Hossein Moayedi

List of Publications by Year
in descending order

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192 papers	7,754 citations	50566 48 h-index	90395 73 g-index
195 all docs	195 docs citations	195 times ranked	5095 citing authors

#	Article	IF	Citations
1	Wildfire susceptibility mapping using two empowered machine learning algorithms. Stochastic Environmental Research and Risk Assessment, 2023, 37, 49-72.	1.9	7
2	Application of Metaheuristic Algorithms for Pressure Analysis of Crude Oil Pipeline. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2022, 44, 5124-5142.	1.2	4
3	Quick integrative optimizers for minimizing the error of neural computing in pan evaporation modeling. Engineering With Computers, 2022, 38, 1331-1347.	3.5	13
4	Slope stability evaluation using neural network optimized by equilibrium optimization and vortex search algorithm. Engineering With Computers, 2022, 38, 1269-1283.	3.5	15
5	A water cycle-based error minimization technique in predicting the bearing capacity of shallow foundation. Engineering With Computers, 2022, 38, 3993-4006.	3.5	15
6	Application of novel ensemble models and k-fold CV approaches for Land subsidence susceptibility modelling. Stochastic Environmental Research and Risk Assessment, 2022, 36, 201-223.	1.9	10
7	Drought risk assessment: integrating meteorological, hydrological, agricultural and socio-economic factors using ensemble models and geospatial techniques. Geocarto International, 2022, 37, 6087-6115.	1.7	21
8	Flash-flood potential index estimation using fuzzy logic combined with deep learning neural network, naÃ¯ve Bayes, XGBoost and classification and regression tree. Geocarto International, 2022, 37, 6780-6807.	1.7	22
9	Flash-flood hazard susceptibility mapping in Kangsabati River Basin, India. Geocarto International, 2022, 37, 6713-6735.	1.7	38
10	A TLBO-Tuned Neural Processor for Predicting Heating Load in Residential Buildings. Sustainability, 2022, 14, 5924.	1.6	12
11	Prediction of landslides by machine learning algorithms and statistical methods in Iran. Environmental Earth Sciences, 2022, 81, .	1.3	6
12	Application of nonlocal strainâ€“stress gradient theory and GDQEM for thermo-vibration responses of a laminated composite nanoshell. Engineering With Computers, 2021, 37, 3359-3374.	3.5	62
13	A novel artificial intelligence technique to predict compressive strength of recycled aggregate concrete using ICA-XGBoost model. Engineering With Computers, 2021, 37, 3329-3346.	3.5	176
14	Teachingâ€“learning-based metaheuristic scheme for modifying neural computing in appraising energy performance of building. Engineering With Computers, 2021, 37, 3037-3048.	3.5	47
15	Genetic algorithm hybridized with multilayer perceptron to have an economical slope stability design. Engineering With Computers, 2021, 37, 3067-3078.	3.5	37
16	Sine cosine grey wolf optimizer to solve engineering design problems. Engineering With Computers, 2021, 37, 3123-3149.	3.5	57
17	Frequency characteristics of a viscoelastic graphene nanoplateletâ€“reinforced composite circular microplate. JVC/Journal of Vibration and Control, 2021, 27, 101-118.	1.5	77
18	The feasibility of PSOâ€“ANFIS in estimating bearing capacity of strip foundations rested on cohesionless slope. Neural Computing and Applications, 2021, 33, 4165-4177.	3.2	9

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19	Laboratory and numerical analysis of geogrid encased stone columns. Measurement: Journal of the International Measurement Confederation, 2021, 169, 108369.	2.5	13
20	Imperialist competitive algorithm hybridized with multilayer perceptron to predict the load-settlement of square footing on layered soils. Measurement: Journal of the International Measurement Confederation, 2021, 172, 108837.	2.5	15
