A Monte Carlo simulation approach for effective assessment of intelligent system of neural network

Citation Report

#	ARTICLE	IF	CITATIONS
1	Improving Performance of Retaining Walls Under Dynamic Conditions Developing an Optimized ANN Based on Ant Colony Optimization Technique. IEEE Access, 2019, 7, 94692-94700.	2.6	66
2	A new approach for estimation of rock brittleness based on non-destructive tests. Nondestructive Testing and Evaluation, 2019, 34, 354-375.	1.1	53
3	Estimating the friction angle of black shale core specimens with hybrid-ANN approaches. Measurement: Journal of the International Measurement Confederation, 2019, 145, 744-755.	2.5	40
4	Random Forests and Cubist Algorithms for Predicting Shear Strengths of Rockfill Materials. Applied Sciences (Switzerland), 2019, 9, 1621.	1.3	152
5	Assessing Dynamic Conditions of the Retaining Wall: Developing Two Hybrid Intelligent Models. Applied Sciences (Switzerland), 2019, 9, 1042.	1.3	116
6	Invasive Weed Optimization Technique-Based ANN to the Prediction of Rock Tensile Strength. Applied Sciences (Switzerland), 2019, 9, 5372.	1.3	88
7	The effects of ABC, ICA, and PSO optimization techniques on prediction of ripping production. Engineering With Computers, 2020, 36, 1355-1370.	3.5	24
8	Developing a hybrid adoptive neuro-fuzzy inference system in predicting safety of factors of slopes subjected to surface eco-protection techniques. Engineering With Computers, 2020, 36, 1347-1354.	3.5	19
9	Neuro-genetic, neuro-imperialism and genetic programing models in predicting ultimate bearing capacity of pile. Engineering With Computers, 2020, 36, 1101-1115.	3.5	53
10	Developing new tree expression programing and artificial bee colony technique for prediction and optimization of landslide movement. Engineering With Computers, 2020, 36, 1117-1134.	3.5	11
11	Use of Intelligent Methods to Design Effective Pattern Parameters of Mine Blasting to Minimize Flyrock Distance. Natural Resources Research, 2020, 29, 625-639.	2.2	70
12	Intelligent Prediction of Blasting-Induced Ground Vibration Using ANFIS Optimized by GA and PSO. Natural Resources Research, 2020, 29, 739-750.	2.2	72
13	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
14	Evaluation and Optimization of Prediction of Toe that Arises from Mine Blasting Operation Using Various Soft Computing Techniques. Natural Resources Research, 2020, 29, 887-903.	2.2	16
15	Random Forest and Bayesian Network Techniques for Probabilistic Prediction of Flyrock Induced by Blasting in Quarry Sites. Natural Resources Research, 2020, 29, 655-667.	2.2	55
16	Prediction of Blast-Induced Rock Movement During Bench Blasting: Use of Gray Wolf Optimizer and Support Vector Regression. Natural Resources Research, 2020, 29, 843-865.	2.2	62
17	A new multikernel relevance vector machine based on the HPSOGWO algorithm for predicting and controlling blast-induced ground vibration. Engineering With Computers, 2022, 38, 1905-1920.	3.5	30
18	A combination of fuzzy Delphi method and hybrid ANN-based systems to forecast ground vibration resulting from blasting. Scientific Reports, 2020, 10, 19397.	1.6	44

