

Majid Nazem

List of Publications by Year in descending order

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66
papers

2,022
citations

236925

25
h-index

254184

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docs citations

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times ranked

1245
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel technique based on the improved firefly algorithm coupled with extreme learning machine (ELM-IFF) for predicting the thermal conductivity of soil. <i>Engineering With Computers</i> , 2022, 38, 3321-3340.	6.1	78
2	A novel improved Harris Hawks optimization algorithm coupled with ELM for predicting permeability of tight carbonates. <i>Engineering With Computers</i> , 2022, 38, 4323-4346.	6.1	24
3	Predicting permeability of tight carbonates using a hybrid machine learning approach of modified equilibrium optimizer and extreme learning machine. <i>Acta Geotechnica</i> , 2022, 17, 1239-1255.	5.7	41
4	Predicting the thermal conductivity of soils using integrated approach of ANN and PSO with adaptive and time-varying acceleration coefficients. <i>International Journal of Thermal Sciences</i> , 2022, 173, 107427.	4.9	41
5	Fully coupled global equations for hydro-mechanical analysis of unsaturated soils. <i>Computational Mechanics</i> , 2021, 67, 107-125.	4.0	4
6	Improved prediction of slope stability using a hybrid stacking ensemble method based on finite element analysis and field data. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2021, 13, 188-201.	8.1	119
7	A time-based track quality index: Melbourne tram case study. <i>International Journal of Rail Transportation</i> , 2021, 9, 23-38.	2.7	11
8	Numerical Modelling of Dynamic Compaction of Soils. <i>Lecture Notes in Civil Engineering</i> , 2021, , 935-942.	0.4	0
9	Numerical Analysis of Shallow Foundations Considering Hydraulic Hysteresis and Deformation Dependent Soil-Water Retention. <i>Lecture Notes in Civil Engineering</i> , 2021, , 949-956.	0.4	0
10	Modelling of municipal solid waste gasification using an optimised ensemble soft computing model. <i>Fuel</i> , 2021, 289, 119903.	6.4	60
11	Unsaturated soil dynamics: Finite element solution including stress-induced anisotropy. <i>Computers and Geotechnics</i> , 2021, 133, 104062.	4.7	19
12	Estimating unconfined compressive strength of unsaturated cemented soils using alternative evolutionary approaches. <i>Transportation Geotechnics</i> , 2021, 29, 100591.	4.5	27
13	Alternative remeshing techniques for large deformation analysis of geotechnical problems. <i>Computers and Geotechnics</i> , 2021, 138, 104344.	4.7	2
14	Finite element solution for static and dynamic interactions of cylindrical rigid objects and unsaturated granular soils. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021, 384, 113974.	6.6	13
15	Estimation of Bearing Capacity of Piles in Cohesionless Soil Using Optimised Machine Learning Approaches. <i>Geotechnical and Geological Engineering</i> , 2020, 38, 2271-2291.	1.7	70
16	Dynamic Compaction of Clays: Numerical Study Based on the Mechanics of Unsaturated Soils. <i>International Journal of Geomechanics</i> , 2020, 20, .	2.7	21
17	A review of rail track degradation prediction models. <i>Australian Journal of Civil Engineering</i> , 2019, 17, 152-166.	1.6	30
18	Prediction of tram track gauge deviation using artificial neural network and support vector regression. <i>Australian Journal of Civil Engineering</i> , 2019, 17, 63-71.	1.6	17

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19	Numerical advancements on the analysis of dynamically installed anchors. <i>Ocean Engineering</i> , 2019, 182, 343-359.	4.3	8
20	Development of a tram track degradation prediction model based on the acceleration data. <i>Structure and Infrastructure Engineering</i> , 2019, 15, 1308-1318.	3.7	20
21	Assessing the effects of rock mass gradual deterioration on the long-term stability of abandoned mine workings and the mechanisms of post-mining subsidence – A case study of Castle Fields mine. <i>Tunnelling and Underground Space Technology</i> , 2019, 88, 169-185.	6.2	31
22	Integration of Genetic Algorithm and Support Vector Machine to Predict Rail Track Degradation. <i>MATEC Web of Conferences</i> , 2019, 259, 02007.	0.2	8
23	Finite element implementation of a fully coupled hydro-mechanical model and unsaturated soil analysis under hydraulic and mechanical loads. <i>Computers and Geotechnics</i> , 2019, 110, 222-241.	4.7	18
24	A stress integration scheme for elasto-plastic response of unsaturated soils subjected to large deformations. <i>Computers and Geotechnics</i> , 2018, 94, 231-246.	4.7	13
25	Rail Degradation Prediction Models for Tram System: Melbourne Case Study. <i>Journal of Advanced Transportation</i> , 2018, 2018, 1-8.	1.7	20
26	Application of the third medium method for frictionless contact problems in geomechanics. <i>Computers and Geotechnics</i> , 2017, 85, 117-125.	4.7	4
27	A Numerical Investigation of Sinkhole Subsidence Development over Shallow Excavations in Tectonised Weak Rocks: The Dolaei Tunnel's Excavation Case. <i>Geotechnical and Geological Engineering</i> , 2017, 35, 1685-1716.	1.7	19
28	On the application of the maximum entropy meshfree method for elastoplastic geotechnical analysis. <i>Computers and Geotechnics</i> , 2017, 84, 68-77.	4.7	9
29	Numerical analysis of a large landslide induced by coal mining subsidence. <i>Engineering Geology</i> , 2017, 217, 141-152.	6.3	144
30	Expanded polystyrene geofoam in pavement construction. <i>Construction and Building Materials</i> , 2017, 157, 438-448.	7.2	46
31	The effect of rock mass gradual deterioration on the mechanism of post-mining subsidence over shallow abandoned coal mines. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2017, 91, 59-71.	5.8	97
32	Frictionless contact formulation for dynamic analysis of nonlinear saturated porous media based on the mortar method. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2016, 40, 25-61.	3.3	32
33	Coupled analysis of dynamically penetrating anchors. <i>Computers and Geotechnics</i> , 2016, 77, 26-44.	4.7	32
34	A stable Maximum-Entropy Meshless method for analysis of porous media. <i>Computers and Geotechnics</i> , 2016, 80, 248-260.	4.7	6
35	Dynamic Analysis of Unsaturated Soils Subjected to Large Deformations. <i>Applied Mechanics and Materials</i> , 2016, 846, 354-359.	0.2	7
36	On Application of the Maximum Entropy Meshless Method for Large Deformation Analysis of Geotechnical Problems. <i>Applied Mechanics and Materials</i> , 2016, 846, 331-335.	0.2	1

