

A survey on optimization metaheuristics

Information Sciences

237, 82-117

DOI: [10.1016/j.ins.2013.02.041](https://doi.org/10.1016/j.ins.2013.02.041)

Citation Report

#	ARTICLE	IF	CITATIONS
1	New cooperative and modified variants of the migrating birds optimization algorithm. , 2013, , .		5
2	Assessing the Performance of Two Bioinspired Algorithms to Solve Single-Row Layout Problem. International Journal of Manufacturing Engineering, 2013, 2013, 1-11.	0.8	3
3	Multi-objective optimization of rotary-wing aircrafts at the predesign stage. Mechanics and Industry, 2014, 15, 267-277.	0.5	1
4	A Constraint programming-based genetic algorithm for capacity output optimization. Journal of Industrial Engineering and Management, 2014, 7, .	1.0	0
5	Handling uncertainties of models inputs in inverse problem: the U-discrete PSO approach. , 2014, , .		1
6	Optimization Of Thermo-Electric Coolers Using Hybrid Genetic Algorithm And Simulated Annealing. Archives of Control Sciences, 2014, 24, 155-176.	1.7	10
7	Condition Based Maintenance Optimization of an Aircraft Assembly Process Considering Multiple Objectives. ISRN Aerospace Engineering, 2014, 2014, 1-13.	0.4	2
8	Simulation based optimization using PSO in manufacturing flow problems: A case study. , 2014, , .		6
9	Adaptive DE based on chaotic sequences and random adjustment for image Contrast Enhancement. , 2014, , .		0
10	Application of metaheuristic algorithms for optimal smartphone-photo enhancement. , 2014, , .		2
11	Synthesis of a planar four-bar mechanism for position control using the harmony search algorithm. , 2014, , .		2
12	Design of an optimized fractional order fuzzy PID controller for a piezoelectric actuator. , 2014, , .		8
13	Evolutionary membrane computing: A comprehensive survey and new results. Information Sciences, 2014, 279, 528-551.	4.0	126
14	Symbiotic Organisms Search: A new metaheuristic optimization algorithm. Computers and Structures, 2014, 139, 98-112.	2.4	1,200
15	A hybrid vendor managed inventory and redundancy allocation optimization problem in supply chain management: An NSGA-II with tuned parameters. Computers and Operations Research, 2014, 41, 53-64.	2.4	105
16	How novel is the "novel" black hole optimization approach?. Information Sciences, 2014, 267, 191-200.	4.0	60
17	Let a biogeography-based optimizer train your Multi-Layer Perceptron. Information Sciences, 2014, 269, 188-209.	4.0	263
18	Comparing large number of metaheuristics for artificial neural networks training to predict water temperature in a natural river. Computers and Geosciences, 2014, 64, 136-151.	2.0	37

#	ARTICLE	IF	CITATIONS
19	Optimizing a hybrid vendor-managed inventory and transportation problem with fuzzy demand: An improved particle swarm optimization algorithm. <i>Information Sciences</i> , 2014, 272, 126-144.	4.0	101
20	Group counseling optimization. <i>Applied Soft Computing Journal</i> , 2014, 22, 585-604.	4.1	55
21	Approximating the optimal mapping for weapon target assignment by fuzzy reasoning. <i>Information Sciences</i> , 2014, 255, 30-44.	4.0	25
22	Bee Inspired Algorithms. <i>Intelligent Systems Reference Library</i> , 2014, , 45-80.	1.0	1
23	Hybrid GA-ACO Algorithm for a Model Parameters Identification Problem. , 0, , .		22
24	Swarm-based metaheuristics in automatic programming: a survey. <i>Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery</i> , 2014, 4, 445-469.	4.6	11
25	Bacteria Inspired Algorithms. <i>Intelligent Systems Reference Library</i> , 2014, , 21-38.	1.0	2
26	An advanced model for the efficient and reliable short-term operation of insular electricity networks with high renewable energy sources penetration. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 38, 415-427.	8.2	28
27	Optimizing a bi-objective inventory model of a three-echelon supply chain using a tuned hybrid bat algorithm. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2014, 70, 274-292.	3.7	40
28	ANN based self tuned PID like adaptive controller design for high performance PMSM position control. <i>Expert Systems With Applications</i> , 2014, 41, 7995-8002.	4.4	65
29	Entropy-based evaluation function in a multi-objective approach for the investigation of the genetic code robustness. <i>Memetic Computing</i> , 2014, 6, 157-170.	2.7	1
30	SoMIR framework for designing high-NDBP photonic crystal waveguides. <i>Applied Optics</i> , 2014, 53, 3945.	0.9	18
31	A More Robust Feature Correspondence for more Accurate Image Recognition. , 2014, , .		3
32	A comparative study of variation operators used for evolutionary multi-objective optimization. <i>Information Sciences</i> , 2014, 273, 33-48.	4.0	8
33	An evolutionary membrane algorithm for global numerical optimization problems. <i>Information Sciences</i> , 2014, 276, 219-241.	4.0	33
34	High reliability estimation of product quality using support vector regression and hybrid meta-heuristic algorithms. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 2225-2232.	2.7	16
35	Simulated Annealing Algorithm for Deep Learning. <i>Procedia Computer Science</i> , 2015, 72, 137-144.	1.2	110
36	Comparison of GSA and hybrid PSO-GSA tuned controller for a nonlinear SISO system. <i>International Journal of Enterprise Network Management</i> , 2015, 6, 175.	0.2	1

