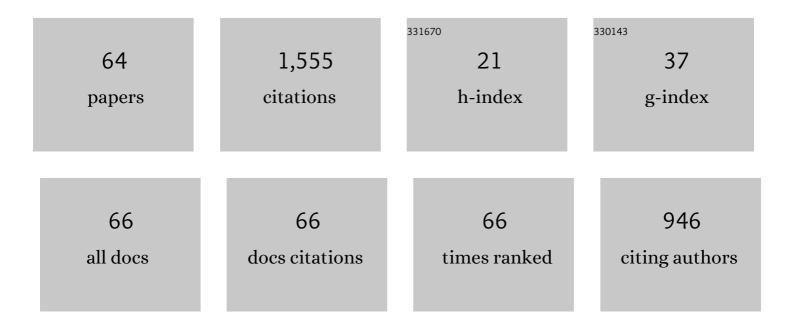
List of Publications by Year in descending order

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ILANKI MALINI

#	Article	IF	CITATIONS
1	Influence of freeze-thaw cycles on mechanical properties of a silty sand. Engineering Geology, 2016, 210, 23-32.	6.3	179
2	Experimental Study on the Stability of Railroad Silt Subgrade with Increasing Train Speed. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 833-841.	3.0	119
3	Experimental study of the dynamic properties of cement- and lime-modified clay soils subjected to freeze–thaw cycles. Cold Regions Science and Technology, 2010, 61, 29-33.	3.5	109
4	Performance of clay soil reinforced with fibers subjected to freeze-thaw cycles. Cold Regions Science and Technology, 2018, 153, 18-24.	3.5	67
5	Effect of freeze-thaw cycles on triaxial strength properties of fiber-reinforced clayey soil. KSCE Journal of Civil Engineering, 2017, 21, 2128-2140.	1.9	60
6	Numerical modelling of anti-frost heave measures of high-speed railway subgrade in cold regions. Cold Regions Science and Technology, 2017, 141, 28-35.	3.5	56
7	The experiment study of frost heave characteristics and gray correlation analysis of graded crushed rock. Cold Regions Science and Technology, 2016, 126, 44-50.	3.5	51
8	Dynamic behavior of fiber-reinforced soil under freeze-thaw cycles. Soil Dynamics and Earthquake Engineering, 2017, 101, 269-284.	3.8	51
9	Thermal characteristics and declining permafrost table beneath three cooling embankments in warm permafrost regions. Applied Thermal Engineering, 2017, 123, 435-447.	6.0	49
10	Experimental study on the volume and strength change of an unsaturated silty clay upon freezing. Cold Regions Science and Technology, 2019, 157, 1-12.	3.5	47
11	Numerical studies for the thermal regime of a roadbed with insulation on permafrost. Cold Regions Science and Technology, 2002, 35, 1-13.	3.5	45
12	Effect of sunny-shady slopes and strike on thermal regime of subgrade along a high-speed railway in cold regions, China. Engineering Geology, 2018, 232, 182-191.	6.3	44
13	Experimental study on direct shear behavior of frozen soil–concrete interface. Cold Regions Science and Technology, 2014, 104-105, 1-6.	3.5	33
14	Experimental and modeling investigation of the thermal conductivity of fiber-reinforced soil subjected to freeze-thaw cycles. Applied Thermal Engineering, 2016, 108, 824-832.	6.0	33
15	The crystallization and salt expansion characteristics of a silty clay. Cold Regions Science and Technology, 2018, 154, 63-73.	3.5	30
16	Dynamic behavior of clay modified with polypropylene fiber under freeze-thaw cycles. Transportation Geotechnics, 2019, 21, 100282.	4.5	30
17	Impact of cooling on shear strength of high salinity soils. Cold Regions Science and Technology, 2017, 141, 122-130.	3.5	28
18	A two-grid search scheme for large-scale 3-D finite element analyses of slope stability. Computers and Geotechnics, 2014, 62, 203-215.	4.7	27

