Genetic Algorithms and Machine Learning

Citation Report

#	ARTICLE	IF	CITATIONS
1	Intelligent process mapping through systematic improvement of heuristics. Journal of Parallel and Distributed Computing, 1992, 15, 118-142.	4.1	10
2	Genetic algorithms as a strategy for feature selection. Journal of Chemometrics, 1992, 6, 267-281.	1.3	699
3	Understanding and using genetic algorithms Part 1. Concepts, properties and context. Chemometrics and Intelligent Laboratory Systems, 1993, 19, 1-33.	3.5	265
4	The application of genetic algorithms to optimisation problems in geotechnics. Computers and Geotechnics, 1993, 15, 1-19.	4.7	50
5	Application of a genetic algorithm to feature selection under full validation conditions and to outlier detection. Journal of Chemometrics, 1994, 8, 65-79.	1.3	195
6	Genetic algorithms for solving mixed-discrete optimization problems. Journal of the Franklin Institute, 1994, 331, 381-401.	3.4	13
7	A knowledge-intensive genetic algorithm for supervised learning. Machine Learning, 1994, 13, 189-228.	5.4	67
8	What makes a problem hard for a genetic algorithm? Some anomalous results and their explanation. Machine Learning, 1994, 13, 285-319.	5.4	83
9	Statistical generalization of performance-related heuristics for knowledge-lean applications. , 0, , .		0
10	Genetics-based machine learning for the assessment of certain neuromuscular disorders. IEEE Transactions on Neural Networks, 1996, 7, 427-439.	4.2	31
11	A neural network approach to the elimination of road shadow for outdoor mobile robot. , 0, , .		10
12	A Genetic Algorithm for Path Planning. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 485-490.	0.4	5
13	Learning systems in biosignal analysis. BioSystems, 1997, 41, 105-125.	2.0	12
14	A new structure of EHW. Wuhan University Journal of Natural Sciences, 1998, 3, 143-146.	0.4	0
15	Induction of a marsupial density model using genetic programming and spatial relationships. Ecological Modelling, 2000, 131, 299-317.	2.5	27
16	Modelling Microcystis aeruginosa bloom dynamics in the Nakdong River by means of evolutionary computation and statistical approach. Ecological Modelling, 2003, 161, 67-78.	2.5	53
17	EXPERT SYSTEMS WITH APPLICATIONS. Expert Systems With Applications, 2005, 28, 187-188.	7.6	12
18	Evolutionary computation in bioinformatics: a review. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2006, 36, 601-615.	2.9	85

#	ARTICLE	IF	CITATIONS
19	Learning classifier systems: a survey. Soft Computing, 2007, 11, 1065-1078.	3.6	90
20	NMR and Chemometric methods: A powerful combination for characterization of Balsamic and Traditional Balsamic Vinegar of Modena. Analytica Chimica Acta, 2008, 611, 31-40.	5.4	75
21	Expert-Driven Knowledge Discovery. , 2008, , .		4
22	Extraction of material parameters from a multilayer multi-harmonic thickness shear mode (MTSM) sensor data using genetic algorithm. , 2008, , .		0
23	Cooperative Behavior of Artificial Neural Agents Based on Evolutionary Architectures. , 2008, , .		2
24	Dirichlet component analysis. , 2008, , .		7
25	Analyzing a complaint database by means of a genetic-based data mining algorithm. , 2009, , .		2
26	Comparison between PSO and GA in System Restoration Solution. , 2009, , .		7
27	Enjoyment recognition from physiological data in a car racing game. , 2010, , .		26
28	Supervised image segmentation using watershed transform, fuzzy classification and evolutionary computation. Pattern Recognition Letters, 2010, 31, 2364-2374.	4.2	63
29	Development of soft computing and applications in agricultural and biological engineering. Computers and Electronics in Agriculture, 2010, 71, 107-127.	7.7	234
31	Approximative solutions to the bicriterion Vehicle Routing Problem with Time Windows. European Journal of Operational Research, 2010, 202, 223-231.	5.7	33
32	Personal Publication Assistant: Abstract recommendations by a cognitive model. Cognitive Systems Research, 2010, 11, 120-129.	2.7	6
33	Correcting the systematic error of the density functional theory calculation: the alternate combination approach of genetic algorithm and neural network. Chinese Physics B, 2010, 19, 076401.	1.4	2
34	Asynchronous Differential Evolution. , 2010, , .		14
35	Diploid genetic algorithm to solve optimal scheduling problem for hydropower in liberalised electricity market. , 2010, , .		0
36	Ant-CSP: An Ant Colony Optimization Algorithm for the Closest String Problem. Lecture Notes in Computer Science, 2010, , 370-381.	1.3	12
37	Improving the shuffled complex evolution scheme for optimization of complex nonlinear hydrological systems: Application to the calibration of the Sacramento soilâ€moisture accounting model. Water Resources Research, 2010, 46, .	4.2	47

#	ARTICLE	IF	CITATIONS
38	A recommender system based on genetic algorithm for music data. , 2010, , .		6
39	Planning using online evolutionary overfitting. , 2010, , .		1
40	Evolutionary Grid Scheduling Algorithm with Predictive Resource Optimization. , 2010, , .		2
41	Control of multi-legged robot using reinforcement learning with body image and application to a real robot. , 2011, , .		7
42	An effective power quality monitor placement method utilizing quantum-inspired particle swarm optimization. , 2011, , .		11
43	Learning to rank for why-question answering. Information Retrieval, 2011, 14, 107-132.	2.0	31
44	Genetic algorithm and wavelet hybrid scheme for ECG signal denoising. Telecommunication Systems, 2011, 46, 209-215.	2.5	93
45	Solar radiation transfer and performance analysis of an optimum photovoltaic/thermal system. Energy Conversion and Management, 2011, 52, 1343-1353.	9.2	132
46	A recommender system based on interactive evolutionary computation with data grouping. Procedia Computer Science, 2011, 3, 611-616.	2.0	12
47	Genetic algorithm based optimal placement of PIR sensor arrays for human localization. , 2011, , .		10
48	Low cost platform for evolvable-based boolean synthesis. , 2011, , .		2
49	Improving BP Neural Network for the Recognition of Face Direction. , 2011, , .		6
50	Quantitative Models of the Mechanisms That Control Genome-Wide Patterns of Transcription Factor Binding during Early Drosophila Development. PLoS Genetics, 2011, 7, e1001290.	3.5	150
51	In search of the Why. ACM SIGIR Forum, 2011, 44, 90-90.	0.5	3
52	Evolutionary approaches for real world applications in 21st century. , 2012, , .		3
53	Intelligent Social Media Indexing and Sharing Using an Adaptive Indexing Search Engine. ACM Transactions on Intelligent Systems and Technology, 2012, 3, 1-27.	4.5	24
54	Reduced fuzzy rule base design using Hybrid Elite Genetic Algorithm and Tabu Search. , 2012, , .		1
55	Evolutionary Algorithms for the Automatic Calibration of Simulation Models for the Virtual Engine Application. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 177-181.	0.4	6

#	ARTICLE	IF	CITATIONS
56	Quantitative Models of the Mechanisms that Control Genome-Wide Patterns of Animal Transcription Factor Binding. Methods in Cell Biology, 2012, 110, 263-283.	1.1	6
57	A New Hybrid Firefly Algorithm for Complex and Nonlinear Problem. Advances in Intelligent and Soft Computing, 2012, , 673-680.	0.2	48
58	Cerebrospinal fluid pulsatile segmentation - a review. , 2012, , .		3
59	The Research of Path-Oriented Test Data Generation Based on a Mixed Ant Colony System Algorithm and Genetic Algorithm. , 2012, , .		10
60	A hybrid evolutionary computation algorithm for global optimization. , 2012, , .		6
61	Parallel algorithm for evolvable-based boolean synthesis on GPUs. , 2012, , .		1
62	Automated segmentation of micro-CT images of bone formation in calcium phosphate scaffolds. Computerized Medical Imaging and Graphics, 2012, 36, 54-65.	5.8	17
63	Energy-saving light positioning using heuristic search. Engineering Applications of Artificial Intelligence, 2012, 25, 566-582.	8.1	11
64	A fast path planning method for single and dual crane erections. Automation in Construction, 2012, 22, 468-480.	9.8	96
65	Random forests for feature selection in QSPR Models - an application for predicting standard enthalpy of formation of hydrocarbons. Journal of Cheminformatics, 2013, 5, 9.	6.1	60
66	Reality based modeling and simulation of gallbladder shape deformation using variational methods. International Journal of Computer Assisted Radiology and Surgery, 2013, 8, 857-865.	2.8	8
67	Computer-aided genetic algorithm based multi-objective optimization of laser trepan drilling. International Journal of Precision Engineering and Manufacturing, 2013, 14, 1119-1125.	2.2	33
68	Stochastic volatility modeling with computational intelligence particle filters. , 2013, , .		0
69	A prediction scheme with genetic neural network and Isomap algorithm for tropical cyclone intensity change over western North Pacific. Meteorology and Atmospheric Physics, 2013, 121, 143-152.	2.0	8
70	On Identifying Critical Nuggets of Information during Classification Tasks. IEEE Transactions on Knowledge and Data Engineering, 2013, 25, 1354-1367.	5.7	7
71	Time-dependent fermentation control strategies for enhancing synthesis of marine bacteriocin 1701 using artificial neural network and genetic algorithm. Bioresource Technology, 2013, 138, 345-352.	9.6	17
72	Genetic Algorithm-Based Identification of Fractional-Order Systems. Entropy, 2013, 15, 1624-1642.	2.2	57
73	An Evolutionary Optimization Method for Parameter Search in 3D Points Cloud Reconstruction. Lecture Notes in Computer Science, 2013, , 601-611.	1.3	3

#	Article	IF	Citations
74	Distribution state estimation with renewable sources based distributed generations using a modified quantum-inspired evolutionary algorithm. Journal of Renewable and Sustainable Energy, 2013, 5, 053133.	2.0	6
75	Two-layer particle swarm optimization with intelligent division of labor. Engineering Applications of Artificial Intelligence, 2013, 26, 2327-2348.	8.1	39
76	Z language based an algorithm for event detection, analysis and classification in machine vision. , 2013, , .		1
77	Adapting MapReduce framework for genetic algorithm with large population. , 2013, , .		5
78	Multi-layer hybrid machine learning techniques for anomalies detection and classification approach. , 2013, , .		18
79	Software Defect Prediction Using Dynamic Support Vector Machine. , 2013, , .		16
80	Efficient Genetic Algorithm for High-Dimensional Function Optimization. , 2013, , .		1
81	Passive pressure and vector geoacoustic inversion offshore Amazon Rio mouth: A sensitivity study. , 2013, , .		1
82	A Genetic Algorithm Approach for the Most Likely Attack Path Problem. , 2013, , .		2
83	Machine conditioning by importance controlled information fusion. , 2013, , .		11
84	Built-In Test of Switched-Mode Power Converters: Avoiding DUT Damage Using Alternative Safe Measurements. , 2013, , .		7
85	â€œMore Is Differentâ€•in Functional Magnetic Resonance Imaging: A Review of Recent Data Analysis Techniques. Brain Connectivity, 2013, 3, 223-239.	1.7	20
86	Parallel algorithm for evolvable-based boolean synthesis on GPUs. Analog Integrated Circuits and Signal Processing, 2013, 76, 335-342.	1.4	1
87	IGA-based point cloud fitting using B-spline surfaces for reverse engineering. Information Sciences, 2013, 245, 276-289.	6.9	28
88	Fuzzy Hyperheuristic Framework for GA Parameters Tuning. , 2013, , .		3
89	The Hidden Potential of Movie Genome Communities: Analyzing Fine-Grained Semantic Information in Motion Pictures. , 2013, , .		1
90	Optimal Relay Placement and Diversity Analysis of Relay-Assisted Free-Space Optical Communication Systems. Journal of Optical Communications and Networking, 2013, 5, 37.	4.8	103
91	A new approach of training Hidden Markov Model by PSO algorithm for gene Sequence Modeling. , 2013, , .		3

#	ARTICLE	IF	CITATIONS
92	Gain optimization of fiber optical parametric amplifier based on genetic algorithm with pump depletion. Applied Optics, 2013, 52, 7445.	1.8	10
93	A hierarchical location model for cultural center location problem. , 2013, , .		0
94	Multivariant Optimization Algorithm for Multimodal Optimization. Applied Mechanics and Materials, 0, 483, 453-457.	0.2	4
95	Painter classification using genetic algorithms. , 2013, , .		5
96	Optimized Energy-Efficient Iterative Distributed Localization for Wireless Sensor Networks. , 2013, , .		1
97	Semantic Transform: Weakly Supervised Semantic Inference for Relating Visual Attributes. , 2013, , .		3
98	Fault diagnosis of train sensors based on evolutionary genetic Particle Filter. , 2013, , .		2
99	Cerebrospinal fluid image segmentation using spatial fuzzy clustering method with improved evolutionary Expectation Maximization. , 2013, 2013, 3359-62.		14
100	Survey of Automated Speaker Identification Methods. , 2013, , .		6
101	A DT-SVM Strategy for Stock Futures Prediction with Big Data. , 2013, , .		23
102	A compliant parallel mechanism for needle intervention. , 2013, 2013, 4875-8.		1
103	Optimal Parameter Selection of an SVM Model: Application to Hip Fracture Risk Prediction. , 2013, , .		0
104	Multi-Objective Optimization Using Genetic Algorithms of Multi-Pass Turning Process. Engineering, 2013, 05, 601-610.	0.8	11
105	Selecting Location of Retail Stores Using Artificial Neural Networks and Google Places API. International Journal of Statistics and Probability, 2013, 3, .	0.3	7
106	Introduction to Fireworks Algorithm. International Journal of Swarm Intelligence Research, 2013, 4, 39-70.	0.7	80
107	An Evolutionary Firefly Algorithm for the Estimation of Nonlinear Biological Model Parameters. PLoS ONE, 2013, 8, e56310.	2.5	34
108	An Improved Swarm Optimization for Parameter Estimation and Biological Model Selection. PLoS ONE, 2013, 8, e61258.	2.5	16
109	Investigating preferences for color-shape combinations with gaze driven optimization method based on evolutionary algorithms. Frontiers in Psychology, 2013, 4, 926.	2.1	10

#	Article	IF	Citations
110	Application of GAâ€"SVM method with parameter optimization for landslide development prediction. Natural Hazards and Earth System Sciences, 2014, 14, 525-533.	3.6	99
111	Evolution with Reinforcement Learning in Negotiation. PLoS ONE, 2014, 9, e102840.	2.5	7
112	Pricing Resources in LTE Networks through Multiobjective Optimization. Scientific World Journal, The, 2014, 2014, 1-9.	2.1	4
113	Problem solving of container loading using genetic algorithm based on modified random keys. Journal of Advanced Computer Science & Technology, 2014, 4, 190-197.	1.2	2
114	Asset management using genetic algorithm: Evidence from Tehran Stock Exchange. Management Science Letters, 2014, , 221-226.	1.5	4
115	An Artificial Ecosystem Algorithm applied to static and Dynamic Travelling Salesman Problems. , 2014, , .		9
116	Performance of lead-free piezoelectric materials in cantilever-based energy harvesting devices. International Journal of Computational Materials Science and Engineering, 2014, 03, 1450010.	0.7	1
117	A combined <i>greedy-walk</i> heuristic and simulated annealing approach for the closest string problem. Optimization Methods and Software, 2014, 29, 673-702.	2.4	2
118	Tuning a multiple classifier system for side effect discovery using genetic algorithms. , 2014, , .		1
119	Global optimization with derivative-free, derivative-based and evolutionary algorithms. , 2014, , .		1
120	Optimal SVM parameter selection for non-separable and unbalanced datasets. Structural and Multidisciplinary Optimization, 2014, 50, 523-535.	3.5	12
121	A New Compact Teaching-Learning-Based Optimization Method. Lecture Notes in Computer Science, 2014, , 717-726.	1.3	7
122	Genetic algorithm with self-adaptive mutation controlled by chromosome similarity. , 2014, , .		11
123	Evolving an Information Diffusion Model Using a Genetic Algorithm for Monthly River Discharge Time Series Interpolation and Forecasting. Journal of Hydrometeorology, 2014, 15, 2236-2249.	1.9	12
124	Learning Bayesian classifiers using overlapping swarm intelligence. , 2014, , .		6
125	Optimal battery placement in photovoltaic based distributed generation using binary firefly algorithm for voltage rise mitigation. , 2014, , .		10
126	3D Structure Estimation Using Evolutionary Algorithms Based on Similarity Transform. , 2014, , .		1
127	An AHP-GA-BP Algorithm for Evaluation of Enterprise Collaborative Innovation Management of Intellectual Property Rights. International Journal of U- and E- Service, Science and Technology, 2014, 7, 91-102.	0.1	2

#	Article	IF	Citations
128	Canonical Correlation Analysis for Gene-Based Pleiotropy Discovery. PLoS Computational Biology, 2014, 10, e1003876.	3.2	27
129	Feature Mining for Machine Learning Based Compilation Optimization. , 2014, , .		7
130	A Modified Multi-group DNA Genetic Algorithm for Parameter Estimation of Proton Exchange Membrane Fuel Cell Model. , 2014, , .		1
131	Evolutionary design of self-organizing particle systems for collective problem solving. , 2014, , .		1
132	A Hybrid Differential Evolution Self-Organizing-Map Algorithm for Optimization of Expensive Black-box Functions. , 2014, , .		3
133	VERMONT: Visualizing mutations and their effects on protein physicochemical and topological property conservation. BMC Proceedings, 2014, 8, S4.	1.6	6
134	Using Genetic Algorithms to Repair JUnit Test Cases. , 2014, , .		4
135	Heterogeneous transfer learning for activity recognition using heuristic search techniques. International Journal of Pervasive Computing and Communications, 2014, 10, 393-418.	1.3	17
136	A Hyper-heuristic approach towards mitigating Premature Convergence caused by the objective fitness function in GP. , 2014, , .		0
137	Building algorithm portfolios for memetic algorithms. , 2014, , .		0
138	"CERE": A CachE Recommendation Engine: Efficient Evolutionary Cache Hierarchy Design Space Exploration. , 2014, , .		2
139	Infrared broadband quarter-wave and half-wave plates synthesized from anisotropic Bézier metasurfaces. Optics Express, 2014, 22, 32371.	3.4	38
140	An efficient clustering approach using genetic algorithm and node mobility in wireless sensor networks. , 2014, , .		12
141	Accuracy analysis and calibration of 3-PUS/S parallel battery swapping robot. , 2014, , .		1
142	The application of genetic operators in the Artificial Bee Colony algorithm. , 2014, , .		1
143	MRF model based approach for simultaneous InSAR phase filtering and unwrapping. , 2014, , .		2
144	Agile earth observing satellites mission planning using genetic algorithm based on high quality initial solutions. , 2014, , .		9
145	Darwin or Lamarck? Future Challenges in Evolutionary Algorithms for Knowledge Discovery and Data Mining. Lecture Notes in Computer Science, 2014, , 35-56.	1.3	15

#	Article	IF	Citations
146	Comparative Analysis of Filter-Wrapper Approach for Random Forest Performance on Multivariate Data. , 2014, , .		3
147	A social-evolutionary approach to compose a similarity function used on event recommendation. , 2014, , .		3
148	A novel evolutionary algorithm solving optimization problems. , 2014, , .		8
149	Energy efficient in-memory machine learning for data intensive image-processing by non-volatile domain-wall memory. , 2014, , .		22
150	GEAS: A GA-ES-mixed algorithm for parameterized optimization problems — Using CLS problem as an example. , 2014, , .		0
151	Wind farm layout optimization by using Definite Point selection and genetic algorithm. , 2014, , .		16
153	Complex Trajectory Planning for Lapping of Diamond Cutting Tool. Key Engineering Materials, 2014, 625, 453-457.	0.4	1
154	Generation Unit Capacity Expansion Planning Analysis: Approach Using Real Coded Improved Genetic Algorithm. Applied Mechanics and Materials, 2014, 626, 190-196.	0.2	0
155	Genetic algorithm for an optimized weighted voting scheme incorporating k-separated bigram transition probabilities to improve protein fold recognition. , 2014, , .		4
156	Fitness Predator Optimizer to avoid premature convergence for multimodal problems. , 2014, , .		4
157	Inverse transient radiation analysis in one-dimensional participating slab using improved Ant Colony Optimization algorithms. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 133, 351-363.	2.3	39
158	An efficient eye detection and tracking system based on particle swarm optimization and adaptive block-matching search algorithm. Engineering Applications of Artificial Intelligence, 2014, 31, 90-100.	8.1	11
159	Online monitoring of nonlinear multivariate industrial processes using filtering KICAâ€"PCA. Control Engineering Practice, 2014, 22, 205-216.	5.5	94
160	Reshaped <scp>Sequential Replacement</scp> for variable selection in QSPR: comparison with other reference methods. Journal of Chemometrics, 2014, 28, 249-259.	1.3	15
161	Product family assembly line balancing based on an improved genetic algorithm. International Journal of Advanced Manufacturing Technology, 2014, 70, 1775-1786.	3.0	12
162	Methods for approximating value functions for the Dominion card game. Evolutionary Intelligence, 2014, 6, 195-204.	3.6	4
163	Design and enhancement of painting interface for room lights. Visual Computer, 2014, 30, 467-478.	3.5	6
164	Perspective: Crystal structure prediction at high pressures. Journal of Chemical Physics, 2014, 140, 040901.	3.0	135

#	ARTICLE	IF	CITATIONS
165	Prediction of concrete compressive strength: Research on hybrid models genetic based algorithms and ANFIS. Advances in Engineering Software, 2014, 67, 156-163.	3.8	144
166	Genetic algorithm-based heuristic for feature selection in credit risk assessment. Expert Systems With Applications, 2014, 41, 2052-2064.	7.6	327
167	Improved hybrid optimization algorithm for 3D protein structure prediction. Journal of Molecular Modeling, 2014, 20, 2289.	1.8	18
168	An evolutionary approach for combining results of recommender systems techniques based on Collaborative Filtering. , 2014, , .		10
169	An improved genetic algorithm for dynamic shortest path problems. , 2014, , .		15
170	A survey on complexity management in systems engineering. , 2014, , .		2
171	Mechanical properties and thermal stability of ultrathin tungsten nanowires. RSC Advances, 2014, 4, 6985.	3.6	9
172	A Solution to Inverse Kinematics Problem Using the Concept of Sampling Importance Resampling. , 2014, , .		4
173	A Metaheuristic-Based Approach for the Capacitated Supply Chain Network Design Problem Including Imperfect Quality and Rework. IEEE Computational Intelligence Magazine, 2014, 9, 31-45.	3.2	2
174	Applying an artificial neural network to simulate and predict Chinese fir (Cunninghamia lanceolata) plantation carbon flux in subtropical China. Ecological Modelling, 2014, 294, 19-26.	2.5	19
175	A genetic strategy to design cellular automata based block ciphers. Expert Systems With Applications, 2014, 41, 7958-7967.	7.6	15
176	Particle swarm optimization with adaptive time-varying topology connectivity. Applied Soft Computing Journal, 2014, 24, 623-642.	7.2	39
177	Optimization of geosynchronous satellite constellation for independent regional navigation and positioning in Middle East region. Acta Astronautica, 2014, 104, 147-158.	3.2	10
178	Multi-Objective Optimization and Design of Photovoltaic-Wind Hybrid System for Community Smart DC Microgrid. IEEE Transactions on Smart Grid, 2014, 5, 2635-2643.	9.0	213
179	An integrated simulation and optimization approach for managing human health risks of atmospheric pollutants by coal-fired power plants. Journal of the Air and Waste Management Association, 2014, 64, 704-720.	1.9	1
180	Corrosion current density prediction in reinforced concrete by imperialist competitive algorithm. Neural Computing and Applications, 2014, 25, 1627-1638.	5.6	74
181	SoMIR framework for designing high-NDBP photonic crystal waveguides. Applied Optics, 2014, 53, 3945.	1.8	18
182	Hybrid Job Scheduling Algorithm for Cloud Computing Environment. Advances in Intelligent Systems and Computing, 2014, , 43-52.	0.6	64

#	Article	IF	Citations
183	Change detection in SAR images by artificial immune multi-objective clustering. Engineering Applications of Artificial Intelligence, 2014, 31, 53-67.	8.1	44
184	Bidirectional teaching and peer-learning particle swarm optimization. Information Sciences, 2014, 280, 111-134.	6.9	35
185	MLRMPA: An R package of multiple linear regression model population analysis based on a cluster sampling technique for variable selection of high dimensional data. Chemometrics and Intelligent Laboratory Systems, 2014, 132, 124-132.	3.5	4
186	The assessment of evolutionary algorithms for analyzing the positional accuracy and uncertainty of maps. Expert Systems With Applications, 2014, 41, 6346-6360.	7.6	7
187	Extracting easy to understand summary using differential evolution algorithm. Swarm and Evolutionary Computation, 2014, 16, 19-27.	8.1	15
188	Simulation and optimization on etherification of light gasoline in a process of two fixed-bed reactors and one distillation column. Computers and Chemical Engineering, 2014, 68, 47-55.	3.8	4
189	Towards more accurate multi-label software behavior learning. , 2014, , .		32
190	A modified k-TSP algorithm and its application in LCâ€“MS-based metabolomics study of hepatocellular carcinoma and chronic liver diseases. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2014, 966, 100-108.	2.3	11
191	Role of spontaneous physical activity in prediction of susceptibility to activity based anorexia in male and female rats. Physiology and Behavior, 2014, 135, 104-111.	2.1	14
192	Generalized decomposition and cross entropy methods for many-objective optimization. Information Sciences, 2014, 282, 363-387.	6.9	90
193	Spatially-Explicit Simulation of Urban Growth through Self-Adaptive Genetic Algorithm and Cellular Automata Modelling. Land, 2014, 3, 719-738.	2.9	57
194	GPU Based Genetic Algorithms for the Dynamic Sub-area Division Problem of the Transportation System. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 5115-5120.	0.4	3
195	Optimal Scheduling Methods to Integrate Plug-in Electric Vehicles with the Power System: A Review. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 8594-8603.	0.4	19
196	Recent Developments on Computer Aided Fixture Design: Case Based Reasoning Approaches. Advances in Mechanical Engineering, 2014, 6, 484928.	1.6	11
197	Simulation of oil drilling time series using Monte Carlo and Bayesian Networks. , 2015, , .		1
198	Application of Smart Infrastructure Systems approach to precision medicine. Applied & Translational Genomics, 2015, 7, 40-44.	2.1	5
199	GA-SVR and Pseudo-position-aided GPS/INS Integration during GPS Outage. Journal of Navigation, 2015, 68, 678-696.	1.7	28
200	Proportional integral controller gain tuning using real time digital simulation models and multi-objective optimization based co-simulation. IFAC-PapersOnLine, 2015, 48, 473-478.	0.9	1

#	ARTICLE	IF	CITATIONS
201	A new mathematical model for single machine scheduling with learning effect: continuous approach. International Journal of Mathematics in Operational Research, 2015, 7, 348.	0.2	2
202	An extension of linear-quadratic regulator trend to determine near optimal performance of nonlinear systems using evolutionary algorithms. International Journal of Space Science and Engineering, 2015, 3, 171.	0.1	1
203	Synthesis of reversible BCD-to-Excess-3 code converter using genetic algorithms. , 2015, , .		0
204	Featue selection effects on kidney desease analysis. , 2015, , .		8
205	Evolving Finite-State Machines Controllers for the Simulated Car Racing Championship. , 2015, , .		3
206	Battery-Aware Loop Nests Mapping for CGRAs. IEICE Transactions on Information and Systems, 2015, E98.D, 230-242.	0.7	1
207	Data-driven dynamic decision models. , 2015, , .		2
208	First trial of multi-wavelength vector sensor: Sediment geoacoustic properties obtained from vessel noise off Senegal. , 2015, , .		0
209	Network protocol security testing based on fuzz. , 2015, , .		1
210	Localization and classification of welding defects using genetic algorithm based optimal feature set. , 2015, , .		3
211	Sequential vs batch processing of ship noise data in inversion for geoacoustic properties. , 2015, , .		0
212	Surface crack reconstruction from eddy current images using a direct semi-analytic model. Journal of Physics: Conference Series, 2015, 657, 012015.	0.4	0
213	A Modified Markowitz Multi-Period Dynamic Portfolio Selection Model Based on the LDIW-PSO. International Journal of Economics and Finance, 2015, 8, 90.	0.3	2
214	Development of a High Irradiance LED Configuration for Small Field of View Motion Estimation of Fertilizer Particles. Sensors, 2015, 15, 28627-28645.	3.8	9
215	Layout Optimization of Braced Frames Using Differential Evolution Algorithm and Dolphin Echolocation Optimization. Periodica Polytechnica: Civil Engineering, 2015, 59, 441-449.	0.6	8
216	Detecting Cyber-Attacks on Wireless Mobile Networks Using Multicriterion Fuzzy Classifier with Genetic Attribute Selection. Mobile Information Systems, 2015, 2015, 1-13.	0.6	5
217	Genetic Algorithm Learning of Nash Equilibrium. Journal of Electronic Commerce in Organizations, 2015, 13, 1-14.	1.1	3
218	Short-term load forecasting in a non-residential building contrasting models and attributes. Energy and Buildings, 2015, 92, 322-330.	6.7	155

#	ARTICLE	IF	CITATIONS
219	A Recommendation System for Ubiquitous Learning in the Context of Formal and Informal Education. IEEE Latin America Transactions, 2015, 13, 1061-1067.	1.6	6
220	A self-adaptive harmony PSO search algorithm and its performance analysis. Expert Systems With Applications, 2015, 42, 7436-7455.	7.6	55
221	Translational Algorithms: The Heart of a Brain Computer Interface. Intelligent Systems Reference Library, 2015, , 97-121.	1.2	2
222	Mechanical properties and thermal stability of ultrathin molybdenum nanowires. RSC Advances, 2015, 5, 31231-31237.	3.6	3
223	A Genetic Algorithm Based Approach for Energy Minimization of Scheduled Traffic in Optical Networks. , 2015, , .		0
224	Swine Influenza Model Based Optimization using seasonal flu shots (SIMBO-SS). , 2015, , .		1
225	Comparative Study of Artificial Bee Colony Algorithm and Real Coded Genetic Algorithm for Analysing Their Performances and Development of a New Algorithmic Framework. , 2015, , .		8
226	Matching facial attributes in caricature-photograph pairs. , 2015, , .		0
227	A model for controlling variance in the Artificial Bee Colony algorithm. , 2015, , .		2
228	Design of optimal fuzzy controllers for stabilization of a Helicopter Simulator using hybrid Elite Genetic Algorithm and Tabu Search. , 2015, , .		0
229	Finding the Optimal Sample Based on Shannon's Entropy and Genetic Algorithms. Lecture Notes in Computer Science, 2015, , 353-363.	1.3	2
230	Sensor event mining with hybrid ensemble learning and evolutionary feature subset selection model. , 2015, , .		3
231	Comparative Evaluation of the Stochastic Simplex Bisection Algorithm and the SciPy.Optimize Module. , 2015, , .		0
232	Matching caricatures to photographs. Signal, Image and Video Processing, 2015, 9, 295-303.	2.7	14
234	Resource Scheduling in Mobile Cloud Computing: Taxonomy and Open Challenges. , 2015, , .		6
235	Planning & acting: Optimal Markov decision scheduling of aggregated data in WSNs by genetic algorithm. , 2015, , .		3
236	Approximately optimal algorithms for scheduling a single machine with general convex resource functions. International Journal of Computer Integrated Manufacturing, 2015, 28, 920-935.	4.6	4
237	Step-wise support vector machines for classification of overlapping samples. Neurocomputing, 2015, 155, 159-166.	5.9	23

#	Article	IF	Citations
238	Genetic Algorithm-Based Classifiers Fusion for Multisensor Activity Recognition of Elderly People. IEEE Journal of Biomedical and Health Informatics, 2015, 19, 282-289.	6.3	56
239	FUGE: A joint meta-heuristic approach to cloud job scheduling algorithm using fuzzy theory and a genetic method. Cluster Computing, 2015, 18, 829-844.	5.0	135
240	A novel strategy for automatic test data generation using soft computing technique. Frontiers of Computer Science, 2015, 9, 346-363.	2.4	33
241	Three-dimensional gravity inversion using graph theory to delineate the skeleton of homogeneous sources. Geophysics, 2015, 80, G53-G66.	2.6	7
242	Brainstorm optimisation algorithm (BSOA): An efficient algorithm for finding optimal location and setting of FACTS devices in electric power systems. International Journal of Electrical Power and Energy Systems, 2015, 69, 48-57.	5.5	119
243	Constraint Handling and Multi-Objective Methods for the Evolution of Interplanetary Trajectories. Journal of Guidance, Control, and Dynamics, 2015, 38, 792-800.	2.8	16
244	GPS radio occultation constellation design with the optimal performance in Asia Pacific region. Journal of Geodesy, 2015, 89, 519-536.	3.6	5
245	Calibration of infiltration, roughness and longitudinal dispersivity coefficients in furrow fertigation using inverse modelling with a genetic algorithm. Biosystems Engineering, 2015, 136, 129-139.	4.3	6
246	Optimisation of nonlinear motion cueing algorithm based on genetic algorithm. Vehicle System Dynamics, 2015, 53, 526-545.	3.7	51
247	Comparing the performance of multispectral vegetation indices and machine-learning algorithms for remote estimation of chlorophyll content: a case study in the Sundarbans mangrove forest. International Journal of Remote Sensing, 2015, 36, 3114-3133.	2.9	21
248	Searching globally optimal parameter sequence for defeating Runge phenomenon by immunity genetic algorithm. Applied Mathematics and Computation, 2015, 264, 85-98.	2.2	9
249	Comparison and calibration of a real-time virtual stenting algorithm using Finite Element Analysis and Genetic Algorithms. Computer Methods in Applied Mechanics and Engineering, 2015, 293, 462-480.	6.6	26
250	A multi-objective evolutionary algorithm for the tuning of fuzzy rule bases for uncoordinated intersections in autonomous driving. Information Sciences, 2015, 321, 14-30.	6.9	22
251	Parameter Estimation in Bayesian Networks Using Overlapping Swarm Intelligence. , 2015, , .		6
252	Split and merge algorithm for deep learning and its application for additional classes. Pattern Recognition Letters, 2015, 65, 137-144.	4.2	4
253	Computational scheduling methods for integrating plug-in electric vehicles with power systems: A review. Renewable and Sustainable Energy Reviews, 2015, 51, 396-416.	16.4	182
254	MOARF, an Integrated Workflow for Multiobjective Optimization: Implementation, Synthesis, and Biological Evaluation. Journal of Chemical Information and Modeling, 2015, 55, 1169-1180.	5.4	43
255	The Stochastic Simplex Bisection Algorithm. Procedia Computer Science, 2015, 51, 855-864.	2.0	1

#	Article	IF	Citations
256	Workload-aware request routing in cloud data center using software-defined networking. Journal of Systems Engineering and Electronics, 2015, 26, 151-160.	2.2	6
257	Confidence measure: A novel metric for robust meta-heuristic optimisation algorithms. Information Sciences, 2015, 317, 114-142.	6.9	31
258	An ultrasound-assisted system for the optimization of biodiesel production from chicken fat oil using a genetic algorithm and response surface methodology. Ultrasonics Sonochemistry, 2015, 26, 312-320.	8.2	104
259	Guidance path scheduling using particle swarm optimization in crowd simulation. Computer Animation and Virtual Worlds, 2015, 26, 387-395.	1.2	14
260	Improving the multi-objective evolutionary optimization algorithm for hydropower reservoir operations in the California Orovilleâ€"Thermalito complex. Environmental Modelling and Software, 2015, 69, 262-279.	4.5	102
261	Innovative techniques to discover novel antimalarials. Systems and Synthetic Biology, 2015, 9, 39-42.	1.0	1
262	The entropy weighted non-uniform scanning algorithm for diffraction tomography. Science China Information Sciences, 2015, 58, 1-13.	4.3	1
263	Segmenting MRI brain images using evolutionary computation technique. , 2015, , .		5
264	Rapid detection of anthocyanin content in lychee pericarp during storage using hyperspectral imaging coupled with model fusion. Postharvest Biology and Technology, 2015, 103, 55-65.	6.0	27
265	Prediction of Sanchezâ€Lacombe equation of state characteristic parameters for plus fractions. Canadian Journal of Chemical Engineering, 2015, 93, 1483-1489.	1.7	2
266	Optimization-based excavator pose estimation using real-time location systems. Automation in Construction, 2015, 56, 76-92.	9.8	78
267	Data miningâ€based tag recommendation system: an overview. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2015, 5, 87-112.	6.8	27
268	Rapid detection of browning levels of lychee pericarp as affected by moisture contents using hyperspectral imaging. Computers and Electronics in Agriculture, 2015, 113, 203-212.	7.7	27
269	Agile factorial production for a single manufacturing line with multiple products. European Journal of Operational Research, 2015, 245, 754-766.	5.7	7
270	Principal Component Analysis combined with a Self Organization Feature Map to determine the pull-off adhesion between concrete layers. Construction and Building Materials, 2015, 78, 386-396.	7.2	45
271	Evolutionary robotics in two decades: A review. Sadhana - Academy Proceedings in Engineering Sciences, 2015, 40, 1169-1184.	1.3	5
272	A Neighbourhood Based Hybrid Genetic Search Model for Feature Selection. Lecture Notes in Computer Science, 2015, , 421-431.	1.3	0
273	Enhancing power transfer capability through flexible AC transmission system devices: a review. Frontiers of Information Technology and Electronic Engineering, 2015, 16, 658-678.	2.6	54

#	ARTICLE	IF	CITATIONS
274	A hybrid feature subset selection by combining filters and genetic algorithm. , 2015, , .		1
275	A Genetic algorithm based feature selection technique for classification of multiple-subject fMRI data. , 2015, , .		2
276	On the thrust surface of unreinforced and FRP-/FRCM-reinforced masonry domes. Composites Part B: Engineering, 2015, 83, 297-305.	12.0	51
277	Energy aware flash flood monitoring stations using a GA-fuzzy logic control mechanism. , 2015, , .		6
278	Closed-Form FIR Filter Design Based on Convolution Window Spectrum Interpolation. IEEE Transactions on Signal Processing, 2015, , 1-1.	5.3	12
279	Chaotic bat swarm optimisation (CBSO). Applied Soft Computing Journal, 2015, 26, 523-530.	7.2	125
280	Hybrid genetic algorithm-based optimization of powertrain and control parameters of plug-in hybrid electric bus. Journal of the Franklin Institute, 2015, 352, 776-801.	3.4	67
281	Participation-based student final performance prediction model through interpretable Genetic Programming: Integrating learning analytics, educational data mining and theory. Computers in Human Behavior, 2015, 47, 168-181.	8.5	211
282	Meta-Heuristic Algorithms in Car Engine Design: A Literature Survey. IEEE Transactions on Evolutionary Computation, 2015, 19, 609-629.	10.0	75
283	An overview of population-based algorithms for multi-objective optimisation. International Journal of Systems Science, 2015, 46, 1572-1599.	5.5	84
284	Optimization of the Complex-RFM optimization algorithm. Optimization and Engineering, 2015, 16, 27-48.	2.4	4
285	Design of stochastic solvers based on genetic algorithms for solving nonlinear equations. Neural Computing and Applications, 2015, 26, 1-23.	5.6	74
286	Enhanced leader PSO (ELPSO): A new PSO variant for solving global optimisation problems. Applied Soft Computing Journal, 2015, 26, 401-417.	7.2	207
287	Metaheuristics in large-scale global continues optimization: A survey. Information Sciences, 2015, 295, 407-428.	6.9	347
288	Artificial intelligence-based solution to estimate the spatial accuracy of volunteered geographic data. Journal of Spatial Science, 2015, 60, 119-135.	1.5	15
289	Coordinated tuning of power system stabilizers using bio-inspired algorithms. International Journal of Electrical Power and Energy Systems, 2015, 64, 419-428.	5.5	43
290	Enhanced leader PSO (ELPSO): A new algorithm for allocating distributed TCSCâ€™s in power systems. International Journal of Electrical Power and Energy Systems, 2015, 64, 771-784.	5.5	70
291	Methods for multi-objective optimization: An analysis. Information Sciences, 2015, 293, 338-350.	6.9	154

#	Article	IF	Citations
292	Optimization about the layout of IMUs in large ship based on fruit fly optimization algorithm. Optik, 2015, 126, 490-493.	2.9	15
293	Schedule generation scheme for solving multi-mode resource availability cost problem by modified particle swarm optimization. Journal of Scheduling, 2015, 18, 285-298.	1.9	13
294	Position control of hydraulic servo system using proportional-integral-derivative controller tuned by some evolutionary techniques. JVC/Journal of Vibration and Control, 2016, 22, 2946-2957.	2.6	24
295	Data clustering using multivariant optimization algorithm. International Journal of Machine Learning and Cybernetics, 2016, 7, 773-782.	3.6	7
296	Survey of Meta-Heuristic Algorithms for Deep Learning Training. , 0, , .		22
297	Assessment of Optimized Electrode Configuration for Electrical Impedance Myography Using Genetic Algorithm via Finite Element Model. Journal of Medical Engineering, 2016, 2016, 1-7.	1.1	8
298	A Genetic Algorithm and Fuzzy Logic Approach for Video Shot Boundary Detection. Computational Intelligence and Neuroscience, 2016, 2016, 1-11.	1.7	33
299	In Silico Prediction of Cytochrome P450-Drug Interaction: QSARs for CYP3A4 and CYP2C9. International Journal of Molecular Sciences, 2016, 17, 914.	4.1	50
300	Detection of Urban Damage Using Remote Sensing and Machine Learning Algorithms: Revisiting the 2010 Haiti Earthquake. Remote Sensing, 2016, 8, 868.	4.0	151
301	Optimal Parameter Exploration for Online Change-Point Detection in Activity Monitoring Using Genetic Algorithms. Sensors, 2016, 16, 1784.	3.8	9
302	Determining the Structure of Decision Directed Acyclic Graphs for Multiclass Classification Problems. , 2016, , .		3
303	Multi-population genetic algorithm with Hierarchical execution. , 2016, , .		2
304	Developing Subdomain Allocation Algorithms Based on Spatial and Communicational Constraints to Accelerate Dust Storm Simulation. PLoS ONE, 2016, 11, e0152250.	2.5	9
305	An Appraisal of Meta-Heuristic Resource Allocation Techniques for IaaS Cloud. Indian Journal of Science and Technology, 2016, 9, .	0.7	58
306	State of the art artificial intelligence-based MPPT techniques for mitigating partial shading effects on PV systems â€" A review. Renewable and Sustainable Energy Reviews, 2016, 64, 435-455.	16.4	267
307	Synthesis, biological activities and structureâˆ'activity relationships for new avermectin analogues. European Journal of Medicinal Chemistry, 2016, 121, 422-432.	5.5	39
308	Towards an autonomously configured parallel genetic algorithm: Deme size and deme number. , 2016, , .		0
309	Equivalent circuit model parameters estimation of Li-ion battery: C-rate, SOC and temperature effects. , 2016, , .		22