21	Fine-tuning of neural computing using whale optimization algorithm for predicting compressive strength of concrete. Engineering With Computers, 2021, 37, 701-712.	3.5	43
22	A novel constitutive modelling approach measured under simulated freezeâ€“thaw cycles for the rock failure. Engineering With Computers, 2021, 37, 779-792.	3.5	41
23	Comparison of dragonfly algorithm and Harris hawks optimization evolutionary data mining techniques for the assessment of bearing capacity of footings over two-layer foundation soils. Engineering With Computers, 2021, 37, 437-447.	3.5	60
24	A novel artificial intelligence technique for analyzing slope stability using PSO-CA model. Engineering With Computers, 2021, 37, 533-544.	3.5	44
25	Harmonized salp chain-built optimization. Engineering With Computers, 2021, 37, 1049-1079.	3.5	53
26	A novel Harris hawksâ€™ optimization and k-fold cross-validation predicting slope stability. Engineering With Computers, 2021, 37, 369-379.	3.5	113
27	Novel metaheuristic classification approach in developing mathematical model-based solutions predicting failure in shallow footing. Engineering With Computers, 2021, 37, 223-230.	3.5	9
28	Nonlinear evolutionary swarm intelligence of grasshopper optimization algorithm and gray wolf optimization for weight adjustment of neural network. Engineering With Computers, 2021, 37, 1265-1275.	3.5	59
29	Swarm-based analysis through social behavior of grey wolf optimization and genetic programming to predict friction capacity of driven piles. Engineering With Computers, 2021, 37, 1277-1293.	3.5	20
30	Proposing two new metaheuristic algorithms of ALO-MLP and SHO-MLP inÂpredicting bearing capacity of circular footing located on horizontal multilayer soil. Engineering With Computers, 2021, 37, 1537-1547.	3.5	17
31	Free vibration analysis of an electro-elastic GPLRC cylindrical shell surrounded by viscoelastic foundation using modified length-couple stress parameter. Mechanics Based Design of Structures and Machines, 2021, 49, 738-762.	3.4	101
32	Spatial prediction of shallow landslide: application of novel rotational forest-based reduced error pruning tree. Geomatics, Natural Hazards and Risk, 2021, 12, 1343-1370.	2.0	15
33	An Innovative Metaheuristic Strategy for Solar Energy Management through a Neural Networks Framework. Energies, 2021, 14, 1196.	1.6	31
34	Electrical Power Prediction through a Combination of Multilayer Perceptron with Water Cycle Ant Lion and Satin Bowerbird Searching Optimizers. Sustainability, 2021, 13, 2336.	1.6	21
35	Geotechnical parameters modelling and the radiation safety of expansive clayey soil treated with waste marble powder: a case study at west Gulf of Suez, Egypt. Environmental Earth Sciences, 2021, 80, 1.	1.3	17
36	Synthesizing Multi-Layer Perceptron Network with Ant Lion Biogeography-Based Dragonfly Algorithm Evolutionary Strategy Invasive Weed and League Champion Optimization Hybrid Algorithms in Predicting Heating Load in Residential Buildings. Sustainability, 2021, 13, 3198.	1.6	22

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37	Suggesting a Stochastic Fractal Search Paradigm in Combination with Artificial Neural Network for Early Prediction of Cooling Load in Residential Buildings. Energies, 2021, 14, 1649.	1.6	25
38	Double-Target Based Neural Networks in Predicting Energy Consumption in Residential Buildings. Energies, 2021, 14, 1331.	1.6	30
39	K-Fold and State-of-the-Art Metaheuristic Machine Learning Approaches for Groundwater Potential Modelling. Water Resources Management, 2021, 35, 1837-1869.	1.9	16
40	Performance Evaluation of GIS-Based Novel Ensemble Approaches for Land Subsidence Susceptibility Mapping. Frontiers in Earth Science, 2021, 9, .	0.8	14