#	ARTICLE	IF	CITATIONS
19	Seepage Analysis in Short Embankments Using Developing a Metaheuristic Method Based on Governing Equations. Applied Sciences (Switzerland), 2020, 10, 1761.	1.3	28
20	A SVR-GWO technique to minimize flyrock distance resulting from blasting. Bulletin of Engineering Geology and the Environment, 2020, 79, 4369-4385.	1.6	63
21	Prediction of rockburst risk in underground projects developing a neuro-bee intelligent system. Bulletin of Engineering Geology and the Environment, 2020, 79, 4265-4279.	1.6	70
22	Effective Assessment of Blast-Induced Ground Vibration Using an Optimized Random Forest Model Based on a Harris Hawks Optimization Algorithm. Applied Sciences (Switzerland), 2020, 10, 1403.	1.3	62
23	An ANN-adaptive dynamical harmony search algorithm to approximate the flyrock resulting from blasting. Engineering With Computers, 2022, 38, 1257-1269.	3.5	46
24	Evaluating Slope Deformation of Earth Dams Due to Earthquake Shaking Using MARS and GMDH Techniques. Applied Sciences (Switzerland), 2020, 10, 1486.	1.3	36
25	A novel approach for forecasting of ground vibrations resulting from blasting: modified particle swarm optimization coupled extreme learning machine. Engineering With Computers, 2021, 37, 3221-3235.	3.5	58
26	Investigating the effective parameters on the risk levels of rockburst phenomena by developing a hybrid heuristic algorithm. Engineering With Computers, 2021, 37, 1679.	3.5	74
27	A Novel Intelligent ELM-BBO Technique for Predicting Distance of Mine Blasting-Induced Flyrock. Natural Resources Research, 2020, 29, 4103-4120.	2.2	56
28	Development of a new methodology for estimating the amount of PPV in surface mines based on prediction and probabilistic models (GEP-MC). International Journal of Mining, Reclamation and Environment, 2021, 35, 48-68.	1.2	59
29	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. Natural Resources Research, 2021, 30, 191-207.	2.2	69
30	Stability analysis of underground mine hard rock pillars via combination of finite difference methods, neural networks, and Monte Carlo simulation techniques. Underground Space (China), 2021, 6, 379-395.	3.4	61
31	Developing GEP tree-based, neuro-swarm, and whale optimization models for evaluation of bearing capacity of concrete-filled steel tube columns. Engineering With Computers, 2021, 37, 1-19.	3.5	149
32	A Novel Combination of Tree-Based Modeling and Monte Carlo Simulation for Assessing Risk Levels of Flyrock Induced by Mine Blasting. Natural Resources Research, 2021, 30, 225-243.	2.2	38
33	Prediction of Blast-Induced Ground Vibration in a Mine Using Relevance Vector Regression Optimized by Metaheuristic Algorithms. Natural Resources Research, 2021, 30, 1849-1863.	2.2	35
34	Optimum model for bearing capacity of concrete-steel columns with AI technology via incorporating the algorithms of IWO and ABC. Engineering With Computers, 2021, 37, 797-807.	3.5	43
35	A new technique to predict fly-rock in bench blasting based on an ensemble of support vector regression and GLMNET. Engineering With Computers, 2021, 37, 421-435.	3.5	51
36	Feasibility of the indirect determination of blast-induced rock movement based on three new hybrid intelligent models. Engineering With Computers, 2021, 37, 991-1006.	3.5	38

#	ARTICLE	IF	CITATIONS
37	Deep neural network and whale optimization algorithm to assess flyrock induced by blasting. Engineering With Computers, 2021, 37, 173-186.	3.5	107
38	Applying a meta-heuristic algorithm to predict and optimize compressive strength of concrete samples. Engineering With Computers, 2021, 37, 1133-1145.	3.5	51
39	An integrated approach of ANFIS-grasshopper optimization algorithm to approximate flyrock distance in mine blasting. Engineering With Computers, 2022, 38, 2619-2631.	3.5	23
40	Prediction and minimization of blast-induced flyrock using gene expression programming and cuckoo optimization algorithm. Environmental Earth Sciences, 2021, 80, 1.	1.3	17
41	A Combination of Fuzzy Delphi Method and ANN-based Models to Investigate Factors of Flyrock Induced by Mine Blasting. Natural Resources Research, 2021, 30, 1905-1924.	2.2	25
42	Computational Aspects of Business Management with Special Reference to Monte Carlo Simulation. Modeling and Optimization in Science and Technologies, 2021, , 629-645.	0.7	0
43	Artemis: An Automatic Test Suite Generator for Large Scale OLAP Database. Lecture Notes in Computer Science, 2021, , 74-89.	1.0	0
44	Reduction of computational error by optimizing SVR kernel coefficients to simulate concrete compressive strength through the use of a human learning optimization algorithm. Engineering With Computers, 2022, 38, 3151-3168.	3.5	75
45	Data-oriented strengthening intelligent theoretical important practical issues of online ideological education platforms. , 2021, , .		0
46	Recent research progress of computer science and technology and its application in intelligent art analysis systems. , 2021, , .		0
47	Knowledge-driven stochastic reliable modeling for steel bridge deck condition rating prediction. Journal of Structural Integrity and Maintenance, 2021, 6, 91-98.	0.7	2
48	Research on Application of Computer Artificial Intelligence in Charging Pile. , 2021, , .		0
49	Stochastic assessment of hard rock pillar stability based on the geological strength index system. Geomechanics and Geophysics for Geo-Energy and Geo-Resources, 2021, 7, 1.	1.3	10
50	Optimization of prediction of flyrock using linear multivariate regression (LMR) and gene expression programming (GEP)â€"Topal Novin mine, Iran. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	12
51	A new development of ANFIS-Based Henry gas solubility optimization technique for prediction of soil shear strength. Transportation Geotechnics, 2021, 29, 100579.	2.0	22
52	An improved stochastic life-cycle cost analysis model for examining the impact of environmental policy instruments on construction equipment replacement. Environmental Impact Assessment Review, 2021, 90, 106627.	4.4	8
53	Artificial Neural Network and Firefly Algorithm for Estimation and Minimization of Ground Vibration Induced by Blasting in a Mine. Natural Resources Research, 2020, 29, 4121-4132.	2.2	32
54	Practical Risk Assessment of Ground Vibrations Resulting from Blasting, Using Gene Expression Programming and Monte Carlo Simulation Techniques. Applied Sciences (Switzerland), 2020, 10, 472.	1.3	50

