Amir Gandomi

List of Publications by Year
in descending order

408 papers	36,170 citations	5574 82 h-index	3915 177 g-index
438 all docs	438 docs citations	438 times ranked	15728 citing authors

#	Article	IF	Citations
1	Sustainable pavement maintenance and rehabilitation planning using the marine predator optimization algorithm. Structure and Infrastructure Engineering, 2024, 20, 340-352.	3.7	11
2	Detecting Product Review Spammers Using Principles of Big Data. IEEE Transactions on Engineering Management, 2023, 70, 2516-2527.	3.5	3
3	A review on COVID-19 forecasting models. Neural Computing and Applications, 2023, 35, 23671-23681.	5.6	137
4	Mutual Informative MapReduce and Minimum Quadrangle Classification for Brain Tumor Big Data. IEEE Transactions on Engineering Management, 2023, 70, 2644-2655.	3.5	3
5	Human Inertial Thinking Strategy: A Novel Fuzzy Reasoning Mechanism for IoT-Assisted Visual Monitoring. IEEE Internet of Things Journal, 2023, 10, 3735-3748.	8.7	40
6	A novel evolutionary learning to prepare sustainable concrete mixtures with supplementary cementitious materials. Environment, Development and Sustainability, 2023, 25, 5831-5865.	5.0	11
7	Robust Optimization Over Time by Estimating Robustness of Promising Regions. IEEE Transactions on Evolutionary Computation, 2023, 27, 657-670.	10.0	3
8	Fire Hawk Optimizer: a novel metaheuristic algorithm. Artificial Intelligence Review, 2023, 56, 287-363.	15.7	85
9	A New Pythagorean Fuzzy Based Decision Framework for Assessing Healthcare Waste Treatment. IEEE Transactions on Engineering Management, 2022, 69, 2915-2929.	3.5	36
10	A progressive hedging approach for large-scale pavement maintenance scheduling under uncertainty. International Journal of Pavement Engineering, 2022, 23, 2460-2472.	4.4	13
11	Fuzzy Deep Neural Learning Based on Goodman and Kruskal's Gamma for Search Engine Optimization. IEEE Transactions on Big Data, 2022, 8, 268-277.	6.1	2
12	Pavement maintenance and rehabilitation planning optimisation under budget and pavement deterioration uncertainty. International Journal of Pavement Engineering, 2022, 23, 414-424.	4.4	20
13	A Cost-Sensitive Deep Learning-Based Approach for Network Traffic Classification. IEEE Transactions on Network and Service Management, 2022, 19, 661-670.	4.9	24
14	Population-based optimization in structural engineering: a review. Artificial Intelligence Review, 2022, 55, 345-452.	15.7	26
15	An explainable prediction framework for engineering problems: case studies in reinforced concrete members modeling. Engineering Computations, 2022, 39, 609-626.	1.4	8
16	Evolutionary and swarm intelligence algorithms on pavement maintenance and rehabilitation planning. International Journal of Pavement Engineering, 2022, 23, 4649-4663.	4.4	18
17	Gaussian relevance vector MapReduce-based annealed Glowworm optimization for big medical data scheduling. Journal of the Operational Research Society, 2022, 73, 2204-2215.	3.4	2
18	A Novel Breast Cancer Diagnosis Scheme With Intelligent Feature and Parameter Selections. Computer Methods and Programs in Biomedicine, 2022, 214, 106432.	4.7	8

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19	Neutrality aggregation operators based on complex q‑rung orthopair fuzzy sets and their applications in multiattribute decision‑making problems. International Journal of Intelligent Systems, 2022, 37, 1010-1051.	5.7	21
20	Parallel and distributed paradigms for community detection in social networks: A methodological review. Expert Systems With Applications, 2022, 187, 115956.	7.6	18
21	Quaternion analysis of beam multi‑type vibration data for damage detection. Structural Control and Health Monitoring, 2022, 29, e2867.	4.0	1
22	A quantum mutation-based backtracking search algorithm. Artificial Intelligence Review, 2022, 55, 3019-3073.	15.7	20
23	Evolutionary Machine Learning: A Survey. ACM Computing Surveys, 2022, 54, 1-35.	23.0	70
24	Using genetic programming on GPS trajectories for travel mode detection. IET Intelligent Transport Systems, 2022, 16, 99-113.	3.0	8
25	Reptile Search Algorithm (RSA): A nature-inspired meta-heuristic optimizer. Expert Systems With Applications, 2022, 191, 116158.	7.6	693