41	Predicting the sorption efficiency of heavy metal based on the biochar characteristics, metal sources, and environmental conditions using various novel hybrid machine learning models. Chemosphere, 2021, 276, 130204.	4.2	49
42	Modeling groundwater potential using novel GIS-based machine-learning ensemble techniques. Journal of Hydrology: Regional Studies, 2021, 36, 100848.	1.0	39
43	Predicting the Degree of Dissolved Oxygen Using Three Types of Multi-Layer Perceptron-Based Artificial Neural Networks. Sustainability, 2021, 13, 9898.	1.6	30
44	Landslide susceptibility mapping using artificial neural network tuned by metaheuristic algorithms. Environmental Earth Sciences, 2021, 80, 1.	1.3	53
45	Optimizing an ANN model with genetic algorithm (GA) predicting load-settlement behaviours of eco-friendly raft-pile foundation (ERP) system. Engineering With Computers, 2020, 36, 421-433.	3.5	62
46	Optimization of ANFIS with GA and PSO estimating Î± ratio in driven piles. Engineering With Computers, 2020, 36, 227-238.	3.5	100
47	A Novel Artificial Intelligence Approach to Predict Blast-Induced Ground Vibration in Open-Pit Mines Based on the Firefly Algorithm and Artificial Neural Network. Natural Resources Research, 2020, 29, 723-737.	2.2	89
48	The performance of six neural-evolutionary classification techniques combined with multi-layer perception in two-layered cohesive slope stability analysis and failure recognition. Engineering With Computers, 2020, 36, 1705-1714.	3.5	36
49	Feasibility of a novel predictive technique based on artificial neural network optimized with particle swarm optimization estimating pullout bearing capacity of helical piles. Engineering With Computers, 2020, 36, 1315-1324.	3.5	35
50	Optimizing ANN models with PSO for predicting short building seismic response. Engineering With Computers, 2020, 36, 823-837.	3.5	107
51	Proposing a novel predictive technique using M5Rules-PSO model estimating cooling load in energy-efficient building system. Engineering With Computers, 2020, 36, 857-866.	3.5	30
52	Novel Soft Computing Model for Predicting Blast-Induced Ground Vibration in Open-Pit Mines Based on Particle Swarm Optimization and XGBoost. Natural Resources Research, 2020, 29, 711-721.	2.2	116
53	A systematic review and meta-analysis of artificial neural network application in geotechnical engineering: theory and applications. Neural Computing and Applications, 2020, 32, 495-518.	3.2	106
54	Prediction of ultimate bearing capacity through various novel evolutionary and neural network models. Engineering With Computers, 2020, 36, 671-687.	3.5	65

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55	Application of PSOâ€“ANN modelling for predicting the exergetic performance of a building integrated photovoltaic/thermal system. Engineering With Computers, 2020, 36, 633-646.	3.5	29
56	Developing a predictive method based on optimized M5Rulesâ€“GA predicting heating load of an energy-efficient building system. Engineering With Computers, 2020, 36, 931-940.	3.5	25
57	Investigating the Effect of a New Industrial Waste on Strengthening the Soft Clayey Soil. Geotechnical and Geological Engineering, 2020, 38, 1165-1183.	0.8	2
58	Evaluation and comparison of the advanced metaheuristic and conventional machine learning methods for the prediction of landslide occurrence. Engineering With Computers, 2020, 36, 1801-1811.	3.5	36
59	Critical Zone Assessments of an Alluvial Aquifer System Using the Multi-influencing Factor (MIF) and Analytical Hierarchy Process (AHP) Models in Western Iran. Natural Resources Research, 2020, 29, 1163-1191.	2.2	28
60	Computational Intelligence Model for Estimating Intensity of Blast-Induced Ground Vibration in a Mine Based on Imperialist Competitive and Extreme Gradient Boosting Algorithms. Natural Resources Research, 2020, 29, 751-769.	2.2	72