#	Article	IF	Citations
310	Customer and aggregator balanced dynamic Electric Vehicle charge scheduling in a smart grid framework. , 2016, , .		3
311	Receding horizon based greenhouse air temperature control using grey wolf optimization algorithm. , 2016, , .		6
312	A simultaneous perturbation stochastic approximation enhanced teaching-learning based optimization. , 2016, , .		4
313	An intelligent particle filter for state estimation and fault detection. , 2016, , .		1
314	Estimation of battery parameters of the equivalent circuit models using meta-heuristic techniques. , 2016, , .		11
315	3D modeling based on multiple Unmanned Aerial Vehicles with the optimal paths. , 2016, , .		0
316	Portfolio selection models based on Cross-entropy of uncertain variables. Journal of Intelligent and Fuzzy Systems, 2016, 31, 737-747.	1.4	3
317	Novel design of Fractional Delay Filter using lattice wave digital filter. , 2016, , .		0
318	Molecular Descriptors Selection and Machine Learning Approaches in Protein-Ligand Binding Affinity with Applications to Molecular Docking. , 2016, , .		0
319	Parameter estimation for a rice phenology model based on the differential evolution algorithm. , 2016, , .		0
320	A new hybrid global optimization approach for selecting clinical and biological features that are relevant to the effective diagnosis of ovarian cancer. , 2016, , .		2
321	A hybrid genetic algorithm for waste collection problem by heterogeneous fleet of vehicles with multiple separated compartments. Journal of Intelligent and Fuzzy Systems, 2016, 30, 1817-1830.	1.4	36
322	Automated cross layer feature selection for effective intrusion detection in networked systems. , 2016, , .		1
323	How effective are meta-heuristics for recognising hand gestures. , 2016, , .		0
324	Determining the Pressure Distribution on Water Pipeline Networks Using the Firefly Algorithm. , 2016, , .		5
325	Two-phase differential evolution framework for solving optimization problems. , 2016, , .		8
326	Cultural Ant Colony Optimization on GPUs for Travelling Salesman Problem. Lecture Notes in Computer Science, 2016, , 317-329.	1.3	2
327	Metaheuristic tuning of type-II fuzzy inference systems for data mining. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
328	A genetic algorithm approach for topic clustering: A centroid-based encoding scheme. , 2016, , .		1
329	Breast Cancer Diagnosis Using a Hybrid Genetic Algorithm for Feature Selection Based on Mutual Information. , 2016, , .		18
330	An energy efficient Metaheuristic method for Micro Robots Indoor area Coverage problem. , 2016, , .		4
331	A nonlinear estimation and control algorithm based on ant colony optimization. , 2016, , .		5
332	Incorporating awareness and genetic-based viral marketing strategies to a consumer behavior model. , 2016, , .		2
333	Genetic algorithm based model for capacitated network design problem. , 2016, , .		0
334	Optimizing HVAC operation in commercial buildings: A genetic algorithm multi-objective optimization framework. , 2016, , .		11
335	PredRBR: Accurate Prediction of RNA-Binding Residues in proteins using Gradient Tree Boosting. , 2016, , .		0
336	Optimal power flow solution using water cycle algorithm. , 2016, , .		3
337	NeuralGenesis: A software for distributed neural network training. , 2016, , .		0
338	An Evolutionary Algorithm Applied to Inventory Control for Natural Gasoline. Industrial & Engineering Chemistry Research, 2016, 55, 13062-13073.	3.7	2
339	Time series wind power forecasting based on variant Gaussian Process and TLBO. Neurocomputing, 2016, 189, 135-144.	5.9	52
340	Use of adaptive hybrid filtering process in Crohn's disease lesion detection from real capsule endoscopy videos. Healthcare Technology Letters, 2016, 3, 27-33.	3.3	6
341	The path planning of cleaner robot for coverage region using Genetic Algorithms. Journal of Innovation in Digital Ecosystems, 2016, 3, 37-43.	1.3	73
342	Competencias directivas requeridas por los CEO ante la complejidad de las organizaciones del siglo xxi. Suma De Negocios, 2016, 7, 113-124.	0.2	7
343	Hybrid-based Arabic single-document text summarization approach using genatic algorithm. , 2016, , .		12
344	Estimation of permeability of naturally fractured reservoirs by pressure transient analysis: An innovative reservoir characterization and flow simulation. Journal of Petroleum Science and Engineering, 2016, 145, 404-422.	4.2	30
345	Parameters inversion of high central core rockfill dams based on a novel genetic algorithm. Science China Technological Sciences, 2016, 59, 783-794.	4.0	30

#	ARTICLE	IF	CITATIONS
346	The Self-Learning Particle Swarm Optimization approach for routing pickup and delivery of multiple products with material handling in multiple cross-docks. Transportation Research, Part E: Logistics and Transportation Review, 2016, 91, 208-226.	7.4	46
347	HYDRA: Massively Compositional Model for Cross-Project Defect Prediction. IEEE Transactions on Software Engineering, 2016, 42, 977-998.	5.6	216
348	Multi-degree cyclic flow shop robotic cell scheduling problem: Ant colony optimization. Computers and Operations Research, 2016, 73, 67-83.	4.0	34
349	PCA-ICA Integrated with Bayesian Method for Non-Gaussian Fault Diagnosis. Industrial & Engineering Chemistry Research, 2016, 55, 4979-4986.	3.7	42
350	Multi-Objective Optimization of Vehicle Passive Suspension System Using NSGA-II, SPEA2 and PESA-II. Procedia Technology, 2016, 23, 361-368.	1.1	89
351	Mix-opt: A new route operator for optimal coverage path planning for a fleet in an agricultural environment. Expert Systems With Applications, 2016, 54, 364-378.	7.6	58
352	Representative surrogate problems as test functions for expensive simulators in multidisciplinary design optimization of vehicle structures. Structural and Multidisciplinary Optimization, 2016, 54, 449-468.	3.5	13
353	A new crossover mechanism for genetic algorithms with variable-length chromosomes for path optimization problems. Expert Systems With Applications, 2016, 60, 183-189.	7.6	56
354	An elitist non-dominated sorting bat algorithm NSBAT-II for multi-objective optimization of phthalic anhydride reactor. International Journal of Systems Assurance Engineering and Management, 2016, 7, 299-315.	2.4	17
355	Centralized and Localized Data Congestion Control Strategy for Vehicular Ad Hoc Networks Using a Machine Learning Clustering Algorithm. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 3275-3285.	8.0	147
356	Evaluating clustering methods within the Artificial Ecosystem Algorithm and their application to bike redistribution in London. BioSystems, 2016, 146, 43-59.	2.0	2
357	Rational and self-adaptive evolutionary extreme learning machine for electricity price forecast. Memetic Computing, 2016, 8, 223-233.	4.0	28
358	QoE-aware Optimization of Video Stream Downlink Scheduling Over LTE Networks Using RNNs and Genetic Algorithm. Procedia Computer Science, 2016, 94, 232-239.	2.0	13
359	The problem of ranking CO_2 abatement measures: A methodological proposal. Sustainable Cities and Society, 2016, 26, 306-317.	10.4	12
360	Optimal scheduling of water-supply pump stations based on improved adaptive genetic algorithm. , 2016, , .		3
361	Solving lecture time tabling problem using GA. , 2016, , .		1
362	Ship-noise based geoacoustic inversion via particle filtering of vertical specific acoustic impedance. , 2016, , .		1
363	GPU-Aware Genetic Estimation of Hidden Markov Models for Workload Classification Problems. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
364	Collective Personalized Change Classification With Multiobjective Search. IEEE Transactions on Reliability, 2016, 65, 1810-1829.	4.6	33
365	Communication Converging towards Adaptive Intelligence: A Survey. , 2016, , .		1
366	A reasoning system about knowledge extraction in human-computer interaction. , 2016, , .		1
367	The Influences of Destruction Effects of Earthquake Faults on the Dynamic Stability of Highway Slopes. Geotechnical and Geological Engineering, 2016, 34, 1513-1523.	1.7	5
368	The determinants of crowdfunding success: A semantic text analytics approach. Decision Support Systems, 2016, 91, 67-76.	5.9	152
369	A new heuristic for influence maximization in social networks. Logic Journal of the IGPL, 2016, 24, 996-1014.	1.5	3
370	Modeling the change in particle size distribution in a gas-solid fluidized bed due to particle attrition using a hybrid artificial neural network-genetic algorithm approach. Chemical Engineering Science, 2016, 155, 210-220.	3.8	26
371	Parameter tuning of PID controller with reactive nature-inspired algorithms. Robotics and Autonomous Systems, 2016, 84, 64-75.	5.1	69
372	Maximum power point tracking in photovoltaic (PV) systems: A review of different approaches. Renewable and Sustainable Energy Reviews, 2016, 65, 1127-1138.	16.4	128
373	An evolutionary strategy based on partial imitation for solving optimization problems. Physica A: Statistical Mechanics and Its Applications, 2016, 463, 262-269.	2.6	5
374	Removing mismatches for retinal image registration via multi-attribute-driven regularized mixture model. Information Sciences, 2016, 372, 492-504.	6.9	17
375	Optimum Design of Laterally Supported Castellated Beams Using Natural Forest Regeneration Algorithm. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2016, 40, 195-207.	1.9	11
376	Simplified swarm optimization for repairable redundancy allocation problem in multi-state systems with bridge topology. , 2016, , .		1
377	What Security Questions Do Developers Ask? A Large-Scale Study of Stack Overflow Posts. Journal of Computer Science and Technology, 2016, 31, 910-924.	1.5	146
378	PDoublePop: An implementation of parallel genetic algorithm for function optimization. Computer Physics Communications, 2016, 209, 183-189.	7.5	17
379	An efficient hybrid approach using differential evolution and flower pollination algorithm. , 2016, , .		4
380	Feature Selection for Adaptive Decision Making in Big Data Analytics. , 2016, , 269-292.		1
381	Flow based power efficient routing for software defined networks. , 2016, , .		0

#	Article	IF	Citations
382	Optimization of biodiesel percentage in fuel mixture and engine operating conditions for diesel engine performance and emission characteristics by Artificial Bees Colony Algorithm. Fuel, 2016, 184, 518-526.	6.4	44
383	Fault detection of chiller based on improved KPCA. , 2016, , .		4
384	Novel Heuristic Algorithm for Large-scale Complex Optimization. Procedia Computer Science, 2016, 80, 744-751.	2.0	3
385	GOOD: Genetic ordering of documents. , 2016, , .		0
386	A Novel Hybrid CS-BFO Algorithm for Optimal Multilevel Image Thresholding Using Edge Magnitude Information. , 2016, , 53-85.		1
387	Combined holt-winters and GA trained ANN approach for sensor validation and reconstruction: Application to water demand flowmeters. , 2016, , .		4
388	Power sources coordination through multivariable linear parameterâ€varying/ control with application to multiâ€source electric vehicles. IET Control Theory and Applications, 2016, 10, 2049-2059.	2.1	24
389	Residential building design optimisation using sensitivity analysis and genetic algorithm. Energy and Buildings, 2016, 133, 853-866.	6.7	99
390	Clustering Analysis in Wireless Sensor Networks: The Ambit of Performance Metrics and Schemes Taxonomy. International Journal of Distributed Sensor Networks, 2016, 12, 4979142.	2.2	60
391	Estimation of battery parameters of the equivalent circuit model using Grey Wolf Optimization. , 2016, , .		12
392	Accelerated modified big bang big crunch optimization based on evolution of universe. , 2016, , .		1
394	Integrated particle swarm optimization variants for economic load dispatch problem. , 2016, , .		1
395	Estimation of optimal li-ion battery parameters considering c-rate, SOC and temperature. , 2016, , .		4
396	Schedulability-guided exploration of multi-core systems. , 2016, , .		5
397	Gene masking - a technique to improve accuracy for cancer classification with high dimensionality in microarray data. BMC Medical Genomics, 2016, 9, 74.	1.5	7
398	Indirect training of Gray-Box Models using LS-SVM and genetic algorithms. , 2016, , .		0
399	Genetic Algorithm Based Parallel Matrix Factorization for Recommender Systems. , 2016, , .		0
400	Simultaneous Feature Selection and Cluster Analysis Using Genetic Algorithm. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
401	A Genetic Algorithm for Dynamic Cloud Application Brokerage. , 2016, , .		2
402	Hybrid artificial intelligence approach based on neural fuzzy inference model and metaheuristic optimization for flood susceptibilitgy modeling in a high-frequency tropical cyclone area using GIS. Journal of Hydrology, 2016, 540, 317-330.	5.4	275
403	Bioinformatics resources for pollen. Plant Reproduction, 2016, 29, 133-147.	2.2	6
404	Fully automated image segmentation for benthic resource assessment of poly-metallic nodules. Methods in Oceanography, 2016, 15-16, 78-89.	1.6	25
405	Controller hardware-in-loop testbed setup for multi-objective optimization based tuning of inverter controller parameters in a microgrid setting. , 2016, , .		3
406	Numerical modeling of TRIP steel in axial crashworthiness. International Journal of Plasticity, 2016, 84, 224-254.	8.8	28
407	Acquisition of a series of temperature-varied sample spectra to induce characteristic structural changes of components and selection of target-descriptive variables among them for multivariate analysis to improve accuracy. Applied Spectroscopy Reviews, 2016, 51, 718-734.	6.7	3
408	A Hybrid Wavelet Based–Approach and Genetic Algorithm to Detect Damage in Beam-Like Structures without Baseline Data. Experimental Mechanics, 2016, 56, 1411-1426.	2.0	7
409	A Joint Markov Random Field Approach for SAR Interferogram Filtering and Unwrapping. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 3016-3025.	4.9	9
410	Discharge forecasting using an Online Sequential Extreme Learning Machine (OS-ELM) model: A case study in Neckar River, Germany. Measurement: Journal of the International Measurement Confederation, 2016, 92, 433-445.	5.0	69
411	Two-machine flow shop scheduling integrated with preventive maintenance planning. International Journal of Systems Science, 2016, 47, 672-690.	5.5	22
412	A novel hybrid SA/GA algorithm for solving an integrated cell formation–job scheduling problem with sequence-dependent set-up times. International Journal of Management Science and Engineering Management, 2016, 11, 134-142.	3.1	10
413	Surrogate modeling based on an adaptive network and granular computing. Soft Computing, 2016, 20, 1549-1563.	3.6	10
414	Dolphin monitoring for enhancing metaheuristic algorithms: Layout optimization of braced frames. Computers and Structures, 2016, 165, 1-9.	4.4	20
415	Combination of Expert Knowledge and a Genetic Fuzzy Inference System for Automatic Sleep Staging. IEEE Transactions on Biomedical Engineering, 2016, 63, 2108-2118.	4.2	17
416	An Ensemble of Neuro-Fuzzy Model for Assessing Risk in Cloud Computing Environment. Advances in Intelligent Systems and Computing, 2016, , 27-36.	0.6	2
417	Wake effect modeling: A review of wind farm layout optimization using Jensen×³s model. Renewable and Sustainable Energy Reviews, 2016, 58, 1048-1059.	16.4	233
418	Artificial intelligence based cognitive routing for cognitive radio networks. Artificial Intelligence Review, 2016, 45, 25-96.	15.7	49

#	Article	IF	Citations
419	A multi-machine multi-product EPQ problem for an imperfect manufacturing system considering utilization and allocation decisions. Expert Systems With Applications, 2016, 56, 310-319.	7.6	38
420	Determination of Event Patterns for Complex Event Processing Using Fuzzy Unordered Rule Induction Algorithm with Multi-objective Evolutionary Feature Subset Selection. , 2016, , .		12
421	Algorithmic Agency in Information Systems: Research Opportunities for Data Analytics of Digital Traces. , 2016, , .		2
422	Genetic algorithms in wireless networking: techniques, applications, and issues. Soft Computing, 2016, 20, 2467-2501.	3.6	73
423	Discovery of neuroprotective compounds by machine learning approaches. RSC Advances, 2016, 6, 9857-9871.	3.6	27
424	Optimising the time-based design structure matrix using a divide and hybridise algorithm. Journal of Engineering Design, 2016, 27, 306-332.	2.3	6
425	Bundle Block Detection Using Genetic Neural Network. Advances in Intelligent Systems and Computing, 2016, , 309-317.	0.6	14
426	An evolutionary approach for combining results of recommender systems techniques based on collaborative filtering. Expert Systems With Applications, 2016, 53, 204-218.	7.6	60
427	Neuro-genetic system for optimization of GMI samples sensitivity. Neural Networks, 2016, 75, 141-149.	5.9	1
428	Ensemble of Heterogeneous Flexible Neural Tree for the Approximation and Feature-Selection of Poly (Lactic-co-glycolic Acid) Micro- and Nanoparticle. Advances in Intelligent Systems and Computing, 2016, , 155-165.	0.6	4
429	Perfluorooctanoic Acid Degradation Using UVâ€"Persulfate Process: Modeling of the Degradation and Chlorate Formation. Environmental Science & Technology, 2016, 50, 772-781.	10.0	294
430	Investigating the mechanisms of bioconcentration through QSAR classification trees. Environment International, 2016, 88, 198-205.	10.0	32
431	Attention-Based User Interface Design for a Tele-Operated Crane. Journal of Computing in Civil Engineering, 2016, 30, .	4.7	36
432	Multi-objective grey wolf optimizer: A novel algorithm for multi-criterion optimization. Expert Systems With Applications, 2016, 47, 106-119.	7.6	1,080
433	Evaluation of the response surface and hybrid artificial neural network-genetic algorithm methodologies to determine extraction yield of Ferulago angulata through supercritical fluid. Journal of the Taiwan Institute of Chemical Engineers, 2016, 60, 165-173.	5.3	87
434	Cost-effective optimal allocation and sizing of active power filters using a new fuzzy-MABICA method. IETE Journal of Research, 2016, 62, 307-322.	2.6	9
435	A Survey of Data Mining and Machine Learning Methods for Cyber Security Intrusion Detection. IEEE Communications Surveys and Tutorials, 2016, 18, 1153-1176.	39.4	1,775
436	Automatic network clustering via density-constrained optimization with grouping operator. Applied Soft Computing Journal, 2016, 38, 606-616.	7.2	19

#	Article	IF	Citations
437	Metaheuristic algorithms and probabilistic behaviour: a comprehensive analysis of Ant Colony Optimization and its variants. Artificial Intelligence Review, 2016, 45, 97-130.	15.7	38
438	Across neighborhood search for numerical optimization. Information Sciences, 2016, 329, 597-618.	6.9	90
439	Cooperation and collapse in a communal livestock production SES model â€" A case from South Africa. Environmental Modelling and Software, 2016, 75, 402-413.	4.5	30
440	LÃ©vy flight artificial bee colony algorithm. International Journal of Systems Science, 2016, 47, 2652-2670.	5.5	69
441	Lying generators: manipulability of centralized payoff mechanisms in electrical energy trade. Central European Journal of Operations Research, 2016, 24, 923-937.	1.8	0
442	I-Ching Divination Evolutionary Algorithm and its Convergence Analysis. IEEE Transactions on Cybernetics, 2017, 47, 2-13.	9.5	189
443	Optimal speed control of a multiple-mass train for minimum energy consumption using ant colony and genetic algorithms. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2017, 231, 280-294.	2.0	16
444	Swarm and evolutionary computing algorithms for system identification and filter design: A comprehensive review. Swarm and Evolutionary Computation, 2017, 32, 68-84.	8.1	66
445	Modeling flocks with perceptual agents from a dynamicist perspective. Computer Animation and Virtual Worlds, 2017, 28, e1676.	1.2	1
446	Optimization and modeling of preconcentration and determination of dyes based on ultrasound assisted-dispersive liquidâ€"liquid microextraction coupled with derivative spectrophotometry. Ultrasonics Sonochemistry, 2017, 34, 27-36.	8.2	71
447	Multi-objective optimization for the geometry of trapezoidal corrugated morphing skins. Structural and Multidisciplinary Optimization, 2017, 55, 331-345.	3.5	16
448	Sustainability-induced dual-level optimization of additive manufacturing process. International Journal of Advanced Manufacturing Technology, 2017, 88, 1945-1959.	3.0	38
449	An integrated method of associative classification and neuro-fuzzy approach for effective mammographic classification. Neural Computing and Applications, 2017, 28, 3967-3980.	5.6	22
450	A novel fuzzy K-nearest neighbor inference model with differential evolution for spatial prediction of rainfall-induced shallow landslides in a tropical hilly area using GIS. Landslides, 2017, 14, 1-17.	5.4	103
451	Performance of tuned tandem mass dampers for structures under the ground acceleration. Structural Control and Health Monitoring, 2017, 24, e1974.	4.0	26
452	A differential evolution algorithm for finding the median ranking under the Kemeny axiomatic approach. Computers and Operations Research, 2017, 82, 126-138.	4.0	29
453	Reducing false arrhythmia alarm rates using robust heart rate estimation and cost-sensitive support vector machines. Physiological Measurement, 2017, 38, 259-271.	2.1	9
454	Can big data tame a â€œnaughtyâ€•world?. Canadian Geographer / Geographie Canadien, 2017, 61, 52-63.	1.5	21

#	Article	IF	Citations
455	Multi-Objective Design Optimization of Precoolers for Hypersonic Airbreathing Propulsion. Journal of Thermophysics and Heat Transfer, 2017, 31, 421-433.	1.6	13
456	Comparisons of several variants of continuous quantum-inspired evolutionary algorithms. Journal of Experimental and Theoretical Artificial Intelligence, 2017, 29, 869-909.	2.8	4
457	Comparative design of plug and recirculation RO systems; thermoeconomic: Case study. Energy, 2017, 121, 205-219.	8.8	17
458	An improved multi-objective optimization method based on adaptive mutation particle swarm optimization and fuzzy statistics algorithm. Journal of Statistical Computation and Simulation, 2017, 87, 2480-2493.	1.2	3
459	Application of Fractional Order Controllers on Experimental and Simulation Model of Hydraulic Servo System. Studies in Computational Intelligence, 2017, , 277-324.	0.9	8
460	Optimizing thin client caches for mobile cloud computing:. Concurrency Computation Practice and Experience, 2017, 29, e4048.	2.2	6
461	Partial discharges and noise separation using spectral power ratios and genetic algorithms. IEEE Transactions on Dielectrics and Electrical Insulation, 2017, 24, 31-38.	2.9	17
462	Metaheuristic design of feedforward neural networks: A review of two decades of research. Engineering Applications of Artificial Intelligence, 2017, 60, 97-116.	8.1	373
463	Two-phase network generation towards within-network classifiers evaluation. Knowledge-Based Systems, 2017, 120, 173-185.	7.1	0
464	Ensemble feature selection using bi-objective genetic algorithm. Knowledge-Based Systems, 2017, 123, 116-127.	7.1	127
465	Empirical comparison of level-wise hierarchical multi-population genetic algorithm. Journal of Information and Telecommunication, 2017, 1, 66-78.	2.8	7
466	Evolutionary multi-objective fault diagnosis of power transformers. Swarm and Evolutionary Computation, 2017, 36, 62-75.	8.1	62
467	Scheduling a tempered glass manufacturing system: a three-stage hybrid flow shop model. International Journal of Production Research, 2017, 55, 6084-6107.	7.5	14
468	Homeostasis mutation based differential evolution algorithm. Journal of Intelligent and Fuzzy Systems, 2017, 32, 3525-3537.	1.4	10
469	Thermoeconomic Optimization and Comparison of Plate-Fin Heat Exchangers Using Louver, Offset Strip, Triangular and Rectangular Fins Applied in 200â€‰kW Microturbines. Journal of Heat Transfer, 2017, 139, .	2.1	12
470	Hybrid Taguchi-cuckoo search algorithm for optimization of a compliant focus positioning platform. Applied Soft Computing Journal, 2017, 57, 526-538.	7.2	48
471	Pareto-optimal multi-objective dimensionality reduction deep auto-encoder for mammography classification. Computer Methods and Programs in Biomedicine, 2017, 145, 85-93.	4.7	24
472	Characterizing malicious Android apps by mining topic-specific data flow signatures. Information and Software Technology, 2017, 90, 27-39.	4.4	30

#	Article	IF	Citations
473	An Integrated Intelligent System for IoT Device Selection and Placement in Opportunistic Networks Using Fuzzy Logic and Genetic Algorithm. , 2017, , .		10
474	A variant of environmental adaptation method with real parameter encoding and its application in economic load dispatch problem. Applied Intelligence, 2017, 47, 409-429.	5.3	19
475	Multi objective optimization of rotorcraft compact spinning system using fuzzy-genetic model. Journal of the Textile Institute, 2017, 108, 2166-2172.	1.9	9
476	Proactive Radio Resource Optimization With Margin Prediction: A Data Mining Approach. IEEE Transactions on Vehicular Technology, 2017, 66, 9050-9060.	6.3	17
477	FEATURE SELECTION OF VARIOUS LAND COVER INDICES FOR MONITORING SURFACE HEAT ISLAND IN TEHRAN CITY USING LANDSAT 8 IMAGERY. Journal of Environmental Engineering and Landscape Management, 2017, 25, 241-250.	1.0	8
478	Review of optimization techniques applied for the integration of distributed generation from renewable energy sources. Renewable Energy, 2017, 113, 266-280.	8.9	364
479	Estimation of gravityâ€wave parameters to alleviate the delay in the Antarctic vortex breakup in general circulation models. Quarterly Journal of the Royal Meteorological Society, 2017, 143, 2157-2167.	2.7	9
480	A genetic algorithm optimized Morlet wavelet artificial neural network to study the dynamics of nonlinear Troeschâ€™s system. Applied Soft Computing Journal, 2017, 56, 420-435.	7.2	44
481	Logistics planning for hospital pharmacy trusteeship under a hybrid of uncertainties. Transportation Research, Part E: Logistics and Transportation Review, 2017, 101, 201-215.	7.4	10
482	An efficient fault diagnosis method for PV systems following string current. Journal of Cleaner Production, 2017, 154, 220-232.	9.3	42
483	A probabilistic approach to event log completeness. Expert Systems With Applications, 2017, 80, 263-272.	7.6	5
484	Economic production quantity model with imperfect products and random order frequency under due date and limited storage capacity. Journal of Industrial and Production Engineering, 2017, 34, 344-361.	3.1	5
485	An agent-based model for understanding the influence of the 11-M terrorist attacks on the 2004 Spanish elections. Knowledge-Based Systems, 2017, 123, 200-216.	7.1	37
486	A novel interval type-2 fractional order fuzzy PID controller: Design, performance evaluation, and its optimal time domain tuning. ISA Transactions, 2017, 68, 251-275.	5.7	90
487	Constitutive parameter identification: An application of inverse analysis to the flow of cement-based suspensions in the fresh state from synthetic data. Journal of Non-Newtonian Fluid Mechanics, 2017, 241, 14-25.	2.4	2
488	X-ray diffraction data-assisted structure searches. Computer Physics Communications, 2017, 213, 40-45.	7.5	30
489	Cell formation in a cellular manufacturing system using simulation integrated hybrid genetic algorithm. Computers and Industrial Engineering, 2017, 105, 123-135.	6.3	57
490	Learned Action SLAM: Sharing SLAM through learned path planning information between heterogeneous robotic platforms. Applied Soft Computing Journal, 2017, 50, 313-326.	7.2	12

#	Article	IF	Citations
491	Coupling novelty and surprise for evolutionary divergence. , 2017, , .		5
492	The Random Forest Based Detection of Shadowsock's Traffic. , 2017, , .		13
493	Sizing and placement of battery-coupled distributed photovoltaic generations. Journal of Renewable and Sustainable Energy, 2017, 9, 053501.	2.0	13
494	A novel data reduction method based on information theory and the Eclectic Genetic Algorithm. Intelligent Data Analysis, 2017, 21, 803-826.	0.9	1
495	Chaotic symbiotic organisms search for task scheduling optimization on cloud computing environment. , 2017, , .		11
496	Assessing strategies for protecting transportation infrastructure from an uncertain climate future. Transportation Research, Part A: Policy and Practice, 2017, 105, 27-41.	4.2	13
497	Effects of coupling anisotropic yield functions with the optimization process of extruded aluminum front rail geometries in crashworthiness. International Journal of Solids and Structures, 2017, 128, 174-198.	2.7	27
498	Big data and complexity: Is macroeconomics heading toward a new paradigm?. Journal of Economic Methodology, 2017, 24, 410-429.	1.4	9
499	A novel multi-swarm particle swarm optimization with dynamic learning strategy. Applied Soft Computing Journal, 2017, 61, 832-843.	7.2	106
500	FRDPC subspace construction integrated with Bayesian inference for efficient monitoring of dynamic chemical processes. , 2017, , .		0
501	Diagnosis of disturbance in distillation process based on inversion method. Asia-Pacific Journal of Chemical Engineering, 2017, 12, 798-812.	1.5	0
502	Hybrid invasive weed/biogeography-based optimization. Engineering Applications of Artificial Intelligence, 2017, 64, 213-231.	8.1	33
503	Optimal capacitor placement and sizing considering load profile variations using moth-flame optimization algorithm. , 2017, , .		8
504	CGACLC: Improving genetic algorithm through clustering for designing of combinational logic circuits. , 2017, , .		0
505	Salp Swarm Algorithm: A bio-inspired optimizer for engineering design problems. Advances in Engineering Software, 2017, 114, 163-191.	3.8	3,369
506	Optimal Set of Overlapping Clusters Using Multi-objective Genetic Algorithm. , 2017, , .		9
507	A novel method for estimating the common signals for consensus across multiple ranked lists. Computational Statistics and Data Analysis, 2017, 115, 122-135.	1.2	7
508	Data mining and machine learning for identifying sweet spots in shale reservoirs. Expert Systems With Applications, 2017, 88, 435-447.	7.6	65

#	Article	IF	Citations
509	Fuzzy Linguistic Summarization with Genetic Algorithm: An Application with Operational and Financial Healthcare Data. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2017, 25, 599-620.	1.9	9
510	Island-cellular model differential evolution for large-scale global optimization. , 2017, , .		3
511	Optimization of problems with multiple objectives using the multi-verse optimization algorithm. Knowledge-Based Systems, 2017, 134, 50-71.	7.1	230
512	General Motor Family Flexibility Design Based on NICA-II. Procedia Manufacturing, 2017, 10, 92-99.	1.9	0
513	Optimal parameter estimation of battery model for pivotal automotive battery management system. , 2017, , .		2
514	Generation of temporal–spatial Bezier curve for simultaneous arrival of multiple unmanned vehicles. Information Sciences, 2017, 418-419, 34-45.	6.9	10
515	Design of broadband polarization-independent multilayer dielectric grating. Proceedings of SPIE, 2017, , .	0.8	0
516	Approximate Quantum Adders with Genetic Algorithms: An IBM Quantum Experience. Quantum Measurements and Quantum Metrology, 2017, 4, 1-7.	3.3	44
517	Cyclic job shop robotic cell scheduling problem: Ant colony optimization. Computers and Industrial Engineering, 2017, 111, 417-432.	6.3	29
518	A computational multi-objective optimization method to improve energy efficiency and thermal comfort in dwellings. Energy and Buildings, 2017, 154, 283-294.	6.7	99
519	On comparison of tuning method of FOPID controller for controlling field controlled DC servo motor. Cogent Engineering, 2017, 4, 1357875.	2.2	14
520	Strength in Numbers: Using Big Data to Simplify Sentiment Classification. Big Data, 2017, 5, 256-271.	3.4	2
521	Large-Scale and Adaptive Service Composition Using Deep Reinforcement Learning. Lecture Notes in Computer Science, 2017, , 383-391.	1.3	11
522	3D reconstruction of surface cracks using bi-frequency eddy current images and a direct semi-analytic model. Journal of Physics: Conference Series, 2017, 904, 012019.	0.4	1
523	A multivariate feature selection framework for high dimensional biomedical data classification. , 2017, , .		3
524	A Comparative Performance Evaluation of Supervised Feature Selection Algorithms on Microarray Datasets. Procedia Computer Science, 2017, 115, 209-217.	2.0	42
525	Scientific Advances on Consciousness. Lecture Notes in Computer Science, 2017, , 272-281.	1.3	0
526	A Computational Method of Defining Potential Biomarkers based on Differential Sub-Networks. Scientific Reports, 2017, 7, 14339.	3.3	14

#	Article	IF	Citations
527	Parameter estimation of nonlinear nitrate prediction model using genetic algorithm. , 2017, , .		2
528	Solution of the Inverse Bioheat Transfer Problem for the Detection of Tumors by Genetic Algorithms. Lecture Notes in Computer Science, 2017, , 441-452.	1.3	1
529	Development and Demonstration of Routing and Placement EDA Tools for Large-Scale Adiabatic Quantum-Flux-Parametron Circuits. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-9.	1.7	23
530	Applying automatic heuristic-filtering to improve hyper-heuristic performance. , 2017, , .		2
531	A novel quantum-behaved particle swarm optimization with random selection for large scale optimization. , 2017, , .		6
532	Design, Analysis, and Multicriteria Optimization of an Overground Pediatric Robotic Gait Trainer. IEEE/ASME Transactions on Mechatronics, 2017, 22, 1674-1684.	5.8	13
533	Combinatorial Optimization in Cryptography. , 2017, , .		8
534	Robust Parameter Design and Analysis of a Leaf Compliant Joint for Micropositioning Systems. Arabian Journal for Science and Engineering, 2017, 42, 4811-4823.	3.0	17
535	Use of ubiquitous probe vehicle data for identifying secondary crashes. Transportation Research Part C: Emerging Technologies, 2017, 82, 138-160.	7.6	34
536	Breeding Robots to Learn How to Rule Complex Systems. Advances in Intelligent Systems and Computing, 2017, , 137-142.	0.6	4
537	Where Does My Brand End? An Overlapping Community Approach. Proceedings in Adaptation, Learning and Optimization, 2017, , 133-148.	1.6	3
538	Differential Evolution with Landscape-Based Operator Selection for Solving Numerical Optimization Problems. Proceedings in Adaptation, Learning and Optimization, 2017, , 371-387.	1.6	5
539	An effective change recommendation approach for supplementary bug fixes. Automated Software Engineering, 2017, 24, 455-498.	2.9	21
540	Homogenization of Daily Temperature Data. Journal of Climate, 2017, 30, 985-999.	3.2	14
541	Concurrently Wireless Charging Sensor Networks with Efficient Scheduling. IEEE Transactions on Mobile Computing, 2017, 16, 2450-2463.	5.8	44
542	Methods for variable selection in LiDAR-assisted forest inventories. Forestry, 2017, 90, 112-124.	2.3	28
543	Building Agent-Based Decision Support Systems for Word-of-Mouth Programs: A Freemium Application. Journal of Marketing Research, 2017, 54, 752-767.	4.8	68
544	A new approach for internet traffic classification: GA-WK-ELM. Measurement: Journal of the International Measurement Confederation, 2017, 95, 135-142.	5.0	51

#	Article	IF	Citations
545	Feature weighting and SVM parameters optimization based on genetic algorithms for classification problems. Applied Intelligence, 2017, 46, 455-469.	5.3	93
546	Model-Driven Analysis of Eyeblink Classical Conditioning Reveals the Underlying Structure of Cerebellar Plasticity and Neuronal Activity. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 2748-2762.	11.3	27
547	Application of STATCOM for MVDC shipboard power system. , 2017, , .		2
548	Quantum genetic algorithm with rotation angle refinement for dependent task scheduling on distributed systems. , 2017, , .		10
549	An exploratory analysis of security on data transmission on relevant software engineering discussion sites. , 2017, , .		2
550	A comparative study on innovative approaches for privacy-preservation in knowledge discovery. , 2017, , .		4
551	Construction of cyber-physical system–integrated smart manufacturing workshops: A case study in automobile industry. Advances in Mechanical Engineering, 2017, 9, 168781401773324.	1.6	24
552	Chaos-enhanced flower pollination algorithms for global optimization. Journal of Intelligent and Fuzzy Systems, 2017, 33, 3853-3869.	1.4	17
553	Physarum-energy optimization algorithm. Soft Computing, 2019, 23, 871.	3.6	6
554	How Spam Features Change in Twitter and the Impact to Machine Learning Based Detection. Lecture Notes in Computer Science, 2017, , 898-904.	1.3	2
555	A reliable weighted feature selection for auto medical diagnosis. , 2017, , .		3
556	Evolutionary local improvement on genetic algorithms for feature selection. , 2017, , .		1
557	Chemical Reaction Optimization Metaheuristic for Solving Association Rule Mining Problem. , 2017, , .		4
558	Computer Aided Diagnosis for Breast Diseases Based on Infrared Images. , 2017, , .		10
559	Soft sensors of nonlinear industrial processes based on self-learning kernel regression model. , 2017, , .		1
560	A boosting approach for prediction of protein-RNA binding residues. BMC Bioinformatics, 2017, 18, 465.	2.6	36
561	A novel clustering algorithm based on fitness proportionate sharing. , 2017, , .		7
562	Evolutionary cost-optimal composition synthesis of modular robots considering a given task. , 2017, , .		10

#	Article	IF	Citations
563	PA VIF: A passive aggressive visual information fidelity for full reference image quality assessment. , 2017, , .		0
564	A sequential multi-objective robust optimization approach under interval uncertainty based on support vector machines. , 2017, , .		2
565	BestConfig. , 2017, , .		134
566	Survey on artificial intelligence for additive manufacturing. , 2017, , .		25
567	Mining constraints for event-based monitoring in systems of systems. , 2017, , .		5
568	Optimized design of six-wave fiber optical parametric amplifiers by using a genetic algorithm. Applied Optics, 2017, 56, 4406.	2.1	4
569	Graphene-based near-field optical microscopy: high-resolution imaging using reconfigurable gratings. Applied Optics, 2017, 56, 3132.	2.1	11
570	Proton–proton and proton–antiproton differential elastic cross sections modeling at high and ultra-high energies using a hybrid computing paradigm. Turkish Journal of Physics, 2017, 41, 426-435.	1.1	1
571	Optimal Combinations of Non-Sequential Regressors for ARX-Based Typhoon Inundation Forecast Models Considering Multiple Objectives. Water (Switzerland), 2017, 9, 519.	2.7	3
572	EBCRO: Hybrid chemical reaction with employed bee operator. , 2017, , .		0
573	Discrete invasive weed optimization algorithm for traveling salesman problems. , 2017, , .		0
574	A Genetic Algorithm Based Approach for Solving the Minimum Dominating Set of Queens Problem. Journal of Optimization, 2017, 2017, 1-8.	6.0	9
575	Comparative Analysis of Classifiers for Classification of Emergency Braking of Road Motor Vehicles. Algorithms, 2017, 10, 129.	2.1	5
576	Multi-Fidelity Multi-Objective Efficient Global Optimization Applied to Airfoil Design Problems. Applied Sciences (Switzerland), 2017, 7, 1318.	2.5	21
577	Cross Entropy Method Based Hybridization of Dynamic Group Optimization Algorithm. Entropy, 2017, 19, 533.	2.2	15
578	Hidden markov model optimized by PSO algorithm for gene sequence clustering. , 2017, , .		0
579	Determination of Damage in Reinforced Concrete Frames with Shear Walls Using Self-Organizing Feature Map. Applied Computational Intelligence and Soft Computing, 2017, 2017, 1-10.	2.3	19
580	Pareto Optimization of a Half Car Passive Suspension Model Using a Novel Multiobjective Heat Transfer Search Algorithm. Modelling and Simulation in Engineering, 2017, 2017, 1-17.	0.7	8

#	ARTICLE	IF	CITATIONS
581	Estimation of Distribution Algorithm Using Correlation between Binary Elements: A New Binary-Code Metaheuristic. Mathematical Problems in Engineering, 2017, 2017, 1-15.	1.1	0
582	Polarization-independent broadband beam combining grating with over 98% measured diffraction efficiency from 1023 to 1080 â€‰â€‰nm. Optics Letters, 2017, 42, 4016.	3.3	18
583	Optimal experimental conditions for Welan gum production by support vector regression and adaptive genetic algorithm. PLoS ONE, 2017, 12, e0185942.	2.5	5
584	Protocol vulnerability detection based on network traffic analysis and binary reverse engineering. PLoS ONE, 2017, 12, e0186188.	2.5	14
585	A cost-effective cloud leasing policy for live streaming applications. Wuhan University Journal of Natural Sciences, 2017, 22, 477-481.	0.4	0
586	A forecasting method of air conditioning energy consumption based on extreme learning machine algorithm. , 2017, , .		4
587	Object tracking in videos by evolutionary clustering and locally linear neuro-fuzzy models. Tehnicki Vjesnik, 2017, 24, .	0.2	0
588	Uncertainty Quantification of Microstructureâ€"Governed Properties of Polysilicon MEMS. Micromachines, 2017, 8, 248.	2.9	20
589	Hybrid evolutionary optimisation with learning for production scheduling: state-of-the-art survey on algorithms and applications. International Journal of Production Research, 2018, 56, 193-223.	7.5	50
590	Topology-optimized dual-polarization Dirac cones. Physical Review B, 2018, 97, .	3.2	23
591	Social Network Community Detection and Hybrid Optimization for Dividing Water Supply into District Metered Areas. Journal of Water Resources Planning and Management - ASCE, 2018, 144, .	2.6	26
592	Hierarchical Solution of the Traveling Salesman Problem with Random Dyadic Tilings. Fluctuation and Noise Letters, 2018, 17, 1850003.	1.5	0
593	An interpretable health behavioral intervention policy for mobile device users. IBM Journal of Research and Development, 2018, 62, 4:1-4:6.	3.1	6
594	Gene clustering with hidden Markov model optimized by PSO algorithm. Pattern Analysis and Applications, 2018, 21, 1121-1126.	4.6	11
595	Data-driven optimized layout of battery electric vehicle charging infrastructure. Energy, 2018, 150, 735-744.	8.8	54
596	Reducing electric-field-enhancement in metal-dielectric grating by designing grating with asymmetric ridge. Scientific Reports, 2018, 8, 5228.	3.3	7
597	Speed Control of PMSM using nature-inspired algorithms. IEEE Latin America Transactions, 2018, 16, 677-685.	1.6	4
598	Recognition of protein allosteric states and residues: Machine learning approaches. Journal of Computational Chemistry, 2018, 39, 1481-1490.	3.3	25

#	Article	IF	Citations
599	The evolution of floral guides: using a genetic algorithm to investigate the evolution of floral cue arrangements. Biological Journal of the Linnean Society, 2018, 123, 739-753.	1.6	11
600	Optimized Clustering Techniques for Gait Profiling in Children with Cerebral Palsy for Rehabilitation. Computer Journal, 0, , .	2.4	0
601	Measurements of complex refractive index change of photoactive yellow protein over a wide wavelength range using hyperspectral quantitative phase imaging. Scientific Reports, 2018, 8, 3064.	3.3	10
602	Multi-objective ensemble forecasting with an application to power transformers. Applied Soft Computing Journal, 2018, 68, 233-248.	7.2	40
603	Control of the reactor core power in PWR using optimized PID controller with the real-coded GA. Annals of Nuclear Energy, 2018, 118, 107-121.	1.8	50
604	Grey wolf optimizer with cellular topological structure. Expert Systems With Applications, 2018, 107, 89-114.	7.6	114
605	Automated optimization of steel reinforcement in RC building frames using building information modeling and hybrid genetic algorithm. Automation in Construction, 2018, 90, 39-57.	9.8	63
606	Neuro-heuristics for nonlinear singular Thomas-Fermi systems. Applied Soft Computing Journal, 2018, 65, 152-169.	7.2	176
607	Classification of failure mode and prediction of shear strength for reinforced concrete beam-column joints using machine learning techniques. Engineering Structures, 2018, 160, 85-94.	5.3	205
608	Physics-Based Image Segmentation Using First Order Statistical Properties and Genetic Algorithm for Inductive Thermography Imaging. IEEE Transactions on Image Processing, 2018, 27, 2160-2175.	9.8	61
609	Al-Thocb HSC: a harmony search algorithm for automated calibration of industrial equipment. Machine Vision and Applications, 2018, 29, 525-541.	2.7	0
610	Meta-heuristic moth swarm algorithm for multilevel thresholding image segmentation. Multimedia Tools and Applications, 2018, 77, 23699-23727.	3.9	45
611	Expedite random structure searching using objects from Wyckoff positions. Journal of Chemical Physics, 2018, 148, 054101.	3.0	4
612	Toward optimal mapping of human dual-arm motion to humanoid motion for tasks involving contact with the environment. International Journal of Advanced Robotic Systems, 2018, 15, 172988141875737.	2.1	3
613	Automated Detection of Postictal Generalized EEG Suppression. IEEE Transactions on Biomedical Engineering, 2018, 65, 371-377.	4.2	31
614	Loser-Out Tournament-Based Fireworks Algorithm for Multimodal Function Optimization. IEEE Transactions on Evolutionary Computation, 2018, 22, 679-691.	10.0	75
615	Prediction of fracture density using genetic algorithm support vector machine based on acoustic logging data. Geophysics, 2018, 83, D49-D60.	2.6	30
617	Hybrid genetic dragonfly algorithm based optimal power flow for computing LMP at DG buses for reliability improvement. Energy Systems, 2018, 9, 709-757.	3.0	30