#	ARTICLE	IF	CITATIONS
37	Simulation data management for adaptive design of experiments: A literature review. <i>Mechanics and Industry</i> , 2015, 16, 611.	0.5	9
38	InterCriteria Analysis of Crossover and Mutation Rates Relations in Simple Genetic Algorithm. , 0, , .		24
39	A formal assessment of anomaly network intrusion detection methods and techniques using various datasets. , 2015, , .		0
40	Metaheuristics for feature selection in handwritten digit recognition. , 2015, , .		7
41	Document Clustering Based on Firefly Algorithm. <i>Journal of Computer Science</i> , 2015, 11, 453-465.	0.5	17
42	GeNOSA: inferring and experimentally supporting quantitative gene regulatory networks in prokaryotes. <i>Bioinformatics</i> , 2015, 31, 2151-2158.	1.8	10
43	High-speed railway scheduling based on user preferences. <i>European Journal of Operational Research</i> , 2015, 246, 772-786.	3.5	30
44	Differential Evolution Applied to DTC Drive for Three-Phase Induction Motors Using an Adaptive State Observer. <i>Journal of Control, Automation and Electrical Systems</i> , 2015, 26, 403-420.	1.2	12
45	Search Dynamics Analysis and Adaptive Parameter Adjustment of Cuckoo Search. , 2015, , .		3
46	DE vs. PSO: A Performance Assessment for Expensive Problems. , 2015, , .		4
47	A Multi-agent Metaheuristic Optimization Framework with Cooperation. , 2015, , .		2
48	New approaches to parameter estimation with finite samples. , 2015, , .		0
49	Bayesian Based Metaheuristic for Large Scale Continuous Optimization. , 2015, , .		2
50	Accelerometer-based human activity classification using Water Wave Optimization approach. , 2015, , .		10
51	A new approach for train calendar description generation. , 2015, , .		2
52	Toward SLA-constrained service composition: An approach based on a fuzzy linguistic preference model and an evolutionary algorithm. <i>Information Sciences</i> , 2015, 316, 370-396.	4.0	28
53	Metaheuristic Optimization Methods Applied to Power Converters: A Review. <i>IEEE Transactions on Power Electronics</i> , 2015, 30, 6791-6803.	5.4	133
54	Survey on the use of computational optimisation in UK engineering companies. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2015, 9, 57-68.	2.3	8

