

Ali Tolooiyan

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

632
citations

623699

14
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642715

23
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40
all docs

40
docs citations

40
times ranked

449
citing authors

#	ARTICLE	IF	CITATIONS
1	Modelling the Cone Penetration Test in sand using Cavity Expansion and Arbitrary Lagrangian Eulerian Finite Element Methods. <i>Computers and Geotechnics</i> , 2011, 38, 482-490.	4.7	75
2	Prediction and classification for finite element slope stability analysis by random field comparison. <i>Computers and Geotechnics</i> , 2019, 109, 117-129.	4.7	65
3	Field investigation of the axial resistance of helical piles in dense sand. <i>Canadian Geotechnical Journal</i> , 2014, 51, 1343-1354.	2.8	58
4	Geophysical and geotechnical assessment of a railway embankment failure. <i>Near Surface Geophysics</i> , 2011, 9, 33-44.	1.2	43
5	Optimisation of strength reduction finite element method codes for slope stability analysis. <i>Innovative Infrastructure Solutions</i> , 2018, 3, 1.	2.2	28
6	The Potential of Lime and Grand Granulated Blast Furnace Slag (GGBFS) Mixture for Stabilisation of Desert Silty Sands. <i>Journal of Civil Engineering Research</i> , 2012, 2, 108-119.	0.5	27
7	A comprehensive method for analyzing the effect of geotextile layers on embankment stability. <i>Geotextiles and Geomembranes</i> , 2009, 27, 399-405.	4.6	23
8	Performance of a geogrid reinforced soil wall on PVD drained multilayer soft soils. <i>Geotextiles and Geomembranes</i> , 2016, 44, 219-229.	4.6	23
9	Comparative Approaches to Probabilistic Finite Element Methods for Slope Stability Analysis. <i>Simulation Modelling Practice and Theory</i> , 2020, 100, 102061.	3.8	23
10	A mesoscopic model for thermal-solutal problems of power-law fluids through porous media. <i>Physics of Fluids</i> , 2021, 33, .	4.0	22
11	The effect of instrumentation on the determination of the resilient modulus of unbound granular materials using advanced repeated load triaxial testing. <i>Transportation Geotechnics</i> , 2018, 14, 190-201.	4.5	17
12	Probabilistic investigation of RFEM topologies for slope stability analysis. <i>Computers and Geotechnics</i> , 2019, 114, 103129.	4.7	17
13	Measurement of the Tensile Strength of Organic Soft Rock. <i>Geotechnical Testing Journal</i> , 2014, 37, 20140028.	1.0	17
14	Sensitivity of the stability assessment of a deep excavation to the material characterisations and analysis methods. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2020, 6, 1.	2.9	15
15	The base resistance of non-displacement piles in sand. Part II: finite-element analyses. <i>Proceedings of the Institution of Civil Engineers: Geotechnical Engineering</i> , 2013, 166, 549-560.	1.6	12
16	Long-term dynamic behaviour of Coode Island Silt (CIS) containing different sand content. <i>Applied Ocean Research</i> , 2018, 73, 59-69.	4.1	12
17	Application of Ground Penetrating Radar (GPR) to Detect Joints in Organic Soft Rock. <i>Geotechnical Testing Journal</i> , 2019, 42, 257-274.	1.0	12
18	The base resistance of non-displacement piles in sand. Part I: field tests. <i>Proceedings of the Institution of Civil Engineers: Geotechnical Engineering</i> , 2013, 166, 540-548.	1.6	11

#	ARTICLE	IF	CITATIONS
19	Structural behaviour of an Australian silty clay (Coode Island silt) stabilised by treatment with slag lime. <i>Applied Clay Science</i> , 2018, 157, 198-203.	5.2	10
20	The Effect of the Depth of Cutter Soil Mixing on the Compressive Behavior of Soft Clay Treated by Alkali-Activated Slag. <i>KSCE Journal of Civil Engineering</i> , 2019, 23, 4237-4249.	1.9	10
21	Investigation of an Australian soft rock permeability variation. <i>Bulletin of Engineering Geology and the Environment</i> , 2020, 79, 3087-3104.	3.5	10
22	Slope stability analysis using deterministic and probabilistic approaches for poorly defined stratigraphies. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2021, 7, 1.	2.9	10
23	Unconfined Expansion Test (UET) for measuring the tensile strength of organic soft rock. <i>Computers and Geotechnics</i> , 2017, 82, 54-66.	4.7	9
24	Post-long-term cyclic behaviour of Coode Island Silt (CIS) containing different sand content. <i>Applied Ocean Research</i> , 2018, 80, 11-23.	4.1	9
25	An investigation of correlation factors linking footing resistance on sand with cone penetration test results. <i>Computers and Geotechnics</i> , 2012, 46, 84-92.	4.7	8
26	A preliminary study of the effect of groundwater flow on the thermal front created by borehole heat exchangers. <i>International Journal of Low-Carbon Technologies</i> , 2014, 9, 284-295.	2.6	8
27	Use of stochastic XFEM in the investigation of heterogeneity effects on the tensile strength of intermediate geotechnical materials. <i>Finite Elements in Analysis and Design</i> , 2018, 145, 1-9.	3.2	8
28	Investigating the elastoplasticity of an Australian soft rock based on laboratory test results. <i>Engineering Geology</i> , 2020, 276, 105762.	6.3	8
29	Effect of Cutter Soil Mixing (CSM) method and curing pressures on the tensile strength of a treated soft clay. <i>Heliyon</i> , 2019, 5, e02186.	3.2	6
30	Effect of rock mass permeability and rock fracture leak-off coefficient on the pore water pressure distribution in a fractured slope. <i>Simulation Modelling Practice and Theory</i> , 2020, 105, 102167.	3.8	6
31	Design and Optimisation of Drainage Systems for Fractured Slopes Using the XFEM and FEM. <i>Simulation Modelling Practice and Theory</i> , 2020, 103, 102110.	3.8	5
32	An Investigation of Cross-Sectional Spatial Variation with Random Finite Element Method Slope Stability Analysis. <i>Geotechnical and Geological Engineering</i> , 2020, 38, 6467-6485.	1.7	5
33	Effect of Sand Content on the Liquefaction Potential and Post-Earthquake Behaviour of Coode Island Silt. <i>Geotechnical and Geological Engineering</i> , 2021, 39, 549-563.	1.7	5
34	Coupled Eulerian-Lagrangian simulation of a modified direct shear apparatus for the measurement of residual shear strengths. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2021, , .	8.1	5
35	The mechanical behaviour of pre-existing transverse cracks in lignite under uniaxial compression. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2021, 7, 1.	2.9	4
36	Maximising the efficiency of Menard pressuremeter testing in cohesive materials by a cookie-cutter drilling technique. <i>Engineering Geology</i> , 2021, 287, 106096.	6.3	3

#	ARTICLE	IF	CITATIONS
37	Effect of negative excess pore-water pressure on the stability of excavated slopes. Geotechnique Letters, 2020, 10, 20-29.	1.2	2
38	Numerical and Finite Element Analysis of Heat Transfer in a Closed Loop Geothermal System. International Journal of Green Energy, 2014, 11, 206-223.	3.8	1
39	Technical and economical comparison between two reinforcement methods of coastal dykes. , 2006, , 561-566.		0