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19	Ground temperature and deformation analysis for an expressway embankment in warm permafrost regions of the Tibet plateau. Permafrost and Periglacial Processes, 2019, 30, 208-221.	3.4	27
20	One-dimensional compression feature and particle crushability behavior of dry calcareous sand considering fine-grained soil content and relative compaction. Bulletin of Engineering Geology and the Environment, 2021, 80, 4049-4065.	3.5	23
21	A New Approach to Improve Soft Ground in a Railway Station Applying Air-Boosted Vacuum Preloading. Geotechnical Testing Journal, 2015, 38, 373-386.	1.0	23
22	Frost depth prediction for seasonal freezing area in Eastern Turkey. Cold Regions Science and Technology, 2016, 124, 118-126.	3.5	22
23	Dynamic characteristics of warm frozen soil under direct shear test-comparison with dynamic triaxial test. Soil Dynamics and Earthquake Engineering, 2020, 133, 106114.	3.8	21
24	Experimental and numerical investigation on the sunny-shady slopes effect of three cooling embankments along an expressway in warm permafrost region, China. Engineering Geology, 2020, 269, 105545.	6.3	21
25	Freeze-Thaw Cycle Impact on Volumetric and Low-Temperature Shear Behavior of High-Salinity Soils. Journal of Cold Regions Engineering - ASCE, 2019, 33, .	1.1	20
26	Macro- and micro-mechanical characteristics of crushed rock aggregate subjected to direct shearing. Transportation Geotechnics, 2015, 2, 10-19.	4.5	19
27	Performance of Clay Soil Reinforced with Fly Ash and Lignin Fiber Subjected to Freeze-Thaw Cycles. Journal of Cold Regions Engineering - ASCE, 2017, 31, .	1.1	19
28	Frost jacking characteristics of screw piles in seasonally frozen regions based on thermo-mechanical simulations. Computers and Geotechnics, 2017, 91, 27-38.	4.7	18
29	An experimental study on the effects of freeze–thaw cycles on phosphorus adsorption–desorption processes in brown soil. RSC Advances, 2017, 7, 37441-37446.	3.6	17
30	Numerical Simulation of Coupled Water and Salt Transfer in Soil and a Case Study of the Expansion of Subgrade composed by Saline Soil. Procedia Engineering, 2016, 143, 315-322.	1.2	16
31	Frost jacking characteristics of screw piles by model testing. Cold Regions Science and Technology, 2017, 138, 98-107.	3.5	16
32	Applicability evaluation of cast-in-place bored pile in permafrost regions based on a temperature-tracking concrete hydration model. Applied Thermal Engineering, 2019, 149, 484-491.	6.0	16
33	A method for frost jacking prediction of single pile in permafrost. Acta Geotechnica, 2020, 15, 455-470.	5.7	16
34	Fractal dimension, particle shape, and particle breakage analysis for calcareous sand. Bulletin of Engineering Geology and the Environment, 2022, 81, 1.	3.5	16
35	Design and validation of a new dynamic direct shear apparatus for frozen soil. Cold Regions Science and Technology, 2014, 106-107, 207-215.	3.5	14
36	Numerical modeling of the thermal performance of soil containing microencapsulated PCM. Construction and Building Materials, 2021, 298, 123865.	7.2	13