#	ARTICLE	IF	CITATIONS
55	Development of hybrid energy system with cycle charging strategy using particle swarm optimization for a remote area in India. <i>Renewable Energy</i> , 2015, 77, 586-598.	4.3	107
56	A production scheduling problem with uncertain sequence-dependent set-up times and random yield. <i>International Journal of Production Research</i> , 2015, 53, 2820-2835.	4.9	1
57	Recognition of archaic Lanna handwritten manuscripts using a hybrid bio-inspired algorithm. <i>Memetic Computing</i> , 2015, 7, 3-17.	2.7	10
58	Order acceptance and scheduling to maximize total net revenue in permutation flowshops with weighted tardiness. <i>Applied Soft Computing Journal</i> , 2015, 30, 462-474.	4.1	29
59	An approach for the evolutionary discovery of software architectures. <i>Information Sciences</i> , 2015, 305, 234-255.	4.0	15
60	The Ant Lion Optimizer. <i>Advances in Engineering Software</i> , 2015, 83, 80-98.	1.8	2,392
61	Metaheuristics for agricultural land use optimization. A review. <i>Agronomy for Sustainable Development</i> , 2015, 35, 975-998.	2.2	75
62	Heat transfer search (HTS): a novel optimization algorithm. <i>Information Sciences</i> , 2015, 324, 217-246.	4.0	209
63	A stochastic model related to the Richards-type growth curve. Estimation by means of simulated annealing and variable neighborhood search. <i>Applied Mathematics and Computation</i> , 2015, 266, 579-598.	1.4	22
64	A cooperative coevolutionary biogeography-based optimizer. <i>Applied Intelligence</i> , 2015, 43, 95-111.	3.3	29
65	A Walk into Metaheuristics for Engineering Optimization: Principles, Methods and Recent Trends. <i>International Journal of Computational Intelligence Systems</i> , 2015, 8, 606.	1.6	69
66	Dynamic particle swarm optimization with heterogeneous multicore parallelism and GPU acceleration. , 2015, , .		1
67	A Water Wave Optimization Algorithm with Variable Population Size and Comprehensive Learning. <i>Lecture Notes in Computer Science</i> , 2015, , 124-136.	1.0	11
68	The production-inventory-distribution-routing problem: An integrated formulation and solution framework. , 2015, , .		4
69	An ensemble of intelligent water drop algorithms and its application to optimization problems. <i>Information Sciences</i> , 2015, 325, 175-189.	4.0	16
70	A Closer Look At Differential Evolution For The Optimal Well Placement Problem. , 2015, , .		6
71	Enhanced comprehensive learning cooperative particle swarm optimization with fuzzy inertia weight (ECLCFPSO-IW). , 2015, , .		1
72	Application of metaheuristic algorithms in nano-process parameter optimization. , 2015, , .		4

#	ARTICLE	IF	CITATIONS
73	Identification of nonlinear actuators with time delay and rate saturation using meta-heuristic optimization algorithms. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2015, 229, 808-817.	0.7	4
74	Network Structural Balance Based on Evolutionary Multiobjective Optimization: A Two-Step Approach. IEEE Transactions on Evolutionary Computation, 2015, 19, 903-916.	7.5	49
75	A Hybrid Gravitational Search Algorithm and Back-Propagation for Training Feedforward Neural Networks. Advances in Intelligent Systems and Computing, 2015, , 381-392.	0.5	5
76	A novel hybrid column generation-metaheuristic approach for the vehicle routing problem with general soft time window. Information Sciences, 2015, 316, 598-615.	4.0	35
77	Enhanced compact artificial bee colony. Information Sciences, 2015, 298, 491-511.	4.0	46
78	Memetic binary particle swarm optimization for discrete optimization problems. Information Sciences, 2015, 299, 58-84.	4.0	92
79	Novel metaheuristic hybrid spiral-dynamic bacteria-chemotaxis algorithms for global optimisation. Applied Soft Computing Journal, 2015, 27, 357-375.	4.1	19
80	Advanced Metaheuristics-Based Approach for Fuzzy Control Systems Tuning. Studies in Fuzziness and Soft Computing, 2015, , 627-653.	0.6	5
81	Granular modeling and computing approaches for intelligent analysis of non-geometric data. Applied Soft Computing Journal, 2015, 27, 567-574.	4.1	21
82	A hybrid approach for efficient anomaly detection using metaheuristic methods. Journal of Advanced Research, 2015, 6, 609-619.	4.4	53
83	Water wave optimization: A new nature-inspired metaheuristic. Computers and Operations Research, 2015, 55, 1-11.	2.4	446
84	Molecular-adapted basis sets optimized with a quantum Monte Carlo method. International Journal of Quantum Chemistry, 2015, 115, 77-83.	1.0	3
85	A new metaheuristic for numerical function optimization: Vortex Search algorithm. Information Sciences, 2015, 293, 125-145.	4.0	273
86	Multi-criteria improvement of complex systems. Information Sciences, 2015, 291, 61-84.	4.0	22
87	A Novel Hybrid Clonal Selection Algorithm with Combinatorial Recombination and Modified Hypermutation Operators for Global Optimization. Computational Intelligence and Neuroscience, 2016, 2016, 1-14.	1.1	3
88	Hybrid Multistarting GA-Tabu Search Method for the Placement of BtB Converters for Korean Metropolitan Ring Grid. Mathematical Problems in Engineering, 2016, 2016, 1-9.	0.6	4
89	Metaheuristic Algorithms for Convolution Neural Network. Computational Intelligence and Neuroscience, 2016, 2016, 1-13.	1.1	69
90	Enhanced Multi-Objective Energy Optimization by a Signaling Method. Energies, 2016, 9, 807.	1.6	9

