

Danial Jahed Armaghani

List of Publications by Year in descending order

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194
papers

12,719
citations

18887

64
h-index

38517

99
g-index

197
all docs

197
docs citations

197
times ranked

3861
citing authors

#	ARTICLE	IF	CITATIONS
1	A new multikernel relevance vector machine based on the HPSOGWO algorithm for predicting and controlling blast-induced ground vibration. <i>Engineering With Computers</i> , 2022, 38, 1905-1920.	3.5	30
2	A new hybrid model of information entropy and unascertained measurement with different membership functions for evaluating distressability in burst-prone underground mines. <i>Engineering With Computers</i> , 2022, 38, 381-399.	3.5	20
3	Developing a hybrid model of information entropy and unascertained measurement theory for evaluation of the excavatability in rock mass. <i>Engineering With Computers</i> , 2022, 38, 247-270.	3.5	20
4	Stochastic fractal search-tuned ANFIS model to predict blast-induced air overpressure. <i>Engineering With Computers</i> , 2022, 38, 497-511.	3.5	24
5	Proposing several hybrid PSO-extreme learning machine techniques to predict TBM performance. <i>Engineering With Computers</i> , 2022, 38, 3811-3827.	3.5	34
6	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.	3.5	78
7	Load carrying capacity assessment of thin-walled foundations: an ANFIS-PNN model optimized by genetic algorithm. <i>Engineering With Computers</i> , 2022, 38, 4073-4095.	3.5	19
8	Review on Dynamic Behaviour of Earth Dam and Embankment During an Earthquake. <i>Geotechnical and Geological Engineering</i> , 2022, 40, 3-33.	0.8	11
9	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.	3.5	24
10	An optimized system of GMDH-ANFIS predictive model by ICA for estimating pile bearing capacity. <i>Artificial Intelligence Review</i> , 2022, 55, 2313-2350.	9.7	50
11	Two novel combined systems for predicting the peak shear strength using RBFNN and meta-heuristic computing paradigms. <i>Engineering With Computers</i> , 2022, 38, 129-140.	3.5	11
12	Optimized functional linked neural network for predicting diaphragm wall deflection induced by braced excavations in clays. <i>Geoscience Frontiers</i> , 2022, 13, 101313.	4.3	30
13	A precise neuro-fuzzy model enhanced by artificial bee colony techniques for assessment of rock brittleness index. <i>Neural Computing and Applications</i> , 2022, 34, 3263-3281.	3.2	21
14	Modeling Flexural and Compressive Strengths Behaviour of Cement-Grouted Sands Modified with Water Reducer Polymer. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1016.	1.3	31
15	Predicting tunnel squeezing using support vector machine optimized by whale optimization algorithm. <i>Acta Geotechnica</i> , 2022, 17, 1343-1366.	2.9	60
16	Data-Driven Compressive Strength Prediction of Fly Ash Concrete Using Ensemble Learner Algorithms. <i>Buildings</i> , 2022, 12, 132.	1.4	47
17	A Short Overview of Soft Computing Techniques in Tunnel Construction. <i>Open Construction and Building Technology Journal</i> , 2022, 16, .	0.3	0
18	A Short Overview of Soft Computing Techniques in Tunnel Construction. <i>Open Construction and Building Technology Journal</i> , 2022, 16, .	0.3	5