26	Feature-extraction and analysis based on spatial distribution of amino acids for SARS-CoV-2 Protein sequences. Computers in Biology and Medicine, 2022, 141, 105024.	7.0	17
27	A robust drug recall supply chain management system using hyperledger blockchain ecosystem. Computers in Biology and Medicine, 2022, 140, 105100.	7.0	43
28	A Multiobjective Evolutionary Framework for Formulation of Nonlinear Structural Systems. IEEE Transactions on Industrial Informatics, 2022, 18, 5795-5803.	11.3	4
29	Deep Q-Learning-Based Neural Network with Privacy Preservation Method for Secure Data Transmission in Internet of Things (IoT) Healthcare Application. Electronics (Switzerland), 2022, 11, 157.	3.1	20
30	A mode shape sensitivity-based method for damage detection of structures with closely-spaced eigenvalues. Measurement: Journal of the International Measurement Confederation, 2022, 190, 110644.	5.0	7
31	Reservoir operation under accidental MTBE pollution: A graph-based conflict resolution framework considering spatial-temporal-quantitative uncertainties. Journal of Hydrology, 2022, 605, 127313.	5.4	8
32	A Comprehensive Survey on the Recent Variants and Applications of Membrane-Inspired Evolutionary Algorithms. Archives of Computational Methods in Engineering, 2022, 29, 3041-3057.	10.2	14
33	DECENT: Deep Learning Enabled Green Computation for Edge Centric 6G Networks. IEEE Transactions on Network and Service Management, 2022, 19, 2163-2177.	4.9	7
34	Scheduling by NSGA-II: Review and Bibliometric Analysis. Processes, 2022, 10, 98.	2.8	34
35	Black hole algorithm: A comprehensive survey. Applied Intelligence, 2022, 52, 11892-11915.	5.3	16
36	Machine Learning Technologies for Big Data Analytics. Electronics (Switzerland), 2022, 11, 421.	3.1	33

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37	Model updating using causal information: a case study in coupled slab. Structural and Multidisciplinary Optimization, 2022, 65, 1.	3.5	1
38	Genetic prediction of ICU hospitalization and mortality in COVID‐19 patients using artificial neural networks. Journal of Cellular and Molecular Medicine, 2022, 26, 1445-1455.	3.6	45
39	Meta-heuristic optimization algorithms for solving real-world mechanical engineering design problems: a comprehensive survey, applications, comparative analysis, and results. Neural Computing and Applications, 2022, 34, 4081-4110.	5.6	51
40	Downstream semi-circular obstacles' influence on floods arising from the failure of dams with different levels of reservoir silting. Physics of Fluids, 2022, 34, 013312.	4.0	5
41	Wind, Solar, and Photovoltaic Renewable Energy Systems with and without Energy Storage Optimization: A Survey of Advanced Machine Learning and Deep Learning Techniques. Energies, 2022, 15, 578.	3.1	61
42	Novel integration of extreme learning machine and improved Harris hawks optimization with particle swarm optimization-based mutation for predicting soil consolidation parameter. Journal of Rock Mechanics and Geotechnical Engineering, 2022, 14, 1588-1608.	8.1	26
43	Damage detection of composite laminate structures using VMD of FRF contaminated by high percentage of noise. Composite Structures, 2022, 286, 115243.	5.8	17
44	INFO: An efficient optimization algorithm based on weighted mean of vectors. Expert Systems With Applications, 2022, 195, 116516.	7.6	356
45	A review on multimodal medical image fusion: Compendious analysis of medical modalities, multimodal databases, fusion techniques and quality metrics. Computers in Biology and Medicine, 2022, 144, 105253.	7.0	103
46	Starling murmuration optimizer: A novel bio-inspired algorithm for global and engineering optimization. Computer Methods in Applied Mechanics and Engineering, 2022, 392, 114616.	6.6	145
47	Early Diagnosis of Alzheimer's Disease Using Cerebral Catheter Angiogram Neuroimaging: A Novel Model Based on Deep Learning Approaches. Big Data and Cognitive Computing, 2022, 6, 2.	4.7	20
48	Surrogate model-driven bio-inspired optimization algorithms for large-scale and high-dimensional problems. , 2022, , 353-382.		0
49	A Stochastic Conflict Resolution Optimization Model for Flood Management in Detention Basins: Application of Fuzzy Graph Model. Water (Switzerland), 2022, 14, 774.	2.7	12