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37	Alternative Mesh Refinement Methods for Analysing Soil Penetration Problems. Applied Mechanics and Materials, 2016, 846, 415-420.	0.2	1
38	Numerical analysis of penetrometers free-falling into soil with shear strength increasing linearly with depth. Computers and Geotechnics, 2016, 72, 57-66.	4.7	30
39	Numerical modelling of multiphase flow in unsaturated deforming porous media. Computers and Geotechnics, 2016, 71, 195-206.	4.7	48
40	Large deformation finite element analyses in geotechnical engineering. Computers and Geotechnics, 2015, 65, 104-114.	4.7	197
41	One-dimensional test problems for dynamic consolidation. Acta Geotechnica, 2015, 10, 173-178.	5.7	14
42	Efficiency of High-Order Elements in Large-Deformation Problems of Geomechanics. International Journal of Geomechanics, 2015, 15, .	2.7	27
43	The Maximum-Entropy Meshless method for dynamic and coupled analysis of offshore geotechnical problems. , 2015, , 1145-1149.		1
44	Large deformation dynamic analysis of saturated porous media with applications to penetration problems. Computers and Geotechnics, 2014, 55, 117-131.	4.7	53
45	Application of the distinct element method and the extended finite element method in modelling cracks and coalescence in brittle materials. Computational Materials Science, 2014, 91, 102-121.	3.0	54
46	Numerical modelling of offshore pipe-seabed interaction problems. , 2014, , 655-660.		1
47	Large deformation analysis of geomechanics problems by a combined rh-adaptive finite element method. Computers and Geotechnics, 2013, 49, 90-99.	4.7	22
48	Dynamic analysis of a smooth penetrometer free-falling into uniform clay. Geotechnique, 2012, 62, 893-905.	4.0	62
49	A comparative study of error assessment techniques for dynamic contact problems of geomechanics. Computers and Geotechnics, 2012, 40, 62-73.	4.7	6
50	Refined h-adaptive finite element procedure for large deformation geotechnical problems. Computational Mechanics, 2012, 49, 21-33.	4.0	21
51	Analysis of dynamic penetration of soils. , 2012, , 3-13.		0
52	Arbitrary Lagrangian-Eulerian method for non-linear problems of geomechanics. IOP Conference Series: Materials Science and Engineering, 2010, 10, 012074.	0.6	4
53	Dynamic Analysis of Free-Falling Penetrometers in Soil Deposits. , 2010, , .		9
54	Some computational aspects for solving deep penetration problems in geomechanics. Computational Mechanics, 2009, 44, 549-561.	4.0	54

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55	Alternative stress-integration schemes for large-deformation problems of solid mechanics. Finite Elements in Analysis and Design, 2009, 45, 934-943.	3.2	28
56	Arbitrary Lagrangian-Eulerian method for dynamic analysis of geotechnical problems. Computers and Geotechnics, 2009, 36, 549-557.	4.7	62
57	Arbitrary Lagrangian-Eulerian method for large-strain consolidation problems. International Journal for Numerical and Analytical Methods in Geomechanics, 2008, 32, 1023-1050.	3.3	88
58	Alternative stress integration schemes in large deformation problems of geomechanics. , 2007, , .		0
59	An implicit mixed enthalpy-temperature method for phase-change problems. Heat and Mass Transfer, 2006, 43, 233-241.	2.1	21
60	Stress integration and mesh refinement for large deformation in geomechanics. International Journal for Numerical Methods in Engineering, 2006, 65, 1002-1027.	2.8	115
61	Alternative solution methods for large deformations in geomechanics. , 2004, , 265-271.		1
62	Elasto-plastic analysis of three-dimensional structures. Engineering Computations, 2003, 20, 274-295.	1.4	1
63	Analysis of Soil Penetration Problems by High-Order Elements. Applied Mechanics and Materials, 0, 553, 401-404.	0.2	1
64	On Application of the Third Medium Contact Method in Analysis of Geotechnical Problems. Applied Mechanics and Materials, 0, 846, 282-287.	0.2	0
65	Optimisation of a Slope-Stabilisation System Combining Gabion-Faced Geogrid-Reinforced Retaining Wall with Embedded Piles. KSCE Journal of Civil Engineering, 0, , 1.	1.9	8
66	Experimental Study and Machine Learning Aided Modelling of the Mechanical Behaviour of Rammed Earth. Geotechnical and Geological Engineering, 0, , .	1.7	1