Majid Nazem

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5474517/publications.pdf

Version: 2024-02-01

66 papers	2,022 citations	236925 25 h-index	254184 43 g-index
66 all docs	66 docs citations	66 times ranked	1245 citing authors

#	Article	IF	Citations
1	Large deformation finite element analyses in geotechnical engineering. Computers and Geotechnics, 2015, 65, 104-114.	4.7	197
2	Numerical analysis of a large landslide induced by coal mining subsidence. Engineering Geology, 2017, 217, 141-152.	6.3	144
3	Improved prediction of slope stability using a hybrid stacking ensemble method based on finite element analysis and field data. Journal of Rock Mechanics and Geotechnical Engineering, 2021, 13, 188-201.	8.1	119
4	Stress integration and mesh refinement for large deformation in geomechanics. International Journal for Numerical Methods in Engineering, 2006, 65, 1002-1027.	2.8	115
5	The effect of rock mass gradual deterioration on the mechanism of post-mining subsidence over shallow abandoned coal mines. International Journal of Rock Mechanics and Minings Sciences, 2017, 91, 59-71.	5.8	97
6	Arbitrary Lagrangianâ€“Eulerian method for largeâ€strain consolidation problems. International Journal for Numerical and Analytical Methods in Geomechanics, 2008, 32, 1023-1050.	3.3	88
7	A novel technique based on the improved firefly algorithm coupled with extreme learning machine (ELM-IFF) for predicting the thermal conductivity of soil. Engineering With Computers, 2022, 38, 3321-3340.	6.1	78
8	Estimation of Bearing Capacity of Piles in Cohesionless Soil Using Optimised Machine Learning Approaches. Geotechnical and Geological Engineering, 2020, 38, 2271-2291.	1.7	70
9	Arbitrary Lagrangianâ€“Eulerian method for dynamic analysis of geotechnical problems. Computers and Geotechnics, 2009, 36, 549-557.	4.7	62
10	Dynamic analysis of a smooth penetrometer free-falling into uniform clay. Geotechnique, 2012, 62, 893-905.	4.0	62
11	Modelling of municipal solid waste gasification using an optimised ensemble soft computing model. Fuel, 2021, 289, 119903.	6.4	60
12	Some computational aspects for solving deep penetration problems in geomechanics. Computational Mechanics, 2009, 44, 549-561.	4.0	54
13	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
14	Large deformation dynamic analysis of saturated porous media with applications to penetration problems. Computers and Geotechnics, 2014, 55, 117-131.	4.7	53
15	Numerical modelling of multiphase flow in unsaturated deforming porous media. Computers and Geotechnics, 2016, 71, 195-206.	4.7	48
16	Expanded polystyrene geofoam in pavement construction. Construction and Building Materials, 2017, 157, 438-448.	7.2	46
17	Predicting permeability of tight carbonates using a hybrid machine learning approach of modified equilibrium optimizer and extreme learning machine. Acta Geotechnica, 2022, 17, 1239-1255.	5.7	41
18	Predicting the thermal conductivity of soils using integrated approach of ANN and PSO with adaptive and time-varying acceleration coefficients. International Journal of Thermal Sciences, 2022, 173, 107427.	4.9	41

#	Article	IF	Citations
19	Frictionless contact formulation for dynamic analysis of nonlinear saturated porous media based on the mortar method. International Journal for Numerical and Analytical Methods in Geomechanics, 2016, 40, 25-61.	3.3	32
20	Coupled analysis of dynamically penetrating anchors. Computers and Geotechnics, 2016, 77, 26-44.	4.7	32
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 â€“ A case study of Castle Fields mine. Tunnelling and Underground Space Technology, 2019, 88, 169-185.	6.2	31
22	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
23	A review of rail track degradation prediction models. Australian Journal of Civil Engineering, 2019, 17, 152-166.	1.6	30
24	Alternative stress-integration schemes for large-deformation problems of solid mechanics. Finite Elements in Analysis and Design, 2009, 45, 934-943.	3.2	28
25	Efficiency of High-Order Elements in Large-Deformation Problems of Geomechanics. International Journal of Geomechanics, 2015, 15, .	2.7	27
26	Estimating unconfined compressive strength of unsaturated cemented soils using alternative evolutionary approaches. Transportation Geotechnics, 2021, 29, 100591.	4.5	27
27	A novel improved Harris Hawks optimization algorithm coupled with ELM for predicting permeability of tight carbonates. Engineering With Computers, 2022, 38, 4323-4346.	6.1	24
28	Large deformation analysis of geomechanics problems by a combined rh-adaptive finite element method. Computers and Geotechnics, 2013, 49, 90-99.	4.7	22
29	An implicit mixed enthalpyâ€“temperature method for phase-change problems. Heat and Mass Transfer, 2006, 43, 233-241.	2.1	21
30	Refined h-adaptive finite element procedure for large deformation geotechnical problems. Computational Mechanics, 2012, 49, 21-33.	4.0	21
31	Dynamic Compaction of Clays: Numerical Study Based on the Mechanics of Unsaturated Soils. International Journal of Geomechanics, 2020, 20, .	2.7	21
32	Rail Degradation Prediction Models for Tram System: Melbourne Case Study. Journal of Advanced Transportation, 2018, 2018, 1-8.	1.7	20
33	Development of a tram track degradation prediction model based on the acceleration data. Structure and Infrastructure Engineering, 2019, 15, 1308-1318.	3.7	20
34	A Numerical Investigation of Sinkhole Subsidence Development over Shallow Excavations in Tectonised Weak Rocks: The Dolaei Tunnelâ€™s Excavation Case. Geotechnical and Geological Engineering, 2017, 35, 1685-1716.	1.7	19
35	Unsaturated soil dynamics: Finite element solution including stress-induced anisotropy. Computers and Geotechnics, 2021, 133, 104062.	4.7	19
36	Finite element implementation of a fully coupled hydro-mechanical model and unsaturated soil analysis under hydraulic and mechanical loads. Computers and Geotechnics, 2019, 110, 222-241.	4.7	18