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19	Novel ensemble intelligence methodologies for rockburst assessment in complex and variable environments. <i>Scientific Reports</i> , 2022, 12, 1844.	1.6	27
20	Slope Stability Classification under Seismic Conditions Using Several Tree-Based Intelligent Techniques. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1753.	1.3	44
21	Intelligent rockburst prediction model with sample category balance using feedforward neural network and Bayesian optimization. <i>Underground Space (China)</i> , 2022, 7, 833-846.	3.4	32
22	Employing a genetic algorithm and grey wolf optimizer for optimizing RF models to evaluate soil liquefaction potential. <i>Artificial Intelligence Review</i> , 2022, 55, 5673-5705.	9.7	45
23	Reliability and Prediction of Embedment Depth of Sheet pile Walls Using Hybrid ANN with Optimization Techniques. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 12853-12871.	1.7	18
24	A parametric study of ground vibration induced by quarry blasting: an application of group method of data handling. <i>Environmental Earth Sciences</i> , 2022, 81, 1.	1.3	5
25	Novel Ensemble Tree Solution for Rockburst Prediction Using Deep Forest. <i>Mathematics</i> , 2022, 10, 787.	1.1	29
26	Ensemble machine learning models for prediction of flyrock due to quarry blasting. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 8661-8676.	1.8	15
27	Introducing stacking machine learning approaches for the prediction of rock deformation. <i>Transportation Geotechnics</i> , 2022, 34, 100756.	2.0	55
28	The Efficiency of Hybrid Intelligent Models in Predicting Fiber-Reinforced Polymer Concrete Interfacial-Bond Strength. <i>Materials</i> , 2022, 15, 3019.	1.3	10
29	Prediction of Bearing Capacity of the Square Concrete-Filled Steel Tube Columns: An Application of Metaheuristic-Based Neural Network Models. <i>Materials</i> , 2022, 15, 3309.	1.3	13
30	Prediction and optimization of flyrock and oversize boulder induced by mine blasting using artificial intelligence techniques. <i>Environmental Earth Sciences</i> , 2022, 81, .	1.3	7
31	A new hybrid simulated annealing-based genetic programming technique to predict the ultimate bearing capacity of piles. <i>Engineering With Computers</i> , 2021, 37, 2111.	3.5	50
32	Developing a hybrid model of salp swarm algorithm-based support vector machine to predict the strength of fiber-reinforced cemented paste backfill. <i>Engineering With Computers</i> , 2021, 37, 3519-3540.	3.5	97
33	Estimation of the TBM advance rate under hard rock conditions using XGBoost and Bayesian optimization. <i>Underground Space (China)</i> , 2021, 6, 506-515.	3.4	129
34	A novel approach for forecasting of ground vibrations resulting from blasting: modified particle swarm optimization coupled extreme learning machine. <i>Engineering With Computers</i> , 2021, 37, 3221-3235.	3.5	58
35	Design and implementation of a new tuned hybrid intelligent model to predict the uniaxial compressive strength of the rock using SFS-ANFIS. <i>Engineering With Computers</i> , 2021, 37, 2717-2734.	3.5	54
36	Investigating the effective parameters on the risk levels of rockburst phenomena by developing a hybrid heuristic algorithm. <i>Engineering With Computers</i> , 2021, 37, 1679.	3.5	74