50	Progressive improvement of DRASTICA and SI models for groundwater vulnerability assessment based on evolutionary algorithms. Environmental Science and Pollution Research, 2022, 29, 55845-55865.	5.3	11
51	Radiology Imaging Scans for Early Diagnosis of Kidney Tumors: A Review of Data Analytics-Based Machine Learning and Deep Learning Approaches. Big Data and Cognitive Computing, 2022, 6, 29.	4.7	29
52	A Systematic Review on Osmotic Computing. ACM Transactions on Internet of Things, 2022, 3, 1-30.	4.6	21
53	Machine learning in medical applications: A review of state-of-the-art methods. Computers in Biology and Medicine, 2022, 145, 105458.	7.0	155
54	Structural Health Monitoring in Composite Structures: A Comprehensive Review. Sensors, 2022, 22, 153.	3.8	66

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55	Lung cancer disease detection using service-oriented architectures and multivariate boosting classifier. Applied Soft Computing Journal, 2022, 122, 108820.	7.2	7
56	Blockchain Security Using Merkle Hash Zero Correlation Distinguisher for the IoT in Smart Cities. IEEE Internet of Things Journal, 2022, 9, 19296-19306.	8.7	3
57	Sensor-System-Based Network with Low-Power Communication Using Multi-Hop Routing Protocol Integrated with a Data Transmission Model. Electronics (Switzerland), 2022, 11, 1541.	3.1	2
58	Stochastic optimization model for determining support system parameters of a subway station. Expert Systems With Applications, 2022, 203, 117509.	7.6	13
59	A Comparative Analysis of Hybrid Computational Models Constructed with Swarm Intelligence Algorithms for Estimating Soil Compression Index. Archives of Computational Methods in Engineering, 2022, 29, 4735-4773.	10.2	12
60	Timber damage identification using dynamic broad network and ultrasonic signals. Engineering Structures, 2022, 263, 114418.	5.3	9
61	Machine learning analysis of features extracted from time–frequency domain of ultrasonic testing results for wood material assessment. Construction and Building Materials, 2022, 342, 127761.	7.2	8
62	Aquila Optimizer Based PSO Swarm Intelligence for IoT Task Scheduling Application in Cloud Computing. Studies in Computational Intelligence, 2022, , 481-497.	0.9	19
63	N-Gram-Based Machine Learning Approach for Bot or Human Detection from Text Messages. , 2022, , .		0
64	Understanding the Effects of Ant Algorithms on Path Planning with Gain-Ant Colony Optimization. , 2022, , .		0
65	Recent Advances in Harris Hawks Optimization: A Comparative Study and Applications. Electronics (Switzerland), 2022, 11, 1919.	3.1	37
66	Care process optimization in a cardiovascular hospital: an integration of simulation–optimization and data mining. Annals of Operations Research, 2022, 318, 685-712.	4.1	1
67	Prairie Dog Optimization Algorithm. Neural Computing and Applications, 2022, 34, 20017-20065.	5.6	212
68	NURBS Surface-Altering Optimization for Identifying Critical Slip Surfaces in 3D Slopes. International Journal of Geomechanics, 2022, 22, .	2.7	8
69	An integrated decision model for cloud vendor selection using probabilistic linguistic information and unknown weights. Engineering Applications of Artificial Intelligence, 2022, 114, 105114.	8.1	7
70	Duo-Stage Decision: A Framework for Filling Missing Values, Consistency Check, and Repair of Decision Matrices in Multicriteria Group Decision Making. IEEE Transactions on Engineering Management, 2021, 68, 1773-1785.	3.5	8
71	Surface altering optimisation in slope stability analysis with non-circular failure for random limit equilibrium method. Georisk, 2021, 15, 260-286.	3.5	18
72	A Technical Survey on Intelligent Optimization Grouping Algorithms for Finite State Automata in Deep Packet Inspection. Archives of Computational Methods in Engineering, 2021, 28, 1371-1396.	10.2	14

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73	Evolutionary Many-Objective Algorithms for Combinatorial Optimization Problems: A Comparative Study. Archives of Computational Methods in Engineering, 2021, 28, 673-688.	10.2	25
74	The Revolution of Blockchain: State-of-the-Art and Research Challenges. Archives of Computational Methods in Engineering, 2021, 28, 1497-1515.	10.2	100