61	Feature validity during machine learning paradigms for predicting biodiesel purity. Fuel, 2020, 262, 116498.	3.4	36
62	Novel swarm-based approach for predicting the cooling load of residential buildings based on social behavior of elephant herds. Energy and Buildings, 2020, 206, 109579.	3.1	38
63	Reliability Enhancement of a Power Semiconductor With Optimized Solder Layer Thickness. IEEE Transactions on Power Electronics, 2020, 35, 6397-6404.	5.4	21
64	The feasibility of Levenbergâ€“Marquardt algorithm combined with imperialist competitive computational method predicting drag reduction in crude oil pipelines. Journal of Petroleum Science and Engineering, 2020, 185, 106634.	2.1	43
65	A Novel Application of League Championship Optimization (LCA): Hybridizing Fuzzy Logic for Soil Compression Coefficient Analysis. Applied Sciences (Switzerland), 2020, 10, 67.	1.3	9
66	A spatially explicit deep learning neural network model for the prediction of landslide susceptibility. Catena, 2020, 188, 104451.	2.2	199
67	Herding Behaviors of grasshopper and Harris hawk for hybridizing the neural network in predicting the soil compression coefficient. Measurement: Journal of the International Measurement Confederation, 2020, 152, 107389.	2.5	54
68	A new real-time monitoring technique in calculation of the p-y curve of single thin steel piles considering the influence of driven energy and using strain gauge sensors. Measurement: Journal of the International Measurement Confederation, 2020, 153, 107365.	2.5	8
69	Evaluating and Predicting the Stability of Roadways in Tunnelling and Underground Space Using Artificial Neural Network-Based Particle Swarm Optimization. Tunnelling and Underground Space Technology, 2020, 103, 103517.	3.0	51
70	A proper model to predict energy efficiency, exergy efficiency, and water productivity of a solar still via optimized neural network. Journal of Cleaner Production, 2020, 277, 123232.	4.6	47
71	Soft computing method for predicting pressure drop reduction in crude oil pipelines based on machine learning methods. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	0.8	8
72	Evaluation of tree-base data mining algorithms in land used/land cover mapping in a semi-arid environment through Landsat 8 OLI image; Shiraz, Iran. Geomatics, Natural Hazards and Risk, 2020, 11, 724-741.	2.0	20

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73	New explicit formulation for ultimate bearing capacity of shallow foundations on granular soil using M5â€™ model tree. Measurement: Journal of the International Measurement Confederation, 2020, 163, 108032.	2.5	21
74	Sustainable Soil Bearing Capacity Improvement Using Natural Limited Life Geotextile Reinforcementâ€”A Review. Minerals (Basel, Switzerland), 2020, 10, 479.	0.8	12
75	Machine learning predictive models for optimal design of buildingâ€integrated photovoltaicâ€thermal collectors. International Journal of Energy Research, 2020, 44, 5675-5695.	2.2	24
76	Optimizing an Adaptive Neuro-Fuzzy Inference System for Spatial Prediction of Landslide Susceptibility Using Four State-of-the-art Metaheuristic Techniques. Sensors, 2020, 20, 1723.	2.1	69
77	Computational modification of neural systems using a novel stochastic search scheme, namely evaporation rate-based water cycle algorithm: an application in geotechnical issues. Engineering With Computers, 2020, 37, 3347.	3.5	13
78	Applying the ultrasonic vibration during TIG welding as a promising approach for the development of nanoparticle dispersion strengthened aluminum weldments. Journal of Materials Processing Technology, 2020, 282, 116672.	3.1	14
79	Using neural network optimized by imperialist competition method and genetic algorithm to predict water productivity of a nanofluid-based solar still equipped with thermoelectric modules. Powder Technology, 2020, 366, 571-586.	2.1	70