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37	Development of a new methodology for estimating the amount of PPV in surface mines based on prediction and probabilistic models (GEP-MC). <i>International Journal of Mining, Reclamation and Environment</i> , 2021, 35, 48-68.	1.2	59
38	A Novel Combination of Whale Optimization Algorithm and Support Vector Machine with Different Kernel Functions for Prediction of Blasting-Induced Fly-Rock in Quarry Mines. <i>Natural Resources Research</i> , 2021, 30, 191-207.	2.2	69
39	Stability analysis of underground mine hard rock pillars via combination of finite difference methods, neural networks, and Monte Carlo simulation techniques. <i>Underground Space (China)</i> , 2021, 6, 379-395.	3.4	61
40	Hybridization of Parametric and Non-parametric Techniques to Predict Air Over-pressure Induced by Quarry Blasting. <i>Natural Resources Research</i> , 2021, 30, 209-224.	2.2	15
41	Developing GEP tree-based, neuro-swarm, and whale optimization models for evaluation of bearing capacity of concrete-filled steel tube columns. <i>Engineering With Computers</i> , 2021, 37, 1-19.	3.5	149
42	Application of Tree-Based Predictive Models to Forecast Air Overpressure Induced by Mine Blasting. <i>Natural Resources Research</i> , 2021, 30, 1865-1887.	2.2	32
43	Predicting TBM penetration rate in hard rock condition: A comparative study among six XGB-based metaheuristic techniques. <i>Geoscience Frontiers</i> , 2021, 12, 101091.	4.3	170
44	Optimization of support vector machine through the use of metaheuristic algorithms in forecasting TBM advance rate. <i>Engineering Applications of Artificial Intelligence</i> , 2021, 97, 104015.	4.3	195
45	A Novel Combination of Tree-Based Modeling and Monte Carlo Simulation for Assessing Risk Levels of Flyrock Induced by Mine Blasting. <i>Natural Resources Research</i> , 2021, 30, 225-243.	2.2	38
46	A comparative study of ANN and ANFIS models for the prediction of cement-based mortar materials compressive strength. <i>Neural Computing and Applications</i> , 2021, 33, 4501-4532.	3.2	194
47	An efficient optimal neural network based on gravitational search algorithm in predicting the deformation of geogrid-reinforced soil structures. <i>Transportation Geotechnics</i> , 2021, 26, 100446.	2.0	57
48	Prediction of air-overpressure induced by blasting using an ANFIS-PNN model optimized by GA. <i>Applied Soft Computing Journal</i> , 2021, 99, 106904.	4.1	58
49	Estimation of ultimate bearing capacity of driven piles in c-ŕ soil using MLP-GWO and ANFIS-GWO models: a comparative study. <i>Soft Computing</i> , 2021, 25, 4103-4119.	2.1	34
50	A Combination of Expert-Based System and Advanced Decision-Tree Algorithms to Predict Air-Overpressure Resulting from Quarry Blasting. <i>Natural Resources Research</i> , 2021, 30, 1889-1903.	2.2	22
51	A new technique to predict fly-rock in bench blasting based on an ensemble of support vector regression and GLMNET. <i>Engineering With Computers</i> , 2021, 37, 421-435.	3.5	51
52	A new development of ANFISŕGMDH optimized by PSO to predict pile bearing capacity based on experimental datasets. <i>Engineering With Computers</i> , 2021, 37, 685-700.	3.5	83
53	Deep neural network and whale optimization algorithm to assess flyrock induced by blasting. <i>Engineering With Computers</i> , 2021, 37, 173-186.	3.5	107
54	Strength evaluation of granite block samples with different predictive models. <i>Engineering With Computers</i> , 2021, 37, 891-908.	3.5	18