75	Interval-valued probabilistic hesitant fuzzy set-based framework for group decision-making with unknown weight information. Neural Computing and Applications, 2021, 33, 2445-2457.	5.6	12
76	Lightning search algorithm: a comprehensive survey. Applied Intelligence, 2021, 51, 2353-2376.	5.3	46
77	Self adaptive cuckoo search: Analysis and experimentation. Swarm and Evolutionary Computation, 2021, 60, 100751.	8.1	41
78	Beam damage detection using synchronisation of peaks in instantaneous frequency and amplitude of vibration data. Measurement: Journal of the International Measurement Confederation, 2021, 168, 108297.	5.0	33
79	Machine learning-based left ventricular hypertrophy detection using multi-lead ECG signal. Neural Computing and Applications, 2021, 33, 4445-4455.	5.6	20
80	Solving renewable energy source selection problems using a q-rung orthopair fuzzy-based integrated decision-making approach. Journal of Cleaner Production, 2021, 279, 123329.	9.3	77
81	Addressing Security and Privacy Issues of IoT Using Blockchain Technology. IEEE Internet of Things Journal, 2021, 8, 881-888.	8.7	118
82	Improved salient object detection using hybrid Convolution Recurrent Neural Network. Expert Systems With Applications, 2021, 166, 114064.	7.6	57
83	Structural health monitoring of railway tracks using IoT-based multi-robot system. Neural Computing and Applications, 2021, 33, 5897-5915.	5.6	23
84	Introduction of ABCEP as an automatic programming method. Information Sciences, 2021, 545, 575-594.	6.9	10
85	Multiview Summarization and Activity Recognition Meet Edge Computing in IoT Environments. IEEE Internet of Things Journal, 2021, 8, 9634-9644.	8.7	30
86	Application of mutation operators to salp swarm algorithm. Expert Systems With Applications, 2021, 169, 114368.	7.6	20
87	Particle Swarm Optimization Variants for Solving Geotechnical Problems: Review and Comparative Analysis. Archives of Computational Methods in Engineering, 2021, 28, 1871-1927.	10.2	39
88	Multi-objective heat transfer search algorithm for truss optimization. Engineering With Computers, 2021, 37, 641-662.	6.1	64
89	Cost-sensitive stacked auto-encoders for intrusion detection in the Internet of Things. Internet of Things (Netherlands), 2021, 14, 100122.	7.7	22
90	Ant Colony Optimization Based Quality of Service Aware Energy Balancing Secure Routing Algorithm for Wireless Sensor Networks. IEEE Transactions on Engineering Management, 2021, 68, 170-182.	3.5	73

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91	Analysis of false data detection rate in generative adversarial networks using recurrent neural network. , 2021, , 289-312.		12
92	Text-Based Product Matching withÂIncomplete and Inconsistent Items Descriptions. Lecture Notes in Computer Science, 2021, , 92-103.	1.3	1
93	Adaptive Graph Co-Attention Networks for Traffic Forecasting. Lecture Notes in Computer Science, 2021, , 263-276.	1.3	1
94	A neural network to predict spectral acceleration. , 2021, , 335-349.		8
95	Improvement of shear strength of cohesive soils by additives: A review. , 2021, , 189-211.		3
96	Advances in Meta-Heuristic Optimization Algorithms in Big Data Text Clustering. Electronics (Switzerland), 2021, 10, 101.	3.1	65
97	Artificial Intelligence Applied to Stock Market Trading: A Review. IEEE Access, 2021, 9, 30898-30917.	4.2	54
98	A Comparison of Constraint Handling Techniques on NSGA-II. Archives of Computational Methods in Engineering, 2021, 28, 3475-3490.	10.2	9
99	Linear Weighted Regression and Energy-Aware Greedy Scheduling for Heterogeneous Big Data. Electronics (Switzerland), 2021, 10, 554.	3.1	5
100	A Survey of Learning-Based Intelligent Optimization Algorithms. Archives of Computational Methods in Engineering, 2021, 28, 3781-3799.	10.2	125
101	A decision framework under probabilistic hesitant fuzzy environment with probability estimation for multi-criteria decision making. Neural Computing and Applications, 2021, 33, 8417-8433.	5.6	18
102	Evaluation of the Mechanical Properties of Normal Concrete Containing Nano-MgO under Freezeâ€"Thaw Conditions by Evolutionary Intelligence. Applied Sciences (Switzerland), 2021, 11, 2529.	2.5	5
