

Pooneh Maghoul

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

358
citations

840728

11
h-index

940516

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

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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 Geof foam 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