80	Optimal modification of heating, ventilation, and air conditioning system performances in residential buildings using the integration of metaheuristic optimization and neural computing. Energy and Buildings, 2020, 214, 109866.	3.1	33
81	Spatial assessment of landslide risk using two novel integrations of neuro-fuzzy system and metaheuristic approaches; Ardabil Province, Iran. Geomatics, Natural Hazards and Risk, 2020, 11, 230-258.	2.0	12
82	Shuffled Frog Leaping Algorithm and Wind-Driven Optimization Technique Modified with Multilayer Perceptron. Applied Sciences (Switzerland), 2020, 10, 689.	1.3	10
83	Weld orientation effects on the formability of tailor welded thin steel sheets. Thin-Walled Structures, 2020, 149, 106669.	2.7	80
84	Employing V-shaped ribs and nanofluid as two passive methods to improve second law characteristics of flow within a square channel: A two-phase approach. International Journal of Heat and Mass Transfer, 2020, 151, 119419.	2.5	33
85	Thermal Buckling Responses of a Graphene Reinforced Composite Micropanel Structure. International Journal of Applied Mechanics, 2020, 12, 2050010.	1.3	61
86	Hybridizing four wise neural-metaheuristic paradigms in predicting soil shear strength. Measurement: Journal of the International Measurement Confederation, 2020, 156, 107576.	2.5	31
87	Fuzzy-metaheuristic ensembles for spatial assessment of forest fire susceptibility. Journal of Environmental Management, 2020, 260, 109867.	3.8	103
88	Irreversibility characteristics of a modified microchannel heat sink operated with nanofluid considering different shapes of nanoparticles. International Journal of Heat and Mass Transfer, 2020, 151, 119359.	2.5	55
89	Employing artificial bee colony and particle swarm techniques for optimizing a neural network in prediction of heating and cooling loads of residential buildings. Journal of Cleaner Production, 2020, 254, 120082.	4.6	147
90	A competitive chain-based Harris Hawks Optimizer for global optimization and multi-level image thresholding problems. Applied Soft Computing Journal, 2020, 95, 106347.	4.1	73

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91	Nature-inspired hybrid techniques of IWO, DA, ES, GA, and ICA, validated through a k-fold validation process predicting monthly natural gas consumption. Energy and Buildings, 2020, 217, 110023.	3.1	82
92	Entropy generation and exergy destruction for flow of a biologically functionalized graphene nanoplatelets nanofluid within tube enhanced with a novel rotary coaxial cross double-twisted tape. International Communications in Heat and Mass Transfer, 2020, 113, 104546.	2.9	23
93	A comparative study of empirical and ensemble machine learning algorithms in predicting air over-pressure in open-pit coal mine. Acta Geophysica, 2020, 68, 325-336.	1.0	28
94	Second law assessment of nanofluid flow in a channel fitted with conical ribs for utilization in solar thermal applications: Effect of nanoparticle shape. International Journal of Heat and Mass Transfer, 2020, 151, 119387.	2.5	32
95	Artificial intelligence design charts for predicting friction capacity of driven pile in clay. Neural Computing and Applications, 2019, 31, 7429-7445.	3.2	64
96	Determination of Young Elasticity Modulus in Bored Piles Through the Global Strain Extensometer Sensors and Real-Time Monitoring Data. Applied Sciences (Switzerland), 2019, 9, 3060.	1.3	5
97	CFD analysis of employing a novel ecofriendly nanofluid in a miniature pin fin heat sink for cooling of electronic components: Effect of different configurations. Advanced Powder Technology, 2019, 30, 2503-2516.	2.0	69
98	Ultrasound-accelerated synthesis of uniform DyVO4 nanoparticles as high activity visible-light-driven photocatalyst. Ultrasonics Sonochemistry, 2019, 59, 104719.	3.8	27