103	CH Selection via Adaptive Threshold Design Aligned on Network Energy. IEEE Sensors Journal, 2021, 21, 8491-8500.	4.7	13
104	Evaluating the Quality of Machine Learning Explanations: A Survey on Methods and Metrics. Electronics (Switzerland), 2021, 10, 593.	3.1	187
105	Deep learning for structural health monitoring under environmental and operational variations. , 2021, , .		6
106	Analysis and Prediction of COVID-19 Using SIR, SEIQR, and Machine Learning Models: Australia, Italy, and UK Cases. Information (Switzerland), 2021, 12, 109.	2.9	49
107	A baseline-free damage detection method using VBI incomplete measurement data. Measurement: Journal of the International Measurement Confederation, 2021, 174, 108957.	5.0	11
108	A Prediction Model for the Calculation of Effective Stiffness Ratios of Reinforced Concrete Columns. Materials, 2021, 14, 1792.	2.9	7

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109	The Arithmetic Optimization Algorithm. Computer Methods in Applied Mechanics and Engineering, 2021, 376, 113609.	6.6	1,513
110	Material Generation Algorithm: A Novel Metaheuristic Algorithm for Optimization of Engineering Problems. Processes, 2021, 9, 859.	2.8	67
111	Double-hierarchy hesitant fuzzy linguistic information-based framework for green supplier selection with partial weight information. Neural Computing and Applications, 2021, 33, 14837-14859.	5.6	11
112	Improved NSGA-III with Second-Order Difference Random Strategy for Dynamic Multi-Objective Optimization. Processes, 2021, 9, 911.	2.8	10
113	The Colony Predation Algorithm. Journal of Bionic Engineering, 2021, 18, 674-710.	5.0	365
114	Assessment of cloud vendors using interval‐valued probabilistic linguistic information and unknown weights. International Journal of Intelligent Systems, 2021, 36, 3813-3851.	5.7	18
115	Experimental dataset on water levels, sediment depths and wave front celerity values in the study of multiphase shock wave for different initial up- and down-stream conditions. Data in Brief, 2021, 36, 107082.	1.0	3
116	Investigating bound handling schemes and parameter settings for the interior search algorithm to solve truss problems. Engineering Reports, 2021, 3, e12405.	1.7	4
117	Advancing Genetic Programming via Information Theory. , 2021, , .		1
118	MSGP-LASSO: An improved multi-stage genetic programming model for streamflow prediction. Information Sciences, 2021, 561, 181-195.	6.9	27
119	Genetic programming to formulate viscoelastic behavior of modified asphalt binder. Construction and Building Materials, 2021, 286, 122954.	7.2	9
120	An Evolutionary Framework for Real-Time Fraudulent Credit Detection. , 2021, , .		0
121	Correction to "SDCF: A Software-Defined Cyber Foraging Framework for Cloudlet Environment" IEEE Transactions on Network and Service Management, 2021, 18, 2450-2450.	4.9	0
122	TBM performance prediction developing a hybrid ANFIS-PNN predictive model optimized by imperialism competitive algorithm. Neural Computing and Applications, 2021, 33, 16149-16179.	5.6	29
123	Case Study for Quantifying Flood Resilience of Interdependent Building–Roadway Infrastructure Systems. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2021, 7, .	1.7	8
124	Aquila Optimizer: A novel meta-heuristic optimization algorithm. Computers and Industrial Engineering, 2021, 157, 107250.	6.3	1,209
125	A Novel Evolutionary Arithmetic Optimization Algorithm for Multilevel Thresholding Segmentation of COVID-19 CT Images. Processes, 2021, 9, 1155.	2.8	110
126	Cyberstalking Victimization Model Using Criminological Theory: A Systematic Literature Review, Taxonomies, Applications, Tools, and Validations. Electronics (Switzerland), 2021, 10, 1670.	3.1	7

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127	Spectral acceleration prediction using genetic programming based approaches. Applied Soft Computing Journal, 2021, 106, 107326.	7.2	17
128	Structural damage identification under non-linear EOV effects using genetic programming. , 2021, , .		2
129	Authentication and Key Management in Distributed IoT Using Blockchain Technology. IEEE Internet of Things Journal, 2021, 8, 12947-12954.	8.7	40