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55	Applying a meta-heuristic algorithm to predict and optimize compressive strength of concrete samples. <i>Engineering With Computers</i> , 2021, 37, 1133-1145.	3.5	51
56	A new design of evolutionary hybrid optimization of SVR model in predicting the blast-induced ground vibration. <i>Engineering With Computers</i> , 2021, 37, 1455-1471.	3.5	60
57	A Combination of Fuzzy Delphi Method and ANN-based Models to Investigate Factors of Flyrock Induced by Mine Blasting. <i>Natural Resources Research</i> , 2021, 30, 1905-1924.	2.2	25
58	A Comparative Study of Artificial Intelligence Techniques to Estimate TBM Performance in Various Weathering Zones. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2021, , 55-70.	0.2	7
59	Rock-Burst Occurrence Prediction Based on Optimized Naïve Bayes Models. <i>IEEE Access</i> , 2021, 9, 91347-91360.	2.6	27
60	Rockburst prediction in hard rock mines developing bagging and boosting tree-based ensemble techniques. <i>Journal of Central South University</i> , 2021, 28, 527-542.	1.2	78
61	Optimal ELM-Harris Hawks Optimization and ELM-Grasshopper Optimization Models to Forecast Peak Particle Velocity Resulting from Mine Blasting. <i>Natural Resources Research</i> , 2021, 30, 2647-2662.	2.2	38
62	A novel approach for classification of soils based on laboratory tests using Adaboost, Tree and ANN modeling. <i>Transportation Geotechnics</i> , 2021, 27, 100508.	2.0	70
63	Prediction of Peak Particle Velocity Caused by Blasting through the Combinations of Boosted-CHAID and SVM Models with Various Kernels. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3705.	1.3	29
64	Stochastic assessment of hard rock pillar stability based on the geological strength index system. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , 2021, 7, 1.	1.3	10
65	TBM performance prediction developing a hybrid ANFIS-PNN predictive model optimized by imperialism competitive algorithm. <i>Neural Computing and Applications</i> , 2021, 33, 16149-16179.	3.2	29
66	A hybrid GEP and WOA approach to estimate the optimal penetration rate of TBM in granitic rock mass. <i>Soft Computing</i> , 2021, 25, 11877-11895.	2.1	23
67	A Novel Combination of Gradient Boosted Tree and Optimized ANN Models for Forecasting Ground Vibration Due to Quarry Blasting. <i>Natural Resources Research</i> , 2021, 30, 4657-4671.	2.2	13
68	A new development of ANFIS-Based Henry gas solubility optimization technique for prediction of soil shear strength. <i>Transportation Geotechnics</i> , 2021, 29, 100579.	2.0	22
69	Stacking Ensemble Tree Models to Predict Energy Performance in Residential Buildings. <i>Sustainability</i> , 2021, 13, 8298.	1.6	20
70	Neuro-swarm and neuro-imperialism techniques to investigate the compressive strength of concrete constructed by freshwater and magnetic salty water. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 182, 109720.	2.5	15
71	Application of hybrid intelligent systems in predicting the unconfined compressive strength of clay material mixed with recycled additive. <i>Transportation Geotechnics</i> , 2021, 30, 100627.	2.0	24
72	The Effects of Rock Index Tests on Prediction of Tensile Strength of Granitic Samples: A Neuro-Fuzzy Intelligent System. <i>Sustainability</i> , 2021, 13, 10541.	1.6	25

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73	Tensile strength prediction of rock material using non-destructive tests: A comparative intelligent study. <i>Transportation Geotechnics</i> , 2021, 31, 100652.	2.0	72
74	Prediction of TBM performance in fresh through weathered granite using empirical and statistical approaches. <i>Tunnelling and Underground Space Technology</i> , 2021, 118, 104183.	3.0	39
75	The Effectiveness of Ensemble-Neural Network Techniques to Predict Peak Uplift Resistance of Buried Pipes in Reinforced Sand. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 908.	1.3	27
76	An evolutionary adaptive neuro-fuzzy inference system for estimating field penetration index of tunnel boring machine in rock mass. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2021, 13, 1290-1299.	3.7	26
77	Factors Influencing Pile Friction Bearing Capacity: Proposing a Novel Procedure Based on Gradient Boosted Tree Technique. <i>Sustainability</i> , 2021, 13, 11862.	1.6	15
78	Optimized Support Vector Machines Combined with Evolutionary Random Forest for Prediction of Back-Break Caused by Blasting Operation. <i>Sustainability</i> , 2021, 13, 12797.	1.6	18
79	Novel Fuzzy-Based Optimization Approaches for the Prediction of Ultimate Axial Load of Circular Concrete-Filled Steel Tubes. <i>Buildings</i> , 2021, 11, 629.	1.4	28
80	Development of a new hybrid ANN for solving a geotechnical problem related to tunnel boring machine performance. <i>Engineering With Computers</i> , 2020, 36, 345-357.	3.5	108
81	The effects of ABC, ICA, and PSO optimization techniques on prediction of ripping production. <i>Engineering With Computers</i> , 2020, 36, 1355-1370.	3.5	24
82	Development of a novel hybrid intelligent model for solving engineering problems using GS-GMDH algorithm. <i>Engineering With Computers</i> , 2020, 36, 1379-1391.	3.5	40
83	Neuro-genetic, neuro-imperialism and genetic programming models in predicting ultimate bearing capacity of pile. <i>Engineering With Computers</i> , 2020, 36, 1101-1115.	3.5	53
84	Various effective factors on peak uplift resistance of pipelines in sand: a comparative study. <i>International Journal of Geotechnical Engineering</i> , 2020, 14, 820-827.	1.1	5
85	Prediction of Lateral Deflection of Small-Scale Piles Using Hybrid PSO-ANN Model. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 3499-3509.	1.7	24
86	Use of Intelligent Methods to Design Effective Pattern Parameters of Mine Blasting to Minimize Flyrock Distance. <i>Natural Resources Research</i> , 2020, 29, 625-639.	2.2	70
87	The use of new intelligent techniques in designing retaining walls. <i>Engineering With Computers</i> , 2020, 36, 283-294.	3.5	61
88	Evaluation and Optimization of Prediction of Toe that Arises from Mine Blasting Operation Using Various Soft Computing Techniques. <i>Natural Resources Research</i> , 2020, 29, 887-903.	2.2	16
89	Random Forest and Bayesian Network Techniques for Probabilistic Prediction of Flyrock Induced by Blasting in Quarry Sites. <i>Natural Resources Research</i> , 2020, 29, 655-667.	2.2	55
90	Forecasting of TBM advance rate in hard rock condition based on artificial neural network and genetic programming techniques. <i>Bulletin of Engineering Geology and the Environment</i> , 2020, 79, 2069-2084.	1.6	63