#	Article	IF	Citations
37	Prediction of tram track gauge deviation using artificial neural network and support vector regression. Australian Journal of Civil Engineering, 2019, 17, 63-71.	1.6	17
38	One-dimensional test problems for dynamic consolidation. Acta Geotechnica, 2015, 10, 173-178.	5.7	14
39	A stress integration scheme for elasto-plastic response of unsaturated soils subjected to large deformations. Computers and Geotechnics, 2018, 94, 231-246.	4.7	13
40	Finite element solution for static and dynamic interactions of cylindrical rigid objects and unsaturated granular soils. Computer Methods in Applied Mechanics and Engineering, 2021, 384, 113974.	6.6	13
41	A time-based track quality index: Melbourne tram case study. International Journal of Rail Transportation, 2021, 9, 23-38.	2.7	11
42	Dynamic Analysis of Free-Falling Penetrometers in Soil Deposits. , 2010, , .		9
43	On the application of the maximum entropy meshfree method for elastoplastic geotechnical analysis. Computers and Geotechnics, 2017, 84, 68-77.	4.7	9
44	Numerical advancements on the analysis of dynamically installed anchors. Ocean Engineering, 2019, 182, 343-359.	4.3	8
45	Integration of Genetic Algorithm and Support Vector Machine to Predict Rail Track Degradation. MATEC Web of Conferences, 2019, 259, 02007.	0.2	8
46	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
47	Dynamic Analysis of Unsaturated Soils Subjected to Large Deformations. Applied Mechanics and Materials, 2016, 846, 354-359.	0.2	7
48	A comparative study of error assessment techniques for dynamic contact problems of geomechanics. Computers and Geotechnics, 2012, 40, 62-73.	4.7	6
49	A stable Maximum-Entropy Meshless method for analysis of porous media. Computers and Geotechnics, 2016, 80, 248-260.	4.7	6
50	Arbitrary Lagrangian-Eulerian method for non-linear problems of geomechanics. IOP Conference Series: Materials Science and Engineering, 2010, 10, 012074.	0.6	4
51	Application of the third medium method for frictionless contact problems in geomechanics. Computers and Geotechnics, 2017, 85, 117-125.	4.7	4
52	Fully coupled global equations for hydro-mechanical analysis of unsaturated soils. Computational Mechanics, 2021, 67, 107-125.	4.0	4
53	Alternative remeshing techniques for large deformation analysis of geotechnical problems. Computers and Geotechnics, 2021, 138, 104344.	4.7	2
54	Elastoâ€plastic analysis of threeâ€dimensional structures. Engineering Computations, 2003, 20, 274-295.	1.4	1

#	Article	IF	Citations
55	Analysis of Soil Penetration Problems by High-Order Elements. Applied Mechanics and Materials, 0, 553, 401-404.	0.2	1
56	On Application of the Maximum Entropy Meshless Method for Large Deformation Analysis of Geotechnical Problems. Applied Mechanics and Materials, 2016, 846, 331-335.	0.2	1
57	Alternative Mesh Refinement Methods for Analysing Soil Penetration Problems. Applied Mechanics and Materials, 2016, 846, 415-420.	0.2	1
58	Alternative solution methods for large deformations in geomechanics. , 2004, , 265-271.		1
59	Numerical modelling of offshore pipe-seabed interaction problems. , 2014, , 655-660.		1
60	The Maximum-Entropy Meshless method for dynamic and coupled analysis of offshore geotechnical problems. , 2015, , 1145-1149.		1
61	Experimental Study and Machine Learning Aided Modelling of the Mechanical Behaviour of Rammed Earth. Geotechnical and Geological Engineering, 0, , .	1.7	1
62	Alternative stress integration schemes in large deformation problems of geomechanics. , 2007, , .		0
63	On Application of the Third Medium Contact Method in Analysis of Geotechnical Problems. Applied Mechanics and Materials, 0, 846, 282-287.	0.2	0
64	Numerical Modelling of Dynamic Compaction of Soils. Lecture Notes in Civil Engineering, 2021, , 935-942.	0.4	0
65	Numerical Analysis of Shallow Foundations Considering Hydraulic Hysteresis and Deformation Dependent Soil-Water Retention. Lecture Notes in Civil Engineering, 2021, , 949-956.	0.4	0
66	Analysis of dynamic penetration of soils. , 2012, , 3-13.		0