130	A hybrid computational intelligence approach for structural damage detection using marine predator algorithm and feedforward neural networks. Computers and Structures, 2021, 252, 106568.	4.4	71
131	Ensemble Classification and IoT-Based Pattern Recognition for Crop Disease Monitoring System. IEEE Internet of Things Journal, 2021, 8, 12847-12854.	8.7	40
132	Towards Precision Agriculture: IoT-Enabled Intelligent Irrigation Systems Using Deep Learning Neural Network. IEEE Sensors Journal, 2021, 21, 17479-17491.	4.7	96
133	Groundwater sustainability: Developing a non-cooperative optimal management scenario in shared groundwater resources under water bankruptcy conditions. Journal of Environmental Management, 2021, 292, 112807.	7.8	19
134	HVD-LSTM based recognition of epileptic seizures and normal human activity. Computers in Biology and Medicine, 2021, 136, 104684.	7.0	15
135	Optimal Water Allocation from Subsurface Dams: A Risk-Based Optimization Approach. Water Resources Management, 2021, 35, 4275-4290.	3.9	5
136	Prediction of seismic damage spectra using computational intelligence methods. Computers and Structures, 2021, 253, 106584.	4.4	12
137	A hybrid evolutionary algorithm for stability analysis of 2-area multi-non-conventional system with communication delay and energy storage. International Journal of Electrical Power and Energy Systems, 2021, 130, 106823.	5.5	6
138	A self-adaptive hybridized differential evolution naked mole-rat algorithm for engineering optimization problems. Computer Methods in Applied Mechanics and Engineering, 2021, 383, 113916.	6.6	20
139	Optimized machine learning approaches for the prediction of viscoelastic behavior of modified asphalt binders. Construction and Building Materials, 2021, 299, 124264.	7.2	11
140	QANA: Quantum-based avian navigation optimizer algorithm. Engineering Applications of Artificial Intelligence, 2021, 104, 104314.	8.1	133
141	Hunger games search: Visions, conception, implementation, deep analysis, perspectives, and towards performance shifts. Expert Systems With Applications, 2021, 177, 114864.	7.6	642
142	ELM-based adaptive neuro swarm intelligence techniques for predicting the California bearing ratio of soils in soaked conditions. Applied Soft Computing Journal, 2021, 110, 107595.	7.2	59
143	Structural health monitoring under environmental and operational variations using MCD prediction error. Journal of Sound and Vibration, 2021, 512, 116370.	3.9	30
144	Prediction error of Johansen cointegration residuals for structural health monitoring. Mechanical Systems and Signal Processing, 2021, 160, 107847.	8.0	31

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145	Wood hole-damage detection and classification via contact ultrasonic testing. Construction and Building Materials, 2021, 307, 124999.	7.2	21
146	RUN beyond the metaphor: An efficient optimization algorithm based on Runge Kutta method. Expert Systems With Applications, 2021, 181, 115079.	7.6	552
147	High-performance implementation of evolutionary privacy-preserving algorithm for big data using GPU platform. Information Sciences, 2021, 579, 251-265.	6.9	7
148	Human Memory Update Strategy: A Multi-Layer Template Update Mechanism for Remote Visual Monitoring. IEEE Transactions on Multimedia, 2021, 23, 2188-2198.	7.2	217
149	Experimental Comparison of Constraint Handling Schemes in Particle Swarm Optimization. , 2021, , 81-99.		1
150	Applications, Deployments, and Integration of Internet of Drones (IoD): A Review. IEEE Sensors Journal, 2021, 21, 25532-25546.	4.7	175
151	Time series analysis of the COVID-19 pandemic in Australia using genetic programming. , 2021, , 399-411.		5
152	A Comprehensive Review and Analysis of Operating Room and Surgery Scheduling. Archives of Computational Methods in Engineering, 2021, 28, 1667-1688.	10.2	34
153	COVID-19 Patient Detection Based on Fusion of Transfer Learning and Fuzzy Ensemble Models Using CXR Images. Applied Sciences (Switzerland), 2021, 11, 11423.	2.5	22
154	Survey on Twitter Sentiment Analysis: Architecture, Classifications, and Challenges. Signals and Communication Technology, 2021, , 1-18.	0.5	6
155	Air Quality Index Analysis of Indian Cities During COVID-19 Using Machine Learning Models: A Comparative Study. , 2021, , .		2