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91	Prediction of ground vibration induced by blasting operations through the use of the Bayesian Network and random forest models. <i>Soil Dynamics and Earthquake Engineering</i> , 2020, 139, 106390.	1.9	123
92	A Novel Feature Selection Approach Based on Tree Models for Evaluating the Punching Shear Capacity of Steel Fiber-Reinforced Concrete Flat Slabs. <i>Materials</i> , 2020, 13, 3902.	1.3	75
93	A GMDH Predictive Model to Predict Rock Material Strength Using Three Non-destructive Tests. <i>Journal of Nondestructive Evaluation</i> , 2020, 39, 1.	1.1	30
94	Machine Learning Classifiers for Modeling Soil Characteristics by Geophysics Investigations: A Comparative Study. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5734.	1.3	9
95	A combination of fuzzy Delphi method and hybrid ANN-based systems to forecast ground vibration resulting from blasting. <i>Scientific Reports</i> , 2020, 10, 19397.	1.6	44
96	Seepage Analysis in Short Embankments Using Developing a Metaheuristic Method Based on Governing Equations. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1761.	1.3	28
97	A SVR-GWO technique to minimize flyrock distance resulting from blasting. <i>Bulletin of Engineering Geology and the Environment</i> , 2020, 79, 4369-4385.	1.6	63
98	Prediction of rockburst risk in underground projects developing a neuro-bee intelligent system. <i>Bulletin of Engineering Geology and the Environment</i> , 2020, 79, 4265-4279.	1.6	70
99	Gaussian Process Regression Technique to Estimate the Pile Bearing Capacity. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 8255-8267.	1.7	69
100	The Potential Application of a New Intelligent Based Approach in Predicting the Tensile Strength of Rock. <i>IEEE Access</i> , 2020, 8, 57148-57157.	2.6	34
101	Investigating the Applications of Machine Learning Techniques to Predict the Rock Brittleness Index. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1691.	1.3	27
102	Development of fuzzy-GMDH model optimized by GSA to predict rock tensile strength based on experimental datasets. <i>Neural Computing and Applications</i> , 2020, 32, 14047-14067.	3.2	31
103	Evaluating Slope Deformation of Earth Dams Due to Earthquake Shaking Using MARS and GMDH Techniques. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1486.	1.3	36
104	Predicting the use frequency of ride-sourcing by off-campus university students through random forest and Bayesian network techniques. <i>Transportation Research, Part A: Policy and Practice</i> , 2020, 136, 262-281.	2.0	40
105	On the Use of Neuro-Swarm System to Forecast the Pile Settlement. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1904.	1.3	62
106	Examining Hybrid and Single SVM Models with Different Kernels to Predict Rock Brittleness. <i>Sustainability</i> , 2020, 12, 2229.	1.6	67
107	A Novel Intelligent ELM-BBO Technique for Predicting Distance of Mine Blasting-Induced Flyrock. <i>Natural Resources Research</i> , 2020, 29, 4103-4120.	2.2	56
108	Development of a Group Method of Data Handling Technique to Forecast Iron Ore Price. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2364.	1.3	16