#	ARTICLE	IF	CITATIONS
618	Structure Optimization and Generalized Dynamics Control of Hybrid Electric Vehicles. , 2018, , 207-244.		1
619	Estimating Soil Hydraulic and Solute Transport Parameters in Subsurface Drainage Systems Using an Inverse Modelling Approach. Irrigation and Drainage, 2018, 67, 82-90.	1.7	5
620	Tripartite equilibrium strategy for a carbon tax setting problem in air passenger transport. Environmental Science and Pollution Research, 2018, 25, 8512-8531.	5.3	4
621	Robot life: simulation and participation in the study of evolution and social behavior. History and Philosophy of the Life Sciences, 2018, 40, 16.	1.1	2
622	Sensitivity-Based Parameter Calibration and Model Validation Under Model Error. Journal of Mechanical Design, Transactions of the ASME, 2018, 140, .	2.9	9
623	A hierarchy in mutation of genetic algorithm and its application to multi-objective analog/RF circuit optimization. Analog Integrated Circuits and Signal Processing, 2018, 94, 27-47.	1.4	5
624	Selection of HyspIRI optimal band positions for the earth compositional mapping using HyTES data. Remote Sensing of Environment, 2018, 206, 350-362.	11.0	8
625	Efficient Economic Profit Maximization: Genetic Algorithm Based Approach. Lecture Notes in Networks and Systems, 2018, , 307-318.	0.7	6
626	Dynamic Group Optimization Algorithm With Embedded Chaos. IEEE Access, 2018, 6, 22728-22743.	4.2	10
627	Is Evolutionary Computation Evolving Fast Enough?. IEEE Computational Intelligence Magazine, 2018, 13, 42-51.	3.2	7
628	Estimation of subsurface petrophysical properties using different stochastic algorithms in nonlinear regression analysis of pressure transients. Journal of Applied Geophysics, 2018, 154, 93-107.	2.1	7
629	A sensitivity analysis and multi-objective optimization to enhance ethylene production by oxidative dehydrogenation of ethane in a membrane-assisted reactor. Chinese Journal of Chemical Engineering, 2018, 26, 1879-1895.	3.5	10
630	Focus Group: An Optimization Algorithm Inspired by Human Behavior. International Journal of Computational Intelligence and Applications, 2018, 17, 1850002.	0.8	11
631	A survey of 2D shape representation: Methods, evaluations, and future research directions. Neurocomputing, 2018, 300, 1-16.	5.9	40
632	Owl search algorithm: A novel nature-inspired heuristic paradigm forÂglobal optimization. Journal of Intelligent and Fuzzy Systems, 2018, 34, 1573-1582.	1.4	101
633	Intelligent secondary control in smart microgrids: an on-line approach for islanded operations. Optimization and Engineering, 2018, 19, 917-936.	2.4	13
634	Chaotic enhanced colliding bodies algorithms for size optimization of truss structures. Acta Mechanica, 2018, 229, 2883-2907.	2.1	17
635	Comparison of a genetic algorithm to grammatical evolution for automated design of genetic programming classification algorithms. Expert Systems With Applications, 2018, 104, 213-234.	7.6	43

#	Article	IF	Citations
636	Toward Robotic Manipulation. Annual Review of Control, Robotics, and Autonomous Systems, 2018, 1, 1-28.	11.8	77
637	Debugging Nanoâ€"Bio Interfaces: Systematic Strategies to Accelerate Clinical Translation of Nanotechnologies. Trends in Biotechnology, 2018, 36, 755-769.	9.3	145
638	Clustering big IoT data by metaheuristic optimized mini-batch and parallel partition-based DGC in Hadoop. Future Generation Computer Systems, 2018, 86, 1395-1412.	7.5	32
639	Optimization of collision avoidance maneuver planning for cluster satellites in space debris explosion situation. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2018, 232, 407-422.	1.3	3
640	Nonlinear Shape-Manifold Learning Approach: Concepts, Tools and Applications. Archives of Computational Methods in Engineering, 2018, 25, 1-21.	10.2	21
641	Application of Genetic Programming (GP) Formalism for Building Disease Predictive Models from Protein-Protein Interactions (PPI) Data. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2018, 15, 27-37.	3.0	11
642	Artificial evolution using neuroevolution of augmenting topologies (NEAT) for kinetics study in diverse viscous mediums. Neural Computing and Applications, 2018, 29, 1337-1347.	5.6	1
643	A novel hybrid artificial intelligent approach based on neural fuzzy inference model and particle swarm optimization for horizontal displacement modeling of hydropower dam. Neural Computing and Applications, 2018, 29, 1495-1506.	5.6	86
644	Design and economic optimization of shell-and-tube heat exchanger using cohort intelligence algorithm. Neural Computing and Applications, 2018, 30, 111-125.	5.6	48
645	Genetic algorithms for the optimisation of the Schwartzâ€"Smith two-factor model: a case study on a copper deposit. International Journal of Mining, Reclamation and Environment, 2018, 32, 163-181.	2.8	6
646	Application of an adjoint-based optimization procedure for the optimal control of internal boundary conditions in the shallow water equations. Journal of Hydraulic Research/De Recherches Hydrauliques, 2018, 56, 111-123.	1.7	7
647	Designing a camera placement assistance system for human motion capture based on a guided genetic algorithm. Virtual Reality, 2018, 22, 13-23.	6.1	13
648	Inverse identification of the frequency-dependent mechanical parameters of viscoelastic materials based on the measured FRFs. Mechanical Systems and Signal Processing, 2018, 98, 816-833.	8.0	36
649	An improved double-population artificial bee colony algorithm based on heterogeneous comprehensive learning. Soft Computing, 2018, 22, 6489-6514.	3.6	4
650	Complex network measurement and optimization of Chinese domestic movies with internet of things technology. Computers and Electrical Engineering, 2018, 66, 246-259.	4.8	3
651	A modification of tree-seed algorithm using Debâ€™s rules for constrained optimization. Applied Soft Computing Journal, 2018, 63, 289-305.	7.2	68
652	Action-Selection Method for Reinforcement Learning Based on Cuckoo Search Algorithm. Arabian Journal for Science and Engineering, 2018, 43, 6771-6785.	3.0	31
653	Development of genetic programming-based model for predicting oyster norovirus outbreak risks. Water Research, 2018, 128, 20-37.	11.3	33

#	ARTICLE	IF	CITATIONS
654	An improved artificial bee colony algorithm and its application to reliability optimization problems. Applied Soft Computing Journal, 2018, 62, 736-767.	7.2	57
655	An opinion formation based binary optimization approach for feature selection. Physica A: Statistical Mechanics and Its Applications, 2018, 491, 142-152.	2.6	12
656	Opposition based learning: A literature review. Swarm and Evolutionary Computation, 2018, 39, 1-23.	8.1	250
657	Hybrid surrogate-model-based multi-fidelity efficient global optimization applied to helicopter blade design. Engineering Optimization, 2018, 50, 1016-1040.	2.6	34
658	Evolutionary computation algorithms for feature selection of EEG-based emotion recognition using mobile sensors. Expert Systems With Applications, 2018, 93, 143-155.	7.6	166
659	Enhancing Metaheuristic-Based Online Embedding in Network Virtualization Environments. IEEE Transactions on Network and Service Management, 2018, 15, 200-216.	4.9	11
660	Image reconstruction using simulated annealing in electrical impedance tomography: a new approach. Inverse Problems in Science and Engineering, 2018, 26, 834-854.	1.2	7
661	Fuel optimization strategy for hydrogen fuel cell range extender vehicles applying genetic algorithms. Renewable and Sustainable Energy Reviews, 2018, 81, 655-668.	16.4	105
663	Application of a Meta-heuristic Optimization Algorithm Motivated by a Vision Correction Procedure for Civil Engineering Problems. KSCE Journal of Civil Engineering, 2018, 22, 2623-2636.	1.9	5
664	Inverse discrete choice modelling: theoretical and practical considerations for imputing respondent attributes from the patterns of observed choices. Transportation Planning and Technology, 2018, 41, 58-79.	2.0	5
665	A novel cuckoo search strategy for automated cryptanalysis: a case study on the reduced complex knapsack cryptosystem. International Journal of Systems Assurance Engineering and Management, 2018, 9, 942-961.	2.4	11
666	Reliability-based design of Water Distribution Networks using Self-Adaptive Differential Evolution algorithm. ISH Journal of Hydraulic Engineering, 2018, 24, 198-212.	2.1	16
667	High-throughput Ant Colony Optimization on graphics processing units. Journal of Parallel and Distributed Computing, 2018, 113, 261-274.	4.1	25
668	Simultaneous ply-order, ply-number and ply-drop optimization of laminate wind turbine blades using the inverse finite element method. Composite Structures, 2018, 184, 894-903.	5.8	33
669	The bare bones fireworks algorithm: A minimalist global optimizer. Applied Soft Computing Journal, 2018, 62, 454-462.	7.2	82
670	Parallel Computing for Geocomputational Modeling. Advances in Geographic Information Science, 2018, , 37-54.	0.6	7
671	A genetic algorithm to optimize consistency ratio in AHP method for energy performance assessment of residential buildingsâ€"Application of top-down and bottom-up approaches in Algerian case study. Sustainable Cities and Society, 2018, 42, 622-636.	10.4	26
672	A Generalized Clustering Method Based on Validity Indices and Membership Functions. IEEE Access, 2018, 6, 75912-75923.	4.2	1

#	Article	IF	Citations
673	A Sequential Sampling Algorithm for Multistage Static Coverage Problems. Journal of Computing and Information Science in Engineering, 2018, 18, .	2.7	0
674	The application of artificial intelligence in electrical automation control. Journal of Physics: Conference Series, 2018, 1087, 062008.	0.4	9
675	Fast codebook design method for image vector quantisation. IET Image Processing, 2018, 12, 2311-2318.	2.5	1
676	A Heuristic Approach for Optimal Planning and Operation of Distribution Systems. Journal of Optimization, 2018, 2018, 1-19.	6.0	5
677	A Survey on Machine Learning Based Requirement Prioritization Techniques. , 2018, , .		3
678	Feature-Selection Based Data Prioritization in Mobile Traffic Prediction Using Machine Learning. , 2018, , .		12
679	Using Social Information to Compose a Similarity Function Based on Friends Attendance at Events. , 2018, , .		0
680	Parameter Tuning of a PID Controller with Reactive Bio-Inspired for PMSM. , 2018, , .		0
681	The Ethical Challenges of Applying Machine Learning and Artificial Intelligence in Cancer Care. , 2018, , .		3
682	Optimal PMU placement for small-signal stability assessment using Genetic algorithm. , 2018, , .		3
683	Discrete Firefly Algorithm: A New Metaheuristic Approach for Solving Constraint Satisfaction Problems. , 2018, , .		9
684	Quantisation Effects in Distributed Optimisation. , 2018, , .		4
685	A Genetic Algorithm Formulation for Rogue Taxa Problem. , 2018, , .		1
686	Automatic Tuning Methodology for Automotive Lean NOx Trap Catalyst Using Response Data. , 2018, , .		1
687	Optimization of warpage on front panel housing part using response surface methodology (RSM). AIP Conference Proceedings, 2018, , .	0.4	0
688	Investigating the performance of genetic algorithms selection method in estimating stand-level structural and biophysical variables of lowland dipterocarp forest from LiDAR data. IOP Conference Series: Earth and Environmental Science, 2018, 169, 012110.	0.3	0
689	A Machine Learning Approach to Prediction of Passenger Injuries on Real Road Situation. , 2018, , .		2
690	Metaheuristics and Chaos Theory. , 0, , .		11

#	Article	IF	Citations
691	Multi-objective optimization of water jet machining process using simple optimization algorithm(SOPT). Materials Today: Proceedings, 2018, 5, 19034-19042.	1.8	2
692	Solving Location Based Inventory Routing Problem in E-Commerce Using Ant Colony Optimization. Lecture Notes in Computer Science, 2018, , 557-566.	1.3	1
693	An efficient knowledge-based approach for random variation interpretation in NDVI time series. Environmental Earth Sciences, 2018, 77, 1.	2.7	2
694	A Novel IoT Authorization Architecture on Hyperledger Fabric With Optimal Consensus Using Genetic Algorithm. , 2018, , .		12
695	Clustering for Load Balancing and Energy Efficiency in IoT Applications. , 2018, , .		12
696	A Dynamic Generalized Opposition-Based Learning Fruit Fly Algorithm for Function Optimization. , 2018, , .		1
697	Modified Elephant Search Algorithm for Distribution of Snack Food in Thailand. , 2018, , .		0
698	Hyperspectral band selection using genetic algorithm and support vector machines for early identification of charcoal rot disease in soybean stems. Plant Methods, 2018, 14, 86.	4.3	105
699	An Artificial Bee Colony-Based Green Routing Mechanism in WBANs for Sensor-Based E-Healthcare Systems. Sensors, 2018, 18, 3268.	3.8	19
700	Use of Machine Learning (ML) for Predicting and Analyzing Ecological and â€˜Presence Onlyâ€™ Data: An Overview of Applications and a Good Outlook. , 2018, , 27-61.		9
701	Frequent Itemsets Mining with Chemical Reaction Optimization Metaheuristic. , 2018, , .		0
702	Barnacles Mating Optimizer: An Evolutionary Algorithm for Solving Optimization. , 2018, , .		23
703	High Fidelity Equivalent Circuit Model Parameter Extraction for Characterization and Simulation of Li-Ion Cells in Battery Electric Vehicles. Electric Power Components and Systems, 2018, 46, 1672-1685.	1.8	6
704	Elitism in intensity-based image registration. , 2018, , .		0
705	Machine Learningâ€"Based Reduce Order Crystal Plasticity Modeling for ICME Applications. Integrating Materials and Manufacturing Innovation, 2018, 7, 214-230.	2.6	36
706	Meta-Learning for Recommending Metaheuristics for the MaxSAT Problem. , 2018, , .		2
707	Optimization of Well Placement in Waterfloods With Optimal Control Theory Under Geological Uncertainty. , 2018, , .		11
708	Ant Colony Optimization based on Pareto optimality: application to a congested router controlled by PID regulation. Systems Science and Control Engineering, 2018, 6, 360-369.	3.1	2

#	Article	IF	Citations
709	Development of a Fractional-Order PID Controller Using Adaptive Weighted PSO and Genetic Algorithms With Applications. , 2018, , 511-551.		3
710	Conventional, Intelligent, and Fractional-Order Control Method for Maximum Power Point Tracking of a Photovoltaic System: A Review. , 2018, , 603-671.		11
711	Diabetes Detection Using Deep Neural Network. Communications in Computer and Information Science, 2018, , 225-231.	0.5	2
712	Computational Intelligence Techniques in Smart grid planning and operation: A Survey. , 2018, , .		2
713	Comparison of VCA and GAEE algorithms for Endmember Extraction. , 2018, , .		4
714	Efficient harmonic peak detection of vowel sounds for enhanced voice activity detection. IET Signal Processing, 2018, 12, 975-982.	1.5	4
715	A Hybrid Approach Based on LP Metric Method and Genetic Algorithm for the Vehicle-Routing Problem with Time Windows, Driver-Specific Times, and Vehicles-Specific Capacities. International Journal of Operations Research and Information Systems, 2018, 9, 51-67.	1.0	11
716	Model-based analysis of the autonomic response to head-up tilt testing in Brugada syndrome. Computers in Biology and Medicine, 2018, 103, 82-92.	7.0	8
717	What metaheuristic solves the economic dispatch faster? A comparative case study. Electrical Engineering, 2018, 100, 2825-2837.	2.0	7
718	Online Virtual Network Embedding Based on Virtual Links' Rate Requirements. IEEE Transactions on Network and Service Management, 2018, 15, 1630-1644.	4.9	11
719	Performance-based design optimization for minimal surface based form. Architectural Science Review, 2018, 61, 384-399.	2.2	9
720	Learning the Structure of Bayesian Networks: A Quantitative Assessment of the Effect of Different Algorithmic Schemes. Complexity, 2018, 2018, 1-12.	1.6	23
721	A new hybrid approach based on genetic algorithm for minimum vertex cover. , 2018, , .		6
722	Impact of Molecular Descriptors on Computational Models. Methods in Molecular Biology, 2018, 1825, 171-209.	0.9	34
723	Optimal Scheduling of Microgrid with Distributed Power Based on Water Cycle Algorithm. Energies, 2018, 11, 2381.	3.1	17
724	A two-phase multiobjective optimization for benchmarking and evaluating service quality in banks. International Journal of Intelligent Computing and Cybernetics, 2018, 11, 446-470.	2.7	2
725	A hybrid genetic algorithm for multi-depot vehicle routing problem with considering time window repair and pick-up. Journal of Modelling in Management, 2018, 13, 698-717.	1.9	7
726	Comparison of Handcrafted Features and Deep Learning in Classification of Medical X-ray Images. , 2018, , .		13

#	Article	IF	Citations
727	Coevolution of the Features of the Dynamics of the Accelerator Pedal and Hyperparameters of the Classifier for Emergency Braking Detection. Actuators, 2018, 7, 39.	2.3	0
728	Machine Intelligence in Healthcare and Medical Cyber Physical Systems: A Survey. IEEE Access, 2018, 6, 46419-46494.	4.2	48
729	A Cognitively Inspired Hybridization of Artificial Bee Colony and Dragonfly Algorithms for Training Multi-layer Perceptrons. Cognitive Computation, 2018, 10, 1096-1134.	5.2	45
730	A new stochastic computing paradigm for the dynamics of nonlinear singular heat conduction model of the human head. European Physical Journal Plus, 2018, 133, 1.	2.6	131
731	A meta-heuristic for topology optimization using probabilistic learning. Applied Intelligence, 2018, 48, 4267-4287.	5.3	5
732	A hybrid gene selection method for microarray recognition. Biocybernetics and Biomedical Engineering, 2018, 38, 975-991.	5.9	58
733	Gene Selection and Classification in Microarray Datasets using a Hybrid Approach of PCC-BPSO/GA with Multi Classifiers. Journal of Computer Science, 2018, 14, 868-880.	0.6	12
734	Orthogonalized lattice enumeration for solving SVP. Science China Information Sciences, 2018, 61, 1.	4.3	4
735	eXpression2Kinases (X2K) Web: linking expression signatures to upstream cell signaling networks. Nucleic Acids Research, 2018, 46, W171-W179.	14.5	127
736	Hydrogen Fuel Cell as Range Extender in Electric Vehicle Powertrains: Fuel Optimization Strategies. , 2018, , 359-383.		1
737	A comprehensive review on parameter estimation techniques for Proton Exchange Membrane fuel cell modelling. Renewable and Sustainable Energy Reviews, 2018, 93, 121-144.	16.4	127
738	Multiple-order permutation flow shop scheduling under process interruptions. International Journal of Advanced Manufacturing Technology, 2018, 97, 2781-2808.	3.0	17
739	Provisional-Ideal-Point-Based Multi-objective Optimization Method for Drone Delivery Problem. International Journal of Aeronautical and Space Sciences, 2018, 19, 262-277.	2.0	7
740	Metaheuristic methods applied to the pumps and turbines configuration design of water pumped storage systems. Journal of Energy Storage, 2018, 18, 196-205.	8.1	9
741	Detecting the bioaccumulation patterns of chemicals through data-driven approaches. Chemosphere, 2018, 208, 273-284.	8.2	14
742	Drug-Abuse Nanotechnology: Opportunities and Challenges. ACS Chemical Neuroscience, 2018, 9, 2288-2298.	3.5	7
743	Enhanced multi-objective particle swarm optimisation for estimating hand postures. Knowledge-Based Systems, 2018, 158, 175-195.	7.1	14
744	A Low-Power Fall Detector Balancing Sensitivity and False Alarm Rate. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 1929-1937.	6.3	26

#	Article	IF	Citations
745	A SVDD and K-Means Based Early Warning Method for Dual-Rotor Equipment under Time-Varying Operating Conditions. Shock and Vibration, 2018, 2018, 1-14.	0.6	9
746	MTLBO-MS: Modified teaching learning based optimization on multicore system. , 2018, , .		1
747	Prediction of Pathological Subjects Using Genetic Algorithms. Computational and Mathematical Methods in Medicine, 2018, 2018, 1-9.	1.3	6
748	A stochastic multiscale algorithm for modeling complex granular materials. Granular Matter, 2018, 20, 1.	2.2	21
749	TGA: Team game algorithm. Future Computing and Informatics Journal, 2018, 3, 191-199.	0.6	26
750	New correlations to predict fracture conductivity based on the formation lithology. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2018, 40, 1663-1673.	2.3	8
751	Molecular Descriptors for Structure–Activity Applications: A Hands-On Approach. Methods in Molecular Biology, 2018, 1800, 3-53.	0.9	28
752	Metabarriers with multi-mass locally resonating units for broad band Rayleigh waves attenuation. Soil Dynamics and Earthquake Engineering, 2018, 113, 265-277.	3.8	74
753	A hybrid GA-GSA noval algorithm for data clustering. , 2018, , .		0
754	STATCOM Estimation Using Back-Propagation, PSO, Shuffled Frog Leap Algorithm, and Genetic Algorithm Based Neural Networks. Computational Intelligence and Neuroscience, 2018, 2018, 1-17.	1.7	17
755	Advanced Multi-Objective Robust Optimization Under Interval Uncertainty Using Kriging Model and Support Vector Machine. Journal of Computing and Information Science in Engineering, 2018, 18, .	2.7	20
756	Model–based optimal parameter identification incorporating C–rate, state of charge and temperature effect for advance battery management system in electric vehicles. IET Electrical Systems in Transportation, 2018, 8, 240-250.	2.4	10
757	Born to learn: The inspiration, progress, and future of evolved plastic artificial neural networks. Neural Networks, 2018, 108, 48-67.	5.9	73
758	Toward Growing Robots: A Historical Evolution from Cellular to Plant-Inspired Robotics. Frontiers in Robotics and AI, 2018, 5, 16.	3.2	51
759	Polarization-independent two-dimensional diffraction metal-dielectric grating. Applied Physics Letters, 2018, 113, 041905.	3.3	10
760	Bio-inspired computational heuristics for Sisko fluid flow and heat transfer models. Applied Soft Computing Journal, 2018, 71, 622-648.	7.2	28
761	A Genetic Algorithm-Based Classification Approach for Multicriteria ABC Analysis. International Journal of Information Technology and Decision Making, 2018, 17, 1805-1837.	3.9	14
762	Special Issue on Computational Intelligence and Nature-Inspired Algorithms for Real-World Data Analytics and Pattern Recognition. Algorithms, 2018, 11, 25.	2.1	3

#	Article	IF	Citations
763	Bilayer Local Search Enhanced Particle Swarm Optimization for the Capacitated Vehicle Routing Problem. Algorithms, 2018, 11, 31.	2.1	11
764	A Non-Standard Characteristic Based Protection Scheme for Distribution Networks. Energies, 2018, 11, 1241.	3.1	16
765	Big Data in Natural Disaster Management: A Review. Geosciences (Switzerland), 2018, 8, 165.	2.2	193
766	Chaotic antlion algorithm for parameter optimization of support vector machine. Applied Intelligence, 2018, 48, 670-686.	5.3	90
767	Impact of Metaheuristic Iteration on Artificial Neural Network Structure in Medical Data. Processes, 2018, 6, 57.	2.8	22
768	Multiobjective Optimization Modeling Approach for Multipurpose Single Reservoir Operation. Water (Switzerland), 2018, 10, 427.	2.7	8
769	Solving constrained optimization problems by using covariance matrix adaptation evolutionary strategy with constraint handling methods. , 2018, , .		4
770	Unassisted thresholding based on multi-objective evolutionary algorithms. Knowledge-Based Systems, 2018, 159, 221-232.	7.1	14
771	Improved electroâ€geometric model for shielding failure analysis of transmission lines. IET Science, Measurement and Technology, 2018, 12, 542-547.	1.6	6
772	*Colloquium*: Criticality and dynamical scaling in living systems. Reviews of Modern Physics, 2018, 90, .	45.6	336
773	Task oriented 3D sampling via genetic algorithms. , 2018, , .		0
774	A Comparative Study of Genetic and Particle Swarm Optimization Algorithms and Their Hybrid Method in Water Flooding Optimization. Journal of Energy Resources Technology, Transactions of the ASME, 2018, 140, .	2.3	14
775	Intelligent smart home energy efficiency model using artificial TensorFlow engine. Human-centric Computing and Information Sciences, 2018, 8, .	6.1	34
776	Heat and mass transfer for compact heat exchanger (CHXs) design: A state-of-the-art review. International Journal of Heat and Mass Transfer, 2018, 127, 359-380.	4.8	61
777	A method to optimize mobile crane and crew interactions to minimize construction cost and time. Automation in Construction, 2018, 95, 10-19.	9.8	15
778	Global optimal constrained ICA and its application in extraction of movement related cortical potentials from single-trial EEG signals. Computer Methods and Programs in Biomedicine, 2018, 166, 155-169.	4.7	4
779	Discovering optimal features using static analysis and a genetic search based method for Android malware detection. Frontiers of Information Technology and Electronic Engineering, 2018, 19, 712-736.	2.6	52
780	Optimization of Design and Life-Cycle Management for Steelâ€"Concrete Composite Bridges. Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE), 2018, 28, 185-195.	0.8	11

#	Article	IF	Citations
781	Adaptive K-means image segmentation based on meta heuristic algorithm. , 2018, , .		2
782	A data-driven, knowledge-based approach to biomarker discovery: application to circulating microRNA markers of colorectal cancer prognosis. Npj Systems Biology and Applications, 2018, 4, 20.	3.0	47
783	Elephant quantum walk. Physical Review A, 2018, 97, .	2.5	23
784	Multi-Agent Systems: A Survey. IEEE Access, 2018, 6, 28573-28593.	4.2	440
785	A chance-constrained stochastic approach to intermodal container routing problems. PLoS ONE, 2018, 13, e0192275.	2.5	19
787	ImGA: an improved genetic algorithm for partitioned scheduling on heterogeneous multi-core systems. Design Automation for Embedded Systems, 2018, 22, 183-197.	1.0	8
788	Parameter estimation for Hammerstein control autoregressive systems using differential evolution. Signal, Image and Video Processing, 2018, 12, 1603-1610.	2.7	20
789	Modified genetic algorithm based power allocation scheme for amplify-and-forward cooperative relay network. Computers and Electrical Engineering, 2018, 69, 628-641.	4.8	26
790	Dynamic group optimisation algorithm for training feed-forward neural networks. Neurocomputing, 2018, 314, 1-19.	5.9	25
791	Development of Self-Learning Kernel Regression Models for Virtual Sensors on Nonlinear Processes. IEEE Transactions on Automation Science and Engineering, 2019, 16, 286-297.	5.2	10
792	Thermohydraulic optimization of triple concentric-tube heat exchanger: A multi-objective approach. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2019, 233, 589-600.	2.5	6
793	Fault diagnosis method based on integration of RSSD and wavelet transform to rolling bearing. Measurement: Journal of the International Measurement Confederation, 2019, 131, 400-411.	5.0	101
794	Genetic Algorithm. Studies in Computational Intelligence, 2019, , 43-55.	0.9	644
795	A Global Optimization Approach Based on Opinion Formation in Complex Networks. IEEE Transactions on Network Science and Engineering, 2019, 6, 173-187.	6.4	6
796	Border-search and jump reduction method for size optimization of spatial truss structures. Frontiers of Structural and Civil Engineering, 2019, 13, 123-134.	2.9	3
797	Reliability optimization of tools with increasing failure rates in a flexible manufacturing system. Arabian Journal for Science and Engineering, 2019, 44, 2579-2596.	3.0	1
798	A two-stage differential biogeography-based optimization algorithm and its performance analysis. Expert Systems With Applications, 2019, 115, 329-345.	7.6	71
799	Performance Comparison of Metaheuristic Optimization Algorithms Using Water Distribution System Design Benchmarks. Advances in Intelligent Systems and Computing, 2019, , 97-104.	0.6	4

#	ARTICLE	IF	CITATIONS
800	Optimum stacking sequence design of composite laminates for maximum buckling load capacity using parameter-less optimization algorithms. Engineering With Computers, 2019, 35, 813-832.	6.1	23
801	Streamflow calculation for medium-to-small rivers in data scarce inland areas. Science of the Total Environment, 2019, 693, 133571.	8.0	6
802	Optimization of a hybrid phase-change memory cell using the water cycle algorithm. Journal of Computational Electronics, 2019, 18, 1192-1200.	2.5	2
803	Operational reliability of multi-energy customers considering service-based self-scheduling. Applied Energy, 2019, 254, 113531.	10.1	21
804	Wavelet Packets Transform processing and Genetic Neuro-Fuzzy classification to detect faulty bearings. Advances in Mechanical Engineering, 2019, 11, 168781401983118.	1.6	5
805	Generation of Benchmark Problems for Optimal Design of Water Distribution Systems. Water (Switzerland), 2019, 11, 1637.	2.7	2
806	Multi-Objective Optimization for Multi-Line and U-Shape Layout of Sewing Assembly Line in Apparel Industry. IEEE Access, 2019, 7, 107188-107200.	4.2	2
807	Genetic algorithm for Robust Total coloring of a Fuzzy graph. , 2019, , .		1
808	Estimation of the hydraulic parameters of leaky aquifers based on pumping tests and coupled simulation/optimization: verification using a layered aquifer in Tianjin, China. Hydrogeology Journal, 2019, 27, 3081-3095.	2.1	20
809	Implementation and Optimization of Real-Time Fine-Grained Air Quality Sensing Networks in Smart City. , 2019, , .		3
810	Agent-based Modeling of Migration Dynamics in the Mekong Delta, Vietnam: Automated Calibration Using a Genetic Algorithm. , 2019, , .		3
811	Rapid Identification of Rainbow Trout Adulteration in Atlantic Salmon by Raman Spectroscopy Combined with Machine Learning. Molecules, 2019, 24, 2851.	3.8	29
812	What makes a bad egg? Egg transcriptome reveals dysregulation of translational machinery and novel fertility genes important for fertilization. BMC Genomics, 2019, 20, 584.	2.8	9
813	Review of tidal characteristics of Uldolmok Strait and optimal design of blade shape for horizontal axis tidal current turbines. Renewable and Sustainable Energy Reviews, 2019, 113, 109273.	16.4	9
814	A New Optimization Approach for the Least-Cost Design of Water Distribution Networks: Improved Crow Search Algorithm. Water Resources Management, 2019, 33, 3595-3613.	3.9	26
815	TSE-IDS: A Two-Stage Classifier Ensemble for Intelligent Anomaly-Based Intrusion Detection System. IEEE Access, 2019, 7, 94497-94507.	4.2	213
816	CCSA: Conscious Neighborhood-based Crow Search Algorithm for Solving Global Optimization Problems. Applied Soft Computing Journal, 2019, 85, 105583.	7.2	109
817	Spoken language identification based on optimised genetic algorithm–extreme learning machine approach. International Journal of Speech Technology, 2019, 22, 711-727.	2.2	44

#	Article	IF	Citations
818	Optimizing fleet size and scheduling of feeder transit services considering the influence of bike-sharing systems. Journal of Cleaner Production, 2019, 236, 117550.	9.3	37
819	Automatically Selecting Complementary Vector Representations for Semantic Textual Similarity. Studies in Computational Intelligence, 2019, , 45-60.	0.9	1
820	Fault diagnosis of rolling bearing based on resonance-based sparse signal decomposition with optimal Q-factor. Measurement and Control, 2019, 52, 1111-1121.	1.8	10
821	Adaptive Range Genetic Algorithm: A hybrid optimization approach and its application in the design and economic optimization of Shell-and-Tube Heat Exchanger. Engineering Applications of Artificial Intelligence, 2019, 85, 444-461.	8.1	47
822	Design of efficient fractional operator for ECG signal detection in implantable cardiac pacemaker systems. International Journal of Circuit Theory and Applications, 2019, 47, 1459-1476.	2.0	27
823	Multi-objective optimization of discrete film hole arrangement on a high pressure turbine end-wall with conjugate heat transfer simulations. International Journal of Heat and Fluid Flow, 2019, 78, 108428.	2.4	22
824	Optimization of Frame Structures with Kinematical Indeterminacy for Optimum Folding. Journal of Engineering Mechanics - ASCE, 2019, 145, .	2.9	3
825	Spectrum handoff reduction in cognitive radio networks using evolutionary algorithms. Journal of Intelligent and Fuzzy Systems, 2019, 36, 6049-6058.	1.4	7
826	PolyProc: A Modular Processing Pipeline for X-ray Diffraction Tomography. Integrating Materials and Manufacturing Innovation, 2019, 8, 388-399.	2.6	6
827	Scheduling multiple yard cranes in two adjacent container blocks with position-dependent processing times. Computers and Industrial Engineering, 2019, 136, 355-365.	6.3	20
828	Optimal Media Mix for IEC Campaigns Using Fuzzy Linguistic Genetic Algorithm: A Study of Swachh Bharat Abhiyan (Clean India Mission). Journal of Operations and Strategic Planning, 2019, 2, 1-21.	1.1	4
829	Improving the efficiency of a Savonius wind turbine by designing a set of deflector plates with a metamodel-based optimization approach. Energy, 2019, 186, 115814.	8.8	42
830	Influence of key operating parameters and bio-fouling on simultaneous desalination of seawater & reduction of organic wastes from petroleum industrial wastewater. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2019, , 1-16.	2.3	3
831	Quadrotor Identification through the Cooperative Particle Swarm Optimization-Cuckoo Search Approach. Computational Intelligence and Neuroscience, 2019, 2019, 1-10.	1.7	3
832	A gradient boosting decision tree approach for insider trading identification: An empirical model evaluation of China stock market. Applied Soft Computing Journal, 2019, 83, 105652.	7.2	49
833	OPTIMUS: Self-Adaptive Differential Evolution with Ensemble of Mutation Strategies for Grasshopper Algorithmic Modeling. Algorithms, 2019, 12, 141.	2.1	29
834	Prediction of Ultimate Axial Capacity of Square Concrete-Filled Steel Tubular Short Columns Using a Hybrid Intelligent Algorithm. Applied Sciences (Switzerland), 2019, 9, 2802.	2.5	45
835	Self-Adaptive Models for Water Distribution System Design Using Single-/Multi-Objective Optimization Approaches. Water (Switzerland), 2019, 11, 1293.	2.7	4

#	Article	IF	Citations
836	Evaluation of Bio-Inspired Algorithms in Cluster-Based Kriging Optimization. Lecture Notes in Computer Science, 2019, , 731-744.	1.3	2
837	Genetic Algorithm-Based Sensor Allocation With Nonlinear Centralized Fusion Observable Degree. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 3665-3673.	11.3	9
838	Development of a Cloud-based Computational Framework for an Empathetic Robot. , 2019, , .		1
839	Modeling Wax Disappearance Temperature Using Advanced Intelligent Frameworks. Energy & Fuels, 2019, 33, 10959-10968.	5.1	27
840	Meteorological data mining and hybrid data-intelligence models for reference evaporation simulation: A case study in Iraq. Computers and Electronics in Agriculture, 2019, 167, 105041.	7.7	105
841	Sustainable Performance of Buildings through Modular Prefabrication in the Construction Phase: A Comparative Study. Sustainability, 2019, 11, 5658.	3.2	48
842	Catering to Your Concerns. ACM Transactions on Cyber-Physical Systems, 2019, 3, 1-21.	2.5	2
843	Comparison of Different Classifiers and the Majority Voting Rule for the Detection of Plum Fruits in Garden Conditions. Remote Sensing, 2019, 11, 2546.	4.0	21
845	Cache Locking Content Selection Algorithms for ARINC-653 Compliant RTOS. Transactions on Embedded Computing Systems, 2019, 18, 1-20.	2.9	5
846	Applying genetic algorithm to university classroom arrangement problem. Journal of Physics: Conference Series, 2019, 1325, 012157.	0.4	6
847	Hybrid NSGA-II based decision-making in fuzzy multi-objective reliability optimization problem. SN Applied Sciences, 2019, 1, 1.	2.9	7
848	An optimization model for temporal video lecture segmentation using word2vec and acoustic features. , 2019, , .		8
849	Optimal Control of CHP Plant Integrated with Load Management on HVAC System in Microgrid. , 2019, , .		2
850	Determination of Window Size and Sliding Interval for EMG Signals by Using Genetic Algorithm. , 2019, , .		2
851	Estimating the Readily-Releasable Vesicle Pool Size at Synaptic Connections in the Neocortex. Frontiers in Synaptic Neuroscience, 2019, 11, 29.	2.5	18
852	Process Cost Management of Alzheimerâ€™s Disease. Processes, 2019, 7, 582.	2.8	7
853	An Adaptation Multi-Group Quasi-Affine Transformation Evolutionary Algorithm for Global Optimization and Its Application in Node Localization in Wireless Sensor Networks. Sensors, 2019, 19, 4112.	3.8	36
854	Integrated Production and Transportation Scheduling on Parallel Batch-Processing Machines. IEEE Access, 2019, 7, 148393-148400.	4.2	12

#	Article	IF	Citations
855	Combining Multiple Feature-Ranking Techniques and Clustering of Variables for Feature Selection. IEEE Access, 2019, 7, 151482-151492.	4.2	51
856	Investigation of Performance of HHO Algorithm in Solving Global Optimization Problems. , 2019, , .		2
857	Optimal Control Strategy for Variable Air Volume Air-Conditioning Systems Using Genetic Algorithms. Sustainability, 2019, 11, 5122.	3.2	12
858	Hybrid Water Cycle Optimization Algorithm With Simulated Annealing for Spam E-mail Detection. IEEE Access, 2019, 7, 143721-143734.	4.2	30
859	Optimization of Satellite Orbits with Resonant Cross-Track Control. Journal of Guidance, Control, and Dynamics, 2019, 42, 1946-1961.	2.8	3
860	A metaheuristic-based stacking model for predicting the risk of patient no-show and late cancellation for neurology appointments. IISE Transactions on Healthcare Systems Engineering, 2019, 9, 272-291.	1.7	16
861	Application of genetic algorithm-based intuitionistic fuzzy neural network to medical cost forecasting for acute hepatitis patients in emergency room. Journal of Intelligent and Fuzzy Systems, 2019, 37, 5455-5469.	1.4	6
862	ClassyTune: A Performance Auto-Tuner for Systems in the Cloud. IEEE Transactions on Cloud Computing, 2022, 10, 234-246.	4.4	6
863	Real-Time Order Acceptance and Scheduling Problems in a Flow Shop Environment Using Hybrid GA-PSO Algorithm. IEEE Access, 2019, 7, 112742-112755.	4.2	26
864	Efficiently Transplanting Potential Energy Interpolation Database between Two Systems: Bacteriochlorophyll Case with FMO and LH2 Complexes. Journal of Chemical Information and Modeling, 2019, 59, 4228-4238.	5.4	3
865	Dynamic Adaptive Network-Based Fuzzy Inference System (D-ANFIS) for the Imputation of Missing Data for Internet of Medical Things Applications. IEEE Internet of Things Journal, 2019, 6, 9316-9325.	8.7	24
866	Evolutionary Network Embedding Preserving both Local Proximity and Community Structure. IEEE Transactions on Evolutionary Computation, 2019, , 1-1.	10.0	9
867	A Hybrid Algorithm for Multi-Objective Scientific Workflow Scheduling in IaaS Cloud. IEEE Access, 2019, 7, 125783-125795.	4.2	26
868	Optimization of surveillance cost of a neighborhood using soft computing techniques. , 2019, , .		0
869	How Computer Vision Provides Physical Retail with a Better View on Customers. , 2019, , .		5
870	A cluster based PSO with leader updating mechanism and ring-topology for multimodal multi-objective optimization. Swarm and Evolutionary Computation, 2019, 50, 100569.	8.1	80
871	Conditional Granger Causality and Genetic Algorithms in VAR Model Selection. Symmetry, 2019, 11, 1004.	2.2	2
872	A survey on new generation metaheuristic algorithms. Computers and Industrial Engineering, 2019, 137, 106040.	6.3	510

#	ARTICLE	IF	CITATIONS
873	Analysis of the AnyWalker Software Architecture Using the UML Refactoring Tool. Procedia Computer Science, 2019, 150, 743-750.	2.0	4
874	Crow Search Algorithm for Continuous Optimization Tasks. , 2019, , .		2
875	A one-commodity pickup-and-delivery traveling salesman problem solved by a two-stage method: A sensor relocation application. PLoS ONE, 2019, 14, e0215107.	2.5	3
876	Active control of vortex-induced vibration of a circular cylinder using machine learning. Physics of Fluids, 2019, 31, .	4.0	66
877	Selection of Optimal Closure Relationships for Multiphase Flow using a Genetic Algorithm. , 2019, , .		0
878	Heuristic design of fuzzy inference systems: A review of three decades of research. Engineering Applications of Artificial Intelligence, 2019, 85, 845-864.	8.1	71
879	Renewable Energy Based Economic Emission Load Dispatch Using Grasshopper Optimization Algorithm. International Journal of Swarm Intelligence Research, 2019, 10, 38-57.	0.7	20
880	Application of metaheuristic algorithms for solving inverse radiative boundary design problems with discrete power levels. International Journal of Thermal Sciences, 2019, 137, 539-551.	4.9	8
881	EEG-Based Mild Depressive Detection Using Differential Evolution. IEEE Access, 2019, 7, 7814-7822.	4.2	19
882	A critical review of the state‒of‒art schemes for under voltage load shedding. International Transactions on Electrical Energy Systems, 2019, 29, e2828.	1.9	36
883	Evolving genetic programming and other AI-based models for estimating groundwater quality parameters of the Khezri plain, Eastern Iran. Environmental Earth Sciences, 2019, 78, 1.	2.7	34
884	A Domain-Oriented Analysis of the Impact of Machine Learning—The Case of Retailing. Big Data and Cognitive Computing, 2019, 3, 11.	4.7	29
885	Intelligent nanophotonics: merging photonics and artificial intelligence at the nanoscale. Nanophotonics, 2019, 8, 339-366.	6.0	226
886	Predicting solubility of CO_2 in brine by advanced machine learning systems: Application to carbon capture and sequestration. Journal of CO2 Utilization, 2019, 33, 83-95.	6.8	75
887	Adaptive and large-scale service composition based on deep reinforcement learning. Knowledge-Based Systems, 2019, 180, 75-90.	7.1	40
888	Optimal Task Allocation in Wireless Sensor Networks by Means of Social Network Optimization. Mathematics, 2019, 7, 315.	2.2	18
889	Optimization of Excitation Frequencies of a Gearbox Using Algorithms Inspired by Nature. Journal of Vibration Engineering and Technologies, 2019, 7, 551-563.	2.2	3
890	Scheduling automated transport vehicles for material distribution systems. Applied Soft Computing Journal, 2019, 82, 105552.	7.2	34

#	Article	IF	Citations
891	Energy-saving thermally coupled ternary extractive distillation process using ionic liquids as entrainer for separating ethyl acetate-ethanol-water ternary mixture. Separation and Purification Technology, 2019, 226, 337-349.	7.9	54
892	Parametric Geometric Model and Shape Optimization of Airfoils of a Biomimetic Manta Ray Underwater Vehicle. Journal of Shanghai Jiaotong University (Science), 2019, 24, 402-408.	0.9	3
893	A Genetic Algorithm for the Maximum Clique Problem. Advances in Intelligent Systems and Computing, 2019, , 569-574.	0.6	4
894	Mesoscopic simulations at the physics-chemistry-biology interface. Reviews of Modern Physics, 2019, 91, .	45.6	36
895	An Improved Genetic Algorithm for Optimal Layout of Flow Meters and Valves in Water Network Partitioning. Water (Switzerland), 2019, 11, 1087.	2.7	16
896	Resilience Assessment and Optimization for Urban Rail Transit Networks: A Case Study of Beijing Subway Network. IEEE Access, 2019, 7, 71221-71234.	4.2	35
897	Implementation and Comparison of Particle Swarm Optimization and Genetic Algorithm Techniques in Combined Economic Emission Dispatch of an Independent Power Plant. Energies, 2019, 12, 2037.	3.1	27
898	Overlapping Communities in Co-purchasing and Social Interaction Graphs: A Memetic Approach. , 2019, , 435-466.		1
899	Guidance Systematic Error Separation for Mobile Launch Vehicles Using Artificial Fish Swarm Algorithm. IEEE Access, 2019, 7, 31422-31434.	4.2	6
900	Kernel Ridge Regression Model Based on Beta-Noise and Its Application in Short-Term Wind Speed Forecasting. Symmetry, 2019, 11, 282.	2.2	6
901	Robust multi-objective multi-humanoid robots task allocation based on novel hybrid metaheuristic algorithm. Applied Intelligence, 2019, 49, 4097-4127.	5.3	24
902	Intelligent computing for numerical treatment of nonlinear prey–predator models. Applied Soft Computing Journal, 2019, 80, 506-524.	7.2	128
903	Multivariate spectrofluorimetric detection of lipase isolated from Serratia marcescens in chromatographic fractions. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 222, 117137.	3.9	1
904	Fuzzy-genetic approach to context-aware recommender systems based on the hybridization of collaborative filtering and reclusive method techniques. AI Communications, 2019, 32, 125-141.	1.2	9
905	Sequential Node/Link Recovery Strategy of Power Grids Based on Q-Learning Approach. , 2019, , .		11
907	Data-driven computational method for determining accurate analytical field solutions on arbitrary-geometry spectrometers. Ultramicroscopy, 2019, 202, 173-179.	1.9	0
908	SRIFA: Stochastic Ranking with Improved-Firefly-Algorithm for Constrained Optimization Engineering Design Problems. Mathematics, 2019, 7, 250.	2.2	18
909	A Genetic Algorithm for Investment–Consumption Optimization with Value-at-Risk Constraint and Information-Processing Cost. Risks, 2019, 7, 32.	2.4	3