99	Novel hybrids of adaptive neuro-fuzzy inference system (ANFIS) with several metaheuristic algorithms for spatial susceptibility assessment of seismic-induced landslide. Geomatics, Natural Hazards and Risk, 2019, 10, 1879-1911.	2.0	75
100	Harris Hawks Optimization: A Novel Swarm Intelligence Technique for Spatial Assessment of Landslide Susceptibility. Sensors, 2019, 19, 3590.	2.1	111
101	MgCr2O4 and MgCr2O4/Ag nanostructures: Facile size-controlled synthesis and their photocatalytic performance for destruction of organic contaminantsâ€. Composites Part B: Engineering, 2019, 175, 107077.	5.9	25
102	A particle-based optimization of artificial neural network for earthquake-induced landslide assessment in Ludian county, China. Geomatics, Natural Hazards and Risk, 2019, 10, 1750-1771.	2.0	60
103	Estimating PM10 Concentration from Drilling Operations in Open-Pit Mines Using an Assembly of SVR and PSO. Applied Sciences (Switzerland), 2019, 9, 2806.	1.3	35
104	Sonochemical synthesis of Pr6MoO12 nanostructures as an effective photocatalyst for waste-water treatment. Ultrasonics Sonochemistry, 2019, 58, 104687.	3.8	21
105	Predicting blast-induced peak particle velocity using BGAMs, ANN and SVM: a case study at the Nui Beo open-pit coal mine in Vietnam. Environmental Earth Sciences, 2019, 78, 1.	1.3	34
106	Applications of rice husk ash as green and sustainable biomass. Journal of Cleaner Production, 2019, 237, 117851.	4.6	141
107	Potential of hybrid evolutionary approaches for assessment of geo-hazard landslide susceptibility mapping. Geomatics, Natural Hazards and Risk, 2019, 10, 1667-1693.	2.0	89
108	Estimating the Heating Load of Buildings for Smart City Planning Using a Novel Artificial Intelligence Technique PSO-XGBoost. Applied Sciences (Switzerland), 2019, 9, 2714.	1.3	87

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109	The Feasibility of Three Prediction Techniques of the Artificial Neural Network, Adaptive Neuro-Fuzzy Inference System, and Hybrid Particle Swarm Optimization for Assessing the Safety Factor of Cohesive Slopes. ISPRS International Journal of Geo-Information, 2019, 8, 391.	1.4	73
110	Development of Two Novel Hybrid Prediction Models Estimating Ultimate Bearing Capacity of the Shallow Circular Footing. Applied Sciences (Switzerland), 2019, 9, 4594.	1.3	8
111	Novel Nature-Inspired Hybrids of Neural Computing for Estimating Soil Shear Strength. Applied Sciences (Switzerland), 2019, 9, 4643.	1.3	26
112	Slope Stability Monitoring Using Novel Remote Sensing Based Fuzzy Logic. Sensors, 2019, 19, 4636.	2.1	21
113	Spatial Landslide Susceptibility Assessment Based on Novel Neural-Metaheuristic Geographic Information System Based Ensembles. Sensors, 2019, 19, 4698.	2.1	29
114	Thermal performance of a new nanofluid containing biologically functionalized graphene nanoplatelets inside tubes equipped with rotating coaxial double-twisted tapes. International Communications in Heat and Mass Transfer, 2019, 108, 104305.	2.9	12
115	Machine-Learning-Based Classification Approaches toward Recognizing Slope Stability Failure. Applied Sciences (Switzerland), 2019, 9, 4638.	1.3	24
116	Multidisciplinary methods (co-precipitation, ultrasonic, microwave, reflux and hydrothermal) for synthesis and characterization of CaMn3O6 nanostructures and its photocatalytic water splitting performance. International Journal of Hydrogen Energy, 2019, 44, 26373-26386.	3.8	26
117	Predicting Heating Load in Energy-Efficient Buildings Through Machine Learning Techniques. Applied Sciences (Switzerland), 2019, 9, 4338.	1.3	27
118	Predicting Heating and Cooling Loads in Energy-Efficient Buildings Using Two Hybrid Intelligent Models. Applied Sciences (Switzerland), 2019, 9, 3543.	1.3	41