#	ARTICLE	IF	CITATIONS
91	Optimization of convolutional neural network using microcanonical annealing algorithm. , 2016, , .		25
92	SBSTFrame: a framework to search-based software testing. , 2016, , .		4
93	Mass characterization in mammograms using an optimal ensemble classifier. , 2016, , .		2
94	A data-driven large-scale optimization approach for task-specific physics realism in real-time robotics simulation. , 2016, , .		0
95	From desktop to Large-Scale Model Exploration with Swift/T. , 2016, 2016, 206-220.		43
96	A survey on nature inspired meta-heuristic algorithms with its domain specifications. , 2016, , .		26
97	Global optimization through randomized group search in contracting regions. , 2016, , .		0
98	A MPSoC cache design space exploration approach based on ABC algorithm to optimize energy consumption and performance. , 2016, , .		0
99	Metaheuristic Techniques. , 2016, , 693-750.		25
100	A selection hyper-heuristic with online learning for control of genetic algorithm ensemble. International Journal of Hybrid Intelligent Systems, 2016, 13, 125-135.	0.9	1
101	Smart Robot Control via Novel Computational Intelligence Methods for Ambient Assisted Living. Studies in Computational Intelligence, 2016, , 29-55.	0.7	2
102	Mathematical programming-based approaches for multi-facility glass container production planning. Computers and Operations Research, 2016, 74, 92-107.	2.4	24
103	Stochastic Optimization for Process Intensification. , 2016, , 261-277.		0
104	A shifted hyperbolic augmented Lagrangian-based artificial fish two-swarm algorithm with guaranteed convergence for constrained global optimization. Engineering Optimization, 2016, 48, 2114-2140.	1.5	7
105	Neural model of gene regulatory network: a survey on supportive meta-heuristics. Theory in Biosciences, 2016, 135, 1-19.	0.6	25
106	Evolutionary algorithm for metabolic pathways synthesis. BioSystems, 2016, 144, 55-67.	0.9	2
107	Optimization Techniques to Detect Early Ventilation Extubation in Intensive Care Units. Advances in Intelligent Systems and Computing, 2016, , 599-608.	0.5	2
108	Towards a knowledge based framework for numerical design of experiment optimization and management. Computer-Aided Design and Applications, 2016, 13, 872-884.	0.4	6

#	ARTICLE	IF	CITATIONS
109	A modified teaching-learning-based optimisation algorithm for bi-objective re-entrant hybrid flowshop scheduling. <i>International Journal of Production Research</i> , 2016, 54, 3622-3639.	4.9	36
110	Simulated annealing to handle energy and ancillary services joint management considering electric vehicles. <i>Electric Power Systems Research</i> , 2016, 136, 383-397.	2.1	36
111	Carbon-capped Distribution Planning: A JIT Perspective. <i>Computers and Industrial Engineering</i> , 2016, 97, 111-127.	3.4	26
112	A survey on metaheuristics for optimization in food manufacturing industry. <i>Applied Soft Computing Journal</i> , 2016, 46, 328-343.	4.1	57
113	May the same numerical optimizer be used when searching either for the best or for the worst solution to a real-world problem?. <i>Information Sciences</i> , 2016, 373, 124-148.	4.0	2
114	InterCriteria Analysis of Genetic Algorithms Performance. <i>Studies in Computational Intelligence</i> , 2016, , 235-260.	0.7	11
115	A random time-series decomposition and its applications in time-series identification. , 2016, , .		3
116	Social-Aware Data Collection Scheme Through Opportunistic Communication in Vehicular Mobile Networks. <i>IEEE Access</i> , 2016, 4, 6480-6502.	2.6	38
117	Solving resource allocation problems in cognitive radio networks: a survey. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2016, 2016, .	1.5	32
118	Modern meta-heuristics based on nonlinear physics processes: A review of models and design procedures. <i>Physics Reports</i> , 2016, 655, 1-70.	10.3	124
119	Spatially and spectrally resolved particle swarm optimization for precise optical property estimation using diffuse-reflectance spectroscopy. <i>Optics Express</i> , 2016, 24, 12682.	1.7	10
120	Artificial intelligence techniques coupled with seasonality measures for hydrological regionalization of Q90 under Brazilian conditions. <i>Journal of Hydrology</i> , 2016, 541, 1406-1419.	2.3	22
121	Review on reliability improvement and power loss reduction in distribution system via network reconfiguration. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 66, 297-310.	8.2	142
122	Searching for structural bias in particle swarm optimization and differential evolution algorithms. <i>Swarm Intelligence</i> , 2016, 10, 307-353.	1.3	15
124	A survey on network community detection based on evolutionary computation. <i>International Journal of Bio-Inspired Computation</i> , 2016, 8, 84.	0.6	98
125	Optimization tools for environmental water decisions: A review of strengths, weaknesses, and opportunities to improve adoption. <i>Environmental Modelling and Software</i> , 2016, 84, 326-338.	1.9	48
126	Feature Selection and Recognition of Muzzle Point Image Pattern of Cattle by Using Hybrid Chaos BFO and PSO Algorithms. <i>Studies in Fuzziness and Soft Computing</i> , 2016, , 719-751.	0.6	4
127	Granular Computing Techniques for Classification and Semantic Characterization of Structured Data. <i>Cognitive Computation</i> , 2016, 8, 442-461.	3.6	17