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109	Artificial Neural Network and Firefly Algorithm for Estimation and Minimization of Ground Vibration Induced by Blasting in a Mine. <i>Natural Resources Research</i> , 2020, 29, 4121-4132.	2.2	32
110	Intelligence Prediction of Some Selected Environmental Issues of Blasting: A Review. <i>Open Construction and Building Technology Journal</i> , 2020, 14, 298-308.	0.3	27
111	Practical Risk Assessment of Ground Vibrations Resulting from Blasting, Using Gene Expression Programming and Monte Carlo Simulation Techniques. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 472.	1.3	50
112	A Combination of Feature Selection and Random Forest Techniques to Solve a Problem Related to Blast-Induced Ground Vibration. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 869.	1.3	67
113	Predicting tunnel boring machine performance through a new model based on the group method of data handling. <i>Bulletin of Engineering Geology and the Environment</i> , 2019, 78, 3799-3813.	1.6	114
114	Applying various hybrid intelligent systems to evaluate and predict slope stability under static and dynamic conditions. <i>Soft Computing</i> , 2019, 23, 5913-5929.	2.1	151
115	Improving Performance of Retaining Walls Under Dynamic Conditions Developing an Optimized ANN Based on Ant Colony Optimization Technique. <i>IEEE Access</i> , 2019, 7, 94692-94700.	2.6	66
116	A new hybrid method for predicting ripping production in different weathering zones through in situ tests. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 147, 106826.	2.5	42
117	A new approach for estimation of rock brittleness based on non-destructive tests. <i>Nondestructive Testing and Evaluation</i> , 2019, 34, 354-375.	1.1	53
118	Supervised Machine Learning Techniques to the Prediction of Tunnel Boring Machine Penetration Rate. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3715.	1.3	155
119	Application of several optimization techniques for estimating TBM advance rate in granitic rocks. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2019, 11, 779-789.	3.7	156
120	Estimating the friction angle of black shale core specimens with hybrid-ANN approaches. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 145, 744-755.	2.5	40
121	Computational estimation of lateral pile displacement in layered sand using experimental data. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 146, 110-118.	2.5	18
122	Random Forests and Cubist Algorithms for Predicting Shear Strengths of Rockfill Materials. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1621.	1.3	152
123	Application of deep neural networks in predicting the penetration rate of tunnel boring machines. <i>Bulletin of Engineering Geology and the Environment</i> , 2019, 78, 6347-6360.	1.6	108
124	Assessing Dynamic Conditions of the Retaining Wall: Developing Two Hybrid Intelligent Models. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1042.	1.3	116
125	Developing a new intelligent technique to predict overbreak in tunnels using an artificial bee colony-based ANN. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	1.3	63
126	A Gene Expression Programming Model for Predicting Tunnel Convergence. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4650.	1.3	74