119	Application of Three Metaheuristic Techniques in Simulation of Concrete Slump. Applied Sciences (Switzerland), 2019, 9, 4340.	1.3	19
120	Hydrothermal synthesis of DyMn2O5/Ba3Mn2O8 nanocomposite as a potential hydrogen storage material. International Journal of Hydrogen Energy, 2019, 44, 24005-24016.	3.8	301
121	Fabrication of aluminum TIG welding filler rods reinforced by ZrO2/reduced graphene oxide hybrid nanoparticles via accumulative roll bonding. Diamond and Related Materials, 2019, 99, 107518.	1.8	19
122	Prediction of Pullout Behavior of Belled Piles through Various Machine Learning Modelling Techniques. Sensors, 2019, 19, 3678.	2.1	16
123	A two-phase simulation for analyzing thermohydraulic performance of Cuâ€“water nanofluid within a square channel enhanced with 90Â° V-shaped ribs. International Journal of Heat and Mass Transfer, 2019, 145, 118612.	2.5	31
124	Comprehensive preference learning and feature validity for designing energy-efficient residential buildings using machine learning paradigms. Applied Soft Computing Journal, 2019, 84, 105748.	4.1	73
125	S,N co-doped graphene quantum dots-induced ascorbic acid fluorescent sensor: Design, characterization and performance. Food Chemistry, 2019, 295, 530-536.	4.2	69
126	Microstructural characteristics of organic soils treated with biomass silica stabilizer. Environmental Earth Sciences, 2019, 78, 1.	1.3	21

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127	Analyzing performance of a ribbed triple-tube heat exchanger operated with graphene nanoplatelets nanofluid based on entropy generation and exergy destruction. International Communications in Heat and Mass Transfer, 2019, 107, 55-67.	2.9	50
128	Agricultural wastes preparation, management, and applications in civil engineering: a review. Journal of Material Cycles and Waste Management, 2019, 21, 1039-1051.	1.6	58
129	A comparison of advanced computational models and experimental techniques in predicting blast-induced ground vibration in open-pit coal mine. Acta Geophysica, 2019, 67, 1025-1037.	1.0	45
130	Artificial intelligence in the field of nanofluids: A review on applications and potential future directions. Powder Technology, 2019, 353, 276-301.	2.1	80
131	The feasibility of genetic programming and ANFIS in prediction energetic performance of a building integrated photovoltaic thermal (BIPVT) system. Solar Energy, 2019, 183, 293-305.	2.9	44
132	Buckling and Frequency Responses of a Graphene Nanoplatelet Reinforced Composite Microdisk. International Journal of Applied Mechanics, 2019, 11, 1950102.	1.3	78
133	Spotted Hyena Optimizer and Ant Lion Optimization in Predicting the Shear Strength of Soil. Applied Sciences (Switzerland), 2019, 9, 4738.	1.3	26
134	Neural Computing Improvement Using Four Metaheuristic Optimizers in Bearing Capacity Analysis of Footings Settled on Two-Layer Soils. Applied Sciences (Switzerland), 2019, 9, 5264.	1.3	17
135	Toward a State-of-the-Art of Fly-Rock Prediction Technology in Open-Pit Mines Using EANNs Model. Applied Sciences (Switzerland), 2019, 9, 4554.	1.3	29
136	Two novel neural-evolutionary predictive techniques of dragonfly algorithm (DA) and biogeography-based optimization (BBO) for landslide susceptibility analysis. Geomatics, Natural Hazards and Risk, 2019, 10, 2429-2453.	2.0	16
137	Experimental Investigation of Several Different Types of Soil Erosion Protection Systems. Advances in Science, Technology and Innovation, 2019, , 481-483.	0.2	0
138	Prediction of energetic performance of a building integrated photovoltaic/thermal system thorough artificial neural network and hybrid particle swarm optimization models. Energy Conversion and Management, 2019, 183, 137-148.	4.4	105
139	Modification of landslide susceptibility mapping using optimized PSO-ANN technique. Engineering With Computers, 2019, 35, 967-984.	3.5	236