#	ARTICLE	IF	CITATIONS
128	Solving optimization problems by using networks of evolutionary processors with quantitative filtering. <i>Journal of Computational Science</i> , 2016, 16, 65-71.	1.5	4
129	Smart Mobility by Optimizing the Traffic Lights: A New Tool for Traffic Control Centers. <i>Lecture Notes in Computer Science</i> , 2016, , 147-156.	1.0	16
130	Integrated rescheduling and preventive maintenance for arrival of new jobs through evolutionary multi-objective optimization. <i>Soft Computing</i> , 2016, 20, 1635-1652.	2.1	15
131	Optimising operational amplifiers by evolutionary algorithms and genetic method. <i>International Journal of Electronics</i> , 2016, 103, 1665-1684.	0.9	24
132	Intra-specific competitive co-evolutionary artificial neural network for data classification. <i>Neurocomputing</i> , 2016, 185, 220-230.	3.5	9
133	A comparative study of many-objective evolutionary algorithms for the discovery of software architectures. <i>Empirical Software Engineering</i> , 2016, 21, 2546-2600.	3.0	16
134	A novel nature-inspired algorithm for optimization: Virus colony search. <i>Advances in Engineering Software</i> , 2016, 92, 65-88.	1.8	228
135	Randomized greedy multi-start algorithm for the minimum common integer partition problem. <i>Engineering Applications of Artificial Intelligence</i> , 2016, 50, 226-235.	4.3	4
136	Directionally Driven Self-Regulating Particle Swarm Optimization algorithm. <i>Swarm and Evolutionary Computation</i> , 2016, 28, 98-116.	4.5	40
137	Multi-dimensional signaling method for population-based metaheuristics: Solving the large-scale scheduling problem in smart grids. <i>Swarm and Evolutionary Computation</i> , 2016, 29, 13-32.	4.5	43
138	An adaptive PID like controller using mix locally recurrent neural network for robotic manipulator with variable payload. <i>ISA Transactions</i> , 2016, 62, 258-267.	3.1	35
139	Optimization of artificial ground freezing in tunneling in the presence of seepage flow. <i>Computers and Geotechnics</i> , 2016, 75, 112-125.	2.3	84
140	Sperm whale algorithm: An effective metaheuristic algorithm for production optimization problems. <i>Journal of Natural Gas Science and Engineering</i> , 2016, 29, 211-222.	2.1	68
141	Optimal operation of multi-reservoir hydropower systems using enhanced comprehensive learning particle swarm optimization. <i>Journal of Hydro-Environment Research</i> , 2016, 10, 50-63.	1.0	43
142	An efficient modified harmony search algorithm with intersect mutation operator and cellular local search for continuous function optimization problems. <i>Applied Intelligence</i> , 2016, 44, 725-753.	3.3	36
143	SCA: A Sine Cosine Algorithm for solving optimization problems. <i>Knowledge-Based Systems</i> , 2016, 96, 120-133.	4.0	3,492
144	Selection of a suitable energy management strategy for a hybrid energy system in a remote rural area of India. <i>Energy</i> , 2016, 94, 352-366.	4.5	96
145	InterCriteria Analysis of ACO and GA Hybrid Algorithms. <i>Studies in Computational Intelligence</i> , 2016, , 107-126.	0.7	33

