

Hakan Basarir

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

42
papers

792
citations

19
h-index

26
g-index

42
ext. papers

927
ext. citations

4.1
avg, IF

4.62
L-index

#	Paper	IF	Citations
42	An engineered ML model for prediction of the compressive strength of Eco-SCC based on type and proportions of materials. <i>Cleaner Materials</i> , 2022 , 100072		1
41	Development of ECO-UHPC utilizing gold mine tailings as quartz sand alternative. <i>Cleaner Engineering and Technology</i> , 2021 , 4, 100176	2.7	5
40	The Optimization of Cemented Hydraulic Backfill Mixture Design Parameters for Different Strength Conditions Using Artificial Intelligence Algorithms. <i>Springer Series in Geomechanics and Geoengineering</i> , 2020 , 219-227	0.1	5
39	The critical behaviour of finite thickness lining systems in tunnels. <i>European Journal of Environmental and Civil Engineering</i> , 2020 , 1-18	1.5	2
38	Closed-Form Solution to the Poromechanics of Deep Arbitrary-Shaped Openings Subjected to Rock Mass Alteration. <i>International Journal of Geomechanics</i> , 2020 , 20, 04020223	3.1	1
37	Multi-objective mixture design of cemented paste backfill using particle swarm optimisation algorithm. <i>Minerals Engineering</i> , 2020 , 153, 106385	4.9	12
36	Energy Dissipation and Storage in Underground Mining Operations. <i>Rock Mechanics and Rock Engineering</i> , 2019 , 52, 229-245	5.7	26
35	Analytical solution for stress distribution around deep lined pressure tunnels under the water table. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2019 , 123, 104124	6	18
34	An Evolutionary-Based Prediction Model of the 28-Day Compressive Strength of High-Performance Concrete Containing Cementitious Materials. <i>Advances in Civil Engineering Materials</i> , 2019 , 8, 20190016	0.7	6
33	Laboratory evaluation of shear strength properties for cement-based grouted coal mass. <i>Arabian Journal of Geosciences</i> , 2019 , 12, 1	1.8	24
32	Gateway stability analysis by global-local modeling approach. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2019 , 113, 31-40	6	34
31	The prediction of ultimate pure bending moment of concrete-filled steel tubes by adaptive neuro-fuzzy inference system (ANFIS). <i>Neural Computing and Applications</i> , 2019 , 31, 1239-1252	4.8	19
30	Prediction of rock mass P wave velocity using blasthole drilling information. <i>International Journal of Mining, Reclamation and Environment</i> , 2019 , 33, 61-74	2.2	2
29	Analytical solution of energy redistribution in rectangular openings upon in-situ rock mass alteration. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2018 , 106, 74-83	6	24
28	Multi-scale Modeling Approach to Predict the Nonlinear Behavior of CNT-reinforced Concrete Columns Subjected to Service Loading. <i>Structures</i> , 2018 , 14, 301-312	3.4	9
27	Lattice Finite Strain Theory for Non-hydrostatically Compressed Materials. <i>Rock Mechanics and Rock Engineering</i> , 2018 , 51, 3313-3319	5.7	
26	An adaptive neuro fuzzy inference system to model the uniaxial compressive strength of cemented hydraulic backfill. <i>Mining of Mineral Deposits</i> , 2018 , 12, 1-12	1.7	10

25	Computational monitoring in real time: review of methods and applications. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2018 , 4, 235-271	3.8	12
24	Strengthening of mild steel struts using CFRP sheets subjected to uniform axial compression. <i>Thin-Walled Structures</i> , 2017 , 116, 96-112	4.7	10
23	CFRP strengthening and rehabilitation of corroded steel pipelines under direct indentation. <i>Thin-Walled Structures</i> , 2017 , 119, 510-521	4.7	27
22	Self-consistent fractal damage of natural geo-materials in finite strain. <i>Mechanics of Materials</i> , 2017 , 104, 107-120	3.3	22
21	Green Concrete with High-Volume Fly Ash and Slag with Recycled Aggregate and Recycled Water to Build Future Sustainable Cities. <i>Journal of Materials in Civil Engineering</i> , 2017 , 29, 04016219	3	34
20	The use of soft computing methods for the prediction of rock properties based on measurement while drilling data 2017 ,		9
19	Preliminary estimation of rock mass strength using diamond bit drilling operational parameters. <i>International Journal of Mining, Reclamation and Environment</i> , 2016 , 30, 145-164	2.2	18
18	Prediction of the stresses around main and tail gates during top coal caving by 3D numerical analysis. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2015 , 76, 88-97	6	66
17	Penetration rate prediction for diamond bit drilling by adaptive neuro-fuzzy inference system and multiple regressions. <i>Engineering Geology</i> , 2014 , 173, 1-9	6	44
16	Assessment of slope stability using fuzzy sets and systems. <i>International Journal of Mining, Reclamation and Environment</i> , 2013 , 27, 312-328	2.2	8
15	Prediction of the performance of impact hammer by adaptive neuro-fuzzy inference system modelling. <i>Tunnelling and Underground Space Technology</i> , 2011 , 26, 38-45	5.7	20
14	The analysis of radial displacements occurring near the face of a circular opening in weak rock mass. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2010 , 47, 771-783	6	27
13	Geostatistical modeling of spatial variability of SPT data for a borax stockpile site. <i>Engineering Geology</i> , 2010 , 114, 154-163	6	17
12	Engineering geological evaluation and preliminary support design for the metro extension tunnel, Ankara, Turkey. <i>Bulletin of Engineering Geology and the Environment</i> , 2009 , 68, 397-408	4	7
11	Analysis of rock support interaction using numerical and multiple regression modeling. <i>Canadian Geotechnical Journal</i> , 2008 , 45, 1-13	3.2	19
10	3D Modeling of Ripping Process. <i>International Journal of Geomechanics</i> , 2008 , 8, 11-19	3.1	3
9	Specific energy based rippability classification system for coal measure rock. <i>Journal of Terramechanics</i> , 2008 , 45, 51-62	2.2	7
8	Engineering geological appraisal of the rock masses and preliminary support design, Dorukhan Tunnel, Zonguldak, Turkey. <i>Engineering Geology</i> , 2007 , 92, 14-26	6	38

7	Finite element analysis for the twin metro tunnel constructed in Ankara Clay, Turkey. <i>Bulletin of Engineering Geology and the Environment</i> , 2007 , 66, 71-79	4	52
6	Engineering geological appraisal of the Sulakyurt dam site, Turkey. <i>Bulletin of Engineering Geology and the Environment</i> , 2007 , 66, 483-492	4	17
5	Engineering geological studies and tunnel support design at Sulakyurt dam site, Turkey. <i>Engineering Geology</i> , 2006 , 86, 225-237	6	42
4	Analysis of support requirements for a shallow diversion tunnel at Guledar dam site, Turkey. <i>Engineering Geology</i> , 2005 , 81, 131-145	6	32
3	A rippability classification system for marls in lignite mines. <i>Engineering Geology</i> , 2004 , 74, 303-318	6	39
2	Support capacity estimation of a diversion tunnel in weak rock. <i>Engineering Geology</i> , 2003 , 68, 319-331	6	20
1	Multi-objective mixture design and optimisation of steel fiber reinforced UHPC using machine learning algorithms and metaheuristics. <i>Engineering With Computers</i> ,1	4-5	4