140	Soft Expansive Soil Improvement by Eco-Friendly Waste and Quick Lime. Arabian Journal for Science and Engineering, 2019, 44, 8337-8346.	1.7	35
141	An artificial neural network approach for under-reamed piles subjected to uplift forces in dry sand. Neural Computing and Applications, 2019, 31, 327-336.	3.2	106
142	Investigation of Aqueous and Light Non-aqueous Phase Liquid in Fractured Double-Porosity Soil. Advances in Science, Technology and Innovation, 2019, , 207-210.	0.2	0
143	Modelling and optimization of ultimate bearing capacity of strip footing near a slope by soft computing methods. Applied Soft Computing Journal, 2018, 66, 208-219.	4.1	134
144	Lateral deflection of piles in a multilayer soil medium. Case study: The Terengganu seaside platform. Measurement: Journal of the International Measurement Confederation, 2018, 123, 185-192.	2.5	10

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145	A Critical Review on Filter Design Criteria for Dispersive Base Soils. Geotechnical and Geological Engineering, 2018, 36, 1933-1951.	0.8	19
146	Applicability of a CPT-Based Neural Network Solution in Predicting Load-Settlement Responses of Bored Pile. International Journal of Geomechanics, 2018, 18, .	1.3	103
147	Application and Design of Transition Piled Embankment with Surcharged Prefabricated Vertical Drain Intersection over Soft Ground. Arabian Journal for Science and Engineering, 2018, 43, 1573-1582.	1.7	7
148	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
149	Malaysian Experiences of Peat Stabilization, State of the Art. Geotechnical and Geological Engineering, 2018, 36, 1-11.	0.8	37
150	Physical and Mechanical Properties of Lightweight Expanded Clay Aggregate (LECA). MATEC Web of Conferences, 2018, 250, 01016.	0.1	14
151	Performance Analysis of a Piled Raft Foundation System of Varying Pile Lengths in Controlling Angular Distortion. Soil Mechanics and Foundation Engineering, 2018, 55, 265-269.	0.2	12
152	Physico-Chemical and Shrinkage Properties of Highly Organic Soil Treated with Non-traditional Additives. Geotechnical and Geological Engineering, 2017, 35, 1409-1419.	0.8	11
153	Uplift resistance of belled and multi-belled piles in loose sand. Measurement: Journal of the International Measurement Confederation, 2017, 109, 346-353.	2.5	52
154	Comparison Analysis of Bearing Capacity Approaches for the Strip Footing on Layered Soils. Arabian Journal for Science and Engineering, 2017, 42, 3711-3722.	1.7	20
155	Evaluation of Maintained Load Test (MLT) and Pile Driving Analyzer (PDA) in Measuring Bearing Capacity of Driven Reinforced Concrete Piles. Soil Mechanics and Foundation Engineering, 2017, 54, 150-154.	0.2	21
156	Ground improvement using SPVD and RPE. Arabian Journal of Geosciences, 2017, 10, 1.	0.6	6
157	Developing hybrid artificial neural network model for predicting uplift resistance of screw piles. Arabian Journal of Geosciences, 2017, 10, 1.	0.6	60
158	FIELD PERFORMANCE OF TRANSITION RIGID PILED EMBANKMENT WITH SURCHARGED VERTICAL DRAIN OVER SOFT GROUND. International Journal of GEOMATE, 2017, 13, .	0.1	1
159	Development of new attenuation equation for subduction mechanisms in Malaysia water. Arabian Journal of Geosciences, 2016, 9, 1.	0.6	4
160	The influence of rainfall intensity on soil loss mass from cellular confined slopes. Measurement: Journal of the International Measurement Confederation, 2016, 81, 13-25.	2.5	19
161	A review of combinations of electrokinetic applications. Environmental Geochemistry and Health, 2016, 38, 1217-1227.	1.8	47
162	Appraisal of reliable skin friction variation in a bored pile. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2015, 168, 75-86.	0.9	20

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