#	Article	IF	Citations
55	A Combination of Feature Selection and Random Forest Techniques to Solve a Problem Related to Blast-Induced Ground Vibration. Applied Sciences (Switzerland), 2020, 10, 869.	1.3	67
56	An Overview of Flyrock and its Prediction in Surface Mine Blasting using Soft Computing Techniques. Recep Tayyip Erdoǧan Üniversitesi Fen Ve Mühendislik Bilimleri Dergisi, 0, , .	0.2	0
57	Predicting the Contribution of Mining Sector to the Gross Domestic Product (GDP) Index Utilizing Heuristic Approaches. Applied Artificial Intelligence, 2021, 35, 1990-2012.	2.0	9
58	Development of a Hybrid Machine Learning Model for Asphalt Pavement Temperature Prediction. IEEE Access, 2021, 9, 158041-158056.	2.6	14
59	Assessing uncertainty propagation in hybrid models for daily streamflow simulation based on arbitrary polynomial chaos expansion. Advances in Water Resources, 2022, 160, 104110.	1.7	8
60	The Effect of Central Flaw on the Unconfined Strength of Rock-like Specimens: An Intelligent Approach. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 0, , 1.	1.0	4
61	The prediction of dynamic energy behavior of a Brazilian disk containing nonpersistent joints subjected to drop hammer test utilizing heuristic approaches. Neural Computing and Applications, 2022, 34, 9777-9792.	3.2	6
63	Blast-induced flyrock. , 2022, , 209-247.		2
65	Ensemble machine learning models for prediction of flyrock due to quarry blasting. International Journal of Environmental Science and Technology, 2022, 19, 8661-8676.	1.8	15
66	Performance balance oriented product structure optimization involving heterogeneous uncertainties in intelligent manufacturing with an industrial network. Information Sciences, 2022, 598, 126-156.	4.0	6
67	Asymmetric Laplace Distribution Models for Financial Data: VaR and CVaR. Symmetry, 2022, 14, 807.	1.1	3
68	A novel hybrid of ANFIS-based models using optimisation approaches to predict mine blast-induced flyrock. International Journal of Environmental Science and Technology, 2023, 20, 3673-3686.	1.8	5
69	Development of a New Stacking Model to Evaluate the Strength Parameters of Concrete Samples in Laboratory. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2022, 46, 4355-4370.	1.0	21
70	Application of Monte Carlo Simulation to Study the Probability of Confidence Level under the PFMEA's Action Priority. Mathematics, 2022, 10, 2596.	1.1	2
71	The Complexity of Virtual Reality Technology in the Simulation and Modeling of Civil Mathematical Models. Applied Mathematics and Nonlinear Sciences, 2023, 8, 661-670.	0.9	0
72	Prediction research for blasting peak particle velocity based on random GA-BP network group. Arabian Journal of Geosciences, 2022, 15, .	0.6	1
73	A Kernel Extreme Learning Machine-Grey Wolf Optimizer (KELM-GWO) Model to Predict Uniaxial Compressive Strength of Rock. Applied Sciences (Switzerland), 2022, 12, 8468.	1.3	19
74	Monte Carlo-Based Analysis and Experimental Validation of the Interception-Damage Probability of the New Active Interception Net. Mathematical Problems in Engineering, 2022, 2022, 1-12.	0.6	0

#	ARTICLE	IF	CITATIONS
75	Success history based adaptive multi-objective differential evolution variants with an interval scheme for solving simultaneous topology, shape and sizing truss reliability optimisation. Knowledge-Based Systems, 2022, 253, 109533.	4.0	8
76	Application of Six Metaheuristic Optimization Algorithms and Random Forest in the uniaxial compressive strength of rock prediction. Applied Soft Computing Journal, 2022, 131, 109729.	4.1	24
77	The Use of Petri Nets to Model the Maintainability of Buildings. Springer Series in Reliability Engineering, 2023, , 23-62.	0.3	0
78	Selection of virtual team members for smart port development projects through the application of the direct and indirect uncertain TOPSIS method. Expert Systems With Applications, 2023, 217, 119555.	4.4	11
79	Mapping the strength of agro-ecological lightweight concrete containing oil palm by-product using artificial intelligence techniques. Structures, 2023, 48, 1209-1229.	1.7	15
80	A new synergetic model of neighbourhood component analysis and artificial intelligence method for blast-induced noise prediction. Modeling Earth Systems and Environment, 2023, 9, 3483-3502.	1.9	1
81	Mathematical Modeling of Time Response Analysis of Residual Current Devices with Electronic Switches. Sakarya University Journal of Science, 0, , .	0.3	0
82	Estimating Flyrock Distance Induced Due to Mine Blasting by Extreme Learning Machine Coupled with an Equilibrium Optimizer. Sustainability, 2023, 15, 3265.	1.6	6
92	Applying a novel hybrid ALO-BPNN model to predict overbreak and underbreak area in underground space. , 2024, , 325-342.		0