156	Hybridizing Cuckoo Search with Naked Mole-rat Algorithm: Adapting for CEC 2017 and CEC 2021 Test Suites. , 2021, , .		1
157	A Hybrid Imputation Method for Multi-Pattern Missing Data: A Case Study on Type II Diabetes Diagnosis. Electronics (Switzerland), 2021, 10, 3167.	3.1	9
158	A DRL based 4-r Computation Model for Object Detection on RSU using LiDAR in IIoT. , 2021, , .		2
159	An Online Intelligent Task Pricing Mechanism Based on Reverse Auction in Mobile Crowdsensing Networks for the Internet of Things. , 2021, , .		0
160	Analysis of integration of financial series classification and constrained portfolio optimization. , 2021, , .		0
161	Securing e-health records using keyless signature infrastructure blockchain technology in the cloud. Neural Computing and Applications, 2020, 32, 639-647.	5.6	106
162	Classification of stroke disease using machine learning algorithms. Neural Computing and Applications, 2020, 32, 817-828.	5.6	107

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164	Securing Data in Internet of Things (IoT) Using Cryptography and Steganography Techniques. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 73-80.	9.3	104
165	I-SEP: An Improved Routing Protocol for Heterogeneous WSN for IoT-Based Environmental Monitoring. IEEE Internet of Things Journal, 2020, 7, 710-717.	8.7	128
166	Hash polynomial two factor decision tree using IoT for smart health care scheduling. Expert Systems With Applications, 2020, 141, 112924.	7.6	42
167	Optimum design of shallow foundation using evolutionary algorithms. Soft Computing, 2020, 24, 6809-6833.	3.6	22
168	Probabilistic neural networks. , 2020, , 347-367.		44
169	Design of experiments for uncertainty quantification based on polynomial chaos expansion metamodels. , 2020, , 369-381.		10
170	Software review: the GPTIPS platform. Genetic Programming and Evolvable Machines, 2020, 21, 273-280.	2.2	14
171	Consolidation assessment using Multi Expression Programming. Applied Soft Computing Journal, 2020, 86, 105842.	7.2	18
172	Loading rate effect on fracture behavior of fiber reinforced high strength concrete using a semi-circular bending test. Construction and Building Materials, 2020, 240, 117681.	7.2	25
173	Privacy-preserving in association rule mining using an improved discrete binary artificial bee colony. Expert Systems With Applications, 2020, 144, 113097.	7.6	27
174	Improving End-Users Utility in Software-Defined Wide Area Network Systems. IEEE Transactions on Network and Service Management, 2020, 17, 696-707.	4.9	28
175	An evolutionary approach to formulate the compressive strength of roller compacted concrete pavement. Measurement: Journal of the International Measurement Confederation, 2020, 152, 107309.	5.0	46
176	Swarm Decision Table and Ensemble Search Methods in Fog Computing Environment: Case of Day-Ahead Prediction of Building Energy Demands Using IoT Sensors. IEEE Internet of Things Journal, 2020, 7, 2321-2342.	8.7	12
177	A Spline Method based on the Crack Induced Deflection for Bridge Damage Detection. Advances in Engineering Software, 2020, 149, 102894.	3.8	12
178	Evolutionary modelling of the COVID-19 pandemic in fifteen most affected countries. Chaos, Solitons and Fractals, 2020, 140, 110118.	5.1	45
179	Computational intelligence for modeling of asphalt pavement surface distress. , 2020, , 79-116.		12
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181	SDCF: A Software-Defined Cyber Foraging Framework for Cloudlet Environment. IEEE Transactions on Network and Service Management, 2020, 17, 2423-2435.	4.9	27
182	Data Science in Economics: Comprehensive Review of Advanced Machine Learning and Deep Learning Methods. Mathematics, 2020, 8, 1799.	2.2	82
183	Multiobjective genetic programming for reinforced concrete beam modeling. Applied AI Letters, 2020, 1, e9.	2.2	3
184	COVID-19 Time Series Forecast Using Transmission Rate and Meteorological Parameters as Features. IEEE Computational Intelligence Magazine, 2020, 15, 34-50.	3.2	20
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188	Swarm Intelligence Based Feature Selection for Intrusion and Detection System in Cloud Infrastructure. , 2020, , .		14
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