#	Article	IF	Citations
910	Seeking Optimal GNSS Radio Occultation Constellations Using Evolutionary Algorithms. Remote Sensing, 2019, 11, 571.	4.0	11
911	Novel Hybrid Data-Intelligence Model for Forecasting Monthly Rainfall with Uncertainty Analysis. Water (Switzerland), 2019, 11, 502.	2.7	78
912	Optimal Energy Management of UAV-Based Cellular Networks Powered by Solar Panels and Batteries: Formulation and Solutions. IEEE Access, 2019, 7, 53698-53717.	4.2	33
913	Design of computational intelligent procedure for thermal analysis of porous fin model. Chinese Journal of Physics, 2019, 59, 641-655.	3.9	54
914	Vehicular fog gateways selection on the internet of vehicles: A fuzzy logic with ant colony optimization based approach. Ad Hoc Networks, 2019, 91, 101879.	5.5	41
915	A probabilistic method for the estimation of earthquake source parameters from spectral inversion: application to the 2016â€"2017 Central Italy seismic sequence. Geophysical Journal International, 2019, 218, 988-1007.	2.4	17
916	Quality-Oriented Study on Mapping Island Model Genetic Algorithm onto CUDA GPU. Symmetry, 2019, 11, 318.	2.2	5
917	Finding the representative in a cluster using correlation clustering. Pollack Periodica, 2019, 14, 15-24.	0.4	3
918	Determination of feeding strategies in aquaculture farms using a multiple-criteria approach and genetic algorithms. Annals of Operations Research, 2022, 314, 551-576.	4.1	12
919	An Intelligent Real-time Heart Diseases Diagnosis Algorithm. , 2019, , .		6
920	Novel applications of intelligent computing paradigms for the analysis of nonlinear reactive transport model of the fluid in soft tissues and microvessels. Neural Computing and Applications, 2019, 31, 9041-9059.	5.6	112
921	Calibration of water quality model for distribution networks using genetic algorithm, particle swarm optimization, and hybrid methods. MethodsX, 2019, 6, 540-548.	1.6	20
922	Topology Optimization of Photonic and Phononic Crystals and Metamaterials: A Review. Advanced Theory and Simulations, 2019, 2, 1900017.	2.8	107
923	A New Hybrid Seagull Optimization Algorithm for Feature Selection. IEEE Access, 2019, 7, 49614-49631.	4.2	62
924	Forecasting Copper Prices Using Hybrid Adaptive Neuro-Fuzzy Inference System and Genetic Algorithms. Natural Resources Research, 2019, 28, 1385-1401.	4.7	54
925	Metaheuristic Optimization. Studies in Computational Intelligence, 2019, , 13-26.	0.9	1
926	Evolutionary Computation Meets Multiagent Systems for Better Solving Optimization Problems. Communications in Computer and Information Science, 2019, , 27-41.	0.5	0
927	A hybrid genetic-Levenberg Marquardt algorithm for automated spectrometer design optimization. Ultramicroscopy, 2019, 202, 100-106.	1.9	35

#	Article	IF	Citations
928	A bi-objective hybrid optimization algorithm to reduce noise and data dimension in diabetes diagnosis using support vector machines. Expert Systems With Applications, 2019, 127, 47-57.	7.6	38
929	Machine Learning Techniques for Code Smells Detection: A Systematic Mapping Study. International Journal of Software Engineering and Knowledge Engineering, 2019, 29, 285-316.	0.8	37
930	Spectral Reflectance Modeling by Wavelength Selection: Studying the Scope for Blueberry Physiological Breeding under Contrasting Water Supply and Heat Conditions. Remote Sensing, 2019, 11, 329.	4.0	23
931	Control of a PWR nuclear reactor core power using scheduled PID controller with GA, based on two-point kinetics model and adaptive disturbance rejection system. Annals of Nuclear Energy, 2019, 129, 487-502.	1.8	33
932	A new meta-heuristic optimizer: Pathfinder algorithm. Applied Soft Computing Journal, 2019, 78, 545-568.	7.2	235
933	Machine learning approaches outperform distance- and tree-based methods for DNA barcoding of Pterocarpus wood. Planta, 2019, 249, 1617-1625.	3.2	26
934	Deep Evolutionary Networks with Expedited Genetic Algorithms for Medical Image Denoising. Medical Image Analysis, 2019, 54, 306-315.	11.6	58
935	Branch coverage prediction in automated testing. Journal of Software: Evolution and Process, 2019, 31, e2158.	1.6	12
936	The use of frontier techniques to identify efficient solutions for the Berth Allocation Problem solved with a hybrid evolutionary algorithm. Computers and Operations Research, 2019, 107, 43-60.	4.0	14
937	An elitist nondominated sorting hybrid algorithm for multi-objective flexible job-shop scheduling problem with sequence-dependent setups. Knowledge-Based Systems, 2019, 173, 83-112.	7.1	47
938	Optimal control strategies for hollow core ventilated slab systems. Journal of Building Engineering, 2019, 24, 100762.	3.4	4
939	Rethinking HVAC temperature setpoints in commercial buildings: The potential for zero-cost energy savings and comfort improvement in different climates. Building and Environment, 2019, 155, 350-359.	6.9	103
940	Simultaneous estimation of unknown parameters using a-priori knowledge for the estimation of interfacial heat transfer coefficient during solidification of Sn–5wt%Pb alloy–an ANN-driven Bayesian approach. Sadhana - Academy Proceedings in Engineering Sciences, 2019, 44, 1.	1.3	5
941	Deep Reinforcement Learning Using Genetic Algorithm for Parameter Optimization. , 2019, , .		59
942	IGUG: A MATLAB package for 3D inversion of gravity data using graph theory. Computers and Geosciences, 2019, 128, 19-29.	4.2	11
943	Genetic algorithms for lens design: a review. Journal of Optics (India), 2019, 48, 134-144.	1.7	32
944	Geometry and symmetry in the quantum Boltzmann machine. Physical Review A, 2019, 99, .	2.5	2
945	De novo design of anticancer peptides by ensemble artificial neural networks. Journal of Molecular Modeling, 2019, 25, 112.	1.8	36

#	Article	IF	Citations
946	Automatic genetic algorithm in clustering for discrete elements. Communications in Statistics Part B: Simulation and Computation, 0, , 1-16.	1.2	12
947	Projection Pursuit Based on Gaussian Mixtures and Evolutionary Algorithms. Journal of Computational and Graphical Statistics, 2019, 28, 847-860.	1.7	3
948	Improved salp swarm algorithm based on weight factor and adaptive mutation. Journal of Experimental and Theoretical Artificial Intelligence, 2019, 31, 493-515.	2.8	54
949	A Dynamic Traffic Assignment Model for the Sustainability of Pavement Performance. Sustainability, 2019, 11, 170.	3.2	15
950	An adaptive SVD–Krylov reduced order model for surrogate based structural shape optimization through isogeometric boundary element method. Computer Methods in Applied Mechanics and Engineering, 2019, 349, 312-338.	6.6	27
951	A grouping particle swarm optimizer. Applied Intelligence, 2019, 49, 2862-2873.	5.3	17
952	Robust Unit Commitment Applying Information Gap Decision Theory and Taguchi Orthogonal Array Technique. , 2019, , 109-129.		1
953	Optimal mission planning of the reconfiguration process of satellite constellations through orbital maneuvers: A novel technical framework. Advances in Space Research, 2019, 63, 3369-3384.	2.6	11
954	A non-linear estimation and model predictive control algorithm based on ant colony optimization. Transactions of the Institute of Measurement and Control, 2019, 41, 1123-1138.	1.7	14
955	Improving the performance of feature selection and data clustering with novel global search and elite-guided artificial bee colony algorithm. Journal of Supercomputing, 2019, 75, 5189-5226.	3.6	15
956	A mathematical model for location of temporary relief centers and dynamic routing of aerial rescue vehicles. Computers and Industrial Engineering, 2019, 131, 227-241.	6.3	29
957	A New Hybrid Algorithm Based on Grey Wolf Optimization and Crow Search Algorithm for Unconstrained Function Optimization and Feature Selection. IEEE Access, 2019, 7, 26343-26361.	4.2	171
958	Real-Time Fine-Grained Air Quality Sensing Networks in Smart City: Design, Implementation, and Optimization. IEEE Internet of Things Journal, 2019, 6, 7526-7542.	8.7	15
959	Concept and Preliminary Analysis of Novel Movable Structural System for Cable-Stayed Footbridge. Journal of Bridge Engineering, 2019, 24, .	2.9	3
960	3D coupled conduction-convection problem using in-house heat transfer experiments in conjunction with hybrid inverse approach. Engineering Computations, 2019, 36, 3180-3207.	1.4	3
961	Optimum arrangement of two-stage plug and concentrate recycling RO systems using thermodynamic and exergy analysis. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 30, 3323-3348.	2.8	5
962	An effective teaching-learning-based optimization algorithm for the multi-skill resource-constrained project scheduling problem. Journal of Modelling in Management, 2019, 14, 1064-1087.	1.9	9
963	Application of fuzzy clustering for text data dimensionality reduction. International Journal of Knowledge Engineering and Data Mining, 2019, 6, 289.	0.0	8

#	ARTICLE	IF	CITATIONS
964	Modeling and Control of a Generalized Energy Storage Device for Stabilizing Frequency and Voltage Oscillations. , 2019, , .		2
965	Noise Reduction of an Extinguishing Nozzle Using the Response Surface Method. Energies, 2019, 12, 4346.	3.1	6
966	A Multi-granularity Genetic Algorithm. , 2019, , .		1
967	AP Deployment Optimization in Non-Uniform Service Areas: A Genetic Algorithm Approach. , 2019, , .		6
968	Improving the estimation of parameters in induction motors using an evolutionary computation algorithm. , 2019, , .		0
969	Structured Iterative Hard Thresholding for Categorical and Mixed Data Types. , 2019, , .		0
970	Optimizing Resource Availability in Composable Data Center Infrastructures. , 2019, , .		5
971	ICE: An Interactive Configuration Explorer for High Dimensional Categorical Parameter Spaces. , 2019, , .		5
972	Feed-forward decoupling control of solvent-based post-combustion CO_2 capture system. , 2019, , .		0
973	A Hybrid Genetic Algorithm for the K-Bounded Semi-Online Bin Covering Problem in Batching Machines. , 2019, , .		1
974	Improved Metaheuristic Algorithms for Metabolic Network Optimization. IOP Conference Series: Materials Science and Engineering, 2019, 551, 012065.	0.6	2
975	Increasing Accuracy of Medical CNN Applying Optimization Algorithms: An Image Classification Case. , 2019, , .		4
976	Genetic Algorithm Based Approach for the Multi-Hoist Design and Scheduling Problem. , 2019, , .		1
977	A hybrid genetic algorithm to size the hospital resources in the case of a massive influx of victims. , 2019, , .		1
978	Sizing of second generation current conveyor using evolutionary algorithms. , 2019, , .		7
979	Ratiometric control for differentiation of cell populations endowed with synthetic toggle switches. , 2019, , .		16
980	Switched Capacitor Active Power Filter Optimization Using Nature-Inspired Techniques. , 2019, , .		1
981	Intelligent Control Strategies for Tuning PID of Speed Control of DC Motor - A Review. , 2019, , .		10

#	Article	IF	Citations
982	of Meta-heuristic Optimization Approaches: in Virtue of Grey Wolf Optimization. , 2019, , .		3
983	Personality-Aware VNF Deployment for Profit Maximization. , 2019, , .		0
984	Climate shapes mammal community trophic structures and humans simplify them. Nature Communications, 2019, 10, 5197.	12.8	29
985	Multi-Objective Design Optimization of a Shape Memory Alloy Flexural Actuator. Actuators, 2019, 8, 13.	2.3	4
986	Prostate Cancer Detection using Deep Convolutional Neural Networks. Scientific Reports, 2019, 9, 19518.	3.3	131
987	PM2.5 Pollution: Health and Economic Effect Assessment Based on a Recursive Dynamic Computable General Equilibrium Model. International Journal of Environmental Research and Public Health, 2019, 16, 5102.	2.6	6
988	A New Methodology for Automatic Cluster-Based Kriging Using K-Nearest Neighbor and Genetic Algorithms. Information (Switzerland), 2019, 10, 357.	2.9	4
989	Medical Image Classification: A Comparison of Deep Pre-trained Neural Networks. , 2019, , .		5
990	Improved Genetic Algorithm for High-Utility Itemset Mining. IEEE Access, 2019, 7, 176799-176813.	4.2	25
991	Multi-Objective Calibration of Microscopic Traffic Simulation for Highway Traffic Safety. , 2019, , .		6
992	A Biased Random-Key Genetic Algorithm for the Traffic Counting Location Problem. , 2019, , .		0
993	An evolutionary strategy for finding effective quantum 2-body Hamiltonians of p-body interacting systems. Quantum Machine Intelligence, 2019, 1, 113-122.	4.8	12
994	Enhanced Moth Search Algorithm for the Set-Union Knapsack Problems. IEEE Access, 2019, 7, 173774-173785.	4.2	15
995	Machine and Human is the New Workspace in Emerging Economies: A Phased Approach as the Strategic Framework to Reach Sustainable Economic System Readiness. , 2019, , .		0
996	Experimental and modelling research on fatigue life of GFRP composite materials. IOP Conference Series: Materials Science and Engineering, 2019, 504, 012026.	0.6	0
997	A Chance-Constrained Multistage Planning Method for Active Distribution Networks. Energies, 2019, 12, 4154.	3.1	11
998	Intelligent Fault Classification and Location Identification Method for Microgrids Using Discrete Orthonormal Stockwell Transform-Based Optimized Multi-Kernel Extreme Learning Machine. Energies, 2019, 12, 4504.	3.1	24
999	Reconfiguration of Distribution Systems Aiming for Accumulated Impedance Balancing among Feeders Through Genetic Algorithm. , 2019, , .		0

#	Article	IF	Citations
1000	Optimization and Modeling Approaches in Machining of High Temperature Super Alloy Steels: An Overview. IOP Conference Series: Materials Science and Engineering, 2019, 653, 012042.	0.6	1
1001	Finite Element Model Updating of a Wind Turbine Bladeâ€"A Comparative Study. , 2019, , 569-580.		2
1002	Majority-Based Classification in Distributed Environment. Advances in Intelligent Systems and Computing, 2019, , 321-332.	0.6	0
1003	Improved salp swarm algorithm based on particle swarm optimization for feature selection. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 3155-3169.	4.9	258
1004	A Survey on Nature-Inspired Optimization Algorithms and Their Application in Image Enhancement Domain. Archives of Computational Methods in Engineering, 2019, 26, 1607-1638.	10.2	75
1005	Review on the optimal placement, sizing and control of an energy storage system in the distribution network. Journal of Energy Storage, 2019, 21, 489-504.	8.1	182
1006	Evolutionary Deep Learning for Car Park Occupancy Prediction in Smart Cities. Lecture Notes in Computer Science, 2019, , 386-401.	1.3	46
1007	Genetic Algorithm-Based Oversampling Technique to Learn from Imbalanced Data. Advances in Intelligent Systems and Computing, 2019, , 387-397.	0.6	2
1008	A survey on metaheuristic optimization for random single-hidden layer feedforward neural network. Neurocomputing, 2019, 335, 261-273.	5.9	59
1009	Modified symbiotic organisms search for structural optimization. Engineering With Computers, 2019, 35, 1269-1296.	6.1	68
1010	Empirical Study of Sperm Swarm Optimization Algorithm. Advances in Intelligent Systems and Computing, 2019, , 1082-1104.	0.6	11
1011	Energy Efficiency in Building Renovation. , 2019, , 675-810.		4
1012	Simulation-Based Multi-Objective Optimization of institutional building renovation considering energy consumption, Life-Cycle Cost and Life-Cycle Assessment. Journal of Building Engineering, 2019, 21, 429-445.	3.4	135
1013	An Inverse Power Generation Mechanism Based Fruit Fly Algorithm for Function Optimization. Journal of Systems Science and Complexity, 2019, 32, 634-656.	2.8	8
1014	Empirical evaluation of mutationâ€based test case prioritization techniques. Software Testing Verification and Reliability, 2019, 29, e1695.	2.0	27
1015	Clustering algorithms: A comparative approach. PLoS ONE, 2019, 14, e0210236.	2.5	303
1016	An intelligent approach for the modeling and experimental optimization of molecular hydrodesulfurization over AlMoCoBi catalyst. Journal of Molecular Liquids, 2019, 278, 376-384.	4.9	34
1017	Natureâ€inspired metaâ€heuristic algorithms for solving the load balancing problem in the softwareâ€defined network. International Journal of Communication Systems, 2019, 32, e3875.	2.5	36

#	Article	IF	Citations
1018	Prediction of the biogas production using GA and ACO input features selection method for ANN model. Information Processing in Agriculture, 2019, 6, 349-356.	4.1	40
1019	Global optimization using Gaussian processes to estimate biological parameters from image data. Journal of Theoretical Biology, 2019, 481, 233-248.	1.7	1
1020	Kriging Assisted Integrated Rotor-Duct Optimization for Ducted Fan in Hover. , 2019, , .		8
1021	Three-Dimensional Interplanetary Hybrid Trajectory Optimization of Solar Sails. , 2019, , .		0
1022	Opposition-based moth flame optimization with Cauchy mutation and evolutionary boundary constraint handling for global optimization. Soft Computing, 2019, 23, 6023-6041.	3.6	70
1023	A decision support flexible scheduling system for continuous galvanization lines using genetic algorithm. Production Engineering, 2019, 13, 43-52.	2.3	4
1024	Recursive model identification for the analysis of the autonomic response to exercise testing in Brugada syndrome. Artificial Intelligence in Medicine, 2019, 97, 98-104.	6.5	6
1025	Coke production scheduling problem: A parallel machine scheduling with batch preprocessings and location-dependent processing times. Computers and Operations Research, 2019, 104, 37-48.	4.0	14
1026	Using Fuzzy Cognitive Maps to Arouse Learning Processes in Cities. Studies in Systems, Decision and Control, 2019, , 107-130.	1.0	4
1027	An unsupervised learning approach for multilayer perceptron networks. Soft Computing, 2019, 23, 11001-11013.	3.6	2
1028	Repository and Mutation based Particle Swarm Optimization (RMPSO): A new PSO variant applied to reconstruction of Gene Regulatory Network. Applied Soft Computing Journal, 2019, 74, 330-355.	7.2	44
1029	Robust design optimization of laminated plates under uncertain bounded buckling loads. Structural and Multidisciplinary Optimization, 2019, 59, 877-891.	3.5	32
1030	Named entity recognition based on conditional random fields. Cluster Computing, 2019, 22, 5195-5206.	5.0	23
1031	The Impact of Automated Parameter Optimization on Defect Prediction Models. IEEE Transactions on Software Engineering, 2019, 45, 683-711.	5.6	211
1032	Chaotic grasshopper optimization algorithm for global optimization. Neural Computing and Applications, 2019, 31, 4385-4405.	5.6	199
1033	Butterfly optimization algorithm: a novel approach for global optimization. Soft Computing, 2019, 23, 715-734.	3.6	985
1034	Towards improving the convolutional neural networks for deep learning using the distributed artificial bee colony method. International Journal of Machine Learning and Cybernetics, 2019, 10, 1301-1311.	3.6	28
1035	Hybrid evolutionary computing algorithms and statistical methods based optimal fragmentation in smart cloud networks. Cluster Computing, 2019, 22, 241-254.	5.0	12

#	ARTICLE	IF	CITATIONS
1036	Multi-objective sine-cosine algorithm (MO-SCA) for multi-objective engineering design problems. Neural Computing and Applications, 2019, 31, 915-929.	5.6	102
1037	Design of Optimized Multiobjective Function for Bipedal Locomotion Based on Energy and Stability. Journal of Intelligent Systems, 2019, 28, 133-152.	1.6	3
1038	A hybrid AHP-GA method for metadata-based learning object evaluation. Neural Computing and Applications, 2019, 31, 671-681.	5.6	9
1039	Multiobjective optimized bipedal locomotion. International Journal of Machine Learning and Cybernetics, 2019, 10, 1997-2013.	3.6	14
1040	Application of combined Kano model and interactive genetic algorithm for product customization. Journal of Intelligent Manufacturing, 2019, 30, 2587-2602.	7.3	31
1041	Topology Optimization of Wave Barriers for Mitigation of Vertical Component of Seismic Ground Motions. Journal of Earthquake Engineering, 2020, 24, 84-108.	2.5	14
1042	An oracle penalty and modified augmented Lagrangian methods with firefly algorithm for constrained optimization problems. Operational Research, 2020, 20, 985-1010.	2.0	2
1043	Development and performance validation of new parallel hybrid cuckoo search–genetic algorithm. Energy Systems, 2020, 11, 729-751.	3.0	9
1044	Using Machine Learning to Identify Suicide Risk: A Classification Tree Approach to Prospectively Identify Adolescent Suicide Attempters. Archives of Suicide Research, 2020, 24, 218-235.	2.3	15
1046	Recent Studies on Chicken Swarm Optimization algorithm: a review (2014–2018). Artificial Intelligence Review, 2020, 53, 1737-1765.	15.7	47
1047	A genetic algorithm for spatiosocial tensor clustering. Evolving Systems, 2020, 11, 491-501.	3.9	17
1048	Adaptive Side-by-Side Social Robot Navigation to Approach and Interact with People. International Journal of Social Robotics, 2020, 12, 909-930.	4.6	31
1049	Completely Automated CNN Architecture Design Based on Blocks. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 1242-1254.	11.3	188
1050	The multiscale top-hat tensor enables specific enhancement of curvilinear structures in 2D and 3D images. Methods, 2020, 173, 3-15.	3.8	8
1051	A new technique for time series forecasting by using symbiotic organisms search. Neural Computing and Applications, 2020, 32, 2365-2381.	5.6	1
1052	A genetic algorithm with local search for solving single-source single-sink nonlinear non-convex minimum cost flow problems. Soft Computing, 2020, 24, 1153-1169.	3.6	6
1053	Integrated intelligent computing for heat transfer and thermal radiation-based two-phase MHD nanofluid flow model. Neural Computing and Applications, 2020, 32, 2845-2877.	5.6	27
1054	Genetic Algorithm: Theory, Literature Review, and Application in Image Reconstruction. Studies in Computational Intelligence, 2020, , 69-85.	0.9	88

#	Article	IF	Citations
1055	Prediction of mechanical properties of micro-alloyed steels via neural networks learned by water wave optimization. Neural Computing and Applications, 2020, 32, 5583-5598.	5.6	8
1056	Compensation for temperature-dependent phase and velocity of guided wave signals in baseline subtraction for structural health monitoring. Structural Health Monitoring, 2020, 19, 26-47.	7.5	43
1057	Nature-Inspired Optimization Algorithms and Their Application in Multi-Thresholding Image Segmentation. Archives of Computational Methods in Engineering, 2020, 27, 855-888.	10.2	70
1058	Robust 2-DOF FOPID Controller Design for Maglev System Using Jaya Algorithm. IETE Journal of Research, 2020, 66, 414-426.	2.6	16
1059	Hybrid adaptive large neighborhood search algorithm for the mixed fleet heterogeneous dial-a-ride problem. Journal of Heuristics, 2020, 26, 83-118.	1.4	21
1060	Performance comparison of metaheuristic algorithms using a modified Gaussian fitness landscape generator. Soft Computing, 2020, 24, 7383-7393.	3.6	5
1061	Robust Energy Management System for Multi-Source DC Energy Systemsâ€"Real-Time Setup and Validation. IEEE Transactions on Control Systems Technology, 2020, 28, 2591-2599.	5.2	4
1062	Improved Salp Swarm Algorithm with Space Transformation Search for Training Neural Network. Arabian Journal for Science and Engineering, 2020, 45, 2743-2761.	3.0	37
1063	An evolutionary approach for efficient prototyping of large time series datasets. Information Sciences, 2020, 511, 74-93.	6.9	8
1064	Tackling environmental challenges in pollution controls using artificial intelligence: A review. Science of the Total Environment, 2020, 699, 134279.	8.0	156
1065	Scheduling Internet of Things requests to minimize latency in hybrid Fogâ€"Cloudâ€¹ computing. Future Generation Computer Systems, 2020, 111, 539-551.	7.5	147
1066	A fault diagnosis model of marine diesel engine cylinder based on modified genetic algorithm and multilayer perceptron. Soft Computing, 2020, 24, 7603-7613.	3.6	15
1067	Computational effort comparison of genetic algorithm and particle swarm optimization algorithms for the proportionalâ€"integralâ€"derivative controller tuning of a pressurized water nuclear reactor. Annals of Nuclear Energy, 2020, 136, 107019.	1.8	33
1068	The Doubly-Bounded Rationality of an Artificial Agent and its Ability to Represent the Bounded Rationality of a Human Decision-Maker in Policy-Relevant Situations. Journal of Experimental and Theoretical Artificial Intelligence, 2020, 32, 727-749.	2.8	1
1069	Normal parameter reduction algorithm in soft set based on hybrid binary particle swarm and biogeography optimizer. Neural Computing and Applications, 2020, 32, 12221-12239.	5.6	9
1070	A New Teachingâ€"Learning-based Chicken Swarm Optimization Algorithm. Soft Computing, 2020, 24, 5313-5331.	3.6	32
1071	Fast and efficient energy-oriented cell assignment in heterogeneous networks. Wireless Networks, 2020, 26, 3119-3137.	3.0	0
1072	Environmental Microbiome Analysis and Manipulation. Women in Engineering and Science, 2020, , 113-133.	0.4	2

#	Article	IF	Citations
1073	The feasibility and optimization of biodiesel production from *Celtis australis* L. oil using chicken bone catalyst and ultrasonic waves. Biofuels, 2020, 11, 513-521.	2.4	16
1074	Choosing the proper autoencoder for feature fusion based on data complexity and classifiers: Analysis, tips and guidelines. Information Fusion, 2020, 54, 44-60.	19.1	29
1075	Supervised machine learning techniques and genetic optimization for occupational diseases risk prediction. Soft Computing, 2020, 24, 4393-4406.	3.6	26
1076	Concrete under fire: an assessment through intelligent pattern recognition. Engineering With Computers, 2020, 36, 1915-1928.	6.1	24
1078	A novel hybrid wrapper–filter approach based on genetic algorithm, particle swarm optimization for feature subset selection. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 1105-1127.	4.9	66
1079	Supply chain coordination with reverse logistics: A vendor/recycler-buyer synchronized cycles model. Omega, 2020, 95, 102090.	5.9	39
1080	Introduction to Multi-objective Optimization. SpringerBriefs in Applied Sciences and Technology, 2020, , 1-9.	0.4	0
1081	Black hole particle swarm optimization for well placement optimization. Computational Geosciences, 2020, 24, 1979-2000.	2.4	24
1082	A machine learning model for emotion recognition from physiological signals. Biomedical Signal Processing and Control, 2020, 55, 101646.	5.7	123
1083	Improving Ranking-Oriented Defect Prediction Using a Cost-Sensitive Ranking SVM. IEEE Transactions on Reliability, 2020, 69, 139-153.	4.6	38
1084	Multiobjective evolutionary-based multi-kernel learner for realizing transfer learning in the prediction of HIV-1 protease cleavage sites. Soft Computing, 2020, 24, 9727-9751.	3.6	3
1085	Reliability optimization allocation method for nuclear power plants by the goal oriented method. , 2020, , 83-99.		0
1086	An efficient metamodel-based method to carry out multi-objective building performance optimizations. Energy and Buildings, 2020, 206, 109576.	6.7	60
1087	An enhanced symbiotic organisms search algorithm with perturbed global crossover operator for global optimization. Journal of Intelligent and Fuzzy Systems, 2020, 38, 1951-1965.	1.4	2
1088	Determination of the optimal sales level of perishable goods in a two-echelon supply chain network. Computers and Industrial Engineering, 2020, 139, 106156.	6.3	37
1089	Application of proteometric approach for identification of functional mutant sites to improve the binding affinity of anticancer biologic trastuzumab with its antigen human epidermal growth factor receptor 2. Journal of Molecular Recognition, 2020, 33, e2818.	2.1	1
1090	Hybridizing grey wolf optimization with neural network algorithm for global numerical optimization problems. Neural Computing and Applications, 2020, 32, 10451-10470.	5.6	22
1091	Novel hybrid approaches based on evolutionary strategy for streamflow forecasting in the Chellif River, Algeria. Acta Geophysica, 2020, 68, 167-180.	2.0	12

#	Article	IF	Citations
1092	A novel design of differential evolution for solving discrete traveling salesman problems. Swarm and Evolutionary Computation, 2020, 52, 100607.	8.1	74
1093	Barnacles Mating Optimizer: A new bio-inspired algorithm for solving engineering optimization problems. Engineering Applications of Artificial Intelligence, 2020, 87, 103330.	8.1	248
1094	Maintenance cost prediction for aging residential buildings based on case-based reasoning and genetic algorithm. Journal of Building Engineering, 2020, 28, 101006.	3.4	39
1095	Machine Learning Meets Computation and Communication Control in Evolving Edge and Cloud: Challenges and Future Perspective. IEEE Communications Surveys and Tutorials, 2020, 22, 38-67.	39.4	164
1096	An efficient krill herd algorithm for color image multilevel thresholding segmentation problem. Applied Soft Computing Journal, 2020, 89, 106063.	7.2	55
1097	An improved thermal exchange optimization based GLCM for multi-level image segmentation. Multimedia Tools and Applications, 2020, 79, 12007-12040.	3.9	11
1098	Automatic Multiscale Approach for Water Networks Partitioning into Dynamic District Metered Areas. Water Resources Management, 2020, 34, 835-848.	3.9	37
1099	An improved method for predicting water shortage risk in the case of insufficient data and its application in Tianjin, China. Journal of Earth System Science, 2020, 129, 1.	1.3	5
1100	Advances in reduction of total harmonic distortion in solar photovoltaic systems: A literature review. International Journal of Energy Research, 2020, 44, 2455-2470.	4.5	40
1101	Multi-population adaptive genetic algorithm for selection of microarray biomarkers. Neural Computing and Applications, 2020, 32, 11897-11918.	5.6	13
1102	Memetic algorithm for solving resource constrained project scheduling problems. Automation in Construction, 2020, 111, 103052.	9.8	56
1103	Evolving Neural Conditional Random Fields for drilling report classification. Journal of Petroleum Science and Engineering, 2020, 187, 106846.	4.2	7
1104	A long-term fleet renewal problem under uncertainty: A simulation-based optimization approach. Expert Systems With Applications, 2020, 145, 113158.	7.6	20
1105	Determination of road profile using multiple passing vehicle measurements. Structure and Infrastructure Engineering, 2020, 16, 1262-1275.	3.7	18
1106	A Comprehensive Review of the Fireworks Algorithm. ACM Computing Surveys, 2020, 52, 1-28.	23.0	37
1107	Data-driven scalar-flux model development with application to jet in cross flow. International Journal of Heat and Mass Transfer, 2020, 147, 118931.	4.8	27
1108	Symbolic regression-based improved method for wind speed extrapolation from lower to higher altitudes for wind energy applications. Applied Energy, 2020, 260, 114270.	10.1	17
1109	Predictive prosthetic socket design: part 2â€"generating person-specific candidate designs using multi-objective genetic algorithms. Biomechanics and Modeling in Mechanobiology, 2020, 19, 1347-1360.	2.8	20

#	Article	IF	Citations
1110	Economic viability assessment of sustainable hydrogen production, storage, and utilisation technologies integrated into on- and off-grid micro-grids: A performance comparison of different meta-heuristics. International Journal of Hydrogen Energy, 2020, 45, 34412-34436.	7.1	45
1111	Solving energy management of renewable integrated microgrid systems using crow search algorithm. Soft Computing, 2020, 24, 10433-10454.	3.6	42
1112	Link-based multi-verse optimizer for text documents clustering. Applied Soft Computing Journal, 2020, 87, 106002.	7.2	54
1113	Mapping water salinity using Landsat-8 OLI satellite images (Case study: Karun basin located in Iran). Advances in Space Research, 2020, 65, 1490-1502.	2.6	19
1114	Energy efficient path planning for Unmanned Surface Vehicle in spatially-temporally variant environment. Ocean Engineering, 2020, 196, 106766.	4.3	57
1115	Review of supercritical CO_2 power cycles integrated with CSP. International Journal of Energy Research, 2020, 44, 1337-1369.	4.5	77
1117	A systematic study on meta-heuristic approaches for solving the graph coloring problem. Computers and Operations Research, 2020, 120, 104850.	4.0	29
1118	Synthesizing and reconfiguring metastable modular metamaterials for adaptive wave propagation control. Journal of Sound and Vibration, 2020, 468, 115114.	3.9	12
1119	A comparison of metaheuristics for the optimal capacity planning of an isolated, battery-less, hydrogen-based micro-grid. Applied Energy, 2020, 259, 114224.	10.1	52
1120	Evaluation of ground dynamic characteristics using ambient noise measurements in a landslide area. Bulletin of Engineering Geology and the Environment, 2020, 79, 1749-1763.	3.5	4
1121	Capability and robustness of novel hybridized models used for drought hazard modeling in southeast Queensland, Australia. Science of the Total Environment, 2020, 718, 134656.	8.0	28
1122	Network Service Scheduling With Resource Sharing and Preemption. IEEE Transactions on Network and Service Management, 2020, 17, 764-778.	4.9	15
1123	Zero-net energy management for the monitoring and control of dynamically-partitioned smart water systems. Journal of Cleaner Production, 2020, 252, 119745.	9.3	66
1124	Developing Learning-Based Preprocessing Methods for Detecting Complicated Vehicle Licence Plates. IEEE Access, 2020, 8, 170951-170966.	4.2	7
1125	Integrated meta-heuristics finite difference method for the dynamics of nonlinear unipolar electrohydrodynamic pump flow model. Applied Soft Computing Journal, 2020, 97, 106791.	7.2	40
1126	Dynamic performance evaluation of automated QFT robust controller for grid-tied fuel cell under uncertainty conditions. Sustainable Energy Technologies and Assessments, 2020, 42, 100800.	2.7	0
1127	Multi-area economic dispatch with stochastic wind power using Salp Swarm Algorithm. Array, 2020, 8, 100044.	4.0	17
1128	Information and Communication Technology Solutions for the Circular Economy. Sustainability, 2020, 12, 7272.	3.2	95

#	Article	IF	Citations
1129	Firefly Algorithm in Biomedical and Health Care: Advances, Issues and Challenges. SN Computer Science, 2020, 1, 311.	3.6	21
1130	Energy-Efficient Clustering Routing Protocol for Wireless Sensor Networks Based on Yellow Saddle Goatfish Algorithm. Mathematics, 2020, 8, 1515.	2.2	40
1131	A Modified Genetic Algorithm with Local Search Strategies and Multi-Crossover Operator for Job Shop Scheduling Problem. Sensors, 2020, 20, 5440.	3.8	33
1132	An Improved Local Search Genetic Algorithm with Multi-crossover for Job Shop Scheduling Problem. Lecture Notes in Computer Science, 2020, , 464-479.	1.3	5
1133	Artificial Immune System in Doing 2-Satisfiability Based Reverse Analysis Method via a Radial Basis Function Neural Network. Processes, 2020, 8, 1295.	2.8	7
1134	Technical economic analysis of PV-driven electricity and cold cogeneration systems using particle swarm optimization algorithm. Energy, 2020, 211, 119009.	8.8	20
1135	Artificial Evolution and Design for Multi-Material Additive Manufacturing. 3D Printing and Additive Manufacturing, 2020, 7, 326-337.	2.9	7
1136	Machine learning techniques for hate speech classification of twitter data: State-of-the-art, future challenges and research directions. Computer Science Review, 2020, 38, 100311.	15.3	53
1137	An integrated approach for enhancing the overall performance of constructed wetlands in urban areas. Water Research, 2020, 187, 116443.	11.3	8
1138	Evaluation of a novel Asymmetric Genetic Algorithm to optimize the structural design of 3D regular and irregular steel frames. Frontiers of Structural and Civil Engineering, 2020, 14, 1110-1130.	2.9	17
1139	Training and optimization algorithms. , 2020, , 51-78.		1
1140	GeFeS: A generalized wrapper feature selection approach for optimizing classification performance. Computers in Biology and Medicine, 2020, 125, 103974.	7.0	40
1141	Deep learning in the construction industry: A review of present status and future innovations. Journal of Building Engineering, 2020, 32, 101827.	3.4	165
1142	On the Performance Assessment of ANN and Spotted Hyena Optimized ANN to Predict the Spontaneous Combustion Liability of Coal. Combustion Science and Technology, 2022, 194, 1408-1432.	2.3	13
1143	EvolveDTree: Analyzing Student Dropout in Universities. , 2020, , .		4
1144	A Two-Stage Model Identification Method for Simulation of Electrical Wave Propagation in Heart Tissue. IEEE Access, 2020, 8, 123524-123535.	4.2	0
1145	Optimal Bidding of Price-Maker Retailers With Demand Price Quota Curves Under Price Uncertainty. IEEE Access, 2020, 8, 120746-120756.	4.2	10
1146	An Improved Salp Swarm Algorithm With Spiral Flight Search for Optimizing Hybrid Active Power Filters' Parameters. IEEE Access, 2020, 8, 154816-154832.	4.2	5

#	ARTICLE	IF	CITATIONS
1147	A Comprehensive Machine-Learning Model Applied to Magnetic Resonance Imaging (MRI) to Predict Alzheimerâ€™s Disease (AD) in Older Subjects. Journal of Clinical Medicine, 2020, 9, 2146.	2.4	45
1148	Coding metalens with helical-structured units for acoustic focusing and splitting. Applied Physics Letters, 2020, 117, .	3.3	33
1149	Optimized allocation of forest restoration zones to minimize soil losses in watersheds. Journal of Environmental Management, 2020, 271, 110923.	7.8	8
1150	Modified Social Group Optimizationâ€"a meta-heuristic algorithm to solve short-term hydrothermal scheduling. Applied Soft Computing Journal, 2020, 95, 106524.	7.2	49
1151	Optimization test of a rule-based swarm intelligence simulation for the conceptual design process. Artificial Intelligence for Engineering Design, Analysis and Manufacturing: AIEDAM, 2020, 34, 477-491.	1.1	2
1152	A Review of Android Malware Detection Approaches Based on Machine Learning. IEEE Access, 2020, 8, 124579-124607.	4.2	169
1153	An optimization model for combined selecting, planting and harvesting sugarcane varieties. Annals of Operations Research, 2022, 314, 451-469.	4.1	7
1154	Towards a user-friendly sleep staging system for polysomnography part II: Patient-dependent features extraction using the SATUD system. Informatics in Medicine Unlocked, 2020, 21, 100453.	3.4	0
1155	Towards a Generalised Metaheuristic Model for Continuous Optimisation Problems. Mathematics, 2020, 8, 2046.	2.2	25
1156	A data-driven method for detecting and diagnosing causes of water quality contamination in a dataset with a high rate of missing values. Engineering Applications of Artificial Intelligence, 2020, 95, 103822.	8.1	13
1157	Game Theory and Social Interaction for Selection and Crossover Pressure Control in Genetic Algorithms: An Empirical Analysis to Real-Valued Constrained Optimization. IEEE Access, 2020, 8, 144839-144865.	4.2	8
1158	Predictive Adaptive Filter for Reducing Total Harmonics Distortion in PV Systems. Energies, 2020, 13, 3286.	3.1	17
1159	Overall quality optimization for DQM stage in High Energy Physics experiments. Journal of Physics: Conference Series, 2020, 1525, 012063.	0.4	0
1160	Parametric optimization for morphing structures design: application to morphing wings adapting to changing flight conditions. Structural and Multidisciplinary Optimization, 2020, 62, 2995-3007.	3.5	13
1161	Prediction of surface water total dissolved solids using hybridized wavelet-multigene genetic programming: New approach. Journal of Hydrology, 2020, 589, 125335.	5.4	67
1162	Crowd Density Estimation Method Using Reduced Features Set. , 2020, , .		0
1163	Cluster Gaussâ€"Newton method. Optimization and Engineering, 2022, 23, 169-199.	2.4	10
1164	Multi-Objective Information Retrieval-Based NSGA-II Optimization for Requirements Traceability Recovery. , 2020, , .		5

#	Article	IF	Citations
1165	Improving Discrete Latent Representations With Differentiable Approximation Bridges. , 2020, , .		2
1166	Sensors position optimization for monitoring the convergence of radioactive waste storage tunnel. Nuclear Engineering and Design, 2020, 367, 110778.	1.7	4
1167	Sources of predictive information in dynamical neural networks. Scientific Reports, 2020, 10, 16901.	3.3	8
1168	Scalable Panoramic Wireless Video Streaming Relying on Optimal-Rate FEC-Coded Adaptive QAM. IEEE Transactions on Vehicular Technology, 2020, 69, 11206-11219.	6.3	5
1169	Mayfly in Harmony: A New Hybrid Meta-Heuristic Feature Selection Algorithm. IEEE Access, 2020, 8, 195929-195945.	4.2	72
1170	Aero-engine life limit parts replacement policy optimization: Reinforcement learning method. , 2020, , .		1
1171	A Primer on Zeroth-Order Optimization in Signal Processing and Machine Learning: Principals, Recent Advances, and Applications. IEEE Signal Processing Magazine, 2020, 37, 43-54.	5.6	55
1172	Current Challenges and Opportunities in Microstructure-Related Properties of Advanced High-Strength Steels. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 5517-5586.	2.2	115
1173	Short-Term PV Power Prediction Based on Optimized VMD and LSTM. IEEE Access, 2020, 8, 165849-165862.	4.2	29
1174	Improving an Optical Flow Estimator Inspired by Insect Biology using Adaptive Genetic Algorithms. , 2020, , .		3
1175	A Two-phase Evolutionary Algorithm for Solving the Accuracy-diversity Dilemma in Recommendation. , 2020, , .		0
1176	Automated design of a new integrated intelligent computing paradigm for constructing a constitutive model applicable to predicting rock fractures. Engineering With Computers, 2022, 38, 667-678.	6.1	9
1177	A modified teaching learning metaheuristic algorithm with opposite-based learning for permutation flow-shop scheduling problem. Evolutionary Intelligence, 2022, 15, 57-79.	3.6	13
1178	Deep Convolutional Mixture Density Network for Inverse Design of Layered Photonic Structures. ACS Photonics, 2020, 7, 2703-2712.	6.6	60
1179	Ultrahigh emissivity of grating-patterned PDMS film from 8 to 13 μm wavelength regime. Applied Physics Letters, 2020, 117, .	3.3	52
1180	QSAR Study of Fusidic Acid Derivative as Anti-Malaria Agents by using Artificial Neural Network-Genetic Algorithm. , 2020, , .		7
1181	Optimal N-gram Subset Extraction for Accelerating Evaluation Using Genetic Algorithm. , 2020, , .		1
1182	Deep Q-Network-Based Feature Selection for Multisourced Data Cleaning. IEEE Internet of Things Journal, 2021, 8, 16153-16164.	8.7	10

#	Article	IF	Citations
1183	Coal Industrial Supply Chain Network and Associated Evaluation Models. Sustainability, 2020, 12, 9919.	3.2	5
1184	Design for Software Risk Management Using Soft Computing and Simulated Biological Approach. International Journal of Security and Privacy in Pervasive Computing, 2020, 12, 44-54.	0.4	5
1185	Train Type Identification at S&C. Journal of Advanced Transportation, 2020, 2020, 1-12.	1.7	1
1186	An Improved Adaptive Parallel Genetic Algorithm for the Airport Gate Assignment Problem. Journal of Advanced Transportation, 2020, 2020, 1-17.	1.7	5
1187	Mathematical Model for Clinical Decision Support System Using Genetic Algorithm. , 2020, , .		1
1188	Another evolution of generalized differential evolution: variable number of dimensions. Engineering Optimization, 2022, 54, 61-80.	2.6	8
1189	Optimal placement of distributed generation using firefly algorithm. IOP Conference Series: Materials Science and Engineering, 2020, 981, 042060.	0.6	13
1190	Ranking-Based Parameter Subset Selection for Nonlinear Dynamics with Stochastic Disturbances under Limited Data. Industrial & Engineering Chemistry Research, 2020, 59, 21854-21868.	3.7	6
1191	Estimation of Multilevel Simultaneous Equation Models through Genetic Algorithms. Mathematics, 2020, 8, 2098.	2.2	1
1192	Illuminating elite patches of chemical space. Chemical Science, 2020, 11, 11485-11491.	7.4	12
1193	Genetic Algorithm Based on Natural Selection Theory for Optimization Problems. Symmetry, 2020, 12, 1758.	2.2	74
1194	Artificial Bee Colony with Levy Flights for Parameter Estimation of 3-p Weibull Distribution. Iranian Journal of Science and Technology, Transaction A: Science, 2020, 44, 851-864.	1.5	11
1195	An improved multi-objective learning automata and its application in VLSI circuit design. Memetic Computing, 2020, 12, 115-128.	4.0	9
1196	A Novel Approach of Face Recognition Using Optimized Adaptive Illumination–Normalization and KELM. Arabian Journal for Science and Engineering, 2020, 45, 9977-9996.	3.0	11
1197	Active flow control using machine learning: A brief review. Journal of Hydrodynamics, 2020, 32, 247-253.	3.2	57
1198	Hybrid metaheuristic algorithm using butterfly and flower pollination base on mutualism mechanism for global optimization problems. Engineering With Computers, 2021, 37, 3665-3698.	6.1	51
1199	Improving Itinerary Recommendations for Tourists Through Metaheuristic Algorithms: An Optimization Proposal. IEEE Access, 2020, 8, 79003-79023.	4.2	31
1200	Network intrusion detection based on deep learning model optimized with rule-based hybrid feature selection. Information Security Journal, 2020, 29, 267-283.	1.9	41

