

Guoxiong Mei

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

1,288
citations

361413

20
h-index

395702

33
g-index

61
all docs

61
docs citations

61
times ranked

636
citing authors

#	ARTICLE	IF	CITATIONS
1	Stormwater management of biochar-amended green roofs: peak flow and hydraulic parameters using combined experimental and numerical investigation. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 5835-5846.	4.6	5
2	Analytical solution for one-dimensional nonlinear consolidation of double-layered soil with improved continuous drainage boundary. <i>European Journal of Environmental and Civil Engineering</i> , 2023, 27, 2746-2767.	2.1	17
3	A stochastic analysis approach for marine riser's cross-flow/in-line VIV under heave-induced parametric vibration. <i>Ships and Offshore Structures</i> , 2022, 17, 952-972.	1.9	2
4	Physical and numerical modelling of infiltration from drainage holes for perforated storm sewer. <i>Acta Geotechnica</i> , 2022, 17, 527-543.	5.7	5
5	Development of models for facing tensile forces of soil nail walls using statistical approaches. <i>Georisk</i> , 2022, 16, 710-727.	3.5	0
6	An experimental and numerical investigation of the mechanism of improving the rainwater retention of green roofs with layered soil. <i>Environmental Science and Pollution Research</i> , 2022, 29, 10482-10494.	5.3	11
7	Estimation of Interface Parameter for One-Dimensional Consolidation with Continuous Drainage Boundary Conditions. <i>International Journal of Geomechanics</i> , 2022, 22, .	2.7	12
8	Moisture management in biochar-amended green roofs planted with <i>Ophiopogon japonicus</i> under different irrigation schemes: an integrated experimental and modeling approach. <i>Acta Geophysica</i> , 2022, 70, 373-384.	2.0	4
9	Geotechnical engineering educational modules demonstrating measurement and regulation of soil moisture. <i>Computer Applications in Engineering Education</i> , 2022, 30, 973-985.	3.4	4
10	Experimental and numerical investigation on hydrological characteristics of extensive green roofs under the influence of rainstorms. <i>Environmental Science and Pollution Research</i> , 2022, 29, 53121-53136.	5.3	8
11	A New Prestress Loss Calculation Model of Anchor Cable in Pile-Anchor Structure. <i>Mathematics</i> , 2022, 10, 1260.	2.2	7
12	Influence of biochar from animal and plant origin on the compressive strength characteristics of degraded landfill surface soils. <i>International Journal of Damage Mechanics</i> , 2021, 30, 484-501.	4.2	27
13	Swelling Suppression Mechanism of Compacted Expansive Soil Amended with Animal and Plant Based Biochar. <i>Waste and Biomass Valorization</i> , 2021, 12, 2653-2664.	3.4	10
14	Expansive soil-biochar-root-water-bacteria interaction: Investigation on crack development, water management and plant growth in green infrastructure. <i>International Journal of Damage Mechanics</i> , 2021, 30, 595-617.	4.2	12
15	Influence of feedstock type and particle size on efficiency of biochar in improving tensile crack resistance and shear strength in lean clayey soil. <i>International Journal of Damage Mechanics</i> , 2021, 30, 646-661.	4.2	11
16	Bearing capacity of plane-strain footings under K0 conditions. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	1.3	0
17	Nonlinear consolidation of soft foundation improved by prefabricated vertical drains based on elliptical cylindrical equivalent model. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2021, 45, 1949-1971.	3.3	16
18	The rainwater retention mechanisms in extensive green roofs with ten different structural configurations. <i>Water Science and Technology</i> , 2021, 84, 1839-1857.	2.5	8

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19	Interaction Model for Torsional Dynamic Response of Thin-Wall Pipe Piles Embedded in Both Vertically and Radially Inhomogeneous Soil. <i>International Journal of Geomechanics</i> , 2021, 21, .	2.7	20
20	Influence of biochar amendment on stormwater management in green roofs: experiment with numerical investigation. <i>Acta Geophysica</i> , 2021, 69, 2417-2426.	2.0	14
21	Plane-strain consolidation theory with distributed drainage boundary. <i>Acta Geotechnica</i> , 2020, 15, 489-508.	5.7	34
22	New method to calculate apparent phase velocity of open-ended pipe pile. <i>Canadian Geotechnical Journal</i> , 2020, 57, 127-138.	2.8	70
23	A new prediction method for the occurrence of landslides based on the time history of tilting of the slope surface. <i>Landslides</i> , 2020, 17, 301-312.	5.4	27
24	Consolidation solution of soil around a permeable pipe pile. <i>Marine Georesources and Geotechnology</i> , 2020, 38, 1097-1105.	2.1	11
25	An Analytical Solution for Wave Propagation in a Pipe Pile with Multiple Defects. <i>Acta Mechanica Solida Sinica</i> , 2020, 33, 251-267.	1.9	7
26	Utilization of coconut shell residual in green roof: hydraulic and thermal properties of expansive soil amended with biochar and fibre including theoretical model. <i>Acta Geophysica</i> , 2020, 68, 1803-1819.	2.0	14
27	Evaluating Suitability of Geomaterials-Amended Soil for Landfill Liner: A Comparative Study. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2020, 24, 04020052.	2.0	2
28	Time Effect of Buoyant Force Reduction for Underground Structures in Clays: Model Test and Case Study. <i>International Journal of Geomechanics</i> , 2020, 20, .	2.7	7
29	Experimental study on the hydrological performance of green roofs in the application of novel biochar. <i>Hydrological Processes</i> , 2020, 34, 4512-4525.	2.6	25
30	A Novel Python Program to Automate Soil Colour Analysis and Interpret Surface Moisture Content. <i>International Journal of Geosynthetics and Ground Engineering</i> , 2020, 6, 1.	2.0	11
31	Use of bag-sealed bored pile in Karst areas. <i>Japanese Geotechnical Society Special Publication</i> , 2020, 8, 267-271.	0.2	0
32	Influence of in-house produced biochars on cracks and retained water during drying-wetting cycles: comparison between conventional plant, animal, and nano-biochars. <i>Journal of Soils and Sediments</i> , 2020, 20, 1983-1996.	3.0	37
33	One-dimensional consolidation of soil under multistage load based on continuous drainage boundary. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2020, 44, 1170-1183.	3.3	31
34	Study on Runoff and Infiltration for Expansive Soil Slopes in Simulated Rainfall. <i>Water (Switzerland)</i> , 2020, 12, 222.	2.7	30
35	Mechanism of compacted biochar-amended expansive clay subjected to drying-wetting cycles: simultaneous investigation of hydraulic and mechanical properties. <i>Acta Geophysica</i> , 2020, 68, 737-749.	2.0	24
36	Surcharge preloading consolidation of reclaimed land with distributed sand caps. <i>Marine Georesources and Geotechnology</i> , 2019, 37, 671-682.	2.1	21