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127	Invasive Weed Optimization Technique-Based ANN to the Prediction of Rock Tensile Strength. Applied Sciences (Switzerland), 2019, 9, 5372.	1.3	88
128	Rock tensile strength prediction using empirical and soft computing approaches. Bulletin of Engineering Geology and the Environment, 2019, 78, 4519-4531.	1.6	40
129	A neuro-genetic predictive model to approximate overbreak induced by drilling and blasting operation in tunnels. Bulletin of Engineering Geology and the Environment, 2019, 78, 981-990.	1.6	115
130	Three hybrid intelligent models in estimating flyrock distance resulting from blasting. Engineering With Computers, 2019, 35, 243-256.	3.5	145
131	Implementing an ANN model optimized by genetic algorithm for estimating cohesion of limestone samples. Engineering With Computers, 2018, 34, 307-317.	3.5	76
132	Experimental and intelligent techniques to estimate bearing capacity of cohesive soft soils reinforced with soil-cement columns. Measurement: Journal of the International Measurement Confederation, 2018, 124, 529-538.	2.5	48
133	A Risk-Based Technique to Analyze Flyrock Results Through Rock Engineering System. Geotechnical and Geological Engineering, 2018, 36, 2247-2260.	0.8	60
134	Airblast prediction through a hybrid genetic algorithm-ANN model. Neural Computing and Applications, 2018, 29, 619-629.	3.2	138
135	Settlement prediction of the rock-socketed piles through a new technique based on gene expression programming. Neural Computing and Applications, 2018, 29, 1115-1125.	3.2	59
136	Feasibility of ICA in approximating ground vibration resulting from mine blasting. Neural Computing and Applications, 2018, 29, 457-465.	3.2	105
137	Prediction and minimization of blast-induced flyrock using gene expression programming and firefly algorithm. Neural Computing and Applications, 2018, 29, 269-281.	3.2	54
138	Intelligent modelling of sandstone deformation behaviour using fuzzy logic and neural network systems. Bulletin of Engineering Geology and the Environment, 2018, 77, 345-361.	1.6	55
139	Uniaxial compressive strength prediction through a new technique based on gene expression programming. Neural Computing and Applications, 2018, 30, 3523-3532.	3.2	74
140	Performance prediction of tunnel boring machine through developing a gene expression programming equation. Engineering With Computers, 2018, 34, 129-141.	3.5	87
141	Optimization of flyrock and rock fragmentation in the Tajareh limestone mine using metaheuristics method of firefly algorithm. Engineering With Computers, 2018, 34, 241-251.	3.5	61
142	Optimizing an ANN model with ICA for estimating bearing capacity of driven pile in cohesionless soil. Engineering With Computers, 2018, 34, 347-356.	3.5	123
143	Prediction of bearing capacity of thin-walled foundation: a simulation approach. Engineering With Computers, 2018, 34, 319-327.	3.5	40
144	Prediction of the durability of limestone aggregates using computational techniques. Neural Computing and Applications, 2018, 29, 423-433.	3.2	42

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145	Development of GP and GEP models to estimate an environmental issue induced by blasting operation. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 351.	1.3	61
146	Developing a hybrid PSO-ANN model for estimating the ultimate bearing capacity of rock-socketed piles. <i>Neural Computing and Applications</i> , 2017, 28, 391-405.	3.2	155
147	Application of PSO to develop a powerful equation for prediction of flyrock due to blasting. <i>Neural Computing and Applications</i> , 2017, 28, 1043-1050.	3.2	147
148	An optimized ANN model based on genetic algorithm for predicting ripping production. <i>Neural Computing and Applications</i> , 2017, 28, 393-406.	3.2	85
149	Function development for appraising brittleness of intact rocks using genetic programming and non-linear multiple regression models. <i>Engineering With Computers</i> , 2017, 33, 13-21.	3.5	64
150	Classification and regression tree technique in estimating peak particle velocity caused by blasting. <i>Engineering With Computers</i> , 2017, 33, 45-53.	3.5	66
151	A Monte Carlo technique in safety assessment of slope under seismic condition. <i>Engineering With Computers</i> , 2017, 33, 807-817.	3.5	62
152	Shaft resistance of bored piles socketed in Malaysian granite. <i>Proceedings of the Institution of Civil Engineers: Geotechnical Engineering</i> , 2017, 170, 335-352.	0.9	10
153	Ripping Production Prediction in Different Weathering Zones According to Field Data. <i>Geotechnical and Geological Engineering</i> , 2017, 35, 2381-2399.	0.8	16
154	Development of a precise model for prediction of blast-induced flyrock using regression tree technique. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	63
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