#	Article	IF	Citations
1201	Developing a Forecasting Model for Real Estate Auction Prices Using Artificial Intelligence. Sustainability, 2020, 12, 2899.	3.2	29
1202	Multiobjective Optimization of Postdisaster Reconstruction Processes for Ensuring Long-Term Socioeconomic Benefits. Journal of Management in Engineering - ASCE, 2020, 36, .	4.8	22
1203	Training feedforward neural network via multiobjective optimization model using non-smooth <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si9.svg"><mml:mrow><mml:msub><mml:mrow><mml:mi>L</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn><mml regularization. Neurocomputing, 2020, 410, 1-11.	5.9	15
1204	Task Scheduling for Mobile Edge Computing Using Genetic Algorithm and Conflict Graphs. IEEE Transactions on Vehicular Technology, 2020, 69, 8805-8819.	6.3	70
1205	Scenario-based simulation of land use in Yingtan (Jiangxi Province, China) using an integrated genetic algorithm-cellular automata-Markov model. Environmental Science and Pollution Research, 2020, 27, 30390-30404.	5.3	9
1206	A Calibration Framework for Highâ€Resolution Hydrological Models Using a Multiresolution and Heterogeneous Strategy. Water Resources Research, 2020, 56, e2019WR026541.	4.2	9
1207	A new ensemble feature selection approach based on genetic algorithm. Soft Computing, 2020, 24, 15811-15820.	3.6	12
1208	Tailoring the Spectral Absorption Coefficient of a Blended Plasmonic Nanofluid Using a Customized Genetic Algorithm. Scientific Reports, 2020, 10, 8891.	3.3	14
1209	Detection and Localization the Open and Short Circuit Faults in PV System: A MILP Approach. , 2020, , .		7
1210	Systematic development and application of a fuzzy logic equipped generic energy storage system for dynamic stability reinforcement. International Journal of Energy Research, 2020, 44, 8974-8987.	4.5	7
1211	A Novel Action Recognition Framework Based on Deep-Learning and Genetic Algorithms. IEEE Access, 2020, 8, 100631-100644.	4.2	25
1212	Robust aerodynamic morphing shape optimization for high-lift missions. Aerospace Science and Technology, 2020, 103, 105897.	4.8	17
1213	Global-best optimization of ANN trained by PSO using the non-extensive cross-entropy with Gaussian gain. Soft Computing, 2020, 24, 18219-18231.	3.6	5
1214	Cost-sensitive learning classification strategy for predicting product failures. Expert Systems With Applications, 2020, 161, 113653.	7.6	21
1215	A diffusion algorithm based on P systems for continuous global optimization. Journal of Computational Science, 2020, 44, 101112.	2.9	7
1216	Failure Detection on Electronic Systems Using Thermal Images and Metaheuristic Algorithms. IEEE Latin America Transactions, 2020, 18, 1371-1380.	1.6	9
1217	A new method for determination of concentration profile in a transport column by gamma spectroscopy combined with genetic algorithm. Progress in Nuclear Energy, 2020, 124, 103346.	2.9	0
1218	Election Algorithm for Random k Satisfiability in the Hopfield Neural Network. Processes, 2020, 8, 568.	2.8	33

#	Article	IF	Citations
1219	A whale optimization algorithm with chaos mechanism based on quasi-opposition for global optimization problems. Expert Systems With Applications, 2020, 158, 113612.	7.6	96
1220	An Efficient Method for Selecting the Optimal Features using Evolutionary Algorithms for Epilepsy Diagnosis. Journal of Circuits, Systems and Computers, 2020, 29, 2050195.	1.5	8
1221	Symmetry-Based Crystal Structure Enumeration in Two Dimensions. Journal of Physical Chemistry A, 2020, 124, 3276-3285.	2.5	4
1222	Enhanced Salp Swarm Algorithm based on random walk and its application to training feedforward neural networks. Soft Computing, 2020, 24, 14791-14807.	3.6	13
1223	A review of data replication based on meta-heuristics approach in cloud computing and data grid. Soft Computing, 2020, 24, 14503-14530.	3.6	25
1224	DEM calibration of cohesive material in the ring shear test by applying a genetic algorithm framework. Advanced Powder Technology, 2020, 31, 1838-1850.	4.1	27
1225	An Adversarial Approach to Private Flocking in Mobile Robot Teams. IEEE Robotics and Automation Letters, 2020, 5, 1009-1016.	5.1	21
1226	Modeling and optimization of galena dissolution in a binary solution of nitric acid and ferric chloride using artificial neural network coupled with genetic algorithm and response surface methodology. South African Journal of Chemical Engineering, 2020, 32, 68-77.	2.4	4
1227	The Multi-objective Design Optimization of Automated Guided Vehicles Car Structure using Genetic Algorithms. , 2020, , .		3
1228	Modern Soft-Sensing Modeling Methods for Fermentation Processes. Sensors, 2020, 20, 1771.	3.8	58
1229	Bayesian Supervised Learning of Site-Specific Geotechnical Spatial Variability from Sparse Measurements. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2020, 6, .	1.7	17
1230	Synthesis of Monitoring Rules with STL. Journal of Circuits, Systems and Computers, 2020, 29, 2050177.	1.5	3
1231	Performance Improvement of Feature-Based Fault Classification for Rotor System. International Journal of Precision Engineering and Manufacturing, 2020, 21, 1065-1074.	2.2	6
1232	A Novel Hybrid Fuzzy AHP-GA Method for Test Sheet Question Selection. International Journal of Information Technology and Decision Making, 2020, 19, 629-647.	3.9	12
1233	An optimization method based on the evolutionary and topology approaches to reduce the mass of composite wind turbine blades. Structural and Multidisciplinary Optimization, 2020, 62, 619-643.	3.5	15
1234	Large-scale optimization of multi-pollutant control strategies in the Pearl River Delta region of China using a genetic algorithm in machine learning. Science of the Total Environment, 2020, 722, 137701.	8.0	19
1235	CNN-based Epilepsy detection using image like features of EEG signals. , 2020, , .		3
1236	Underwater Target Tracking in Uncertain Multipath Ocean Environments. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 4899-4915.	4.7	30

#	Article	IF	Citations
1237	Hybrid Machine Learning Models for Classifying Power Quality Disturbances: A Comparative Study. Energies, 2020, 13, 2761.	3.1	16
1238	Riding Comfort Evaluation Based on Longitudinal Acceleration for Urban Rail Transitâ€"Mathematical Models and Experiments in Beijing Subway. Sustainability, 2020, 12, 4541.	3.2	4
1239	A semi-custom design methodology and environment for implementing superconductor adiabatic quantum-flux-parametron microprocessors. Superconductor Science and Technology, 2020, 33, 054006.	3.5	22
1240	A new parallel galactic swarm optimization algorithm for training artificial neural networks. Journal of Intelligent and Fuzzy Systems, 2020, 38, 6691-6701.	1.4	2
1241	Deterministic scaffold assembly by self-reconfiguring micro-robotic swarms. Swarm and Evolutionary Computation, 2020, 58, 100722.	8.1	9
1242	Selection scheme sensitivity for a hybrid Salp Swarm Algorithm: analysis and applications. Engineering With Computers, 2022, 38, 1149-1175.	6.1	29
1243	Three techniques for flow component identification from daily discharge data in Madjez Ressoul catchment, Algeria. Arabian Journal of Geosciences, 2020, 13, 1.	1.3	0
1244	<scp>FOPS</scp> : A new framework for the optimization with variable number of dimensions. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e22335.	1.2	7
1245	Analysis and implementation of fractional-order chaotic system with standard components. Journal of Advanced Research, 2020, 25, 97-109.	9.5	20
1246	A better understanding on traffic light scheduling: New cellular GAs and new in-depth analysis of solutions. Journal of Computational Science, 2020, 41, 101085.	2.9	24
1247	A novel hybrid hypervolume indicator and reference vector adaptation strategies based evolutionary algorithm for many-objective optimization. Engineering With Computers, 2021, 37, 3017-3035.	6.1	39
1248	Deep echo state network: a novel machine learning approach to model dew point temperature using meteorological variables. Hydrological Sciences Journal, 2020, 65, 1173-1190.	2.6	27
1249	Reverse quantum annealing of the p -spin model with relaxation. Physical Review A, 2020, 101, .	2.5	39
1250	Openâ€source, lowâ€cost modular GPS collars for monitoring and tracking wildlife. Methods in Ecology and Evolution, 2020, 11, 553-558.	5.2	23
1251	A Review of Data Analytic Applications in Road Traffic Safety. Part 1: Descriptive and Predictive Modeling. Sensors, 2020, 20, 1107.	3.8	28
1252	Infrastructure Aware Heterogeneous-Workloads Scheduling for Data Center Energy Cost Minimization. IEEE Transactions on Cloud Computing, 2022, 10, 972-983.	4.4	11
1253	A Parallel Multi-Verse Optimizer for Application in Multilevel Image Segmentation. IEEE Access, 2020, 8, 32018-32030.	4.2	62
1254	A technical view on neural architecture search. International Journal of Machine Learning and Cybernetics, 2020, 11, 795-811.	3.6	14

#	Article	IF	Citations
1255	People's Adaptive Side-by-Side Model Evolved to Accompany Groups of People by Social Robots. IEEE Robotics and Automation Letters, 2020, 5, 2387-2394.	5.1	15
1256	Asset Allocation Model for a Robo-Advisor Using the Financial Market Instability Index and Genetic Algorithms. Sustainability, 2020, 12, 849.	3.2	11
1257	Enhanced a hybrid moth-flame optimization algorithm using new selection schemes. Engineering With Computers, 2021, 37, 2931-2956.	6.1	47
1258	Smart occupancy detection for road traffic parking using deep extreme learning machine. Journal of King Saud University - Computer and Information Sciences, 2022, 34, 727-733.	3.9	18
1259	Life-cycle analysis (LCA) to restore community building portfolios by building back better II: Decision formulation. Structural Safety, 2020, 84, 101921.	5.3	6
1260	Soft biometrics–based face image retrieval using improved grey wolf optimisation. IET Image Processing, 2020, 14, 451-461.	2.5	16
1261	State-of-the-art modeling permeability of the heterogeneous carbonate oil reservoirs using robust computational approaches. Fuel, 2020, 268, 117389.	6.4	29
1262	A subregion division based multi-objective evolutionary algorithm for SVM training set selection. Neurocomputing, 2020, 394, 70-83.	5.9	28
1263	Sensitivity analysis of prospectivity modeling to evidence maps: Enhancing success of targeting for epithermal gold, Takab district, NW Iran. Ore Geology Reviews, 2020, 120, 103394.	2.7	26
1264	Modular approach to multi-objective environmental optimization of buildings. Automation in Construction, 2020, 111, 103044.	9.8	88
1265	Coding Programmable Metasurfaces Based on Deep Learning Techniques. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2020, 10, 114-125.	3.6	67
1266	A survey on river water quality modelling using artificial intelligence models: 2000–2020. Journal of Hydrology, 2020, 585, 124670.	5.4	314
1267	Integrating recurrent neural networks and reinforcement learning for dynamic service composition. Future Generation Computer Systems, 2020, 107, 551-563.	7.5	25
1268	Artificial electric field algorithm for engineering optimization problems. Expert Systems With Applications, 2020, 149, 113308.	7.6	50
1269	A Clustering-Based Surrogate-Assisted Multiobjective Evolutionary Algorithm for Shelter Location Problem Under Uncertainty of Road Networks. IEEE Transactions on Industrial Informatics, 2020, 16, 7544-7555.	11.3	26
1270	A Novel Chaotic Interior Search Algorithm for Global Optimization and Feature Selection. Applied Artificial Intelligence, 2020, 34, 292-328.	3.2	37
1271	Large-scale automated investigation of free-falling paper shapes via iterative physical experimentation. Nature Machine Intelligence, 2020, 2, 68-75.	16.0	11
1272	Physically Consistent Modeling of Dike–Induced Deformation and Seismicity: Application to the 2014 Bárðarbunga Dike, Iceland. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB018141.	3.4	12

#	Article	IF	Citations
1273	Nature-inspired metaheuristic techniques for automatic clustering: a survey and performance study. SN Applied Sciences, 2020, 2, 1.	2.9	38
1274	Generalized Semisupervised Self-Optimizing Kernel Model for Quality-Related Industrial Process Monitoring. IEEE Transactions on Industrial Electronics, 2020, 67, 10876-10886.	7.9	10
1275	Structural reliability assessment by salp swarm algorithmâ€"based FORM. Quality and Reliability Engineering International, 2020, 36, 1224-1244.	2.3	21
1276	Combining information from thresholding techniques through an evolutionary Bayesian network algorithm. Applied Soft Computing Journal, 2020, 90, 106147.	7.2	12
1277	A New Feature Scoring Method in Keystroke Dynamics-Based User Authentications. IEEE Access, 2020, 8, 27901-27914.	4.2	13
1278	Multiscale Quantum Gradual Approximation Algorithm: An Optimization Algorithm With a Step-by-Step Approximation Strategy. IEEE Access, 2020, 8, 71548-71557.	4.2	1
1279	Fuzzy neural networks and neuro-fuzzy networks: A review the main techniques and applications used in the literature. Applied Soft Computing Journal, 2020, 92, 106275.	7.2	131
1280	Nonlinear Dynamic Modeling of Urban Water Consumption Using Chaotic Approach (Case Study: City) Tj ETQq1 1 0.784314 rgBT /Over	2.7	6
1281	An automated computer-aided diagnosis system for classification of MR images using texture features and gbest-guided gravitational search algorithm. Biocybernetics and Biomedical Engineering, 2020, 40, 815-835.	5.9	14
1282	A macroscopic soil-water transport model to simulate root water uptake in the presence of water and disease stress. Journal of Hydrology, 2020, 587, 124940.	5.4	16
1283	Multi-Objective Volleyball Premier League algorithm. Knowledge-Based Systems, 2020, 196, 105781.	7.1	17
1284	Placement Optimization for Renewable Energy Sources: Ontology, Tools, and Wake Models. IEEE Access, 2020, 8, 72781-72800.	4.2	7
1285	GA based KELM Optimization for ECG Classification. Procedia Computer Science, 2020, 167, 580-588.	2.0	14
1286	A review on alloy composition and synthesis of Î²-Titanium alloys for biomedical applications. Materials Today: Proceedings, 2020, 26, 3297-3304.	1.8	23
1287	Evolutionary Techniques for Optimizing Air Quality Model. Procedia Computer Science, 2020, 167, 1872-1879.	2.0	14
1288	An Improved Harrisâ€™s Hawks Optimization for SAR Target Recognition and Stock Market Index Prediction. IEEE Access, 2020, 8, 65891-65910.	4.2	25
1289	Complete Extraction of Protein Dynamics Information in Hydrogen/Deuterium Exchange Mass Spectrometry Data. Analytical Chemistry, 2020, 92, 6486-6494.	6.5	15
1290	Boosted Metaheuristic Algorithms for QoE-Aware Server Selection in Multiplayer Cloud Gaming. IEEE Access, 2020, 8, 60468-60483.	4.2	8

#	Article	IF	Citations
1291	Minimization of total harmonic distortions of cascaded H-bridge multilevel inverter by utilizing bio inspired AI algorithm. Eurasip Journal on Wireless Communications and Networking, 2020, 2020, .	2.4	14
1292	Water Network Partitioning into District Metered Areas: A State-Of-The-Art Review. Water (Switzerland), 2020, 12, 1002.	2.7	44
1293	Experimental measurement and compositional modeling of crude oil viscosity at reservoir conditions. Journal of the Taiwan Institute of Chemical Engineers, 2020, 109, 35-50.	5.3	30
1294	Histogram Equalization Variants as Optimization Problems: A Review. Archives of Computational Methods in Engineering, 2021, 28, 1471-1496.	10.2	66
1295	A multi-skilled workforce optimisation in maintenance logistics networks by multi-thread simulated annealing algorithms. International Journal of Production Research, 2021, 59, 2624-2646.	7.5	19
1296	A sigmoid attractiveness based improved firefly algorithm and its applications in IIR filter design. Connection Science, 2021, 33, 1-25.	3.0	15
1297	Predicting autism spectrum disorder from associative genetic markers of phenotypic groups using machine learning. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 3257-3270.	4.9	13
1298	Heuristic approaches for the family traveling salesman problem. International Transactions in Operational Research, 2021, 28, 262-295.	2.7	12
1299	Optimal torque maximum power point technique for wind turbine: Proportional–integral controller tuning based on particle swarm optimization. Wind Engineering, 2021, 45, 337-350.	1.9	9
1300	AQ360: UAV-Aided Air Quality Monitoring by 360-Degree Aerial Panoramic Images in Urban Areas. IEEE Internet of Things Journal, 2021, 8, 428-442.	8.7	24
1301	A Comprehensive Analysis of Nature-Inspired Meta-Heuristic Techniques for Feature Selection Problem. Archives of Computational Methods in Engineering, 2021, 28, 1103-1127.	10.2	143
1302	Lightweight Assessment of Test-Case Effectiveness Using Source-Code-Quality Indicators. IEEE Transactions on Software Engineering, 2021, 47, 758-774.	5.6	25
1303	Multi-objective optimization approach on diffuse sound transmission through poroelastic composite sandwich structure. Journal of Sandwich Structures and Materials, 2021, 23, 1221-1252.	3.5	31
1304	The relationship between curvilinear structure enhancement and ridge detection methods. Visual Computer, 2021, 37, 2263-2283.	3.5	4
1305	Online learning method based on support vector machine for metallographic image segmentation. Signal, Image and Video Processing, 2021, 15, 571-578.	2.7	6
1306	A new evolutionary algorithm: Learner performance based behavior algorithm. Egyptian Informatics Journal, 2021, 22, 213-223.	6.8	59
1307	Investigating low-permeability sandstone based on physical experiments and predictive modeling. Underground Space (China), 2021, 6, 364-378.	7.5	9
1308	Validation of the Chinese Version of the Body Image Acceptance and Action Questionnaire and the Mediating Role of Body Image Flexibility in the Relationship Between Body Dissatisfaction and Psychological Distress. Behavior Therapy, 2021, 52, 539-551.	2.4	23

#	Article	IF	Citations
1309	An ensemble topic extraction approach based on optimization clusters using hybrid multi-verse optimizer for scientific publications. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 2765-2801.	4.9	13
1310	Self-adaptive salp swarm algorithm for engineering optimization problems. Applied Mathematical Modelling, 2021, 89, 188-207.	4.2	58
1311	A Bayesian Belief Network-based probabilistic mechanism to determine patient no-show risk categories. Omega, 2021, 100, 102296.	5.9	18
1312	Determining the optimum installation of energy storage systems in railway electrical infrastructures by means of swarm and evolutionary optimization algorithms. International Journal of Electrical Power and Energy Systems, 2021, 124, 106295.	5.5	18
1313	Automatic clustering algorithms: a systematic review and bibliometric analysis of relevant literature. Neural Computing and Applications, 2021, 33, 6247-6306.	5.6	66
1314	A comparative study of social group optimization with a few recent optimization algorithms. Complex & Intelligent Systems, 2021, 7, 249-295.	6.5	20
1315	GAPSO-H: A hybrid approach towards optimizing the cluster based routing in wireless sensor network. Swarm and Evolutionary Computation, 2021, 60, 100772.	8.1	90
1316	A comparative study of swarm intelligence and evolutionary algorithms on urban land readjustment problem. Applied Soft Computing Journal, 2021, 99, 106753.	7.2	7
1317	A machine learning approach for modeling and optimization of a CO2 post-combustion capture unit. Energy, 2021, 215, 119113.	8.8	28
1318	An extreme value theory based approach for calibration of microsimulation models for safety analysis. Simulation Modelling Practice and Theory, 2021, 106, 102172.	3.8	29
1319	An Enhanced Symbiotic Organism Search Algorithm (ESOS) for the Sizing Design of Pin Connected Structures. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2021, 45, 1371-1396.	1.9	6
1320	Cauchy with whale optimizer based eagle strategy for multi-level color hematology image segmentation. Neural Computing and Applications, 2021, 33, 5917-5949.	5.6	22
1321	Design of evolutionary optimized finite difference based numerical computing for dust density model of nonlinear Van-der Pol Mathieuâ€™s oscillatory systems. Mathematics and Computers in Simulation, 2021, 181, 444-470.	4.4	43
1322	Receding horizon control based on prioritised multi-operational ranges for greenhouse environment regulation. Computers and Electronics in Agriculture, 2021, 180, 105840.	7.7	5
1323	Multi-objective optimization and numerical modelling of helical coil spring for automotive application. Materials Today: Proceedings, 2021, 46, 4847-4853.	1.8	7
1324	Cognitive Evaluation of Machine Learning Agents. Cognitive Systems Research, 2021, 66, 100-121.	2.7	5
1325	Parallel multipopulation optimization for belief rule base learning. Information Sciences, 2021, 556, 436-458.	6.9	14
1326	Development and validation of a versatile hysteretic model for pre-compressed self-centering buckling-restrained brace. Journal of Constructional Steel Research, 2021, 177, 106473.	3.9	59

#	ARTICLE	IF	CITATIONS
1327	Monarch butterfly optimization: A comprehensive review. Expert Systems With Applications, 2021, 168, 114418.	7.6	131
1328	Multi-fidelity deep neural network surrogate model for aerodynamic shape optimization. Computer Methods in Applied Mechanics and Engineering, 2021, 373, 113485.	6.6	134
1329	Improved whale optimization algorithm based on random hopping update and random control parameter. Journal of Intelligent and Fuzzy Systems, 2021, 40, 363-379.	1.4	8
1330	A Voronoi-based method for land-use optimization using semidefinite programming and gradient descent algorithm. International Journal of Geographical Information Science, 2021, 35, 999-1031.	4.8	4
1331	Application of mutation operators to salp swarm algorithm. Expert Systems With Applications, 2021, 169, 114368.	7.6	20
1332	Multiobjective optimization and analysis of petroleum refinery catalytic processes: A review. Fuel, 2021, 288, 119678.	6.4	26
1333	Learning individual preferences from aggregate data: A genetic algorithm for discovering baskets of television shows with affinities to political and social interests. Expert Systems With Applications, 2021, 168, 114184.	7.6	1
1334	Comparison of the error-integral performance indexes in a GA-tuned PID controlling system of a PWR-type nuclear reactor point-kinetics model. Progress in Nuclear Energy, 2021, 132, 103604.	2.9	29
1335	Improved modularity-based approach for partition of Water Distribution Networks. Urban Water Journal, 2021, 18, 69-78.	2.1	8
1336	Golden eagle optimizer: A nature-inspired metaheuristic algorithm. Computers and Industrial Engineering, 2021, 152, 107050.	6.3	218
1337	Life-cycle cost-based optimization of MTMDs for tall buildings under multiple hazards. Structure and Infrastructure Engineering, 2021, 17, 921-940.	3.7	20
1338	An application of sine cosine algorithm-based fuzzy possibilistic c-ordered means algorithm to cluster analysis. Soft Computing, 2021, 25, 3469-3484.	3.6	13
1339	An innovative hybrid algorithm to solve nonconvex economic load dispatch problem with or without valve point effects. International Transactions on Electrical Energy Systems, 2021, 31, .	1.9	6
1340	A novel ensemble statistical topic extraction method for scientific publications based on optimization clustering. Multimedia Tools and Applications, 2021, 80, 37-82.	3.9	14
1341	Crowdsource-enabled integrated production and transportation scheduling for smart city logistics. International Journal of Production Research, 2021, 59, 2157-2176.	7.5	27
1342	Self-organized direction aware for regularized fuzzy neural networks. Evolving Systems, 2021, 12, 303-317.	3.9	11
1343	A complex-valued encoding satin bowerbird optimization algorithm for global optimization. Evolving Systems, 2021, 12, 191-205.	3.9	19
1344	Can past failures help identify vulnerable bridges to extreme events? A biomimetical machine learning approach. Engineering With Computers, 2021, 37, 1099-1131.	6.1	12

#	ARTICLE	IF	CITATIONS
1345	Nature-Inspired Optimization Algorithms Applied for Solving Charging Station Placement Problem: Overview and Comparison. Archives of Computational Methods in Engineering, 2021, 28, 91-106.	10.2	27
1346	Metaheuristic Approaches for Modeling and Optimization of FDM Process. Materials Forming, Machining and Tribology, 2021, , 483-504.	1.1	7
1347	Boosted Genetic Algorithm Using Machine Learning for Traffic Control Optimization. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 7112-7141.	8.0	23
1348	Adaptive Entropy Index Histogram Equalization for Poor Contrast Images. IEEE Access, 2021, 9, 6402-6437.	4.2	14
1349	An innovative hybrid algorithm for bound-unconstrained optimization problems and applications. Journal of Intelligent Manufacturing, 0, , 1.	7.3	5
1350	Scoring and Dynamic Hierarchy-Based NSGA-II for Multiobjective Workflow Scheduling in the Cloud. IEEE Transactions on Automation Science and Engineering, 2022, 19, 982-993.	5.2	37
1351	Artificial Intelligence in 3D Printing. Algorithms for Intelligent Systems, 2021, , 77-88.	0.6	1
1352	Using dual‐polarization GPS antenna with optimized adaptive neuro‐fuzzy inference system to improve single point positioning accuracy in urban canyons. Navigation, Journal of the Institute of Navigation, 2021, 68, 41-60.	2.8	10
1353	Analyzing the I/O Patterns of Deep Learning Applications. Communications in Computer and Information Science, 2021, , 3-16.	0.5	0
1354	Extensive Cooperative Content Caching and Delivery Scheme Based on Multicast for D2D-Enabled HetNets. IEEE Access, 2021, 9, 40884-40902.	4.2	4
1355	A theoretical investigation of 38-atom CuPd clusters: the effect of potential parameterisation on structure and segregation. Physical Chemistry Chemical Physics, 2021, 23, 15950-15964.	2.8	3
1356	Development of Face Recognition System by Using Deep Learning and Face-Net Algorithm in the Operations Processes. Lecture Notes on Data Engineering and Communications Technologies, 2021, , 93-105.	0.7	2
1357	Renewable Energy Based Economic Emission Load Dispatch Using Grasshopper Optimization Algorithm. , 2021, , 869-890.		1
1358	Genetic Algorithm for Singular Resource Constrained Project Scheduling Problems. IEEE Access, 2021, 9, 131767-131779.	4.2	3
1359	Multiclass SVM coupled with optimization techniques for segmentation and classification of medical images. , 2021, , 143-165.		1
1360	Simpler Hyperparameter Optimization for Software Analytics: Why, How, When?. IEEE Transactions on Software Engineering, 2022, 48, 2939-2954.	5.6	11
1361	Weld optimisation. Science and Technology of Welding and Joining, 2021, 26, 181-195.	3.1	13
1362	Efficient Cyber Attack Detection in Industrial Control Systems Using Lightweight Neural Networks and PCA. IEEE Transactions on Dependable and Secure Computing, 2022, 19, 2179-2197.	5.4	72

#	Article	IF	Citations
1363	Testing for IT Security: A Guided Search Pattern for Exploitable Vulnerability Classes. Lecture Notes in Computer Science, 2021, , 105-116.	1.3	1
1364	A Review on Community Detection in Large Complex Networks from Conventional to Deep Learning Methods: A Call for the Use of Parallel Meta-Heuristic Algorithms. IEEE Access, 2021, 9, 96501-96527.	4.2	16
1365	Cross Entropy Based Thresholding Segmentation of Magnetic Resonance Prostatic Images Using Metaheuristic Algorithms. Studies in Computational Intelligence, 2021, , 1-35.	0.9	0
1366	A Simple and Effective Approach for Tackling the Permutation Flow Shop Scheduling Problem. Mathematics, 2021, 9, 270.	2.2	21
1367	Genetic Algorithm Approach for Inventory and Supply Chain Management. , 2021, , 1175-1185.		0
1368	Genetic U-Net: Automatically Designed Deep Networks for Retinal Vessel Segmentation Using a Genetic Algorithm. IEEE Transactions on Medical Imaging, 2022, 41, 292-307.	8.9	41
1369	Genetic Algorithm with Iterative Learning Control for Estimation of the Parameters of Robot Dynamics. Mechanisms and Machine Science, 2021, , 226-235.	0.5	0
1370	ALGA: Active Learning-Based Genetic Algorithm for Accelerating Structural Optimization. AIAA Journal, 2021, 59, 330-344.	2.6	8
1371	Teaching Learning-Based Optimization With Evolutionary Binarization Schemes for Tackling Feature Selection Problems. IEEE Access, 2021, 9, 41082-41103.	4.2	14
1372	An improved version of salp swarm algorithm for solving optimal power flow problem. Soft Computing, 2021, 25, 4027-4052.	3.6	63
1373	Understanding the dynamics of inter-provincial migration in the Mekong Delta, Vietnam: an agent-based modeling study. Simulation, 2021, 97, 267-285.	1.8	8
1374	Sequence-Based Selection Hyper-Heuristic Model via MAP-Elites. IEEE Access, 2021, 9, 116500-116527.	4.2	6
1375	A modified multi-level cross-entropy algorithm for optimization of problems with discrete variables. Engineering With Computers, 2022, 38, 2683-2698.	6.1	2
1376	Introduction to Evolutionary Data Clustering and Its Applications. Algorithms for Intelligent Systems, 2021, , 1-21.	0.6	1
1377	Neuro-fuzzy analytics in athlete development (NueroFATH): a machine learning approach. Neural Computing and Applications, 0, , 1.	5.6	2
1378	Optimization of a Depiction Procedure for an Artificial Intelligence-Based Network Protection System Using a Genetic Algorithm. Applied Sciences (Switzerland), 2021, 11, 2012.	2.5	8
1379	GA–EDA: Hybrid Design Space Exploration Engine for Multicore Architecture. Journal of Circuits, Systems and Computers, 2021, 30, 2150181.	1.5	1
1380	Hybrid Heuristics for Marker Planning in the Apparel Industry. Arabian Journal for Science and Engineering, 2021, 46, 10077-10096.	3.0	5

#	ARTICLE	IF	CITATIONS
1381	Design and applications of an advanced hybrid meta-heuristic algorithm for optimization problems. Artificial Intelligence Review, 2021, 54, 5931-6010.	15.7	10
1382	Optimal Placement of Sensors for Controlling Smart Base Isolation Systems. International Journal of Structural Stability and Dynamics, 2021, 21, 2150055.	2.4	0
1383	Topological Optimization of Under-Platform Dampers With Moving Morphable Components and Global Optimization Algorithm for Nonlinear Frequency Response. Journal of Engineering for Gas Turbines and Power, 2021, 143, .	1.1	16
1384	Horse herd optimization algorithm: A nature-inspired algorithm for high-dimensional optimization problems. Knowledge-Based Systems, 2021, 213, 106711.	7.1	192
1385	Prediction of water shortage loss in situations with small samples based on an improved Gumbel copula. Journal of Earth System Science, 2021, 130, 1.	1.3	3
1386	Implementation of a Hybrid Classical-Quantum Annealing Algorithm for Logistic Network Design. SN Computer Science, 2021, 2, 1.	3.6	16
1387	Optimizing NFV placement for distributing micro-data centers in cellular networks. Journal of Supercomputing, 2021, 77, 8995-9019.	3.6	6
1388	Cluster Optimized Proximity Scaling. Journal of Computational and Graphical Statistics, 2021, 30, 1156-1167.	1.7	5
1389	Time Series Prediction Method Based on E-CRBM. Electronics (Switzerland), 2021, 10, 416.	3.1	1
1390	Optimization of weight and cost of cantilever retaining wall by a hybrid metaheuristic algorithm. Engineering With Computers, 2022, 38, 2897-2923.	6.1	29
1391	Solution of multi-objective transportation-p-facility location problem with effect of variable carbon emission by evolutionary algorithms. Soft Computing, 2021, 25, 9993-10005.	3.6	3
1392	Deep reinforcement learning control of white-light continuum generation. Optica, 2021, 8, 239.	9.3	23
1393	Evolutionary Optimization Strategy for Indoor Position Estimation Using Smartphones. Electronics (Switzerland), 2021, 10, 618.	3.1	5
1394	Reliability analysis and state transfer scheduling optimization of degrading load-sharing system equipped with warm standby components. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2021, 235, 1166-1179.	0.7	2
1395	Application of Extreme Gradient Boosting Based on Grey Relation Analysis for Prediction of Compressive Strength of Concrete. Advances in Civil Engineering, 2021, 2021, 1-14.	0.7	12
1396	Optimizing the optimizer: decomposition techniques for quantum annealing. Quantum Machine Intelligence, 2021, 3, 1.	4.8	8
1397	Reduction dimensionality of hyperspectral imagery using genetic algorithm and mutual information and normalized mutual information as a fitness function. International Review of Applied Sciences and Engineering, 2021, 12, 64-75.	0.4	2
1398	Design of tidal range energy generation schemes using a Genetic Algorithm model. Applied Energy, 2021, 286, 116506.	10.1	17

#	ARTICLE	IF	CITATIONS
1399	Towards efficient canonical polyadic decomposition on sunway many-core processor. Information Sciences, 2021, 549, 221-248.	6.9	2
1400	Towards Machine Learning for Error Compensation in Additive Manufacturing. Applied Sciences (Switzerland), 2021, 11, 2375.	2.5	19
1401	Approximately optimal subset selection for statistical design and modelling. Journal of Statistical Computation and Simulation, 2021, 91, 2490-2502.	1.2	0
1402	A General Framework Based on Machine Learning for Algorithm Selection in Constraint Satisfaction Problems. Applied Sciences (Switzerland), 2021, 11, 2749.	2.5	3
1403	LÃ©vy-flight moth-flame optimisation algorithm-based micro-grid equipment sizing: An integrated investment and operational planning approach. Energy and AI, 2021, 3, 100047.	10.6	21
1404	A novel hybrid model based on Bernstein polynomial with mixture of Gaussians for wind power forecasting. Applied Energy, 2021, 286, 116545.	10.1	61
1405	Effect of parametric enhancements on naked mole-rat algorithm for global optimization. Engineering With Computers, 2022, 38, 3351-3379.	6.1	5
1406	Features to Text: A Comprehensive Survey of Deep Learning on Semantic Segmentation and Image Captioning. Complexity, 2021, 2021, 1-19.	1.6	10
1407	Feasibility study for an automated engineering change process. International Journal of Production Research, 2021, 59, 4995-5010.	7.5	7
1408	Proportional Double Derivative Linear Quadratic Regulator Controller Using Improvised Grey Wolf Optimization Technique to Control Quadcopter. Applied Sciences (Switzerland), 2021, 11, 2699.	2.5	9
1409	A comparative study of nature-inspired metaheuristic algorithms using a three-phase hybrid approach for gene selection and classification in high-dimensional cancer datasets. Soft Computing, 2021, 25, 8683-8701.	3.6	18
1410	Gravity inversion for heterogeneous sedimentary basin with b-spline polynomial approximation using differential evolution algorithm. Geophysics, 2021, 86, F35-F47.	2.6	14
1411	Strategic design optimisation of multi-energy-storage-technology micro-grids considering a two-stage game-theoretic market for demand response aggregation. Applied Energy, 2021, 287, 116563.	10.1	36
1412	Vibration Reduction Using Tuned Mass Dampers in Composite Steel Box Girder Footbridge with Self-Anchored Suspension. International Journal of Structural Stability and Dynamics, 0, , 2150110.	2.4	11
1413	Pareto-Based Multiobjective Particle Swarm Optimization: Examples in Geophysical Modeling. , 0, , .		1
1414	Vertical-Axis Wind Turbine Blade-Shape Optimization Using a Genetic Algorithm and Direct-Forcing Immersed Boundary Method. Journal of Energy Engineering - ASCE, 2021, 147, .	1.9	5
1415	AI-Based Formulation for Mechanical and Workability Properties of Eco-Friendly Concrete Made by Waste Foundry Sand. Journal of Materials in Civil Engineering, 2021, 33, .	2.9	23
1416	A New Set of Mutation Operators for Dragonfly Algorithm. Arabian Journal for Science and Engineering, 2021, 46, 8761-8802.	3.0	2

#	Article	IF	Citations
1417	Evaluating and Optimizing Surface Soil Moisture Drydowns in the ORCHIDEE Land Surface Model at In Situ Locations. Journal of Hydrometeorology, 2021, 22, 1025-1043.	1.9	10
1418	Advanced metaheuristic optimization techniques in applications of deep neural networks: a review. Neural Computing and Applications, 2021, 33, 14079-14099.	5.6	60
1419	Development of a Structural Comparison Method to Promote Exploration of the Potential Energy Surface in the Global Optimization of Nanoclusters. Journal of Chemical Information and Modeling, 2021, 61, 1732-1744.	5.4	8
1420	Deep neural network hyper-parameter tuning through twofold genetic approach. Soft Computing, 2021, 25, 8747-8771.	3.6	25
1421	Protecting artificial intelligence IPs: a survey of watermarking and fingerprinting for machine learning. CAAI Transactions on Intelligence Technology, 2021, 6, 180-191.	8.1	13
1422	Classification of sleep apnea using EMD-based features and PSO-trained neural networks. Biomedizinische Technik, 2021, 66, 459-472.	0.8	5
1423	A Foreground Calibration for M-Channel Time-Interleaved Analog-to-Digital Converters Based on Genetic Algorithm. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 1444-1457.	5.4	24
1424	Automatic Calibration Module for an Urban Drainage System Model. Water (Switzerland), 2021, 13, 1419.	2.7	7
1425	Subsurface Topographic Modeling Using Geospatial and Data Driven Algorithm. ISPRS International Journal of Geo-Information, 2021, 10, 341.	2.9	19
1426	Humanoid Gait Pattern Generation with Orbital Energy. Journal of Circuits, Systems and Computers, 2021, 30, .	1.5	2
1427	Layout optimisation algorithms and reliability assessment of wind farm for microgrid integration: A comprehensive review. IET Renewable Power Generation, 2021, 15, 2063-2084.	3.1	9
1428	Machine Learning and Deep Learning Based Computational Techniques in Automatic Agricultural Diseases Detection: Methodologies, Applications, and Challenges. Archives of Computational Methods in Engineering, 2022, 29, 641-677.	10.2	83
1429	Topology optimization of reactive material structures for penetrative projectiles. Defence Technology, 2021, , .	4.2	2
1430	Robust Clustering Routing Method for Wireless Sensor Networks Considering the Locust Search Scheme. Energies, 2021, 14, 3019.	3.1	11
1431	Machine-learning optimized method for regional control of sound fields. Extreme Mechanics Letters, 2021, 45, 101297.	4.1	20
1432	Low Peak Derivative Sum of Sines. , 2021, , .		0
1433	Sharpe Oranı ve Treynor Endeksi Performans Ölçülerine Dayalı Genetik Algoritma Yaklaşımı. SDU Journal of Science, 0, , 17-35.	0.3	3
1434	Utilizing the Heterogeneity of Clinical Data for Model Refinement and Rule Discovery Through the Application of Genetic Algorithms to Calibrate a High-Dimensional Agent-Based Model of Systemic Inflammation. Frontiers in Physiology, 2021, 12, 662845.	2.8	17

#	Article	IF	Citations
1435	An adaptive sequential-filtering learning system for credit risk modeling. Soft Computing, 2021, 25, 8817-8824.	3.6	2
1436	An application of fuzzy linguistic summarization and fuzzy association rule mining to Kansei Engineering: a case study on cradle design. Journal of Ambient Intelligence and Humanized Computing, 2022, 13, 2533-2563.	4.9	7
1437	Sequential Node Attack of Complex Networks Based on Q-Learning Method. , 2021, , .		3
1438	A hierarchical knowledge guided backtracking search algorithm with self-learning strategy. Engineering Applications of Artificial Intelligence, 2021, 102, 104268.	8.1	9
1439	Cyber-physical systems for structural health monitoring: sensing technologies and intelligent computing. Journal of Supercomputing, 2022, 78, 766-809.	3.6	18
1440	Optimal Placement of Distribution Generation in Radial Distribution System Using Hybrid Genetic Dragonfly Algorithm. Technology and Economics of Smart Grids and Sustainable Energy, 2021, 6, 1.	2.6	21
1441	An enhanced symbiotic organisms search algorithm for design optimization of trusses with frequency constraints. Advances in Structural Engineering, 0, , 136943322110262.	2.4	2
1442	BiLSTM and dynamic fuzzy AHP-GA method for procedural game level generation. Neural Computing and Applications, 2021, 33, 9761-9773.	5.6	6
1443	Modeling Multi-Plant Capacitated Lot Sizing Problem with Interplant Transfer. International Journal of Mathematical, Engineering and Management Sciences, 2021, 6, 961-974.	0.7	1
1444	Memetic Harris Hawks Optimization: Developments and perspectives on project scheduling and QoS-aware web service composition. Expert Systems With Applications, 2021, 171, 114529.	7.6	53
1445	Optimization of weights in ELM for face recognition. Journal of Information and Optimization Sciences, 2021, 42, 1337-1352.	0.3	0
1446	Developing an SDSS for optimal sustainable roof covering planning based on UHI variation at neighborhood scale. Environmental Monitoring and Assessment, 2021, 193, 372.	2.7	1
1447	Automated Design of Unfolded Metaheuristics and the Effect of Population Size. , 2021, , .		3
1448	Global Optimisation through Hyper-Heuristics: Unfolding Population-Based Metaheuristics. Applied Sciences (Switzerland), 2021, 11, 5620.	2.5	8
1449	Artificialâ€Intelligenceâ€Enabled Reagentâ€Free Imaging Hematology Analyzer. Advanced Intelligent Systems, 2021, 3, 2000277.	6.1	11
1450	Improved Salp Swarm Algorithm with Simulated Annealing for Solving Engineering Optimization Problems. Symmetry, 2021, 13, 1092.	2.2	12
1451	Nature and Biologically Inspired Image Segmentation Techniques. Archives of Computational Methods in Engineering, 2022, 29, 1415-1442.	10.2	12
1452	Quantum-Inspired Estimation Of Distribution Algorithm To Solve The Travelling Salesman Problem. , 2021, , .		3

#	Article	IF	Citations
1453	Risk-based optimization of the debt service schedule in renewable energy project finance. Utilities Policy, 2021, 70, 101197.	4.0	8
1454	Automated clash-free optimization of steel reinforcement in RC frame structures using building information modeling and two-stage genetic algorithm. Automation in Construction, 2021, 126, 103676.	9.8	15
1455	EXPERIMENTAL ANALYSIS OF CUT QUALITY ON SS347 MATERIAL USING CO2 ASSISTED LASER BEAM CUTTING AND PARAMETRIC OPTIMIZATION USING GENETIC ALGORITHM. Surface Review and Letters, 0, , 2150085.	1.1	2
1456	Multi-objective optimization approach for channel selection and cross-subject generalization in RSVP-based BCIs. Journal of Neural Engineering, 2021, 18, 046076.	3.5	8
1457	Identification of crystal plasticity model parameters by multi-objective optimization integrating microstructural evolution and mechanical data. Computer Methods in Applied Mechanics and Engineering, 2021, 379, 113747.	6.6	31
1458	A fuzzy computational approach for selecting interdependent projects using prioritized criteria. Journal of Intelligent and Fuzzy Systems, 2021, 40, 11341-11354.	1.4	7
1459	Quantum inspired metaâ€heuristic approaches for automatic clustering of colour images. International Journal of Intelligent Systems, 2021, 36, 4852-4901.	5.7	5
1460	A review of heuristics and metaheuristics for community detection in complex networks: Current usage, emerging development and future directions. Swarm and Evolutionary Computation, 2021, 63, 100885.	8.1	28
1461	EBIC.JL. , 2021, , .		2
1462	Accelerating Analytics Using Improved Binary Particle Swarm Optimization for Discrete Feature Selection. Computer Journal, 0, , .	2.4	0
1463	Customized Summarizations of Visual Data Collections. Computer Graphics Forum, 2021, 40, 347-370.	3.0	0
1464	An Analytical Review on Rough Set Based Image Clustering. Archives of Computational Methods in Engineering, 2022, 29, 1643-1672.	10.2	12
1465	Classification of forest fire areas using machine learning algorithm. World Journal of Advanced Engineering Technology and Sciences, 2021, 3, 008-015.	0.2	2
1466	Optimized diffusers for shoe-box shaped performance halls. Applied Acoustics, 2021, 178, 108019.	3.3	3
1467	Cat and Mouse Based Optimizer: A New Nature-Inspired Optimization Algorithm. Sensors, 2021, 21, 5214.	3.8	52
1468	Economic Load Dispatch Incorporating Wind Power Using Hybrid Biogeography-Based Optimization. International Journal of Applied Metaheuristic Computing, 2021, 12, 54-80.	0.7	4
1469	Integrated forward and reverse logistics in cloud manufacturing: an agent-based multi-layer architecture and optimization via genetic algorithm. Production Engineering, 2021, 15, 801-819.	2.3	7
1470	Evolutionary design of neural network architectures: a review of three decades of research. Artificial Intelligence Review, 2022, 55, 1723-1802.	15.7	16

