

Pooneh Maghoul

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

358
citations

840776
11
h-index

940533
16
g-index

50
all docs

50
docs citations

50
times ranked

225
citing authors

#	ARTICLE	IF	CITATIONS
1	Feasibility study of snow melting system for bridge decks using geothermal energy piles integrated with heat pump in Canada. <i>Renewable Energy</i> , 2019, 136, 1266-1280.	8.9	35
2	Performance analysis of a proposed geothermal pile system for heating and cooling energy demand for a building in cold regions. <i>Sustainable Cities and Society</i> , 2019, 45, 669-682.	10.4	28
3	Site-specific spectral response of seismic movement due to geometrical and geotechnical characteristics of sites. <i>Soil Dynamics and Earthquake Engineering</i> , 2009, 29, 51-70.	3.8	25
4	Recent Advances in Nature-Inspired Solutions for Ground Engineering (NiSE). <i>International Journal of Geosynthetics and Ground Engineering</i> , 2022, 8, 1.	2.0	25
5	Boundary integral formulation and two-dimensional fundamental solutions for dynamic behavior analysis of unsaturated soils. <i>Soil Dynamics and Earthquake Engineering</i> , 2011, 31, 1480-1495.	3.8	22
6	Thermo-hydro-mechanical modeling of frost heave using the theory of poroelasticity for frost-susceptible soils in double-barrel culvert sites. <i>Transportation Geotechnics</i> , 2019, 20, 100251.	4.5	17
7	Sensitivity analysis and optimum design of a hydronic snow melting system during snowfall. <i>Physics and Chemistry of the Earth</i> , 2019, 113, 31-42.	2.9	17
8	Integrated approach for the MASW dispersion analysis using the spectral element technique and trust region reflective method. <i>Computers and Geotechnics</i> , 2020, 125, 103689.	4.7	16
9	Three-dimensional free vibration analysis of triclinic piezoelectric hollow cylinder. <i>Composites Part B: Engineering</i> , 2019, 158, 352-363.	12.0	15
10	Two-dimensional transient thermo-hydro-mechanical fundamental solutions of multiphase porous media in frequency and time domains. <i>International Journal of Solids and Structures</i> , 2010, 47, 595-610.	2.7	13
11	An overview of the acoustic studies of bone-like porous materials, and the effect of transverse acoustic waves. <i>International Journal of Engineering Science</i> , 2020, 147, 103189.	5.0	13
12	Evaluation of an integrated sewage pipe with ground heat exchanger for long-term efficiency estimation. <i>Geothermics</i> , 2020, 86, 101796.	3.4	12
13	Sustainability, climate resiliency, and mitigation capacity of geothermal heat pump systems in cold regions. <i>Geothermics</i> , 2021, 91, 101979.	3.4	11
14	Optimum insulation design for buried utilities subject to frost action in cold regions using the Nelder-Mead algorithm. <i>International Journal of Heat and Mass Transfer</i> , 2019, 130, 613-639.	4.8	9
15	Three-dimensional biomechanical modeling of cylindrical bone-like porous materials subject to acoustic waves. <i>International Journal of Mechanical Sciences</i> , 2022, 213, 106835.	6.7	8
16	A MULTI-SCALE SEISMIC RESPONSE OF TWO-DIMENSIONAL SEDIMENTARY VALLEYS DUE TO THE COMBINED EFFECTS OF TOPOGRAPHY AND GEOLOGY. <i>Journal of Multiscale Modeling</i> , 2011, 03, 133-149.	1.1	7
17	Thermal imbalance due to application of geothermal energy piles and mitigation strategies for sustainable development in cold regions: a review. <i>Innovative Infrastructure Solutions</i> , 2019, 4, 1.	2.2	7
18	Numerical analysis of pipeline response to slow landslides: case study. <i>Canadian Geotechnical Journal</i> , 2019, 56, 1779-1788.	2.8	7

