading Method. <i>Journal of Materials in Civil Engineering</i> , 2019, 31, .	2.9	29
33	Accumulative plastic strain behaviors and microscopic structural characters of artificially freeze-thaw soft clay under dynamic cyclic loading. <i>Cold Regions Science and Technology</i> , 2019, 168, 102895.	3.5	23
34	Physical Model Tests of the Bearing Behavior of Tongji-1 Lunar Soil Simulant. <i>Journal of Aerospace Engineering</i> , 2019, 32, 04018150.	1.4	3
35	Study of the sedimentation and self-weight consolidation behavior of seafloor sediments using a radioisotope densitometer. <i>Marine Georesources and Geotechnology</i> , 2019, 37, 256-265.	2.1	2
36	Experimental Evaluation of Consolidation Behavior of Double-Layer Soft Soil Ground. <i>Journal of Testing and Evaluation</i> , 2019, 47, 20170277.	0.7	2

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37	Effects of Polyacrylamide on the Consolidation Behavior of Dredged Clay. <i>Journal of Materials in Civil Engineering</i> , 2018, 30, .	2.9	18
38	Improved Synchronous and Alternate Vacuum Preloading Method for Newly Dredged Fills: Laboratory Model Study. <i>International Journal of Geomechanics</i> , 2018, 18, .	2.7	21
39	Environmental changes in Ariake Sea of Japan and their relationships with Isahaya Bay reclamation. <i>Marine Pollution Bulletin</i> , 2018, 135, 832-844.	5.0	18
40	Effects of frequency and cyclic stress ratio on creep behavior of clay under cyclic loading. <i>Marine Georesources and Geotechnology</i> , 2017, 35, 281-291.	2.1	10
41	New Vacuum-Preloading Technique for Ultrasoft-Soil Foundations Using Model Tests. <i>International Journal of Geomechanics</i> , 2017, 17, .	2.7	30
42	Dynamic properties of reclaimed soft soil under the combined frequency cyclic loading. <i>Road Materials and Pavement Design</i> , 2017, 18, 54-64.	4.0	9
43	Experimental Study of the Clogging of Dredger Fills under Vacuum Preloading. <i>International Journal of Geomechanics</i> , 2017, 17, .	2.7	59
44	Laboratory model study of newly deposited dredger fills using improved multiple-vacuum preloading technique. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2017, 9, 924-935.	8.1	30
45	Experimental Investigation of the Deformation Characteristics of Natural Loess under the Stress Paths in Shield Tunnel Excavation. <i>International Journal of Geomechanics</i> , 2017, 17, .	2.7	17
46	Improvement of very soft ground by a high-efficiency vacuum preloading method: A case study. <i>Marine Georesources and Geotechnology</i> , 2017, 35, 631-642.	2.1	31
47	Dynamic Deformation Behavior and Cyclic Degradation of Ultrasoft Soil under Cyclic Loading. <i>Journal of Materials in Civil Engineering</i> , 2016, 28, .	2.9	38
48	Changes in Soil Micro-Structure for Natural Soft Clay under Accelerated Creep Condition. <i>Marine Georesources and Geotechnology</i> , 2016, 34, 365-375.	2.1	17
49	Compression characteristics of ultra-soft clays subjected to simulated staged preloading. <i>KSCE Journal of Civil Engineering</i> , 2016, 20, 718-728.	1.9	16
50	Ground deformation behaviour induced by overlapped shield tunnelling considering vibration loads of subway train in sand. <i>Acta Geotechnica</i> , 0, , .	5.7	0