#	Article	IF	Citations
1471	Scheduling project with stochastic durations and time-varying resource requests: A metaheuristic approach. Computers and Industrial Engineering, 2021, 157, 107363.	6.3	9
1472	Improved Dragonfly Algorithm with Neighbourhood Structures. International Journal of Scientific Research in Science and Technology, 2021, , 303-309.	0.1	0
1473	Chameleon Swarm Algorithm: A bio-inspired optimizer for solving engineering design problems. Expert Systems With Applications, 2021, 174, 114685.	7.6	196
1474	Tunable network sound absorber based on additive manufacturing. Journal of the Acoustical Society of America, 2021, 150, 94-101.	1.1	7
1475	Neuro-evolutionary approach for optimal selection of EEG channels in motor imagery based BCI application. Biomedical Signal Processing and Control, 2021, 68, 102621.	5.7	18
1476	Ant colony optimization for mining gradual patterns. International Journal of Machine Learning and Cybernetics, 2021, 12, 2989-3009.	3.6	3
1477	An improved multi-objective genetic algorithm with heuristic initialization for service placement and load distribution in edge computing. Computer Networks, 2021, 194, 108146.	5.1	34
1478	Effective forecasting of stock market price by using extreme learning machine optimized by PSO-based group oriented crow search algorithm. Neural Computing and Applications, 2022, 34, 555-591.	5.6	15
1479	Optimization of a deteriorated two-warehouse inventory problem with all-unit discount and shortages via tournament differential evolution. Applied Soft Computing Journal, 2021, 107, 107388.	7.2	21
1480	Robust and Scalable Flatâ€Optics on Flexible Substrates via Evolutionary Neural Networks. Advanced Intelligent Systems, 2021, 3, 2100105.	6.1	13
1481	Clustering probabilistic graphs using neighbourhood paths. Information Sciences, 2021, 568, 216-238.	6.9	6
1482	Cooperative meta-heuristic algorithms for global optimization problems. Expert Systems With Applications, 2021, 176, 114788.	7.6	14
1483	Rubber bushing optimization by using a novel chaotic krill herd optimization algorithm. Soft Computing, 2021, 25, 14333-14355.	3.6	8
1484	A novel meta-heuristic algorithm for solving numerical optimization problems: Ali Baba and the forty thieves. Neural Computing and Applications, 2022, 34, 409-455.	5.6	64
1485	An Imitation and Heuristic Method for Scheduling with Subcontracted Resources. Mathematics, 2021, 9, 2098.	2.2	2
1486	Optimized fuzzy based symbiotic organism search algorithm for engineering design problem. Evolutionary Intelligence, 2023, 16, 197-228.	3.6	1
1487	Efficient Bayesian inference using adversarial machine learning and low-complexity surrogate models. Computers and Chemical Engineering, 2021, 151, 107322.	3.8	6
1488	Assessment of Energy Arbitrage Using Energy Storage Systems: A Wind Parkâ€™s Perspective. Energies, 2021, 14, 4718.	3.1	4

#	Article	IF	Citations
1489	Multi-stage optimization of the installation of Energy Storage Systems in railway electrical infrastructures with nature-inspired optimization algorithms. Engineering Applications of Artificial Intelligence, 2021, 104, 104370.	8.1	5
1490	Guidance of Unmanned Surface Vehicle Fleet Using Genetic Algorithm-Based Approach. Advances in Intelligent Systems and Computing, 2022, , 187-197.	0.6	1
1491	A Framework for Video Popularity Forecast Utilizing Metaheuristic Algorithms. Arabian Journal for Science and Engineering, 0, , 1.	3.0	0
1492	Setorização em redes de distribuição de água: uma revisão bibliográfica sistemática. Research, Society and Development, 2021, 10, e206101220330.	0.1	0
1493	Boosting Arithmetic Optimization Algorithm with Genetic Algorithm Operators for Feature Selection: Case Study on Cox Proportional Hazards Model. Mathematics, 2021, 9, 2321.	2.2	55
1494	Intelligent Search of Values for a Controller Using the Artificial Bee Colony Algorithm to Control the Velocity of Displacement of a Robot. Algorithms, 2021, 14, 273.	2.1	3
1495	Metaheuristics for the online printing shop scheduling problem. European Journal of Operational Research, 2021, 293, 419-441.	5.7	14
1496	Primary frequency regulation in power grids with on–off loads: Chattering, limit cycles and convergence to optimality. Automatica, 2021, 131, 109736.	5.0	6
1497	Prediction of daily chlorophyll-a concentration in rivers by water quality parameters using an efficient data-driven model: online sequential extreme learning machine. Acta Geophysica, 2021, 69, 2339-2361.	2.0	8
1498	A metamodel-based multi-objective optimization method to balance thermal comfort and energy efficiency in a campus gymnasium. Energy and Buildings, 2021, 253, 111513.	6.7	20
1499	A Novel Breast Cancer Diagnosis Scheme With Intelligent Feature and Parameter Selections. Computer Methods and Programs in Biomedicine, 2022, 214, 106432.	4.7	8
1500	Recognition of emotions in music through the Adaptive-Network-Based Fuzzy (ANFIS). Journal of New Music Research, 2021, 50, 342-354.	0.8	3
1501	Estimation of fracture network properties from FMI and conventional well logs data using artificial neural network. Upstream Oil and Gas Technology, 2021, 7, 100044.	2.3	8
1502	Feature selection for support vector regression using a genetic algorithm. Biostatistics, 2023, 24, 295-308.	1.5	1
1503	Hybrid SFO and TLBO optimization for biodegradable classification. Soft Computing, 2021, 25, 15417-15443.	3.6	3
1504	Application of Genetic Algorithm-Based Support Vector Machine in Identification of Gene Expression Signatures for Psoriasis Classification: A Hybrid Model. BioMed Research International, 2021, 2021, 1-10.	1.9	14
1505	Nonlinear-based Chaotic Harris Hawks Optimizer: Algorithm and Internet of Vehicles application. Applied Soft Computing Journal, 2021, 109, 107574.	7.2	54
1506	Functionalization of remote sensing and on-site data for simulating surface water dissolved oxygen: Development of hybrid tree-based artificial intelligence models. Marine Pollution Bulletin, 2021, 170, 112639.	5.0	58

#	Article	IF	Citations
1507	A new hybrid multi-level cross-entropy-based moth-flame optimization algorithm. Soft Computing, 2021, 25, 14245-14279.	3.6	7
1508	Development of a genetic algorithm and its application to a bi-level problem of system cost optimal electricity price zone configurations. Energy Economics, 2021, 101, 105422.	12.1	6
1509	Improving AMSR2 total precipitable water vapour model using metaheuristic algorithms. Hydrological Sciences Journal, 2021, 66, 2102-2115.	2.6	3
1510	Past present future: a new human-based algorithm for stochastic optimization. Soft Computing, 2021, 25, 12915-12976.	3.6	24
1511	Memetic algorithms for mapping p-body interacting systems in effective quantum 2-body Hamiltonians. Applied Soft Computing Journal, 2021, 110, 107634.	7.2	9
1512	Hybrid whale optimization algorithm with gathering strategies for high-dimensional problems. Expert Systems With Applications, 2021, 179, 115032.	7.6	35
1513	Innovation lives in ecotones, not ecosystems. Journal of Business Research, 2021, 135, 572-580.	10.2	13
1514	A multi-objective evolutionary algorithm based on length reduction for large-scale instance selection. Information Sciences, 2021, 576, 105-121.	6.9	16
1515	Hyper-Heuristics to customise metaheuristics for continuous optimisation. Swarm and Evolutionary Computation, 2021, 66, 100935.	8.1	34
1516	Active flow control optimisation on SD7003 airfoil at pre and post-stall angles of attack using synthetic jets. Applied Mathematical Modelling, 2021, 98, 435-464.	4.2	21
1517	A logic for reflective ASMs. Science of Computer Programming, 2021, 210, 102691.	1.9	1
1518	Optimized DMA Partition to Reduce Background Leakage Rate in Water Distribution Networks. Journal of Water Resources Planning and Management - ASCE, 2021, 147, .	2.6	14
1519	In vitro antioxidant, antihyperglycemic, anti-inflammatory, and antimicrobial activity of Satureja kitaibelii Wierzb. ex Heuff. subcritical water extract. Industrial Crops and Products, 2021, 169, 113672.	5.2	24
1520	Bi-objective optimization for customersâ€™ satisfaction improvement in a Public Bicycle Sharing System. Computers and Industrial Engineering, 2021, 161, 107587.	6.3	16
1521	Mapping functions: A physics-guided, data-driven and algorithm-agnostic machine learning approach to discover causal and descriptive expressions of engineering phenomena. Measurement: Journal of the International Measurement Confederation, 2021, 185, 110098.	5.0	10
1522	Fuzzy Inference System Tree with Particle Swarm Optimization and Genetic Algorithm: A novel approach for PM10 forecasting. Expert Systems With Applications, 2021, 183, 115376.	7.6	19
1523	A Regularization by Denoising super-resolution method based on genetic algorithms. Signal Processing: Image Communication, 2021, 99, 116505.	3.2	15
1524	Service-Driven Modeling Approach to Managing Water Allocation in Priority Doctrine Regions. Journal of Water Resources Planning and Management - ASCE, 2021, 147, 04021078.	2.6	1

#	ARTICLE	IF	CITATIONS
1525	Improving Genetic Algorithms for Optimal Land-Use Allocation. Journal of the Urban Planning and Development Division, ASCE, 2021, 147, 04021049.	1.7	8
1526	An overview of optimization techniques used for sizing of hybrid renewable energy systems. Renewable Energy Focus, 2021, 39, 1-26.	4.5	34
1527	RAI: Rapid, Autonomous and Intelligent machine learning approach to identify fire-vulnerable bridges. Applied Soft Computing Journal, 2021, 113, 107896.	7.2	14
1528	Elitist non-dominated sorting Harris hawks optimization: Framework and developments for multi-objective problems. Expert Systems With Applications, 2021, 186, 115747.	7.6	33
1529	Optimal scheduling of distributed energy resources in microgrid systems based on electricity market pricing strategies by a novel hybrid optimization technique. International Journal of Electrical Power and Energy Systems, 2022, 134, 107419.	5.5	66
1530	Application of Self-adaptive Vision-Correction Algorithm for Water-Distribution Problem. KSCE Journal of Civil Engineering, 2021, 25, 1106-1115.	1.9	3
1531	An enhanced pathfinder algorithm for engineering optimization problems. Engineering With Computers, 2022, 38, 1481-1503.	6.1	13
1532	Performance-Aware Approach for Software Risk Management Using Random Forest Algorithm. International Journal of Software Innovation, 2021, 9, 12-19.	0.4	11
1533	Solving Complex Classification Problems using Multiobjective Evolutionary Optimization. Procedia Computer Science, 2021, 192, 1982-1991.	2.0	0
1534	Data-Driven Generative Design Integrated with Hybrid Additive Subtractive Manufacturing (HASM) for Smart Cities. Advanced Sciences and Technologies for Security Applications, 2021, , 205-228.	0.5	2
1536	Determination of Optimal Ordering Policy Using Genetic Algorithm for a Multi-stage Serial Supply Chain. Lecture Notes in Mechanical Engineering, 2021, , 507-514.	0.4	1
1537	Progressive Ensemble Kernel-Based Broad Learning System for Noisy Data Classification. IEEE Transactions on Cybernetics, 2022, 52, 9656-9669.	9.5	13
1539	Teaching-learning-based pathfinder algorithm for function and engineering optimization problems. Applied Intelligence, 2021, 51, 5040-5066.	5.3	29
1540	Heuristic Approach Performances for Artificial Neural Networks Training. Advances in Medical Diagnosis, Treatment, and Care, 2021, , 382-401.	0.1	0
1541	A novel approach for particle swarm optimization€based clustering with dual sink mobility in wireless sensor network. International Journal of Communication Systems, 2020, 33, .	2.5	12
1542	String Selection Problems. SpringerBriefs in Optimization, 2013, , 27-49.	0.3	1
1543	A Knowledge-Intensive Genetic Algorithm for Supervised Learning. , 1993, , 33-72.		11
1544	What Makes a Problem Hard for a Genetic Algorithm? Some Anomalous Results and Their Explanation. , 1993, , 129-163.		5

#	Article	IF	Citations
1545	Fuzzy Modeling. Computational Biology, 2011, , 179-205.	0.2	2
1547	Classification and Clustering Algorithms of Machine Learning with their Applications. Studies in Computational Intelligence, 2020, , 225-248.	0.9	14
1548	Lidar-Monocular Visual Odometry with Genetic Algorithm for Parameter Optimization. Lecture Notes in Computer Science, 2019, , 358-370.	1.3	8
1549	Yajna and Mantra Science Bringing Health and Comfort to Indo-Asian Public: A Healthcare 4.0 Approach and Computational Study. Learning and Analytics in Intelligent Systems, 2020, , 357-390.	0.6	9
1550	An Empirical Exploration of Deep Recurrent Connections Using Neuro-Evolution. Lecture Notes in Computer Science, 2020, , 546-561.	1.3	3
1552	Deep Learning Assisted Memetic Algorithm for Shortest Route Problems. Lecture Notes in Computer Science, 2020, , 109-121.	1.3	2
1553	Support Vector Machine for Path Loss Predictions in Urban Environment. Lecture Notes in Computer Science, 2020, , 995-1006.	1.3	7
1554	Microcontroller Implementation of a Multi Objective Genetic Algorithm for Real-Time Intelligent Control. Advances in Intelligent Systems and Computing, 2014, , 71-80.	0.6	10
1555	Comparison between Differential Evolution Algorithm and Particle Swarm Optimization for Market Clearing with Voltage Dependent Load Models. Lecture Notes in Computer Science, 2013, , 209-221.	1.3	1
1556	Gene Selection Using Multi-objective Genetic Algorithm Integrating Cellular Automata and Rough Set Theory. Lecture Notes in Computer Science, 2013, , 144-155.	1.3	9
1557	Voxel Robot: A Pneumatic Robot with Deformable Morphology. Lecture Notes in Computer Science, 2014, , 230-239.	1.3	2
1558	Automated Classification of Airborne Laser Scanning Point Clouds. Springer Proceedings in Mathematics and Statistics, 2014, , 269-292.	0.2	8
1559	A New Grammatical Evolution Based on Probabilistic Context-free Grammar. Proceedings in Adaptation, Learning and Optimization, 2015, , 1-12.	1.6	8
1560	An Ecosystem Algorithm for the Dynamic Redistribution of Bicycles in London. Lecture Notes in Computer Science, 2015, , 39-51.	1.3	5
1561	An Air Quality and Event Detection System with Life Logging for Monitoring Household Environments. , 2017, , 251-270.		5
1562	Meta-heuristics for Improved RF Emitter Localization. Lecture Notes in Computer Science, 2017, , 207-223.	1.3	1
1564	A Hybrid System of Deep Learning and Learning Classifier System for Database Intrusion Detection. Lecture Notes in Computer Science, 2017, , 615-625.	1.3	11
1565	Similarity Based Rough Sets. Lecture Notes in Computer Science, 2017, , 94-107.	1.3	10

#	Article	IF	Citations
1566	A Genetic Algorithm for Discovering Linguistic Communities in Spatiosocial Tensors with an Application to Trilingual Luxemburg. Communications in Computer and Information Science, 2017, , 630-644.	0.5	1
1567	A Hybrid GA-GP Method for Feature Reduction in Classification. Lecture Notes in Computer Science, 2017, , 591-604.	1.3	6
1569	Particle Swarm Optimisation. Studies in Computational Intelligence, 2019, , 15-31.	0.9	18
1570	A Complex-Valued Encoding Satin Bowerbird Optimization Algorithm for Global Optimization. Lecture Notes in Computer Science, 2018, , 834-839.	1.3	5
1572	Beauty and Brains: Integrating Easy Spatial Design and Advanced Urban Sustainability Models. Lecture Notes in Geoinformation and Cartography, 2013, , 469-484.	1.0	14
1573	A Survey of Meta-heuristics Used for Computing Maximin Latin Hypercube. Lecture Notes in Computer Science, 2014, , 25-36.	1.3	5
1574	Genetic Algorithm and Particle Swarm Optimization: Analysis and Remedial Suggestions. Lecture Notes in Networks and Systems, 2017, , 437-441.	0.7	1
1575	How Meta-heuristic Algorithms Contribute to Deep Learning in the Hype of Big Data Analytics. Advances in Intelligent Systems and Computing, 2018, , 3-25.	0.6	34
1577	How Effective is the Salp Swarm Algorithm in Data Classification. Advances in Intelligent Systems and Computing, 2020, , 579-588.	0.6	22
1578	Role of Soft Computing Techniques in Software Effort Estimation: An Analytical Study. Advances in Intelligent Systems and Computing, 2020, , 807-831.	0.6	7
1579	Opposition Theory Enabled Intelligent Whale Optimization Algorithm. Lecture Notes in Electrical Engineering, 2020, , 485-493.	0.4	2
1580	A Survey on the Latest Development of Machine Learning in Genetic Algorithm and Particle Swarm Optimization. Algorithms for Intelligent Systems, 2020, , 91-112.	0.6	4
1582	Binary Harris Hawks Optimizer for High-Dimensional, Low Sample Size Feature Selection. Algorithms for Intelligent Systems, 2020, , 251-272.	0.6	49
1583	A Review on Complex System Engineering. Journal of Systems Science and Complexity, 2020, 33, 1755-1784.	2.8	7
1584	A Comprehensive Review and Analysis of Operating Room and Surgery Scheduling. Archives of Computational Methods in Engineering, 2021, 28, 1667-1688.	10.2	34
1585	Bio-inspired algorithms: principles, implementation, and applications to wireless communication. , 2020, , 49-63.		10
1586	Optimized controller design for islanded microgrid employing nondominated sorting firefly algorithm. , 2020, , 247-272.		3
1587	Unified Design Strategies for Particulate Products. Advances in Chemical Engineering, 2015, , 1-81.	0.9	22

#	Article	IF	Citations
1588	Automated generation of optimal thematic architectural layouts using image processing. Automation in Construction, 2020, 117, 103255.	9.8	8
1589	Chapter 14. Machine Learning Applications in Chemical Engineering. RSC Theoretical and Computational Chemistry Series, 2020, , 340-371.	0.7	3
1590	Uncertain wind power forecasting using LSTMâ€based prediction interval. IET Renewable Power Generation, 2020, 14, 2657-2667.	3.1	39
1591	Machine learning for vibrational spectroscopy via divide-and-conquer semiclassical initial value representation molecular dynamics with application to N-methylacetamide. Journal of Chemical Physics, 2020, 153, 204104.	3.0	23
1592	Genetic algorithm enhanced by machine learning in dynamic aperture optimization. Physical Review Accelerators and Beams, 2018, 21, .	1.6	43
1593	UAV path planning in the presence of static and dynamic obstacles. , 2020, , .		6
1594	Objective Model Selection for Identifying the Human Feedforward Response in Manual Control. IEEE Transactions on Cybernetics, 2018, 48, 2-15.	9.5	10
1595	Automatically Designing CNN Architectures Using the Genetic Algorithm for Image Classification. IEEE Transactions on Cybernetics, 2020, 50, 3840-3854.	9.5	473
1596	Inverse Approach Using Bio-Inspired Algorithm Within Bayesian Framework for the Estimation of Heat Transfer Coefficients During Solidification of Casting. Journal of Heat Transfer, 2020, 142, .	2.1	6
1597	An Overview on Nature-Inspired Optimization Algorithms and Their Possible Application in Image Processing Domain. Pattern Recognition and Image Analysis, 2020, 30, 614-631.	1.0	16
1598	Surprise Search. , 2016, , .		33
1599	Automated identification of libraries from vulnerability data. , 2020, , .		9
1600	An Indexed Bibliography of Genetic Algorithms. , 1995, , .		29
1601	A new swarm intelligent optimization algorithm: Pigeon Colony Algorithm (PCA). Smart Structures and Systems, 2016, 18, 425-448.	1.9	8
1602	Regarding the Behavior of Bison Runners Within the Bison Algorithm. Mendel, 2018, 24, 63-70.	1.0	4
1603	Divide and conquer algorithm for nondiffracting beams. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2019, 36, 1968.	1.5	7
1604	Hardness Analysis and Empirical Studies of the Relations among Robustness, Topology and Flow in Dynamic Networks. PLoS ONE, 2015, 10, e0145421.	2.5	2
1605	Learning to Select Supplier Portfolios for Service Supply Chain. PLoS ONE, 2016, 11, e0155672.	2.5	5

#	Article	IF	Citations
1606	Identifying the perceptive users for online social systems. PLoS ONE, 2017, 12, e0178118.	2.5	3
1607	Optimization to the Phellinus experimental environment based on classification forecasting method. PLoS ONE, 2017, 12, e0185444.	2.5	1
1608	The Nuclear Techniques and the Selection of Model Parameters in Big Data. International Journal of Database Theory and Application, 2014, 7, 151-162.	0.2	1
1609	A Genetic Algorithm Approach for Breaking of Simplified Data Encryption Standard. International Journal of Security and Its Applications, 2015, 9, 295-304.	0.8	6
1610	RFSEN-ELM: SELECTIVE ENSEMBLE OF EXTREME LEARNING MACHINES USING ROTATION FOREST FOR IMAGE CLASSIFICATION. Neural Network World, 2017, 27, 499-517.	0.8	8
1611	Using Evolutionary Algorithms for the Scheduling of Aircrew on Airborne Early Warning and Control System. Defence Science Journal, 2020, 70, 240-248.	0.8	2
1612	Task Scheduling in Cloud Computing using Lion Optimization Algorithm. International Journal of Advanced Computer Science and Applications, 2017, 8, .	0.7	24
1613	The Modelling of Wind Farm Layout Optimization for the Reduction of Wake Losses. Indian Journal of Science and Technology, 2015, 8, .	0.7	10
1614	Fast bearing fault diagnosis of rolling element using LÃ©vy Moth-Flame optimization algorithm and Naive Bayes. Eksploatacja I Niezawodnosc, 2020, 22, 730-740.	2.0	42
1615	An Enhanced Opposition-based Firefl y Algorithm for Solving Complex Optimization Problems. Jurnal Kejuruteraan, 2014, 26, 89-96.	0.3	4
1616	Protein Fold Recognition Using Genetic Algorithm Optimized Voting Scheme and Profile Bigram. Journal of Software, 2016, 11, 756-767.	0.6	23
1617	Optimal Convolutional Neural Network Architecture Design Using Clonal Selection Algorithm. International Journal of Machine Learning and Computing, 2019, 9, 788-794.	0.6	10
1618	Damage localization and quantification of composite beam structures using residual force and optimization. Journal of Vibroengineering, 2017, 19, 4977-4988.	1.0	4
1619	A ROBUST HARMONY SEARCH ALGORITHM BASED MARKOV MODEL FOR NODE DEPLOYMENT IN HYBRID WIRELESS SENSOR NETWORKS. International Journal of GEOMATE, 2016, , .	0.3	2
1620	Learning the Edit Costs of Graph Edit Distance Applied to Ligand-Based Virtual Screening. Current Topics in Medicinal Chemistry, 2020, 20, 1582-1592.	2.1	10
1621	Modified Cuckoo Search Algorithm using a New Selection Scheme for Unconstrained Optimization Problems. Current Medical Imaging, 2020, 16, 307-315.	0.8	10
1622	Genetic Algorithm-based Feature Selection Approach for Enhancing the Effectiveness of Similarity Searching in Ligand-based Virtual Screening. Current Bioinformatics, 2020, 15, 431-444.	1.5	9
1625	Neural Synchronization Using Genetic Algorithm for Secure Key Establishment. Journal of Engineering Science and Technology Review, 2015, 8, 152-156.	0.4	1

#	Article	IF	Citations
1626	Comparative study of particle swarm optimization and artificial bee colony algorithms. , 0, , .		2
1627	KonvolÃ¼syonel Sinir AÄŸlarÄ±nda Hiper-Parametre Optimizasyonu YÃ¶ntemlerinin Ä°ncelenmesi. Gazi Ãœniversitesi Fen Bilimleri Dergisi, 2019, 7, 503-522.	0.6	20
1628	Application of Artificial Intelligence in Mechanical Engineering. , 2017, , .		7
1629	Using syntactic information for improving <i>why</i>-question answering. , 2008, , .		16
1630	Robot Pose Estimation Based on Visual Information and Particle Swarm Optimization. Intelligent Automation and Soft Computing, 2018, 24, 431-442.	2.1	2
1632	Application of Genetic Algorithm Elements to Modelling of Rotation Processes in Motion Transmission Including a Long Shaft. Energies, 2021, 14, 115.	3.1	9
1633	S235JR Ã‡eliÄŸi iÃ§in Tornalama Ä°ÅŸlemi SonrasÄ± YÃ¼zey PÃ¼rÃ¼zlÃ¼lÃ¼ÄŸÃ¼ ve Kesici TakÄ±m UÃ§ SÄ±caklÄ±ÄŸÄ±nÄ±n Tahr Bir Ã‡alÄ±ÅŸma. Konya Journal of Engineering Sciences, 0, 7, 966-974.	0.3	3
1634	Adoption of Machine Learning Techniques in Ecology and Earth Science. One Ecosystem, 0, 1, e8621.	0.0	120
1636	OPTIMAL DESIGN OF HOUSING ATTICS WITH INTEGRATED SOLAR COLLECTORS. Journal of Green Building, 2017, 12, 1-20.	0.8	1
1637	Wheelchair Secure Navigation with RF Signal Triangulation and Genetic Algorithm Optimization. Advances in Computational Intelligence and Robotics Book Series, 2015, , 750-792.	0.4	2
1638	Adaptive Hybrid Higher Order Neural Networks for Prediction of Stock Market Behavior. Advances in Computational Intelligence and Robotics Book Series, 2016, , 174-191.	0.4	4
1639	Recent Developments in Derivative-Free Multiobjective Optimisation. Computational Technology Reviews, 2012, 5, 1-30.	0.6	27
1640	Irrigation Scheduling Using Remote Sensing Data Assimilation Approach. Advances in Remote Sensing, 2013, 02, 258-268.	0.9	11
1641	Genetic Algorithm Based Node Deployment in Hybrid Wireless Sensor Networks. Communications and Network, 2013, 05, 273-279.	0.8	48
1642	Knowledge Discovering in Corporate Securities Fraud by Using Grammar Based Genetic Programming. Journal of Computer and Communications, 2014, 02, 148-156.	0.9	3
1643	Adaptive Uniform Circular Array Synthesis Using Cuckoo Search Algorithm. Journal of Electromagnetic Analysis and Applications, 2016, 08, 71-78.	0.2	4
1644	Una revisiÃ³n de tÃ©cnicas para la optimizaciÃ³n del despliegue y planificaciÃ³n de sistemas de tiempo real distribuidos. RIAI - Revista Iberoamericana De Automatica E Informatica Industrial, 2019, 16, 249.	1.0	4
1645	A Hybrid Genetic Algorithm for 2D Protein Folding Simulations. International Journal of Computer Applications, 2016, 139, 38-43.	0.2	2

#	Article	IF	Citations
1646	DIGITAL INVESTIGATIONS OF AN ARCHAEOLOGICAL SMART POINT CLOUD: A REAL TIME WEB-BASED PLATFORM TO MANAGE THE VISUALISATION OF SEMANTICAL QUERIES. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-5/W1, 581-588.	0.2	3
1647	DIFFERENT OPTIMAL BAND SELECTION OF HYPERSPECTRAL IMAGES USING A CONTINUOUS GENETIC ALGORITHM. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-2/W3, 249-253.	0.2	9
1648	Applications of Genetic Algorithm on Optimal Sequence for Parrondo Games. , 2014, , .		6
1649	Combining Bayesian Approaches and Evolutionary Techniques for the Inference of Breast Cancer Networks. , 2016, , .		1
1651	Development of the new meta-heuristic optimization algorithm inspired by a vision correction procedure: Vision Correction Algorithm. Journal of the Korea Academia-Industrial Cooperation Society, 2016, 17, 117-126.	0.1	2
1652	A Study on Optimization of Fillet in Laser Welding Process for 9% Ni Steel Using Gradient-Based Optimization Algorithm. Journal of Welding and Joining, 2020, 38, 485-492.	1.3	9
1653	A Hybrid Algorithm for Solving Vendors Managed Inventory (VMI) Model with the Goal of Maximizing Inventory Turnover in Producer Warehouse. Industrial Engineering and Management Systems, 2018, 17, 570-587.	0.4	4
1654	Design and Optimization of CMOS 0.18μm Low Noise Amplifier for Wireless Applications. International Journal of Information and Electronics Engineering, 2014, 4, .	0.2	3
1655	Multi-objective equilibrium optimizer: framework and development for solving multi-objective optimization problems. Journal of Computational Design and Engineering, 2021, 9, 24-50.	3.1	31
1656	Genetic algorithm for scheduling of parcel delivery by drones. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2021, 15, JAMDSM0069-JAMDSM0069.	0.7	11
1657	Minimum-Effort Task-based Design Optimization of Modular Reconfigurable Robots. , 2021, , .		3
1658	Designing a warehouse internal layout using a parabolic aisles based method. Advances in Production Engineering and Management, 2021, 16, 223-239.	1.2	3
1659	Using Long-Short Term Memory Networks with Genetic Algorithm to Predict Engine Condition. Gazi University Journal of Science, 2022, 35, 1200-1210.	1.2	6
1660	Motion-Encoded Electric Charged Particles Optimization for Moving Target Search Using Unmanned Aerial Vehicles. Sensors, 2021, 21, 6568.	3.8	8
1661	Application of Artificial Intelligence Models for modeling Water Quality in Groundwater: Comprehensive Review, Evaluation and Future Trends. Water, Air, and Soil Pollution, 2021, 232, 1.	2.4	26
1662	A novel equilibrium optimizer based on levy flight and iterative cosine operator for engineering optimization problems. Expert Systems, 2022, 39, e12843.	4.5	9
1663	Off-Grid Multi-Carrier Microgrid Design Optimisation: The Case of Rakiura–Stewart Island, Aotearoa–New Zealand. Energies, 2021, 14, 6522.	3.1	15
1664	Robust Temperature Control of a Variable-Speed Refrigeration System Based on Sliding Mode Control with Optimal Parameters Derived Using the Genetic Algorithm. Energies, 2021, 14, 6321.	3.1	1

#	Article	IF	Citations
1665	Anomaly Detection in Automotive Industry Using Clustering Methodsâ€"A Case Study. Applied Sciences (Switzerland), 2021, 11, 9868.	2.5	14
1666	An experimental analysis on evolutionary ontology meta-matching. Knowledge and Information Systems, 2021, 63, 2919.	3.2	2
1667	Optimizing the use of acoustic materials in office buildings. Scientific Reports, 2021, 11, 20652.	3.3	2
1668	An improved crow search algorithm based on oppositional forgetting learning. Applied Intelligence, 2022, 52, 7905-7921.	5.3	6
1669	A genetic programming learning approach to generate dispatching rules for flexible shop scheduling problems. International Journal of Production Economics, 2022, 243, 108342.	8.9	21
1670	Excogitating marine predators algorithm based on random oppositionâ€based learning for feature selection. Concurrency Computation Practice and Experience, 0, , e6630.	2.2	5
1671	An optimal design for S-shaped air intake diffusers using simultaneous entropy generation analysis and multi-objective genetic algorithm. European Physical Journal Plus, 2021, 136, 1.	2.6	3
1672	A two-phase quasi-affine transformation evolution with feedback for parameter identification of photovoltaic models. Applied Soft Computing Journal, 2021, 113, 107978.	7.2	8
1673	Teacher: A Genetics Based System for Learning and Generalizing Heuristics. , 2001, , 179-211.		2
1674	Symbolic Computation of Lyapunov Functions using Evolutionary Algorithms. , 2010, , .		2
1675	A Recommendation System Based-on Interactive Evolutionary Computation with Data Grouping. Journal of Institute of Control, Robotics and Systems, 2011, 17, 739-746.	0.2	3
1676	System Identification of Single Machine Infinite Bus Using GA-Fuzzy Technique. Advances in Intelligent and Soft Computing, 2012, , 111-119.	0.2	0
1677	An interactive evolutionary approach to designing novel recommender systems. International Journal of Physical Sciences, 2012, 7, .	0.4	3
1678	Revisiting Recommendation Systems. , 2013, , 129-151.		0
1679	Function-Space Assignment for Educational Facilities. International Journal of Information and Education Technology, 2013, , 161-166.	1.2	0
1680	The Affection of Gabor Parameters to Iris Recognition and Their Optimization. Lecture Notes in Computer Science, 2013, , 330-337.	1.3	0
1681	A Population Search Algorithm for Clustered Multivariate Solutions: Application to EEG Connectivity. , 2013, , .		0
1682	GA-CFS Approach to Increase the Accuracy of Estimates in Elections Participation. International Journal in Foundations of Computer Science & Technology, 2013, 3, 27-33.	0.3	0

#	ARTICLE	IF	CITATIONS
1683	Optimal Design of Press-Fitted Axle Shaft Considering Stress Relief. Journal of the Korean Society of Manufacturing Technology Engineers, 2013, 22, 859-864.	0.1	0
1684	Heuristic Resource Allocation Algorithms for Dynamic Load Balancing in Heterogeneous Distributed Computing System. Advances in Information Security, Privacy, and Ethics Book Series, 2014, , 181-209.	0.5	0
1685	Application of Biologically Inspired Techniques for Industrial and Environmental Research via Air Quality Monitoring Network. Advances in Data Mining and Database Management Book Series, 2014, , 272-298.	0.5	0
1686	Attack Graph-Based Risk Assessment and Optimisation Approach. Journal of Internet Technology and Secured Transaction, 2014, 3, 220-231.	0.2	1
1687	A Study on a Way to Utilize Big Data Analytics in the Defense Area. Journal of the Korean Operations Research and Management Science Society, 2014, 39, 1-19.	0.1	5
1688	Fixture Design Automation and Optimization Techniques: Review and Future Trends. International Journal of Engineering, Transactions B: Applications, 2014, 27, .	0.7	3
1689	El mercado cambiario y los contenidos en la prensa: un análisis empírico. Estudios Economicos, 2014, 31, 3-24.	0.2	0
1690	Data Integration Technology for Industrial and Environmental Research via Air Quality Monitoring Network. Advances in Knowledge Acquisition, Transfer and Management Book Series, 2015, , 158-192.	0.2	0
1693	From Learning Management System to Internet-Based Research in Mathematics Education. Advances in Mobile and Distance Learning Book Series, 2015, , 62-85.	0.5	0
1694	Process Analysis. Data-centric Systems and Applications, 2015, , 245-274.	0.2	0
1695	Calibration of Algal Growth Model Using Multi-objective Genetic Algorithm. International Journal of Environmental Science and Development, 2015, 6, 901-907.	0.6	1
1696	Application of Information and Communication Technology to Create E-Learning Environments for Mathematics Knowledge Learning to Prepare for Engineering Education. Advances in Educational Technologies and Instructional Design Book Series, 2015, , 438-467.	0.2	0
1698	Application of Artificial Intelligence Techniques to Handle the Uncertainty in the Chemical Process for Environmental Protection. Advances in Computational Intelligence and Robotics Book Series, 2015, , 446-477.	0.4	1
1699	A Genetic Algorithmic Approach for Energy Efficient Task Consolidation in Cloud Computing. International Journal of Computer Applications, 2015, 118, 1-6.	0.2	5
1700	Sequence Analysis with Motif-Preserving Genetic Algorithm for Iterated Parrondo Games. Studies in Computational Intelligence, 2016, , 33-48.	0.9	0
1701	Designing Fuzzy Controller for a Class of MIMO Nonlinear Systems Using Hybrid Elite Genetic Algorithm and Tabu Search. Studies in Systems, Decision and Control, 2016, , 121-144.	1.0	0
1702	Content Personalized Recommendation Engine to Support an Informal Learning Environment in the Health Context. Advances in Game-based Learning Book Series, 2016, , 451-482.	0.2	0
1703	A Variant of Genetic Algorithm Based Categorical Data Clustering for Compact Clusters and an Experimental Study on Soybean Data for Local and Global Optimal Solutions. International Journal of Advanced Computer Science and Applications, 2016, 7, .	0.7	3

#	ARTICLE	IF	CITATIONS
1704	Group Recommendation System for E-Learning Communities: A Multi-agent Approach. Communications in Computer and Information Science, 2016, , 35-46.	0.5	0
1705	A Novel Protocol Fuzz Testing Approach. , 2016, , .		0
1706	Ion Motion Optimization Algorithm Applied to CpG Island Prediction. Journal of Life Sciences and Technologies, 2016, , .	0.0	0
1707	Reservoir optimization with differential evolution. Vietnam Journal of Mechanics, 2016, 38, 39-48.	0.5	1
1708	Virtual Machine Migration Techniques used in Embedded Systems: A Review. International Journal of Computer Applications, 2016, 144, 40-46.	0.2	0
1709	MATHEMATICAL AND SIMULATION TECNIQUES FOR MODELLING URBAN TRAIN NETWORKS. South African Journal of Industrial Engineering, 2016, 27, .	0.2	0
1710	Production Planning & Control in a Job Shop Manufacturing Organization - A Case Study. SSRG International Journal of Engineering Trends and Technology, 2016, 38, 306-310.	0.5	0
1711	Automated Optimization Methods for Workflow Execution. Computer Communications and Networks, 2017, , 177-198.	0.8	0
1712	Distributed Classifier System for Smart Home's Machine Learning. , 2017, , 191-197.		0
1713	Marginal Abatement Cost Curves (MACC): Unsolved Issues, Anomalies, and Alternative Proposals. Green Energy and Technology, 2017, , 269-288.	0.6	0
1714	Peptide Markers based Prediction of Antigen Sequence using Neural Network. International Journal of Pure & Applied Bioscience, 2017, 5, 759-770.	0.1	0
1715	MetaheurÃstica para la soluciÃ³n del Transit Network Design Problem multiobjetivo con demanda multiperiodo. IngenierÃa Y Ciencia, 2017, 13, 29-69.	0.3	0
1716	Volume 2, Issue 3, Special issue on Recent Advances in Engineering Systems (Published Papers) Articles Transmit / Received Beamforming for Frequency Diverse Array with Symmetrical frequency offsets Shaddrack Yaw Nusenu Adv. Sci. Technol. Eng. Syst. J. 2(3), 1-6 (2017); View Description Detailed Analysis of Amplitude and Slope Diffraction Coefficients for knife-edge structure in S-UTD-CH Model Eray Arik, Mehmet Baris Tabakcioglu Adv. Sci. Technol. Eng. Syst. J. 2(3), 7-11 (2017); View Description Applica. Advances in Science, Technology and Engineering Systems, 2017, 2, 291-301.	0.5	0
1717	A Survey on Data Clustering. International Journal of Advanced Engineering and Management, 2017, 2, 183.	0.1	1
1718	Solving the Set Covering Problem Using Cat Swarm Optimization Algorithm with a Variable Mixture Rate and Population Restart. Advances in Intelligent Systems and Computing, 2018, , 156-166.	0.6	0
1719	The Revised Stochastic Simplex Bisection Algorithm and Particle Swarm Optimization. , 0, , .		0
1720	Limitations from Assumptions in Generative Music Evaluation. Journal of Creative Music Systems, 2017, 2, .	1.0	2
1721	A Parallel Framework for Multi-Population Cultural Algorithm and Its Applications in TSP. Lecture Notes in Computer Science, 2018, , 470-482.	1.3	3

#	Article	IF	Citations
1722	A Global Optimisation of a Switched Inertance Hydraulic System based on Genetic Algorithm. , 2017, , .		0
1723	Customersâ€™ Perception Towards Services of Telecommunications Operators. International Journal of Informatics and Communication Technology (IJ-ICT), 2017, 6, 146.	0.1	0
1724	PRISMO: Priority Based Spam Detection Using Multi Optimization. Lecture Notes in Computer Science, 2018, , 392-401.	1.3	0
1725	Classification of Erythematous - Squamous Skin Diseases Through SVM Kernels and Identification of Features with 1-D Continuous Wavelet Coefficient. Lecture Notes in Computer Science, 2018, , 107-120.	1.3	3
1726	Genetic Algorithm Approach for Inventory and Supply Chain Management. Advances in Logistics, Operations, and Management Science Book Series, 2018, , 468-478.	0.4	0
1727	From Learning Management System to Internet-Based Research in Mathematics Education. , 2018, , 746-770.		0
1728	Bi-objective Genetic Algorithm with Rough Set Theory for Important Gene Selection in Disease Diagnosis. , 2018, , 279-298.		0
1729	Optimal Structural Elements Sizing Using Neural Network and Adaptive Differential Algorithm. Advances in Business Information Systems and Analytics Book Series, 2018, , 93-134.	0.4	0
1730	Automated Design of Genetic Programming Classification Algorithms for Financial Forecasting Using Evolutionary Algorithms. Lecture Notes in Computer Science, 2018, , 201-214.	1.3	1
1731	Intelligence Planning for Aerobic Training Using a Genetic Algorithm. Advances in Intelligent Systems and Computing, 2018, , 196-207.	0.6	1
1732	Thermal Model Parameters Identification of Power Transformer Using Nature-Inspired Optimization Algorithms. Advances in Intelligent Systems and Computing, 2019, , 399-410.	0.6	0
1733	Introduction to Evolutionary Single-Objective Optimisation. Studies in Computational Intelligence, 2019, , 3-14.	0.9	6
1734	OPTIMAL VOLTAGE PROFILE FOR HEMISPHERICAL DEFLECTOR ENERGY ANALYZERS USING GENETIC ALGORITHM. MuÄŸla Journal of Science and Technology, 0, , 74-78.	0.1	0
1735	Application of Genetic Algorithms for the Estimation of Hydraulic Conductivity. Studia Geotechnica Et Mechanica, 2018, 40, 140-146.	0.5	0
1737	Estimation of Interfacial Heat Transfer Coefficient for Horizontal Directional Solidification of Sn-5Âwt%Pb Alloy Using Genetic Algorithm as Inverse Method. Advances in Intelligent Systems and Computing, 2019, , 447-459.	0.6	3
1738	Machine Learning for an Adaptive Rule Base. Lecture Notes in Computer Science, 2019, , 3-16.	1.3	0
1739	OutGene: Detecting Undefined Network Attacks with Time Stretching and Genetic Zooms. Lecture Notes in Computer Science, 2019, , 199-220.	1.3	3
1740	Applications of Artificial Intelligence and Machine Learning in Viral Biology. , 2019, , 1-39.		3

#	ARTICLE	IF	CITATIONS
1741	Genetic Algorithms for Capacity Estimation in Pluralistic Spectrum Licensing Simulations. Lecture Notes in Computer Science, 2019, , 275-280.	1.3	0
1742	Thermal Process Control Using Neural Model and Genetic Algorithm. Advances in Intelligent Systems and Computing, 2019, , 393-403.	0.6	0
1743	Homogeneous Feature Transfer and Heterogeneous Location Fine-Tuning for Cross-City Property Appraisal Framework. Communications in Computer and Information Science, 2019, , 161-174.	0.5	4
1744	Genetic Algorithm Based Pre-Processing Strategy for High Dimensional Micro-Array Gene Classification. Advances in Computational Intelligence and Robotics Book Series, 2019, , 22-46.	0.4	0
1745	Introducing the Run Support Strategy for the Bison Algorithm. Lecture Notes in Electrical Engineering, 2020, , 272-282.	0.4	3
1746	Distortion Optimization through Welding Simulation in Electric Vehicle Aluminum Assemblies. , 0, , .		1
1748	Application of Linear Programming - Genetic Algorithm Combination for Urmodi Reservoir Operation. , 2020, , 98-103.		1
1749	Derin Ã–ÄŸrenme Modelleri ve Uygulama AlanlarÄ±na Ä°liÅŸkin Bir Derleme. DÃœMF MÃ¼hendislik Dergisi, 2019, 10, 409-445.	0.2	19
1750	Border Strategies Of The Bison Algorithm. , 2019, , .		0
1751	Wellness Prediction Model for Hellenic Seamen Using Artificial Intelligence. International Journal of Computer Applications, 2019, 178, 1-6.	0.2	0
1752	Optimization Study For The Cross-Section Of A Concrete Gravity Dam: Genetic Algorithm Model And Application. Revista Internacional De Metodos Numericos Para Calculo Y Diseno En Ingenieria, 0, 35, .	0.1	2
1753	Comparison of GAs in black-box scenarios. , 2019, , .		0
1754	Quality Improvement of a Gear Transmission by Means of Genetic Algorithm. Quality Production Improvement - QPI, 2019, 1, 386-393.	0.2	0
1755	Logistics Planning for Hospital Pharmacy Trusteeship Under a Hybrid of Uncertainties. , 2020, , 189-213.		0
1756	Energy Efficient Resource Allocation in Cloud Computing. International Journal of Engineering and Advanced Technology, 2019, 8, 2071-2074.	0.3	3
1757	Inverse Kinematics Analysis of Serial Manipulators Using Genetic Algorithms. Advances in Intelligent Systems and Computing, 2020, , 519-529.	0.6	2
1758	Methodology of Extracting the ODF Maxima Using CSA. Studies in Computational Intelligence, 2020, , 61-76.	0.9	0
1759	Role of AI and Bio-Inspired Computing in Decision Making. EAI/Springer Innovations in Communication and Computing, 2020, , 115-136.	1.1	0