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37	New Approach for Predicting Particle Breakage of Granular Material Using the Grey System Theory. Journal of Materials in Civil Engineering, 2018, 30, .	2.9	12
38	Characterization and evaluation of permafrost thawing using GPR attributes in the Qinghai-Tibet Plateau. Cold Regions Science and Technology, 2018, 151, 302-313.	3.5	11
39	Development of a novel vapor compression refrigeration system (VCRS) for permafrost cooling. Cold Regions Science and Technology, 2021, 181, 103173.	3.5	11
40	Study of the thermal field of a mixture of soil and PCM materials with simulation of the warming effect during a phase change. Construction and Building Materials, 2020, 262, 120818.	7.2	10
41	Effects of microencapsulated phase change material characteristics on the thermal performance and mechanical behaviour of silty clay. Transportation Geotechnics, 2021, 29, 100584.	4.5	10
42	Mechanical characteristics and microstructure study of saline soil stabilized by quicklime after curing and freeze-thaw cycle. Cold Regions Science and Technology, 2022, 201, 103625.	3.5	10
43	Performance of silty sand reinforced with aqueous solution of polyvinyl alcohol subjected to freeze-thaw cycles. Cold Regions Science and Technology, 2020, 174, 103054.	3.5	9
44	Proposed application of a geothermal heat pump technique to address frost damage of embankments in cold regions. Cold Regions Science and Technology, 2022, 195, 103474.	3.5	9
45	Numeric simulation of permafrost degradation in the eastern Tibetan Plateau. Permafrost and Periglacial Processes, 2008, 19, 93-99.	3.4	8
46	A frost heaving mitigation method with the rubber-asphalt-fiber mixture cylinder. Cold Regions Science and Technology, 2020, 169, 102912.	3.5	8
47	Relationships between shear strength parameters and microstructure of alkaline-contaminated red clay. Environmental Science and Pollution Research, 2020, 27, 33848-33862.	5.3	7
48	A Simplified Model for the Phase Composition Curve of Saline Soils Considering the Second Phase Transition. Water Resources Research, 2021, 57, .	4.2	7
49	Prediction of dynamic pore water pressure for calcareous sand mixed with fine-grained soil under cyclic loading. Soil Dynamics and Earthquake Engineering, 2022, 157, 107276.	3.8	7
50	Experimental Study on Salt Expansion Characteristics of Coarse-Grained Sulfate Soils. Journal of Cold Regions Engineering - ASCE, 2020, 34, .	1.1	6
51	Analysis of Slope Stability and Software Development Based on Single-Grid and Two-Grid Finite Element Methods. Geotechnical and Geological Engineering, 2017, 35, 1369-1382.	1.7	5
52	Calculation for Frost Jacking Resistance of Single Helical Steel Piles in Cohesive Soils. Journal of Cold Regions Engineering - ASCE, 2021, 35, .	1.1	5
53	Impacts of organic matter and loading methods on one-dimensional compression behavior of calcareous sand. Marine Georesources and Geotechnology, 2022, 40, 1046-1059.	2.1	5
54	Robust partitioned block preconditioners for largeâ€scale geotechnical applications with soil–structure interactions. International Journal for Numerical and Analytical Methods in Geomechanics, 2014, 38, 72-91.	3.3	3

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55	Evaluation and Analysis of Dam Operating Status Using One Clock-Synchronized Dual-Antenna Receiver. Journal of Sensors, 2018, 2018, 1-12.	1.1	3
56	Experimental study on the correlation between the partial and total salt content in saline gravel using ion chromatography. Transportation Geotechnics, 2021, 26, 100424.	4.5	3
57	Influence of specific surface area on sulfate attack–induced expansion of cement-treated aggregates. Bulletin of Engineering Geology and the Environment, 2021, 80, 4841-4854.	3.5	3
58	Nonlinear Analysis for the Cooling Effect of Road Subgrade with Varying Spacings of Thermosyphons in Cold Region. , 2013, , .		2
59	TWO-DIMENSIONAL FRACTAL MODEL FOR ULTIMATE CRUSHING STATE OF COARSE AGGREGATES. Fractals, 2019, 27, 1950109.	3.7	2
60	Experimental Study on the Shear Strength of Fine Sand Reinforced by Grouting and Freezing. Transportation Infrastructure Geotechnology, 2016, 3, 21-35.	3.1	1
61	Modeling the Cutting and Filling Process of Roadbed Construction on Permafrost. , 2002, , 460.		0
62	Bagged Reinforced Concrete Shaft in Saline Soils in Cold Regions. , 2017, , .		0
63	Behavior of Compacted Collapsible Soil After Adding Calcium Chloride. Lecture Notes in Civil Engineering, 2022, , 387-399.	0.4	0
64	Experimental Study on Dynamic Properties of Clay Modified by Aught-Set Solidifying Agent Subjected to Freeze-Thaw Cycles. , 2013, , 86-94.		0