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19	Transient acoustic wave propagation in bone-like porous materials using the theory of poroelasticity and fractional derivative: a sensitivity analysis. <i>Acta Mechanica</i> , 2020, 231, 179-203.	2.1	7
20	Structural fatigue crack localisation based on spatially distributed entropy and wavelet transform. <i>Engineering Structures</i> , 2022, 266, 114544.	5.3	7
21	Use of Rigid Geofoam Insulation to Mitigate Frost Heave at Shallow Culvert Installations. <i>Journal of Cold Regions Engineering - ASCE</i> , 2019, 33, .	1.1	6
22	Seismic physics-based characterization of permafrost sites using surface waves. <i>Cryosphere</i> , 2022, 16, 1157-1180.	3.9	6
23	Energy performance of below-grade envelope of an institutional building in cold regions. <i>Journal of Building Engineering</i> , 2020, 27, 100911.	3.4	5
24	Experimental investigation and numerical modeling of piezoelectric bender element motion and wave propagation analysis in soils. <i>Canadian Geotechnical Journal</i> , 2022, 59, 330-341.	2.8	5
25	Three-dimensional transient thermo-hydro-mechanical fundamental solutions of unsaturated soils. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2010, 34, 297-329.	3.3	4
26	Theory of a Time Domain Boundary Element Development for the Dynamic Analysis of Coupled Multiphase Porous Media. <i>Journal of Multiscale Modeling</i> , 2017, 08, 1750007.	1.1	4
27	Seismic Response of Alluvial Valleys Subject to Oblique Incidence of Shear Waves. <i>Journal of Earthquake Engineering</i> , 0, , 1-25.	2.5	4
28	Laboratory-scale characterization of saturated soil samples through ultrasonic techniques. <i>Scientific Reports</i> , 2020, 10, 3216.	3.3	3
29	Lateral force-displacement response of buried pipes in slopes. <i>Geotechnique</i> , 2023, 73, 375-387.	4.0	3
30	A Numerical Study on the Seismic Site Response of Rocky Valleys with Irregular Topographic Conditions. <i>Journal of Multiscale Modeling</i> , 2019, 10, 1850011.	1.1	2
31	GeoNDT: a fast general-purpose computational tool for geotechnical non-destructive testing applications. <i>Acta Geotechnica</i> , 2022, 17, 3515-3534.	5.7	2
32	A Boundary Element Formulation for the Wave Propagation in the Unsaturated Soils. , 2013, , .		1
33	Numerical Simulation for Foundations Energy Efficiency in Cold Region. , 2017, , .		1
34	Seismic Site Effect Investigation for Future Moonquake-Resistant Structures by Considering Geometrical and Geotechnical Characteristics of Lunar Bases. , 2021, , .		1
35	Apollo Seismic Data Interpretation Using an Elastodynamic Space-Time Spectral Element Technique and Dispersion Image Inversion Method. , 2021, , .		1
36	The Long-Term Mitigating Effect of Horizontal Ground-Source Heat Exchangers on Permafrost Thaw Settlement. <i>Processes</i> , 2021, 9, 1636.	2.8	1

#	ARTICLE	IF	CITATIONS
37	Investigation of the effects of heat loss through below-grade envelope of buildings in urban areas on thermo-mechanical behaviour of geothermal piles. E3S Web of Conferences, 2020, 205, 05010.	0.5	1
38	Modelling the penetration of subsonic rigid projectile probes into granular materials using the cavity expansion theory. Computers and Geotechnics, 2022, 141, 104546.	4.7	1
39	Effects of Slope Grade on Soil-Pipe Interaction: Full-Scale Experiments. , 2020, , .		1
40	The Optimum Pipeline Burial Depth Considering Slow Downslope Soil Movement and Seasonal Temperature Variation. , 2018, , .		0
41	A Study on the Performance of Insulation for Buried Utilities in Cold Regions. , 2019, , .		0
42	Analytical modeling of contact mechanics of helical gear tooth by considering surface roughness effects. Journal of Adhesion Science and Technology, 2020, 34, 2176-2199.	2.6	0
43	Closure to "Use of Rigid Geofoam Insulation to Mitigate Frost Heave at Shallow Culvert Installations" by Ahmed Moussa, Ahmed Shalaby, Leonnie Kavanagh, and Pooneh Maghoul. Journal of Cold Regions Engineering - ASCE, 2021, 35, 07020002.	1.1	0