#	Article	IF	Citations
1760	Efficient optimization of pump scheduling for reduction of energy costs and Greenhouse gas emissions. Journal of Science and Technology Issue on Information and Communications Technology, 2019, 17, 5.	0.1	0
1761	Design optimization of semi-rigid plane steel frames with semi-rigid bases using biogeography-based optimization and genetic algorithms. Brilliant Engineering, 2019, 1, 10-20.	0.2	1
1762	Novel Competitive Swarm Optimizer for Sampling-Based Image Matting Problem. Advances in Intelligent Systems and Computing, 2020, , 109-120.	0.6	1
1763	Evolutionary Computation. , 2020, , 681-803.		1
1764	Test Suite Optimization Using Lion Search Algorithm. Advances in Intelligent Systems and Computing, 2020, , 77-90.	0.6	3
1765	Evolving a Deep Neural Network Training Time Estimator. Communications in Computer and Information Science, 2020, , 13-24.	0.5	1
1766	Fuzzy Multi-Objective Reliability Optimization of the Mixed Series–Parallel System Using Hybrid NSGA-II. Advances in Intelligent Systems and Computing, 2020, , 479-490.	0.6	0
1767	Whale Optimization Based Automatic Generation Control for Two Area Interconnected Thermal Power System. SKIT Research Journal, 2020, 10, 47.	0.0	0
1768	Çok Merkezli Girdap Arama Algoritması. Düzce Üniversitesi Bilim Ve Teknoloji Dergisi, 0, , .	0.7	3
1769	Feature selection for classification in Steady state visually evoked potentials (SSVEP)-based brain-computer interfaces with genetic algorithm. Bio-Algorithms and Med-Systems, 2020, 16, .	2.4	0
1771	A Machine Learning Algorithm to Predict Financial Investment. Lecture Notes on Data Engineering and Communications Technologies, 2021, , 261-266.	0.7	3
1772	Machine Coded Compact Genetic Algorithms for Real Parameter Optimization Problems. Alphanumeric Journal, 2020, 8, 43-58.	0.7	2
1773	Cuckoo Search Algorithm: Statistical-Based Optimization Approach and Engineering Applications. Springer Tracts in Nature-inspired Computing, 2021, , 79-99.	0.7	2
1774	Approximately optimal spatial design: How good is it?. Spatial Statistics, 2020, 37, 100409.	1.9	2
1775	Optimal Sequence Planning for Robotic Sorting of Recyclables From Source-Segregated Municipal Solid Waste. Journal of Computing and Information Science in Engineering, 2021, 21, .	2.7	2
1776	Parametrization of Reactive Potential using Genetic Algorithm and Machine Learning Techniques. , 0, , .		0
1777	Optimization of cotton dyeing with reactive dyestuff using multiobjective evolutionary algorithms. Chemometrics and Intelligent Laboratory Systems, 2021, 219, 104441.	3.5	2
1778	Clustering Data Using Techniques of Image Processing Erode and Dilate to Avoid the Use of Euclidean Distance. Studies in Computational Intelligence, 2020, , 187-203.	0.9	1

#	Article	IF	Citations
1779	Sweeping power system stabilisation with a parametric fuzzy predictive control of a generalised energy storage device. IET Generation, Transmission and Distribution, 2020, 14, 6087-6096.	2.5	4
1780	Clustering Research Papers Using Genetic Algorithm Optimized Self-Organizing Maps. , 2020, , .		5
1781	Parametric Hull Form Variation-based Genetic Algorithm for Reduced Ship Resistance. , 2020, , .		0
1782	Riskâ€constrained offering strategies for a largeâ€scale priceâ€maker electric vehicle demand aggregator. IET Smart Grid, 2020, 3, 860-869.	2.2	7
1783	A Generalized Encoding System for Alpha Oscillations Through Visual Saliency Analysis. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 2731-2743.	4.9	0
1784	Reactionsâ€™ Descriptors Selection and Yield Estimation Using Metaheuristic Algorithms and Voting Ensemble. Computers, Materials and Continua, 2022, 70, 4745-4762.	1.9	0
1785	IRKO: An Improved Runge-Kutta Optimization Algorithm for Global Optimization Problems. Computers, Materials and Continua, 2022, 70, 4803-4827.	1.9	26
1786	Optimal design of tuned liquid column damper inerter for vibration control. Mechanical Systems and Signal Processing, 2022, 167, 108553.	8.0	27
1787	Deep Learning for Political Science. , 2020, , 1053-1078.		6
1788	WATER SALINITY MAPPING OF KARUN BASIN LOCATED IN IRAN USING THE SVR METHOD. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-4/W18, 97-101.	0.2	3
1790	Routing of Maintenance and Repair Operations of Mobile Based Fault Notifications of Municipal Services. Lecture Notes on Data Engineering and Communications Technologies, 2020, , 320-334.	0.7	0
1791	Using Genetic Algorithms for Parameter Estimation of a Two-Component Circular Mixture Model. Advances in Intelligent Systems and Computing, 2020, , 99-110.	0.6	0
1792	Cascade PID Controller Optimization Using Bison Algorithm. Lecture Notes in Computer Science, 2020, , 406-416.	1.3	0
1793	Designing a State-of-the-Art Information System for Air Cargo Palletizing. Lecture Notes in Computer Science, 2020, , 382-387.	1.3	0
1794	Developing a futuristic multi-objective optimization of the fuel management problems for the nuclear research reactors. Kerntechnik, 2020, 85, 26-37.	0.2	3
1795	Evolving Long Short-Term Memory Networks. Lecture Notes in Computer Science, 2020, , 337-350.	1.3	4
1796	A New Genetic Algorithm for the Maximum Clique Problem. Lecture Notes on Data Engineering and Communications Technologies, 2020, , 766-774.	0.7	1
1797	Multidiscilinary design optimization for aircraft wing using response surface method, genetic algorithm, and simulated annealing. Journal of Science and Technology in Civil Engineering (STCE) - NUCE, 2020, 14, 28-41.	0.4	1

#	Article	IF	Citations
1798	Fog Data Based Statistical Analysis to Check Effects of Yajna and Mantra Science: Next Generation Health Practices. Studies in Big Data, 2020, , 145-172.	1.1	1
1800	Optimization Methods for Nonlinear Problems. Springer Geophysics, 2020, , 145-176.	0.9	0
1801	Nature-Inspired Algorithm-Based Feature Optimization for Epilepsy Detection. Advances in Intelligent Systems and Computing, 2020, , 259-269.	0.6	0
1802	Optimal Quality-Based Recycling and Reselling Prices of Returned SEPs in IoT Environment. Smart Innovation, Systems and Technologies, 2020, , 91-103.	0.6	0
1803	Artificial Electric Field Algorithm for Solving Real Parameter CEC 2017 Benchmark Problems. Advances in Intelligent Systems and Computing, 2020, , 161-169.	0.6	2
1805	Structure formation in binary systems hydrolysis lignin â€" oil product and thermochemical transformations of composites on their basis. Journal of the Belarusian State University Chemistry, 2020, , 3-18.	0.1	0
1806	Implementation of Encryption Technique for analysis of Image Transmission during COVID-19 Pandemic. , 2021, , .		0
1808	Three-Dimensional Subject-Specific Knee Shape Reconstruction with Asynchronous Fluoroscopy Images Using Statistical Shape Modeling. Frontiers in Bioengineering and Biotechnology, 2021, 9, 736420.	4.1	3
1809	Optimizing Urban LiDAR Flight Path Planning Using a Genetic Algorithm and a Dual Parallel Computing Framework. Remote Sensing, 2021, 13, 4437.	4.0	5
1810	A New Design Method for Optimal Parameters Setting of PSSs and SVC Damping Controllers to Alleviate Power System Stability Problem. Energies, 2021, 14, 7312.	3.1	9
1811	An integrated building energy performance evaluation method: From parametric modeling to GA-NN based energy consumption prediction modeling. Journal of Building Engineering, 2022, 45, 103571.	3.4	11
1812	Snow Leopard Optimization Algorithm: A New Nature-Based Optimization Algorithm for Solving Optimization Problems. Mathematics, 2021, 9, 2832.	2.2	9
1813	Groundwater Level Prediction Using a Multiple Objective Genetic Algorithm-Grey Relational Analysis Based Weighted Ensemble of ANFIS Models. Water (Switzerland), 2021, 13, 3130.	2.7	11
1814	Desarrollo de valor agregado en la auditorÃa de certificaciÃ³n en organizaciones de alta complejidad en Colombia con sistemas de gestiÃ³n. Signos, 2020, 12, .	0.1	0
1815	Optimal Distribution in Wireless Mesh Network with Enhanced Connectivity and Coverage. Advances in Intelligent Systems and Computing, 2021, , 1117-1128.	0.6	4
1816	Discovering Numerous Strassenâ€™s Equivalent Equations Using a Simple Micro Multimodal GA: Evolution in Action. , 2020, , .		0
1817	BISTRO. ACM Transactions on Intelligent Systems and Technology, 2020, 11, 1-27.	4.5	3
1818	Application of Information and Communication Technology to Create E-Learning Environments for Mathematics Knowledge Learning to Prepare for Engineering Education. Advances in Educational Technologies and Instructional Design Book Series, 0, , 345-373.	0.2	1

#	ARTICLE	IF	CITATIONS
1819	From Learning Management System to Internet-Based Research in Mathematics Education. , 0, , 1500-1523.		0
1820	Adaptive Hybrid Higher Order Neural Networks for Prediction of Stock Market Behavior. , 0, , 553-570.		4
1821	Application of Artificial Intelligence Techniques to Handle the Uncertainty in the Chemical Process for Environmental Protection. , 0, , 1229-1260.		0
1822	Application of Biologically Inspired Techniques for Industrial and Environmental Research via Air Quality Monitoring Network. , 0, , 1261-1288.		0
1823	A Comparative Study of Metaheuristic Techniques for the Thermoenvironomic Optimization of a Gas Turbine-Based Benchmark Combined Heat and Power System. Journal of Energy Resources Technology, Transactions of the ASME, 2021, 143, .	2.3	4
1824	Optimization of Base Energy Resolution in Hemispherical Deflector Analyzer by using Genetic Algorithm. Celal Bayar Universitesi Fen Bilimleri Dergisi, 2020, 16, 345-349.	0.5	1
1825	Mapping the Structure and Evolution of Genetic Algorithm Research. , 2020, , .		0
1826	Optimization Strategies for Efficient Antenna Design. UNIPA Springer Series, 2021, , 267-288.	0.1	0
1827	An Efficient Computational Model for Assessing the Stability Characteristics of Electro-active Natural Bio-resources. Recent Advances in Computer Science and Communications, 2020, 13, 771-780.	0.7	0
1828	An Improved Cuckoo Search Algorithm Utilizing Nonlinear Inertia Weight and Differential Evolution for Function Optimization Problem. IEEE Access, 2021, 9, 161352-161373.	4.2	9
1829	A Hybrid Genetic Algorithm and Sperm Swarm Optimization (HGASSO) for Multimodal Functions. International Journal of Applied Metaheuristic Computing, 2022, 13, 1-33.	0.7	11
1830	Adopting microservice architecture: A decision support model based on genetically evolved multi-layer FCM. Applied Soft Computing Journal, 2022, 114, 108066.	7.2	2
1831	Automating look-ahead schedule generation for construction using linked-data based constraint checking and reinforcement learning. Automation in Construction, 2022, 134, 104069.	9.8	17
1832	Cuckoo search with differential evolution mutation and Masi entropy for multi-level image segmentation. Multimedia Tools and Applications, 2022, 81, 4073-4117.	3.9	10
1833	SPI-Based Hybrid Hidden Markovâ€"GA, ARIMAâ€"GA, and ARIMAâ€"GAâ€"ANN Models for Meteorological Drought Forecasting. Sustainability, 2021, 13, 12576.	3.2	12
1834	PPO: a new nature-inspired metaheuristic algorithm based on predation for optimization. Soft Computing, 2022, 26, 1331-1402.	3.6	11
1835	An advanced hybrid algorithm for constrained function optimization with engineering applications. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 8185-8217.	4.9	4
1836	Improved Text Summarization of News Articles Using GA-HC and PSO-HC. Applied Sciences (Switzerland), 2021, 11, 10511.	2.5	4

#	ARTICLE	IF	CITATIONS
1837	An Optimal Geometry Configuration Algorithm of Hybrid Semi-Passive Location System Based on Mayfly Optimization Algorithm. Sensors, 2021, 21, 7484.	3.8	8
1838	A prediction model for complex equipment remaining useful life using gated recurrent unit complex networks. Enterprise Information Systems, 0, , 1-17.	4.7	3
1839	Optimal design of truss structures with frequency constraints: a comparative study of DE, IDE, LSHADE, and CMAES algorithms. Engineering With Computers, 2023, 39, 1499-1517.	6.1	4
1840	Optimization of concentrically braced steel frame structures based on SNI 1726:2019, SNI 1727:2020, SNI 1729:2020, and AISC 341-16. IOP Conference Series: Earth and Environmental Science, 2021, 907, 012010.	0.3	1
1841	A multistage distribution network planning method considering distributed generation active management and demand response. IET Renewable Power Generation, 2022, 16, 65-76.	3.1	6
1842	Golden sine cosine SALP swarm algorithm for shape matching using atomic potential function. Expert Systems, 2022, 39, e12854.	4.5	5
1843	Group teaching optimization algorithm with information sharing for numerical optimization and engineering optimization. Journal of Intelligent Manufacturing, 2023, 34, 1547-1571.	7.3	8
1844	Northern Goshawk Optimization: A New Swarm-Based Algorithm for Solving Optimization Problems. IEEE Access, 2021, 9, 162059-162080.	4.2	128
1846	Artificial intelligence models for suspended river sediment prediction: state-of-the art, modeling framework appraisal, and proposed future research directions. Engineering Applications of Computational Fluid Mechanics, 2021, 15, 1585-1612.	3.1	21
1847	iDRBP-EL: identifying DNA- and RNA- binding proteins based on hierarchical ensemble learning. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2022, PP, 1-1.	3.0	1
1848	ONION: A Simple and Effective Defense Against Textual Backdoor Attacks. , 2021, , .		24
1849	EOSMA: An Equilibrium Optimizer Slime Mould Algorithm for Engineering Design Problems. Arabian Journal for Science and Engineering, 2022, 47, 10115-10146.	3.0	25
1850	Classification of sport actions using principal component analysis and random forest based on three-dimensional data. Displays, 2022, 72, 102135.	3.7	6
1851	Twin and Multiple Black Holes Algorithm for Feature Selection. , 2020, , .		3
1852	Topological Optimization of Under-Platform Dampers With Moving Morphable Components and Global Optimization Algorithm for Nonlinear Frequency Response. , 2020, , .		1
1853	Autonomous virtual vehicles with FNN-GA and Q-learning in a video game environment. , 2020, , .		0
1854	Parameter extraction from technical datasheet documentation using technique optimized through genetic algorithm. , 2020, , .		0
1855	Text Classification using Convolutional Neural Network by Genetic Algorithms. , 2020, , .		2

#	Article	IF	Citations
1856	Methods Comparison for Optimal Capacitor Placement in Distribution System. , 2020, , .		7
1857	Kinematic Analysis of Planar 5R Symmetrical Parallel Manipulator using an Interval Approach. , 2020, , .		0
1858	Spiral-based Manta Ray Foraging Optimization to Optimize PID Control of a Flexible Manipulator. , 2020, , .		3
1859	On the Transfer Learning of Genetic Programming Classification Algorithms. Lecture Notes in Computer Science, 2021, , 47-58.	1.3	2
1860	A Game-Theoretic Analysis ofÂDeep Neural Networks. Lecture Notes in Computer Science, 2021, , 369-379.	1.3	1
1861	Population Genomics Along With Quantitative Genetics Provides a More Efficient Valorization of Crop Plant Genetic Diversity in Breeding and Pre-breeding Programs. Population Genomics, 2021, , .	0.5	1
1862	Social and Service Robots Deployed for Social Distancing - Optimization and Placement. , 2021, , .		0
1863	Exploiting variability in the design of genetic algorithms to generate telerehabilitation activities. Applied Soft Computing Journal, 2022, 117, 108441.	7.2	5
1864	Search in forest optimizer: a bioinspired metaheuristic algorithm for global optimization problems. Soft Computing, 2022, 26, 2325-2356.	3.6	6
1865	Transient stability improvement of wave energy conversion systems connected to power grid using anti-windup-coot optimization strategy. Energy, 2022, 245, 123321.	8.8	17
1866	Automatic and intelligent content visualization system based on deep learning and genetic algorithm. Neural Computing and Applications, 2022, 34, 2473-2493.	5.6	9
1867	A novel cascade optimization method based on butterfly optimization algorithm. Journal of Physics: Conference Series, 2022, 2147, 012008.	0.4	1
1868	Topology optimisation of friction under-platform dampers using moving morphable components and the efficient global optimization algorithm. Structural and Multidisciplinary Optimization, 2022, 65, 1.	3.5	6
1869	Efficient Stochastic Model for Operational Availability Optimization of Cooling Tower Using Metaheuristic Algorithms. IEEE Access, 2022, 10, 24659-24677.	4.2	34
1870	GlobDesOpt: A Global Optimization Framework for Optimal Robot Manipulator Design. IEEE Access, 2022, 10, 5012-5023.	4.2	4
1871	Improved gradual change-based Harris Hawks optimization for real-world engineering design problems. Engineering With Computers, 2023, 39, 1843-1883.	6.1	7
1872	A survey on soft computing-based high-utility itemsets mining. Soft Computing, 2022, 26, 6347-6392.	3.6	3
1873	Pelican Optimization Algorithm: A Novel Nature-Inspired Algorithm for Engineering Applications. Sensors, 2022, 22, 855.	3.8	235

#	ARTICLE	IF	CITATIONS
1874	Randomized Balanced Grey Wolf Optimizer (RBGWO) for solving real life optimization problems. Applied Soft Computing Journal, 2022, 117, 108429.	7.2	23
1875	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
1876	An integrated clustering algorithm based on firefly algorithm and self-organized neural network. Progress in Artificial Intelligence, 0, , 1.	2.4	2
1877	DTSMA: Dominant Swarm with Adaptive T-distribution Mutation-based Slime Mould Algorithm. Mathematical Biosciences and Engineering, 2022, 19, 2240-2285.	1.9	21
1879	Wrapper feature selection with partially labeled data. Applied Intelligence, 2022, 52, 12316-12329.	5.3	14
1880	Availability optimization of biological and chemical processing unit using genetic algorithm and particle swarm optimization. International Journal of Quality and Reliability Management, 2022, 39, 1704-1724.	2.0	9
1881	A hyper-parameter tuning approach for cost-sensitive support vector machine classifiers. Soft Computing, 2023, 27, 12863-12881.	3.6	7
1882	Supersonic Forward-Swept Wing Design Using Multifidelity Efficient Global Optimization. Journal of Aircraft, 2022, 59, 1027-1040.	2.4	3
1883	Classification of rotary machine fault considering signal differences. Journal of Mechanical Science and Technology, 2022, 36, 517-525.	1.5	2
1884	Multi-agent based sineâ€"cosine algorithm for optimal integration of DERs with consideration of existing OLTC in distribution networks. Applied Soft Computing Journal, 2022, 117, 108387.	7.2	3
1885	Improved Particle Swarm Based on Elastic Collision for DNA Coding Optimization Design. IEEE Access, 2022, 10, 63592-63605.	4.2	11
1886	Multimodal and multi-objective optimization algorithm based on two-stage search framework. Applied Intelligence, 0, , 1.	5.3	3
1887	A novel application of fuzzy inference system optimized with particle swarm optimization and genetic algorithm for PM10 prediction. Soft Computing, 2022, 26, 9573-9586.	3.6	6
1888	A hybrid salp swarm algorithm based on TLBO for reliability redundancy allocation problems. Applied Intelligence, 2022, 52, 12630-12667.	5.3	8
1889	Demand response-integrated investment and operational planning of renewable and sustainable energy systems considering forecast uncertainties: A systematic review. Renewable and Sustainable Energy Reviews, 2022, 158, 112095.	16.4	46
1890	Archery Algorithm: A Novel Stochastic Optimization Algorithm for Solving Optimization Problems. Computers, Materials and Continua, 2022, 72, 399-416.	1.9	14
1891	Machine Learning Technology and Its Current Implementation in Agriculture. Springer Optimization and Its Applications, 2022, , 41-73.	0.9	1
1892	Optimal Overbooking Appointment Scheduling in Hospitals Using Evolutionary Markov Decision Process. Communications in Computer and Information Science, 2022, , 294-301.	0.5	0

#	ARTICLE	IF	CITATIONS
1893	Tasmanian Devil Optimization: A New Bio-Inspired Optimization Algorithm for Solving Optimization Algorithm. IEEE Access, 2022, 10, 19599-19620.	4.2	84
1894	Artificial Intelligence Based State of Charge Estimation of Electric Vehicle Battery. Springer Proceedings in Energy, 2022, , 679-686.	0.3	3
1896	Diagnosis of each main coronary artery stenosis based on whale optimization algorithm and stacking model. Mathematical Biosciences and Engineering, 2022, 19, 4568-4591.	1.9	5
1897	LÃ©vy flight-based inverse adaptive comprehensive learning particle swarm optimization. Mathematical Biosciences and Engineering, 2022, 19, 5241-5268.	1.9	6
1898	An enhanced seagull optimization algorithm for solving engineering optimization problems. Applied Intelligence, 2022, 52, 13043-13081.	5.3	15
1899	Mixing Grain to Improve Profitability in Winter Wheat Using Evolutionary Algorithms. SN Computer Science, 2022, 3, 1.	3.6	2
1900	Performance analysis of SSA optimized fuzzy 1PD-PI controller on AGC of renewable energy assisted thermal and hydro-thermal power systems. Journal of Ambient Intelligence and Humanized Computing, 2022, 13, 4103-4122.	4.9	12
1901	The Use of Genetic Algorithm, Multikernel Learning, and Least-Squares Support Vector Machine for Evaluating Quality of Teaching. Scientific Programming, 2022, 2022, 1-11.	0.7	6
1902	Selecting Some Variables to Update-Based Algorithm for Solving Optimization Problems. Sensors, 2022, 22, 1795.	3.8	5
1903	SPGD: Search Party Gradient Descent Algorithm, a Simple Gradient-Based Parallel Algorithm for Bound-Constrained Optimization. Mathematics, 2022, 10, 800.	2.2	4
1904	How myocardial work could be relevant in patients with an aortic valve stenosis?. European Heart Journal Cardiovascular Imaging, 2022, 24, 119-129.	1.2	6
1905	Detection of captan residues in apple juiceusing fluorescence spectroscopy combinedwith genetic algorithm and support vectormachines. Applied Optics, 2022, 61, 3455-3462.	1.8	2
1906	Capturing Upper Body Kinematics and Localization with Low-Cost Sensors for Rehabilitation Applications. Sensors, 2022, 22, 2300.	3.8	8
1907	A new optimization algorithm based on average and subtraction of the best and worst members of the population for solving various optimization problems. PeerJ Computer Science, 2022, 8, e910.	4.5	13
1908	Case study of a novel multi-actuated optimized reconfigurable freeform surface (MORFS) mold for custom foot orthoses. International Journal of Advanced Manufacturing Technology, 0, , 1.	3.0	0
1909	Propriedade Intelectual Vs. InteligÃªncia Artificial: Novos Desafios Para O Direito Da Era TecnolÃ³gica. E3, 2022, 8, 033-043.	0.1	0
1910	Memory based hybrid crow search algorithm for solving numerical and constrained global optimization problems. Artificial Intelligence Review, 2023, 56, 27-99.	15.7	19
1911	Metaâ€heuristics algorithms for optimization of gains for dynamic voltage restorers to improve power quality and dynamics. Optimal Control Applications and Methods, 2023, 44, 1006-1025.	2.1	2

#	Article	IF	Citations
1912	FP-SMA: an adaptive, fluctuant population strategy for slime mould algorithm. Neural Computing and Applications, 2022, 34, 11163-11175.	5.6	7
1913	An enhanced flower pollinated algorithm with a modified fluctuation rate for global optimisation and load frequency control system. IET Renewable Power Generation, 2022, 16, 1220-1245.	3.1	13
1914	Improving the Forecasting of Winter Wheat Yields in Northern China with Machine Learningâ€"Dynamical Hybrid Subseasonal-to-Seasonal Ensemble Prediction. Remote Sensing, 2022, 14, 1707.	4.0	15
1915	A probabilistic data analytics methodology based on Bayesian Belief network for predicting and understanding breast cancer survival. Knowledge-Based Systems, 2022, 242, 108407.	7.1	11
1916	A genetic mixed-integer optimization of neural network hyper-parameters. Journal of Supercomputing, 2022, 78, 14680-14702.	3.6	2
1917	Using the genetic algorithm to detect kinetic parameters of thermoluminescence glow curves. Nuclear Instruments & Methods in Physics Research B, 2022, 517, 33-42.	1.4	3
1918	Systemic evolutionary chemical space exploration for drug discovery. Journal of Cheminformatics, 2022, 14, 19.	6.1	6
1919	Hybrid leader based optimization: a new stochastic optimization algorithm for solving optimization applications. Scientific Reports, 2022, 12, 5549.	3.3	22
1920	GGWO: Gaze cues learning-based grey wolf optimizer and its applications for solving engineering problems. Journal of Computational Science, 2022, 61, 101636.	2.9	65
1921	Optimization of a grating structure in hexagonal array with omnidirectional emission for daytime radiative cooling. Journal of Quantitative Spectroscopy and Radiative Transfer, 2022, 284, 108165.	2.3	8
1922	Computation Offloading and Task Scheduling with Fault-Tolerance for Minimizing Redundancy in Edge Computing. , 2021, , .		1
1923	Multi-fidelity convolutional neural network surrogate model for aerodynamic optimization based on transfer learning. Physics of Fluids, 2021, 33, .	4.0	24
1924	<scp>Râ€<CTS</scp>: Recognize the Indian cautionary traffic signs in <scp>realâ€<time</scp> using an optimized adaptive boosting cascade classifier and a convolutional neural network. Concurrency Computation Practice and Experience, 2022, 34, .	2.2	3
1925	MTV-MFO: Multi-Trial Vector-Based Moth-Flame Optimization Algorithm. Symmetry, 2021, 13, 2388.	2.2	32
1926	Genetic Algorithm Driven Linear Antenna Array Sidelobe Level Reduction. , 2021, , .		1
1927	A Review of Recent Advances in Machine Learning Approaches for Cyber Defense. , 2021, , .		0
1928	Non-Parametric Uncertainty Bias and Variance Estimation via Nested Bootstrapping and Influence Functions. , 2021, , .		1
1929	YÃ¼ksek Boyutlu Problemlerin Global Optimizasyonu iÃ§in Uygunluk Mesafe Dengesi TabanlÄ± Rehber MekanizmasÄ±yla Runge Kutta Optimize Edicinin Ä°yileÅŸtirilmesi. DÃ¼zce Ãœniversitesi Bilim Ve Teknoloji Dergisi, 2021, 9, 135-149.	0.7	7

#	Article	IF	Citations
1930	Global Optimizasyonu iÃ§in Uygunluk Mesafe Dengesi TabanlÄ± Rehber MekanÄ±zmasÄ±yla Slime Mould Optimize Edicinin Ä°yileÅŸtirilmesi. DÃ¼zce Ãœniversitesi Bilim Ve Teknoloji Dergisi, 2021, 9, 40-54.	0.7	3
1931	A Comparison of Surrogate Modeling Techniques for Global Sensitivity Analysis in Hybrid Simulation. Machine Learning and Knowledge Extraction, 2022, 4, 1-21.	5.0	1
1932	Improving the Convergence and Diversity in Differential Evolution Through a Stock Market Criterion. Lecture Notes in Computer Science, 2022, , 157-172.	1.3	2
1933	Optimization of Inert Gas Feeding Strategy in a Fixed-Bed Reactor for Efficient Water Splitting Via Solar-Driven Thermal Reduction of Nonstoichiometric CeO_2. Journal of Solar Energy Engineering, Transactions of the ASME, 2022, 144, .	1.8	1
1934	Optimal Planning of Integrated Energy System Considering Convertibility Index. Frontiers in Energy Research, 2022, 10, .	2.3	2
1935	Modeling methods of self-centering energy dissipation braces using OpenSees. Journal of Constructional Steel Research, 2022, 193, 107267.	3.9	7
1936	Agent-based simulation and simulation optimization approaches to energy planning under different scenarios: A hospital application case. Computers and Industrial Engineering, 2022, 169, 108163.	6.3	8
1937	Multiobjectives optimization in petroleum refinery catalytic desulfurization using Machine learning approach. Fuel, 2022, 322, 124088.	6.4	12
1938	Zebra Optimization Algorithm: A New Bio-Inspired Optimization Algorithm for Solving Optimization Algorithm. IEEE Access, 2022, 10, 49445-49473.	4.2	48
1940	Optimizing Multiple Sequence Alignment using Multi-Objective Genetic Algorithms. , 2022, , .		1
1941	Form Finding of Asymmetric Cable Network Reflector with Flexible Ring Truss. Applied Sciences (Switzerland), 2022, 12, 4508.	2.5	0
1942	Fractional mega trend diffusion function-based feature extraction for plant disease prediction. International Journal of Machine Learning and Cybernetics, 2023, 14, 187-212.	3.6	3
1943	A Summary of PID Control Algorithms Based on AI-Enabled Embedded Systems. Security and Communication Networks, 2022, 2022, 1-7.	1.5	5
1944	Deep Optimisation: Transitioning the Scale of Evolutionary Search by Inducing and Searching in Deep Representations. SN Computer Science, 2022, 3, .	3.6	0
1945	Optimum Design of Castellated Beams Using Four Recently Developed Meta-heuristic Algorithms. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2023, 47, 713-725.	1.9	12
1946	A Curve Approximation Approach Using Bio-inspired Polar Coordinate Bald Eagle Search Algorithm. International Journal of Computational Intelligence Systems, 2022, 15, 1.	2.7	7
1947	Using metaheuristic algorithms to optimize a mixed model-based ground-motion prediction model and associated variance components. Journal of Seismology, 0, , .	1.3	3
1948	A comprehensive survey on recent metaheuristics for feature selection. Neurocomputing, 2022, 494, 269-296.	5.9	119

#	Article	IF	Citations
1949	A new optimization algorithm based on mimicking the voting process for leader selection. PeerJ Computer Science, 0, 8, e976.	4.5	29
1950	Towards Metaheuristic Scheduling Techniques in Cloud and Fog: An Extensive Taxonomic Review. ACM Computing Surveys, 2023, 55, 1-43.	23.0	27
1951	Cancer Detection and Prediction Using Genetic Algorithms. Computational Intelligence and Neuroscience, 2022, 2022, 1-18.	1.7	11
1952	Optimization of Surgical Robotic Instrument Mounting in a Macroâ€"Micro Manipulator Setup for Improving Task Execution. IEEE Transactions on Robotics, 2022, 38, 2858-2874.	10.3	9
1953	Hyper-Parameter Optimization in Support Vector Machine on Unbalanced Datasets Using Genetic Algorithms. AIRO Springer Series, 2022, , 37-47.	0.6	4
1954	MEDEA: A Multi-objective Evolutionary Approach to DNN Hardware Mapping. , 2022, , .		3
1955	A Comprehensive Study on a Meta Heuristics Optimization Algorithm- Hybridized Mayfly Algorithm. , 2022, , .		0
1956	Single-ply elastic properties determination in CFRP laminates using a combined ultrasonic method. Journal of Intelligent Material Systems and Structures, 2022, 33, 2604-2615.	2.5	2
1957	Coupled Kansa and hybrid optimization methodological approach for Kolmogorovâ€"Feller equations. Engineering Analysis With Boundary Elements, 2022, 141, 127-139.	3.7	0
1958	Graph-based molecular Pareto optimisation. Chemical Science, 2022, 13, 7526-7535.	7.4	8
1959	Effective load balancing strategy using fuzzy golden eagle optimization in fog computing environment. Sustainable Computing: Informatics and Systems, 2022, 35, 100766.	2.2	4
1960	Magnetic and electric Purcell factor control through geometry optimization of high index dielectric nanostructures. Optics Express, 2022, 30, 20360.	3.4	18
1961	Fusing Local and Global Information for One-Step Multi-View Subspace Clustering. Applied Sciences (Switzerland), 2022, 12, 5094.	2.5	2
1962	An innovative quadratic interpolation salp swarm-based local escape operator for large-scale global optimization problems and feature selection. Neural Computing and Applications, 2022, 34, 17663-17721.	5.6	10
1963	A cooperative genetic algorithm based on extreme learning machine for data classification. Soft Computing, 2022, 26, 8585-8601.	3.6	5
1964	A Genetic Algorithm Approach to Automate Architecture Design for Acoustic Scene Classification. IEEE Transactions on Evolutionary Computation, 2023, 27, 222-236.	10.0	3
1965	Genetic Algorithm with Machine Learning to Estimate the Optimal Objective Function Values of Subproblems. , 2022, , .		1
1966	Optimum Sizing Design of Steel Frame Structures Using Evaporation Rate-Based Water Cycle Algorithm with Greedy Selection. International Journal of Steel Structures, 2022, 22, 958-981.	1.3	1

#	Article	IF	Citations
1968	Lightweight Optimization Design of Structures with Multiple Cellular Materials. International Journal of Applied Mechanics, 2022, 14, .	2.2	3
1969	A new human-based metaheuristic algorithm for solving optimization problems on the base of simulation of driving training process. Scientific Reports, 2022, 12, .	3.3	64
1970	All-day radiative cooling using a grating-patterned PDMS film emitter. Applied Thermal Engineering, 2022, 214, 118771.	6.0	13
1971	Five Phases Algorithm forÂGlobal Optimization. Smart Innovation, Systems and Technologies, 2022, , 81-97.	0.6	1
1972	Offensive Language Detection in Arabic Social Networks Using Evolutionary-Based Classifiers Learned From Fine-Tuned Embeddings. IEEE Access, 2022, 10, 75018-75039.	4.2	8
1973	Cognitive Diagnostic Model Made More Practical by Genetic Algorithm. IEEE Transactions on Emerging Topics in Computational Intelligence, 2023, 7, 447-461.	4.9	5
1974	Improved CEEMDAN, GA, and SVR Model for Oil Price Forecasting. Journal of Environmental and Public Health, 2022, 2022, 1-11.	0.9	2
1975	Optimal Allocation of Directional Relay for Efficient Energy Optimization in a Radial Distribution System. Energies, 2022, 15, 4709.	3.1	2
1976	A Hybrid Feature Selection Approach to Screen a Novel Set of Blood Biomarkers for Early COVID-19 Mortality Prediction. Diagnostics, 2022, 12, 1604.	2.6	5
1977	Classification of Intensity Distributions of Transmission Eigenchannels of Disordered Nanophotonic Structures Using Machine Learning. Applied Sciences (Switzerland), 2022, 12, 6642.	2.5	1
1978	A combined approach for cloud tasks scheduling based on NSGA-II and harmony search. Pollack Periodica, 2022, , .	0.4	0
1979	Using Reduced Basis Approximation for Efficient Surrogate-Based Inverse Identification of Thermo-Hydro-Mechanical Parameters from an In Situ Heating Test. Rock Mechanics and Rock Engineering, 0, , .	5.4	1
1980	Investigation on the Separation Performance and Multiparameter Optimization of Decanter Centrifuges. Processes, 2022, 10, 1284.	2.8	5
1981	Strong and reliable synaptic communication between pyramidal neurons in adult human cerebral cortex. Cerebral Cortex, 2023, 33, 2857-2878.	2.9	21
1982	Self-adaptive salp swarm algorithm for optimization problems. Soft Computing, 2022, 26, 9349-9368.	3.6	10
1983	Sâ€shaped and Vâ€shaped binary African vulture optimization algorithm for feature selection. Expert Systems, 2022, 39, .	4.5	11
1984	Recent advances and applications of surrogate models for finite element method computations: a review. Soft Computing, 2022, 26, 13709-13733.	3.6	53
1985	Modeling and optimization of coagulant dosageÂin water treatment plantsÂusing hybridized random forest model with genetic algorithm optimization. Environment, Development and Sustainability, 2023, 25, 11189-11207.	5.0	6

#	ARTICLE	IF	CITATIONS
1986	A hybrid approach for noise reduction-based optimal classifier using genetic algorithm: A case study in plant disease prediction. Intelligent Data Analysis, 2022, 26, 1023-1049.	0.9	3
1987	An innovative hybrid algorithm for solving combined economic and emission dispatch problems. Soft Computing, 2022, 26, 12635-12666.	3.6	1
1988	Optimization of accelerated solvent extraction of ellagitannins in black raspberry seeds using artificial neural network coupled with genetic algorithm. Food Chemistry, 2022, 396, 133712.	8.2	12
1989	GAAF: Searching Activation Functions for Binary Neural Networks Through Genetic Algorithm. Tsinghua Science and Technology, 2023, 28, 207-220.	6.1	4
1990	Fennec Fox Optimization: A New Nature-Inspired Optimization Algorithm. IEEE Access, 2022, 10, 84417-84443.	4.2	9
1991	A Fully-Autonomous Framework of Unmanned Surface Vehicles in Maritime Environments Using Gaussian Process Motion Planning. IEEE Journal of Oceanic Engineering, 2023, 48, 59-79.	3.8	7
1992	Universal 3-Dimensional Perturbations for Black-Box Attacks on Video Recognition Systems. , 2022, , .		6
1993	Machine Learning Approach to Predict Clinical Pregnancy Potential in Women Undergoing IVF Program. Fertility & Reproduction, 2022, 04, 77-87.	0.1	1
1994	Three-dimensional coil system for the generation of traceable magnetic vector fields. Journal of Sensors and Sensor Systems, 2022, 11, 211-218.	0.9	1
1995	A Hybrid SVR-Based Prediction Model for the Interfacial Bond Strength of Externally Bonded FRP Laminates on Grooves with Concrete Prisms. Polymers, 2022, 14, 3097.	4.5	6
1996	Towards a software tool for general meal optimisation. Applied Intelligence, 2023, 53, 7751-7775.	5.3	1
1997	Modelling Compression Strength of Waste PET and SCM Blended Cementitious Grout Using Hybrid of LSSVM Models. Materials, 2022, 15, 5242.	2.9	6
1998	Lowering water table reduces carbon sink strength and carbon stocks in northern peatlands. Global Change Biology, 2022, 28, 6752-6770.	9.5	8
1999	Feature Selection and Molecular Classification of Cancer Phenotypes: A Comparative Study. International Journal of Molecular Sciences, 2022, 23, 9087.	4.1	9
2000	INNA: An improved neural network algorithm for solving reliability optimization problems. Neural Computing and Applications, 2022, 34, 20865-20898.	5.6	3
2001	Automatic clustering of colour images using quantum inspired meta-heuristic algorithms. Applied Intelligence, 2023, 53, 9823-9845.	5.3	3
2002	Optimization of a non-instantaneous deteriorating inventory problem with time and price dependent demand over finite time horizon via hybrid DESGO algorithm. Expert Systems With Applications, 2023, 211, 118676.	7.6	13
2003	Machine learning for wildfire classification: Exploring blackbox, eXplainable, symbolic, and SMOTE methods. Natural Hazards Research, 2022, 2, 154-165.	3.8	12

#	ARTICLE	IF	CITATIONS
2004	Advanced environmental adaptation method. Applied Intelligence, 0, , .	5.3	0
2005	A Novel Forecasting Approach by the GA-SVR-GRNN Hybrid Deep Learning Algorithm for Oil Future Prices. Computational Intelligence and Neuroscience, 2022, 2022, 1-12.	1.7	0
2006	Modelling of masonry infills in existing steel moment-resisting frames: Nonlinear force-displacement relationship. Engineering Structures, 2022, 267, 114699.	5.3	3
2007	Water-sediment-energy joint operation model of large-scale reservoir group for sediment-laden rivers. Journal of Cleaner Production, 2022, 370, 133271.	9.3	6
2008	Swarm intelligence for new materials. Computational Materials Science, 2022, 214, 111699.	3.0	3
2009	Heap-based optimizer based on three new updating strategies. Expert Systems With Applications, 2022, 209, 118222.	7.6	3
2010	A genetic algorithm inspired optimized cluster head selection method in wireless sensor networks. Swarm and Evolutionary Computation, 2022, 75, 101151.	8.1	8
2011	Causality in structural engineering: discovering new knowledge by tying induction and deduction via mapping functions and explainable artificial intelligence. , 2022, 1, .		2
2012	Behavioural theory of reflective algorithms I: Reflective sequential algorithms. Science of Computer Programming, 2022, 223, 102864.	1.9	2
2013	Metaheuristic-based isolated microgrid sizing and uncertainty quantification considering EVs as shiftable loads. Energy Reports, 2022, 8, 11288-11308.	5.1	5
2014	Skill Optimization Algorithm: A New Human-Based Metaheuristic Technique. Computers, Materials and Continua, 2023, 74, 179-202.	1.9	12
2015	Comparing SSALEO as a Scalable Large Scale Global Optimization Algorithm to High-Performance Algorithms for Real-World Constrained Optimization Benchmark. IEEE Access, 2022, 10, 95658-95700.	4.2	7
2016	Symbiotic Learning Grey Wolf Optimizer for Engineering and Power Flow Optimization Problems. IEEE Access, 2022, 10, 95229-95280.	4.2	4
2017	Processing big data applications with optimistic genetic algorithm based association rule mining. AIP Conference Proceedings, 2022, , .	0.4	0
2018	Clouded Leopard Optimization: A New Nature-Inspired Optimization Algorithm. IEEE Access, 2022, 10, 102876-102906.	4.2	5
2019	An Effective Multi-Objective Bald Eagle Search Algorithm for Solving Engineering Design Problems. SSRN Electronic Journal, 0, , .	0.4	0
2020	Throughput Maximization for a Multicarrier Cell-Less NOMA Network: A Framework Based on Ensemble Metaheuristics. IEEE Transactions on Wireless Communications, 2023, 22, 348-361.	9.2	2
2021	An Adaptive Job Shop Scheduler Using Multilevel Convolutional Neural Network and Iterative Local Search. IEEE Access, 2022, 10, 88079-88092.	4.2	1

#	ARTICLE	IF	CITATIONS
2022	Radar Emitter Recognition Based on Deep Feature Selection Network. SSRN Electronic Journal, 0, , .	0.4	0
2023	Recent Trends in Face Recognition Using Metaheuristic Optimization. Studies in Systems, Decision and Control, 2022, , 85-112.	1.0	3
2024	A conjugated evolutionary algorithm for hyperparameter optimization. , 2022, , .		1
2025	Bilevel Optimization for Just-in-Time Robotic Kitting and Delivery via Adaptive Task Segmentation and Scheduling. , 2022, , .		1
2026	Performance of Structure Equipped AP-TMD Compared with MTMD, ATMD, and PTMD against Earthquake Using Genetic Fuzzy Algorithm. Advances in Civil Engineering, 2022, 2022, 1-20.	0.7	0
2027	Simulation and Genetic Algorithms to Improve the Performance of an Automated Manufacturing Line. Acta Technica Jaurinensis, 2022, 15, 174-187.	1.1	0
2029	Addressing constrained engineering problems and feature selection with a time-based leadership salp-based algorithm with competitive learning. Journal of Computational Design and Engineering, 2022, 9, 2235-2270.	3.1	9
2030	The applications of multiple route optimization heuristics and meta-heuristic algorithms to solid waste transportation: A case study in Turkey. Decision Analytics Journal, 2022, 4, 100113.	4.8	10
2031	Artificial intelligence techniques for predicting temperature associated with hydrocarbon depletion in contaminated areas. Technical Papers ... Rio Oil & Gas, 2022, 22, 318-319.	0.0	0
2032	Optimizing tribological performance in elevated temperature of TiC reinforced A356 matrix composites designed as automotive friction materials using dragonfly algorithm. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 0, , 095440622211239.	2.1	0
2033	Optimal sequencing of conventional distillation column train for multicomponent separation system by evolutionary algorithm. Chemical Product and Process Modeling, 2022, .	0.9	0
2034	Shape optimization of a snowboard sidecut geometry. Sports Engineering, 2022, 25, .	1.1	0
2035	Cellular manufacturing design 1996â€"2021: a review and introduction to applications of Industry 4.0. International Journal of Production Research, 2023, 61, 5585-5636.	7.5	9
2036	ETAP: Energy-aware Timing Analysis of Intermittent Programs. Transactions on Embedded Computing Systems, 2023, 22, 1-31.	2.9	5
2037	A new human-based metahurestic optimization method based on mimicking cooking training. Scientific Reports, 2022, 12, .	3.3	36
2038	Frequency component Kernel for SVM. Neural Computing and Applications, 2022, 34, 22449-22464.	5.6	2
2039	Re-ordering policies for inventory systems with a fluctuating economic environment â€" Using economic descriptors to model the demand process. Journal of the Operational Research Society, 2023, 74, 860-872.	3.4	1
2040	DNA barcoding: an efficient technology to authenticate plant species of traditional Chinese medicine and recent advances. Chinese Medicine, 2022, 17, .	4.0	17