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37	One-dimensional self-weight consolidation with continuous drainage boundary conditions: Solution and application to clay-drain reclamation. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2019, 43, 1634-1652.	3.3	51
38	Erodibility assessment of compacted biochar amended soil for geo-environmental applications. <i>Science of the Total Environment</i> , 2019, 672, 698-707.	8.0	60
39	Shear Strength of Compacted Clays as Affected by Mineral Content and Wet-Dry Cycles. <i>Advances in Civil Engineering</i> , 2019, 2019, 1-8.	0.7	10
40	Benefits from using two receivers for interpretation of low-strain integrity tests on pipe piles. <i>Canadian Geotechnical Journal</i> , 2019, 56, 1433-1447.	2.8	33
41	Experiment on Rockburst Process of Borehole and Its Acoustic Emission Characteristics. <i>Rock Mechanics and Rock Engineering</i> , 2019, 52, 783-802.	5.4	111
42	Numerical analysis of surcharge preloading consolidation of layered soils via distributed sand blankets. <i>Marine Georesources and Geotechnology</i> , 2019, 37, 902-914.	2.1	15
43	Model Tests of Buoyant Force on Underground Structures. <i>Journal of Testing and Evaluation</i> , 2019, 47, 1216-1235.	0.7	10
44	THREE-DIMENSIONAL CONSOLIDATION THEORY OF VERTICAL DRAIN BASED ON CONTINUOUS DRAINAGE BOUNDARY. <i>Journal of Civil Engineering and Management</i> , 2019, 25, 145-155.	3.5	14
45	Vibration response of cable for submerged floating tunnel under simultaneous hydrodynamic force and earthquake excitations. <i>Advances in Structural Engineering</i> , 2018, 21, 1761-1773.	2.4	17
46	Predicting Excavation-Induced Settlement for Embedded Footing: Case Study. <i>International Journal of Geomechanics</i> , 2018, 18, 05018001.	2.7	15
47	Laboratory investigation of pore pressure dissipation in clay around permeable piles. <i>Canadian Geotechnical Journal</i> , 2018, 55, 1257-1267.	2.8	37
48	Temperature Effect on AE Energy Characteristics and Damage Mechanical Behaviors of Granite. <i>International Journal of Geomechanics</i> , 2018, 18, .	2.7	32
49	Displacement-Dependent Lateral Earth Pressure Models. <i>Journal of Engineering Mechanics - ASCE</i> , 2018, 144, .	2.9	32
50	Antiflotation design for water tank using pressure relief technique. <i>Marine Georesources and Geotechnology</i> , 2018, 36, 471-483.	2.1	11
51	Analytical solution for one-dimensional consolidation of double-layered soil with exponentially time-growing drainage boundary. <i>International Journal of Distributed Sensor Networks</i> , 2018, 14, 155014771880671.	2.2	14
52	Closure to "Generalized Nonlinear Softening Load-Transfer Model for Axially Loaded Piles" by Pengpeng Ni, Linhui Song, Guoxiong Mei, and Yanlin Zhao. <i>International Journal of Geomechanics</i> , 2018, 18, 07018014.	2.7	1
53	Investigation of cracking and water availability of soil-biochar composite synthesized from invasive weed water hyacinth. <i>Bioresource Technology</i> , 2018, 263, 665-677.	9.6	105
54	A new analytical model to study the influence of weld on the vertical dynamic response of prestressed pipe pile. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2017, 41, 1247-1266.	3.3	27

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55	Generalized Nonlinear Softening Load-Transfer Model for Axially Loaded Piles. International Journal of Geomechanics, 2017, 17, .	2.7	45
56	Numerical investigation of the uplift performance of prestressed fiber-reinforced polymer floating piles. Marine Georesources and Geotechnology, 2017, 35, 829-839.	2.1	16
57	Dynamic Response Analysis of Cable of Submerged Floating Tunnel under Hydrodynamic Force and Earthquake. Shock and Vibration, 2017, 2017, 1-14.	0.6	6
58	Consolidation Theory for a Stone Column Composite Foundation under Multistage Loading. Mathematical Problems in Engineering, 2016, 2016, 1-8.	1.1	1
59	Torsional dynamic response of a pile embedded in layered soil based on the fictitious soil pile model. Computers and Geotechnics, 2016, 80, 190-198.	4.7	80
60	Experimental and numerical investigation on rainwater management of dual substrate layer green roofs using biochar-amended soil. Biomass Conversion and Biorefinery, 0, , 1.	4.6	1