#	ARTICLE	IF	CITATIONS
2041	Vehicle Routing for Municipal Waste Collection Systems: Analysis, Comparison and Application of Heuristic Methods. Lecture Notes in Mechanical Engineering, 2023, , 694-708.	0.4	0
2042	Integrated Neuro-Evolution-Based Computing Paradigm to Study the COVID-19 Transposition and Severity in Romania and Pakistan. International Journal of Computational Intelligence Systems, 2022, 15, .	2.7	5
2043	Digital workflow for climate resilient building faÃ§ade generation. Building Research and Information, 2023, 51, 257-278.	3.9	4
2044	Artificial Bee Colony andÂGenetic Algorithms forÂParameters Estimation ofÂWeibull Distribution. Studies in Computational Intelligence, 2023, , 309-325.	0.9	0
2045	A novel version of grey wolf optimizer based on a balance function and its application for hyperparameters optimization in deep neural network (DNN) for structural damage identification. Engineering Failure Analysis, 2022, 142, 106829.	4.0	12
2046	Attributes regrouping by genetic algorithm in fuzzy inference systems. Procedia Computer Science, 2022, 207, 1037-1046.	2.0	1
2047	Implementation of AI Techniques for Bioremediation and Wastewater Treatment. Advances in Medical Technologies and Clinical Practice Book Series, 2022, , 124-134.	0.3	0
2049	Modeling air pollution by integrating ANFIS and metaheuristic algorithms. Modeling Earth Systems and Environment, 2023, 9, 1621-1631.	3.4	15
2050	Application of Soft Computing for Estimation of Pavement Condition Indicators and Predictive Modeling. Frontiers in Built Environment, 0, 8, .	2.3	1
2051	Fault Diagnosis of Rotating Machinery Based on Evolutionary Convolutional Neural Network. Shock and Vibration, 2022, 2022, 1-9.	0.6	0
2052	Efficient estimation of tuned liquid column damper inerter (TLCDI) parameters for seismic control of baseâ€isolated structures. Computer-Aided Civil and Infrastructure Engineering, 0, , .	9.8	3
2053	Light gradient boosting machine with optimized hyperparameters for identification of malicious access in IoT network. Digital Communications and Networks, 2023, 9, 125-137.	5.0	11
2054	A game-theoretic perspective of deep neural networks. Theoretical Computer Science, 2022, , .	0.9	0
2055	A new human-inspired metaheuristic algorithm for solving optimization problems based on mimicking sewing training. Scientific Reports, 2022, 12, .	3.3	29
2056	A negative stiffness dynamic base absorber for seismic retrofitting of residential buildings. Structural Control and Health Monitoring, 2022, 29, .	4.0	14
2057	Design and performance assessment of a novel self-anchored pedestrian suspension bridge. Case Studies in Construction Materials, 2022, 17, e01569.	1.7	1
2058	Designing catalysts via evolutionary-based optimization techniques. Computational Materials Science, 2023, 216, 111833.	3.0	4
2059	A New Design Method for Class-E Power Amplifiers Using Artificial Intelligence Modeling for Wireless Power Transfer Applications. Electronics (Switzerland), 2022, 11, 3608.	3.1	11

#	ARTICLE	IF	CITATIONS
2060	Architecture Design forÂSkip-Connection Based CNNs. Studies in Computational Intelligence, 2023, , 147-170.	0.9	0
2061	Accelerating the discovery of novel magnetic materials using machine learningâ€"guided adaptive feedback. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	7
2062	Instigating the Sailfish Optimization Algorithm Based on Opposition-Based Learning to Determine the Salient Features From a High-Dimensional Dataset. International Journal of Information Technology and Decision Making, 0, , 1-33.	3.9	0
2063	Runoff prediction of urban stream based on the discharge of pump stations using improved multi-layer perceptron applying new optimizers combined with a harmony search. Journal of Hydrology, 2022, 615, 128708.	5.4	6
2064	Architecture Design forÂRBs andÂDBs Based CNNs. Studies in Computational Intelligence, 2023, , 127-145.	0.9	0
2065	Genetic algorithmâ€"assisted machine learning for clinical pregnancy prediction in in vitro fertilization. AJOG Global Reports, 2023, 3, 100133.	1.0	1
2066	Kernel density estimation by genetic algorithm. Journal of Statistical Computation and Simulation, 0, , 1-19.	1.2	0
2067	Model-based analysis of myocardial strains in left bundle branch block. Frontiers in Applied Mathematics and Statistics, 0, 8, .	1.3	0
2068	A node selection algorithm with a genetic method based on PBFT in consortium blockchains. Complex & Intelligent Systems, 2023, 9, 3085-3105.	6.5	6
2069	Hybridized model selection with Gifi system for categorical data using the genetic algorithm and information complexity. Electronic Commerce Research and Applications, 2023, 57, 101221.	5.0	1
2070	Siberian Tiger Optimization: A New Bio-Inspired Metaheuristic Algorithm for Solving Engineering Optimization Problems. IEEE Access, 2022, 10, 132396-132431.	4.2	6
2071	Language Education Optimization: A New Human-Based Metaheuristic Algorithm for Solving Optimization Problems. CMES - Computer Modeling in Engineering and Sciences, 2023, 136, 1527-1573.	1.1	4
2072	Deep Learning Hyperparameter Optimization forÂBreast Mass Detection inÂMammograms. Lecture Notes in Computer Science, 2022, , 270-283.	1.3	0
2073	k-Means KÃ¼meleme AlgoritmasÄ± ile Renk TabanlÄ± Segmantasyon ve Renk UzaylarÄ±nÄ±n GÃ¶rÃ¼ntÃ¼ Niceliklerine Etkisinin SayÄ±sal Analizi. El-Cezeri Journal of Science and Engineering, 0, , .	0.1	0
2074	A tool for the dynamic allocation of multiple marine activities. , 2022, , .		0
2075	A Novel Spectral Feature Selection Method Based on Binary Genetic Algorithm for Efficient Detection of Endometrial and Ovarian Cancers: Preliminary Results. , 2022, , .		0
2076	Ordering through learning in two-dimensional Ising spins. Physical Review E, 2022, 106, .	2.1	1
2077	Optimal Placement of Distributed Generation Based on Power Quality Improvement Using Self-Adaptive LÃ©vy Flight Jaya Algorithm. Clean Technologies, 2022, 4, 1242-1254.	4.2	5

#	ARTICLE	IF	CITATIONS
2078	Helix-HPSO approach for UAV path planning in a multi-building environment. Journal of Reliable Intelligent Environments, 0, , .	5.2	0
2079	Serval Optimization Algorithm: A New Bio-Inspired Approach for Solving Optimization Problems. Biomimetics, 2022, 7, 204.	3.3	15
2080	Beamforming based algorithm for 5G applications. Telecommunication Systems, 0, , .	2.5	0
2081	Estimation of Vehicle Longitudinal Velocity with Artificial Neural Network. Sensors, 2022, 22, 9516.	3.8	8
2082	A Novel Method to Analyze Ultrasonic-to-stiffness Sensitivity in Composites. Composite Structures, 2022, , 116596.	5.8	0
2083	Parameter extraction of three-diode solar photovoltaic model using a new metaheuristic resistanceâ€"capacitance optimization algorithm and improved Newtonâ€"Raphson method. Journal of Computational Electronics, 0, , .	2.5	4
2084	Analyzing the Impact of Strategic Behavior in an Evolutionary Learning Model Using a Genetic Algorithm. Computational Economics, 2024, 63, 437-475.	2.6	0
2085	Task-specific robot base pose optimization for robot-assisted surgeries. Frontiers in Robotics and AI, 0, 9, .	3.2	3
2086	Gamma DaÄŸÄ±lÄ±mÄ±nÄ±n Parametrelerinin Tahmini iÃ§in Metasezgisel YÃ¶ntemlerin DeÄŸerlendirilmesi ve KarÅŸÄ±laÅŸtÄ±rÄ±lmasÄ±. Nicel Bilimler Dergisi, 2022, 4, 96-119.	0.5	1
2087	Geometric design and optimization of scissor-type deployable structures. Journal of Building Engineering, 2023, 65, 105724.	3.4	0
2088	A review on technological aspects of different PWM techniques and its comparison based on different performance parameters. International Journal of Circuit Theory and Applications, 2023, 51, 2446-2498.	2.0	5
2089	Adaptive Resource Planning for AI Workloads with Variable Real-Time Tasks. Computers, Materials and Continua, 2023, 74, 6823-6833.	1.9	1
2090	A Survey and Tutorial on Network Optimization for Intelligent Transport System Using the Internet of Vehicles. Sensors, 2023, 23, 555.	3.8	12
2091	Deep Learning-Based Prediction Model of Fruit Growth Dynamics in Apple. , 2023, , 367-373.		0
2092	Multi Objective Optimal Power Flow Solutions using Improved Multi Objective Mayfly Algorithm (IMOMA). Journal of Circuits, Systems and Computers, 0, , .	1.5	2
2093	MMKE: Multi-trial vector-based monkey king evolution algorithm and its applications for engineering optimization problems. PLoS ONE, 2023, 18, e0280006.	2.5	15
2094	Interpretable Calibration of Crystal Plasticity Model Using a Bayesian Surrogate-Assisted Genetic Algorithm. Metals, 2023, 13, 166.	2.3	0
2095	Application of mechanical product design parameter optimization based on machine learning in identification. Production Planning and Control, 0, , 1-15.	8.8	1

#	Article	IF	Citations
2096	Billiards Optimization Algorithm: A New Game-Based Metaheuristic Approach. Computers, Materials and Continua, 2023, 74, 5283-5300.	1.9	1
2097	A theoretical model for simulating periodic processes of intermittent karst springs considering changed recharge rates into siphon cavity. Journal of Hydrology, 2023, 617, 129017.	5.4	2
2098	An intelligence-based hybrid PSO-SA for mobile robot path planning in warehouse. Journal of Computational Science, 2023, 67, 101938.	2.9	23
2099	Genetic algorithm for feature selection of EEG heterogeneous data. Expert Systems With Applications, 2023, 217, 119488.	7.6	7
2100	Qualitative and quantitative comparison of the genetic and hybrid genetic algorithm to estimate acoustic impedance from post-stack seismic data of Blackfoot field, Canada. Geophysical Journal International, 2023, 233, 932-949.	2.4	7
2101	Prediction of Remaining Life of Lithium-ion Battery Based on Improved Sparrow Algorithm. , 2022, , .		1
2102	An innovative time-varying particle swarm-based Salp algorithm for intrusion detection system and large-scale global optimization problems. Artificial Intelligence Review, 2023, 56, 8325-8392.	15.7	5
2103	Enhanced parallel salp swarm algorithm based on Taguchi method for application in the heatless combined cooling€power system. IET Generation, Transmission and Distribution, 2023, 17, 1256-1271.	2.5	1
2104	Deep learning based seismic response prediction of hysteretic systems having degradation and pinching. Earthquake Engineering and Structural Dynamics, 2023, 52, 2384-2406.	4.4	6
2105	Optimal allocation of agricultural water resources in Yanghe watershed considering blue water to green water ratio. Journal of the Science of Food and Agriculture, 2023, 103, 3558-3568.	3.5	0
2106	Comprehensive Analysis of Nature-Inspired Algorithms for Parkinson's Disease Diagnosis. IEEE Access, 2023, 11, 1629-1653.	4.2	4
2107	Revival of Classical Algorithms: A Bibliometric Study on the Trends of Neural Networks and Genetic Algorithms. Symmetry, 2023, 15, 325.	2.2	1
2108	Osprey optimization algorithm: A new bio-inspired metaheuristic algorithm for solving engineering optimization problems. Frontiers in Mechanical Engineering, 0, 8, .	1.8	60
2109	Optimal blind colour image watermarking based on adaptive chaotic grasshopper optimization algorithm. Imaging Science Journal, 2022, 70, 326-343.	0.5	3
2110	An Improved Gradient-Based Optimization Algorithm for Solving Complex Optimization Problems. Processes, 2023, 11, 498.	2.8	4
2111	A Survey on Learnable Evolutionary Algorithms for Scalable Multiobjective Optimization. IEEE Transactions on Evolutionary Computation, 2023, 27, 1941-1961.	10.0	3
2112	Single Seed Near-Infrared Hyperspectral Imaging for Classification of Perennial Ryegrass Seed. Sensors, 2023, 23, 1820.	3.8	2
2113	Techniques for optimal Placement of Electric Vehicle Charging Stations: A review. , 2023, , .		3

#	ARTICLE	IF	CITATIONS
2114	Optimization of scientific publications clustering with ensemble approach for topic extraction. Scientometrics, 2023, 128, 2819-2877.	3.0	3
2115	Methodology for load estimation in mooring chains using a fuzzy genetic model. Ocean Engineering, 2023, 276, 114197.	4.3	0
2116	Real-world K-Anonymity applications: The KGen approach and its evaluation in fraudulent transactions. Information Systems, 2023, 115, 102193.	3.6	3
2117	Design of patterns in tubular robots using DNN-metaheuristics optimization. International Journal of Mechanical Sciences, 2023, 251, 108352.	6.7	5
2118	Multi-fidelity optimization of a quiet propeller based on deep deterministic policy gradient and transfer learning. Aerospace Science and Technology, 2023, 137, 108288.	4.8	5
2119	Ensemble Learning Methods for Shear Strength Prediction of Fly Ash-Amended Soils with Lignin Reinforcement. Journal of Materials in Civil Engineering, 2023, 35, .	2.9	5
2120	Efficient Bayesian Network Construction for Increased Privacy on Synthetic Data. , 2022, , .		3
2121	Genetic algorithms: theory, genetic operators, solutions, and applications. Evolutionary Intelligence, 0, , .	3.6	13
2122	A differential evolutionary chromosomal gene expression programming technique for electronic nose applications. Applied Soft Computing Journal, 2023, 136, 110093.	7.2	2
2123	Neural Logic Circuits: An evolutionary neural architecture that can learn and generalize. Knowledge-Based Systems, 2023, 265, 110379.	7.1	1
2125	A Hybrid Machine Learning Approach to Screen Optimal Predictors for the Classification of Primary Breast Tumors from Gene Expression Microarray Data. Diagnostics, 2023, 13, 708.	2.6	6
2126	A Tutorial on Child Drawing Development Optimization. , 2023, , 153-167.		0
2127	Multi-objective optimization for the sustainability of infrastructure projects under the influence of climate change. Sustainable and Resilient Infrastructure, 2023, 8, 492-513.	2.8	1
2128	An Improved Snake Optimization Algorithm with Opposition-Based Population Initialization. , 2022, , .		0
2129	Superpixel segmentation integrated feature subset selection for wetland classification over Yellow River Delta. Environmental Science and Pollution Research, 2023, 30, 50796-50814.	5.3	1
2130	Securing Cyber-Physical Spaces withÂHybrid Analytics: Vision andÂReference Architecture. Lecture Notes in Computer Science, 2023, , 398-408.	1.3	1
2131	An improved symbiotic organisms search algorithm with good point set and memory mechanism. Journal of Supercomputing, 2023, 79, 11170-11197.	3.6	3
2132	Novelty class detection in machine learning-based condition diagnosis. Journal of Mechanical Science and Technology, 2023, 37, 1145-1154.	1.5	2

#	ARTICLE	IF	CITATIONS
2133	Artificial intelligence applications for microgrids integration and management of hybrid renewable energy sources. Artificial Intelligence Review, 2023, 56, 10557-10611.	15.7	15
2134	Feature selection in high dimensional data: A specific preordonnances-based memetic algorithm. Knowledge-Based Systems, 2023, 266, 110420.	7.1	7
2135	Hazard-informed optimization of seismic networks for earthquake early warning—the case of the Lower Rhine Embayment (western Germany). Journal of Seismology, 2023, 27, 261-277.	1.3	2
2136	Mountaineering Team-Based Optimization: A Novel Human-Based Metaheuristic Algorithm. Mathematics, 2023, 11, 1273.	2.2	16
2137	Clustering, Routing, Scheduling, and Challenges in Bio-Inspired Parameter Tuning of Vehicular Ad Hoc Networks for Environmental Sustainability. Sustainability, 2023, 15, 4767.	3.2	5
2138	Inverse Kinematic Solver Based on Bat Algorithm for Robotic Arm Path Planning. Robotics, 2023, 12, 38.	3.5	3
2139	A New Lagrangian Problem Crossover—A Systematic Review and Meta-Analysis of Crossover Standards. Systems, 2023, 11, 144.	2.3	1
2140	Large-Scale Competitive Learning-Based Salp Swarm for Global Optimization and Solving Constrained Mechanical and Engineering Design Problems. Mathematics, 2023, 11, 1362.	2.2	3
2141	Green Anaconda Optimization: A New Bio-Inspired Metaheuristic Algorithm for Solving Optimization Problems. Biomimetics, 2023, 8, 121.	3.3	6
2142	Uncertainty Injection: A Deep Learning Method for Robust Optimization. IEEE Transactions on Wireless Communications, 2023, 22, 7201-7213.	9.2	2
2143	Group learning algorithm: a new metaheuristic algorithm. Neural Computing and Applications, 2023, 35, 14013-14028.	5.6	3
2144	Performance Analysis of the AVR Using An Artificial Neural Network and Genetic Algorithm Optimization Technique. , 2023, , .		2
2145	Exploring misclassifications of robust neural networks to enhance adversarial attacks. Applied Intelligence, 2023, 53, 19843-19859.	5.3	4
2146	Systematic Review of the Time-Cost Optimization Models in Construction Management. Sustainability, 2023, 15, 5578.	3.2	2
2147	Critical Comparative Analysis and Recommendation in MAC Protocols for Wireless Mesh Networks Using Multi-objective Optimization and Statistical Testing. Wireless Personal Communications, 2023, 129, 2319-2344.	2.7	3
2148	Production Scheduling in the Aquaculture Industry Based on Bio-economic Simulation and Genetic Algorithms. Lecture Notes on Data Engineering and Communications Technologies, 2023, , 130-135.	0.7	0
2149	Estimation of Seepage Flow Using Optimized Artificial Intelligent Models. Geotechnical and Geological Engineering, 2023, 41, 2727-2739.	1.7	3
2150	A Multiple Objective Genetic Algorithm Approach for Stochastic Open Pit Production Scheduling Optimisation. International Journal of Mining, Reclamation and Environment, 0, , 1-28.	2.8	0

#	Article	IF	Citations
2151	Subtraction-Average-Based Optimizer: A New Swarm-Inspired Metaheuristic Algorithm for Solving Optimization Problems. Biomimetics, 2023, 8, 149.	3.3	14
2152	Aquila Algorithm: A Systematic Review of Variants and Applications. Advances in Intelligent Systems and Computing, 2023, , 415-428.	0.6	0
2153	Optimization of SVM and ANN Based on GAPA and Its Application in Short-Term Load Forecasting. , 2022, , .		0
2154	Inflow Prediction of Centralized Reservoir for the Operation of Pump Station in Urban Drainage Systems Using Improved Multilayer Perceptron Using Existing Optimizers Combined with Metaheuristic Optimization Algorithms. Water (Switzerland), 2023, 15, 1543.	2.7	1
2155	Genetic Algorithms and Their Applications. Springer Handbooks, 2023, , 635-674.	0.6	14
2156	A constrained locking sweeping method and velocity obstacle based path planning algorithm for unmanned surface vehicles in complex maritime traffic scenarios. Ocean Engineering, 2023, 279, 113538.	4.3	6
2157	Water Distribution Network Partitioning Based on Complex Network Theory: The Udine Case Study. Water (Switzerland), 2023, 15, 1621.	2.7	1
2158	Hybridization of Particle Swarm Optimization with Variable Neighborhood Search and Simulated Annealing for Improved Handling of the Permutation Flow-Shop Scheduling Problem. Systems, 2023, 11, 221.	2.3	5
2159	Optimizing Modularization of Residential Housing Designs for Rapid Postdisaster Mass Production of Housing. Journal of Construction Engineering and Management - ASCE, 2023, 149, .	3.8	0
2160	Breast Cancer Mass Classification Using Machine Learning, Binary-Coded Genetic Algorithms and an Ensemble of Deep Transfer Learning. Computer Journal, 0, , .	2.4	0
2161	Waterwheel Plant Algorithm: A Novel Metaheuristic Optimization Method. Processes, 2023, 11, 1502.	2.8	13
2162	A Review of Quantum-Inspired Metaheuristic Algorithms for Automatic Clustering. Mathematics, 2023, 11, 2018.	2.2	2
2164	CDDOâ€"HS: Child Drawing Development Optimizationâ€"Harmony Search Algorithm. Applied Sciences (Switzerland), 2023, 13, 5795.	2.5	4
2165	Tandem Neural Network Based Design of Multiband Antennas. IEEE Transactions on Antennas and Propagation, 2023, 71, 6308-6317.	5.1	2
2166	Optimization of framed structures subjected to blast loading using equivalent static loads method. Asian Journal of Civil Engineering, 2023, 24, 3305-3318.	1.6	3
2167	ECG Signal Denoising Based on Wavelet Transform and Genetic Algorithm. , 2023, , .		0
2168	GMO: geometric mean optimizer for solving engineering problems. Soft Computing, 2023, 27, 10571-10606.	3.6	16
2169	Genetic algorithm for Traveling Salesman Problem. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
2170	Optimal Design of Planar Steel Frames Using the Hybrid Teaching–Learning and Charged System Search Algorithm. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2023, 47, 3357-3373.	1.9	2
2171	A Population-Based Hybrid Approach for Hyperparameter Optimization of Neural Networks. IEEE Access, 2023, 11, 50752-50768.	4.2	3
2172	Optimization of Non-traditional Machining Processes: Application of a Simple Optimization Algorithm. Lecture Notes in Mechanical Engineering, 2023, , 601-617.	0.4	0
2173	Order release optimisation for time-dependent and stochastic manufacturing systems. International Journal of Production Research, 2024, 62, 2415-2434.	7.5	0
2174	A new bio-inspired metaheuristic algorithm for solving optimization problems based on walruses behavior. Scientific Reports, 2023, 13, .	3.3	15
2175	Genetic algorithm introducing the estimation of optimal objective function values in subproblems by pre-training. Neural Computing and Applications, 0, , .	5.6	0
2176	Miniaturized Bloch Surface Wave Platform on a Multicore Fiber. ACS Photonics, 2023, 10, 1694-1701.	6.6	2
2177	Red Panda Optimization Algorithm: An Effective Bio-Inspired Metaheuristic Algorithm for Solving Engineering Optimization Problems. IEEE Access, 2023, 11, 57203-57227.	4.2	3
2178	Drawer Algorithm: A New Metaheuristic Approach for Solving Optimization Problems in Engineering. Biomimetics, 2023, 8, 239.	3.3	10
2179	Operational Risk of Multi-energy Customers Considering Service-Based Self-scheduling. , 2023, , 129-157.		0
2180	Revised spectral optimization approach to remove surface-reflected radiance for the estimation of remote-sensing reflectance from the above-water method. Optics Express, 2023, 31, 22964.	3.4	1
2181	Enhancing feature selection with GMSMFO: A global optimization algorithm for machine learning with application to intrusion detection. Journal of Computational Design and Engineering, 2023, 10, 1363-1389.	3.1	4
2182	Integration of statistical shape modeling and alternating interpolation-based model tracking technique for measuring knee kinematics *in vivo* using clinical interleaved bi-plane fluoroscopy. PeerJ, 0, 11, e15371.	2.0	0
2183	A Genetic Algorithm-Based Framework for Learning Statistical Power Manifold. Springer Proceedings in Mathematics and Statistics, 2023, , 187-196.	0.2	0
2184	Classification of Marble Types Using Machine Learning Techniques. Afyon Kocatepe University International Journal of Engineering Technology and Applied Sciences, 2023, 6, 33-42.	0.1	0
2185	Multi-agent planning and coordination for automated aircraft ground handling. Robotics and Autonomous Systems, 2023, 167, 104480.	5.1	1
2186	Nature-Inspired and Evolutionary Techniques for Automation. Springer Handbooks, 2023, , 483-508.	0.6	1
2187	Identification of Novel Diagnostic and Prognostic Gene Signature Biomarkers for Breast Cancer Using Artificial Intelligence and Machine Learning Assisted Transcriptomics Analysis. Cancers, 2023, 15, 3237.	3.7	4

#	Article	IF	Citations
2188	Rock recognition and identification for selective mechanical mining: a self-adaptive artificial neural network approach. Bulletin of Engineering Geology and the Environment, 2023, 82, .	3.5	0
2189	A Study of Genetic Algorithm Parameterization via a Benchmark of Test Functions. , 2023, , .		1
2190	Protective Relaying Coordination in Power Systems Comprising Renewable Sources: Challenges and Future Insights. Sustainability, 2023, 15, 7279.	3.2	2
2192	Importance nested sampling with normalising flows. Machine Learning: Science and Technology, 2023, 4, 035011.	5.0	5
2193	A genomic rule-based KNN model for fast flux botnet detection. Egyptian Informatics Journal, 2023, 24, 313-325.	6.8	6
2194	Discrete Improved Grey Wolf Optimizer for Community Detection. Journal of Bionic Engineering, 2023, 20, 2331-2358.	5.0	4
2195	Attention-based LSTM network-assisted time series forecasting models for petroleum production. Engineering Applications of Artificial Intelligence, 2023, 123, 106440.	8.1	10
2196	A Novel Metaheuristic Hybrid Parthenogenetic Algorithm for Job Shop Scheduling Problems: Applying an Optimization Model. IEEE Access, 2023, 11, 56027-56045.	4.2	1
2197	An approach to attain a balanced trade-off solution for dynamic economic emission dispatch problem on a microgrid system. International Journal of Systems Assurance Engineering and Management, 2023, 14, 1300-1311.	2.4	0
2198	Emotional State Detection Using Electroencephalogram Signals: A Genetic Algorithm Approach. Applied Sciences (Switzerland), 2023, 13, 6394.	2.5	2
2199	Geographic and transport controls of temperature response in karst springs. Journal of Hydrology, 2023, 623, 129850.	5.4	2
2200	Mother optimization algorithm: a new human-based metaheuristic approach for solving engineering optimization. Scientific Reports, 2023, 13, .	3.3	15
2201	In silico chemotherapy optimization with genetic algorithm. , 2023, , .		3
2203	Design Weight Minimization of a Reinforced Concrete Beam Through Genetic Algorithm and Its Variants. Springer Tracts in Nature-inspired Computing, 2023, , 81-103.	0.7	0
2204	An effective multi-objective bald eagle search algorithm for solving engineering design problems. Applied Soft Computing Journal, 2023, 145, 110585.	7.2	4
2205	AFOX: a new adaptive nature-inspired optimization algorithm. Artificial Intelligence Review, 2023, 56, 15523-15566.	15.7	4
2207	WPO: A Whale Particle Optimization Algorithm. International Journal of Computational Intelligence Systems, 2023, 16, .	2.7	3
2208	Multi-objective Genetic Algorithm for the Time, Cost, and Quality Trade-Off Analysis in Construction Projects. Springer Proceedings in Business and Economics, 2023, , 193-207.	0.3	0

#	Article	IF	Citations
2209	Generating synthetic multidimensional molecular time series data for machine learning: considerations. Frontiers in Systems Biology, 0, 3, .	0.7	3
2210	Optimisation of layered shell model for analysis of reinforced concrete shear walls based on machine learning. Journal of Building Engineering, 2023, 77, 107434.	3.4	0
2211	Genetic Algorithm-Based Task Assignment for Fleet of Unmanned Surface Vehicles in Dynamically Changing Environment. Cybernetics and Systems, 0, , 1-18.	2.5	0
2212	A competitive learning scheme for deep neural network pattern classifier training. Applied Soft Computing Journal, 2023, 146, 110662.	7.2	3
2213	Butterfly Algorithm for Sustainable Lot Size Optimization. Sustainability, 2023, 15, 11761.	3.2	2
2214	Novel hybrid computational intelligence approaches for predicting daily solar radiation. Acta Geophysica, 2024, 72, 1439-1453.	2.0	0
2215	Wavelength and texture feature selection for hyperspectral imaging: a systematic literature review. Journal of Food Measurement and Characterization, 0, , .	3.2	1
2216	Predicting steady-state biogas production from waste using advanced machine learning-metaheuristic approaches. Fuel, 2024, 355, 129493.	6.4	5
2217	Golf Optimization Algorithm: A New Game-Based Metaheuristic Algorithm and Its Application to Energy Commitment Problem Considering Resilience. Biomimetics, 2023, 8, 386.	3.3	11
2218	A Lagrangian relaxation algorithm and hybrid genetic algorithm-black widow optimization for perishable products supply chain with sustainable development goals consideration. Annals of Operations Research, 0, , .	4.1	0
2219	Fuzzy C-Means for image segmentation: challenges and solutions. Multimedia Tools and Applications, 2024, 83, 27935-27971.	3.9	0
2221	Inverse Design and Experimental Verification of Metamaterials for Thermal Illusion Using Genetic Algorithms. Chinese Physics Letters, 2023, 40, 104402.	3.3	2
2222	Climate-dependent optimization of radiative cooling structures for year-round cold energy harvesting. Renewable Energy, 2023, 217, 119166.	8.9	0
2223	Lithium battery model parameter identification based on the GA-LM algorithm. International Journal of Green Energy, 2024, 21, 1147-1160.	3.8	0
2224	An efficient resource allocation of IoT requests in hybrid fogâ€"cloud environment. Journal of Supercomputing, 2024, 80, 4600-4624.	3.6	0
2225	QPert: Query Perturbation to improve shape retrieval algorithms. Multimedia Tools and Applications, 2024, 83, 25461-25485.	3.9	0
2226	Nonlinear feature selection using sparsity-promoted centroid-encoder. Neural Computing and Applications, 2023, 35, 21883-21902.	5.6	0
2227	A multivariate algorithm for identifying contaminated peanut using visible and near-infrared hyperspectral imaging. Talanta, 2024, 267, 125187.	5.5	0

#	Article	IF	Citations
2228	Resistance–capacitance optimizer: a physics-inspired population-based algorithm for numerical and industrial engineering computation problems. Scientific Reports, 2023, 13, .	3.3	7
2229	Autonomous paddy field puddling and leveling operations based on full-coverage path generation and tracking. Precision Agriculture, 0, , .	6.0	1
2230	Trade-offs among productive-living-ecological lands for facilitating low-carbon and efficient cities: evidences in 30 major Chinese cities from 2015 to 2020. GIScience and Remote Sensing, 2023, 60, .	5.9	0
2231	Dung beetle optimization algorithm based on quantum computing and multi-strategy fusion for solving engineering problems. Expert Systems With Applications, 2024, 236, 121219.	7.6	9
2232	Modified Coronavirus Herd Immunity optimization with an ACSAAD Algorithm for Capacitated Vehicle Routing Problems Vehicle Routing Problems. , 2023, , .		0
2233	Probabilistic Slope Stability Analysis of Mount St. Helens Using Scoops3D and a Hybrid Intelligence Paradigm. Mathematics, 2023, 11, 3809.	2.2	0
2234	Enhanced Active Eavesdroppers Detection System for Multihop WSNs in Tactical IoT Applications. IEEE Internet of Things Journal, 2024, 11, 6748-6760.	8.7	1
2235	Bare-Bones Based Salp Swarm Algorithm for Text Document Clustering. IEEE Access, 2023, 11, 100010-100028.	4.2	1
2236	Gene Selection for High-Dimensional Imbalanced Biomedical Data Based on Marine Predators Algorithm and Evolutionary Population Dynamics. Arabian Journal for Science and Engineering, 2024, 49, 3935-3961.	3.0	1
2237	The routing optimization in IoT using hybrid Ga-based and PSO-based algorithm. AIP Conference Proceedings, 2023, , .	0.4	0
2238	An improved fault-tolerant cultural-PSO with probability for multi-AGV path planning. Expert Systems With Applications, 2024, 237, 121510.	7.6	1
2239	Opposition-based Learning Cooking Algorithm (OLCA) for solving global optimization and engineering problems. International Journal of Modern Physics C, 0, , .	1.7	2
2240	Calculation of Optimum Transit Times with Real-Coded Genetic Algorithm. , 2023, 13, 833-842.		0
2242	Kookaburra Optimization Algorithm: A New Bio-Inspired Metaheuristic Algorithm for Solving Optimization Problems. Biomimetics, 2023, 8, 470.	3.3	5
2243	OOBO: A New Metaheuristic Algorithm for Solving Optimization Problems. Biomimetics, 2023, 8, 468.	3.3	0
2244	AquaHet-PSO: An Informative Path Planner for a Fleet of Autonomous Surface Vehicles With Heterogeneous Sensing Capabilities Based on Multi-Objective PSO. IEEE Access, 2023, 11, 110943-110966.	4.2	0
2245	Probabilistic sizing and scheduling co-optimisation of hybrid battery/super-capacitor energy storage systems in micro-grids. Journal of Energy Storage, 2023, 73, 109172.	8.1	1
2246	A novel self-adaptive multi-population quadratic approximation guided jaya for solving real-parameter constrained optimization problems. Expert Systems With Applications, 2024, 238, 121898.	7.6	0

#	ARTICLE	IF	CITATIONS
2247	Firefly-SVM predictive model for breast cancer subgroup classification with clinicopathological parameters. Digital Health, 2023, 9, .	1.8	1
2248	Multi-stage two-echelon crowdsourcing logistics assignment model with future committing drivers. Journal of Cleaner Production, 2023, 428, 139397.	9.3	0
2249	A New Human-Based Metaheuristic Algorithm for Solving Optimization Problems Based on Technical and Vocational Education and Training. Biomimetics, 2023, 8, 508.	3.3	1
2250	Lyrebird Optimization Algorithm: A New Bio-Inspired Metaheuristic Algorithm for Solving Optimization Problems. Biomimetics, 2023, 8, 507.	3.3	4
2251	Groundwater contaminant sources identification considering unknown boundary condition based on an automated machine learning surrogate. Geoscience Frontiers, 2023, , 101732.	8.4	0
2252	Onshore Wind Farm Optimization and Control. , 2023, , .		0
2253	Review of the grey wolf optimization algorithm: variants and applications. Neural Computing and Applications, 0, , .	5.6	0
2254	Optimization of Energy Storage Allocation in Wind Energy Storage Combined System Based on Improved Sand Cat Swarm Optimization Algorithm. Processes, 2023, 11, 3274.	2.8	0
2255	Deep reinforcement learning for propulsive performance of a flapping foil. Physics of Fluids, 2023, 35, .	4.0	1
2256	Topological magnetic structure generation using VAE-GAN hybrid model and discriminator-driven latent sampling. Scientific Reports, 2023, 13, .	3.3	0
2257	Wire Electrical Discharge Machining of AISI304 and AISI316 Alloys: A Comparative Assessment of Machining Responses, Empirical Modeling and Multi-Objective Optimization. Journal of Manufacturing and Materials Processing, 2023, 7, 194.	2.2	0
2258	Co-evolutionary and Elite learning-based bi-objective Poor and Rich Optimization algorithm for scheduling multiple workflows in the cloud. Future Generation Computer Systems, 2024, 152, 99-111.	7.5	0
2259	A new human-based metaheuristic algorithm for solving optimization problems based on preschool education. Scientific Reports, 2023, 13, .	3.3	0
2260	Hyperparameter optimization of YOLOv4 tiny for palm oil fresh fruit bunches maturity detection using genetics algorithms. Smart Agricultural Technology, 2023, 6, 100364.	5.4	0
2261	Dog nose-print recognition based on the shape and spatial features of scales. Expert Systems With Applications, 2024, 240, 122308.	7.6	0
2262	An efficient disease prediction framework based on optimized machine learning models for a smart healthcare application. Multimedia Tools and Applications, 0, , .	3.9	0
2263	Comparison of Different Optimization Techniques in Electron Lens Design. , 2023, , .		0
2264	A Review of the Application of Artificial Intelligence, Remote Sensing, and 3D Printing for the Sustainability of Civil Infrastructure. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
2265	Optimizing 3D UAV Path Planning: A Multi-strategy Enhanced Beluga Whale Optimizer. Lecture Notes in Computer Science, 2024, , 42-54.	1.3	1
2266	State of health estimation for lithium-ion batteries based on current interrupt method and genetic algorithm optimized back propagation neural network. Journal of Power Sources, 2024, 591, 233842.	7.8	0
2267	Novel Network Intrusion Detection Based on Feature Filtering Using FLAME and New Cuckoo Selection in a Genetic Algorithm. Applied Sciences (Switzerland), 2023, 13, 12755.	2.5	0
2268	Predictive analysis for road accidents using a tree-based and deep learning fusion system. Journal of Intelligent and Fuzzy Systems, 2023, , 1-17.	1.4	0
2269	An optimization framework for basin-scale water environmental carrying capacity. Journal of Environmental Management, 2024, 351, 119520.	7.8	0
2271	Building segmentation from UAV orthomosaics using unet-resnet-34 optimised with grey wolf optimisation algorithm. , 2023, 1, .		2
2272	Newton-Raphson-based optimizer: A new population-based metaheuristic algorithm for continuous optimization problems. Engineering Applications of Artificial Intelligence, 2024, 128, 107532.	8.1	4
2273	Imbalance-learning road crash assessment under reduced visibility settings: A proactive multicriteria decision-making system. Journal of Ambient Intelligence and Smart Environments, 2023, , 1-26.	1.4	0
2274	Optimized Kalman Filter using Genetic Algorithm for IoT Sensor. , 2023, , .		0
2276	Giant Armadillo Optimization: A New Bio-Inspired Metaheuristic Algorithm for Solving Optimization Problems. Biomimetics, 2023, 8, 619.	3.3	1
2277	Effect of the soil slope on the cost-efficient optimum discrete design of reinforced concrete isolated footings. Structures, 2024, 59, 105769.	3.6	0
2279	A hybrid correlation-based deep learning model for email spam classification using fuzzy inference system. Decision Analytics Journal, 2024, 10, 100390.	4.8	0
2280	Detection of Android Based Applications with Traditional Metaheuristic Algorithms. International Journal of Pure and Applied Sciences, 0, , .	0.5	0
2281	Optimal Unit Commitment and Generation Scheduling of Integrated Power System with Plug-In Electric Vehicles and Renewable Energy Sources. Energies, 2024, 17, 123.	3.1	0
2282	A New Hybrid Particle Swarm Optimization–Teaching–Learning-Based Optimization for Solving Optimization Problems. Biomimetics, 2024, 9, 8.	3.3	0
2283	Assignment of Unexpected Tasks in Embedded System Design Process Using Genetic Programming. Lecture Notes in Computer Science, 2024, , 93-101.	1.3	0
2284	An Adaptive PID Control System for the Attitude and Altitude Control of a Quadcopter. Acta Mechanica Et Automatica, 2024, 18, 29-39.	0.6	0
2285	Real-time monitoring of the corrosion behaviour of the 304SS in HCl solution using BPNN with joint image recognition and electrochemical noise. Corrosion Science, 2024, 228, 111779.	6.6	2

#	ARTICLE	IF	CITATIONS
2286	Uncertain differential equation based software belief reliability growth model (SBRGM) considering software patching. International Journal of Systems Assurance Engineering and Management, 0, , .	2.4	0
2287	An Improved Gannet Optimization Algorithm Based on Opposition-Based Schemes for Feature Selection Problems in High-Dimensional Datasets. SN Computer Science, 2024, 5, .	3.6	0
2288	Prediction of Wheel Wear Data Based on GA-SVM. Hans Journal of Data Mining, 2024, 14, 20-25.	0.1	0
2289	Neuromorphic models applied to photonics. , 2024, , 221-253.		0
2290	Development of the marine predators algorithm for optimizing the performance of water supply reservoirs. Environment, Development and Sustainability, 0, , .	5.0	0
2291	Pufferfish Optimization Algorithm: A New Bio-Inspired Metaheuristic Algorithm for Solving Optimization Problems. Biomimetics, 2024, 9, 65.	3.3	1
2292	Advancing electron microscopy using deep learning. JPhys Materials, 2024, 7, 022001.	4.2	0
2293	Random Forest and Multilayer Perceptron hybrid models integrated with the genetic algorithm for predicting pan evaporation of target site using a limited set of neighboring reference station data. Earth Science Informatics, 2024, 17, 1261-1280.	3.2	0
2294	Interaction of multiple steps in hybrid rocket engines: Experimental investigation. Acta Astronautica, 2024, 217, 261-272.	3.2	0
2295	A New Membrane Algorithm Based onÂQuasi-Affine TRansformation Evolution forÂOptimization Problems. Lecture Notes in Electrical Engineering, 2024, , 49-60.	0.4	0
2296	A Two-Stage Nonlinear User Satisfaction Decision Model Based on Online Review Mining: Considering Non-Compensatory and Compensatory Stages. Journal of Theoretical and Applied Electronic Commerce Research, 2024, 19, 272-296.	5.7	0
2297	A random-key genetic algorithm-based method for transportation network vulnerability envelope analysis under simultaneous multi-link disruptions. Expert Systems With Applications, 2024, 248, 123401.	7.6	0
2298	Prediction of the axial compression capacity of stub CFST columns using machine learning techniques. Scientific Reports, 2024, 14, .	3.3	0
2299	Fireworks algorithm with elitism-based selection strategy and optimal particle guidance mechanism. Journal of Intelligent and Fuzzy Systems, 2024, 46, 7427-7446.	1.4	0
2300	Clustering at the Edge: Load balancing and energy efficiency for the IoT. Ad Hoc Networks, 2024, 156, 103433.	5.5	0
2301	Ontology-Based Layered Rule-Based Network Intrusion Detection System for Cybercrimes Detection. Knowledge and Information Systems, 0, , .	3.2	0
2302	Botox Optimization Algorithm: A New Human-Based Metaheuristic Algorithm for Solving Optimization Problems. Biomimetics, 2024, 9, 137.	3.3	0
2304	Using Free Air CO_2 Enrichment data to constrain land surface model projections of the terrestrial carbon cycle. Biogeosciences, 2024, 21, 1017-1036.	3.3	0

#	Article	IF	Citations
2305	Hardware implementation of memristor-based artificial neural networks. Nature Communications, 2024, 15, .	12.8	0
2306	Multidimensional Barriers to Entry in the Insurance Industry. Asia-Pacific Journal of Risk and Insurance, 2024, 18, 21-53.	0.3	0
2307	A multi-mechanism balanced advanced learning sparrow search algorithm for UAV path planning. Cluster Computing, 0, , .	5.0	0
2308	Genetic Algorithm Enhanced nnU-Net for the MICCAI KiTS23 Challenge. Lecture Notes in Computer Science, 2024, , 77-82.	1.3	0
2309	Dynamic constrained evolutionary optimization based on deep Q-network. Expert Systems With Applications, 2024, 249, 123592.	7.6	0
2310	Hybrid Machine Learning and Experimental Studies of Antiviral Potential of Ionic Liquids against P100, MS2, and Phi6. Journal of Chemical Information and Modeling, 2024, 64, 1996-2007.	5.4	0
2311	An energy-efficient path planning method for unmanned surface vehicle in a time-variant maritime environment. Ocean Engineering, 2024, 301, 117544.	4.3	0
2313	CLASSIFICAÃ‡ÃƒO DE TEXTOS: UMA ABORDAGEM COM USO DE MACHINE LEARNING. , 2023, 3, 1-17.		0
2314	Quantum-inspired meta-heuristic approaches for a constrained portfolio optimization problem. Evolutionary Intelligence, 0, , .	3.6	0
2315	On the assessment of meta-heuristic algorithms for automatic voltage regulator system controller design: a standardization process. Electrical Engineering, 0, , .	2.0	0
2316	A Review of Artificial Intelligence Methods in Predicting Thermophysical Properties of Nanofluids for Heat Transfer Applications. Energies, 2024, 17, 1351.	3.1	0