#	ARTICLE	IF	CITATIONS
146	Collaborative Simulated Annealing Genetic Algorithm for Geometric Optimization of Thermo-electric Coolers. <i>Studies in Computational Intelligence</i> , 2016, , 155-183.	0.7	0
147	Benchmarks for fuzzy job shop problems. <i>Information Sciences</i> , 2016, 329, 736-752.	4.0	18
148	Cascaded evolutionary algorithm for nonlinear system identification based on correlation functions and radial basis functions neural networks. <i>Mechanical Systems and Signal Processing</i> , 2016, 68-69, 378-393.	4.4	40
149	A Pareto-Based Discrete Harmony Search Algorithm for Bi-objective Reentrant Hybrid Flowshop Scheduling Problem. <i>Advances in Intelligent Systems and Computing</i> , 2016, , 435-445.	0.5	6
150	Obstacles and difficulties for robust benchmark problems: A novel penalty-based robust optimisation method. <i>Information Sciences</i> , 2016, 328, 485-509.	4.0	25
151	Soft Computing Techniques for Reduced Order Modelling: Review and Application. <i>Intelligent Automation and Soft Computing</i> , 2016, 22, 125-142.	1.6	10
152	On the importance of training methods and ensemble aggregation for runoff prediction by means of artificial neural networks. <i>Hydrological Sciences Journal</i> , 0, , 1-23.	1.2	2
153	Joint optimal determination of process mean, production quantity, pricing, and market segmentation with demand leakage. <i>European Journal of Operational Research</i> , 2016, 249, 312-326.	3.5	20
154	Electromagnetic field optimization: A physics-inspired metaheuristic optimization algorithm. <i>Swarm and Evolutionary Computation</i> , 2016, 26, 8-22.	4.5	253
155	Greedy knapsack algorithm for optimal downlink resource allocation in LTE networks. <i>Wireless Networks</i> , 2016, 22, 1427-1440.	2.0	15
156	Simple Probabilistic Population-Based Optimization. <i>IEEE Transactions on Evolutionary Computation</i> , 2016, 20, 245-262.	7.5	11
157	Game of elimination in a shared market: a novel multi-period game approach to competition of supply chains based on simulation. <i>International Journal of Management Science and Engineering Management</i> , 2017, 12, 174-185.	2.6	3
158	A comprehensive review on power distribution network reconfiguration. <i>Energy Systems</i> , 2017, 8, 227-284.	1.8	134
159	Sampling-based adaptive bounding evolutionary algorithm for continuous optimization problems. <i>Information Sciences</i> , 2017, 382-383, 216-233.	4.0	10
160	A MIP formulation and a heuristic solution approach for the bottling scheduling problem in the wine industry. <i>Computers and Industrial Engineering</i> , 2017, 105, 136-145.	3.4	17
161	Practical optimization for cost reduction of a liquefier in an industrial air separation plant. <i>Computers and Chemical Engineering</i> , 2017, 99, 13-20.	2.0	14
162	Grasshopper Optimisation Algorithm: Theory and application. <i>Advances in Engineering Software</i> , 2017, 105, 30-47.	1.8	1,938
163	Differential evolutionary algorithm in the construction process of optimal experimental designs. <i>Communications in Statistics Part B: Simulation and Computation</i> , 2017, 46, 7733-7743.	0.6	2

#	ARTICLE	IF	CITATIONS
164	On a smoothed penalty-based algorithm for global optimization. Journal of Global Optimization, 2017, 69, 561-585.	1.1	1
165	xCPS. ACM SIGBED Review, 2017, 14, 81-95.	1.8	14
166	Tuning of a PI-MR Controller Based on Differential Evolution Metaheuristic Applied to the Current Control Loop of a Shunt-APF. IEEE Transactions on Industrial Electronics, 2017, 64, 4751-4761.	5.2	56
167	Metaheuristic design of feedforward neural networks: A review of two decades of research. Engineering Applications of Artificial Intelligence, 2017, 60, 97-116.	4.3	373
168	Fundamentals of Evolutionary Computation. Emergence, Complexity and Computation, 2017, , 11-32.	0.2	0
169	Performance of nature inspired optimization algorithms for polymer Enhanced Oil Recovery process. Journal of Petroleum Science and Engineering, 2017, 154, 354-366.	2.1	43
170	An effective multi-start multi-level evolutionary local search for the flexible job-shop problem. Engineering Applications of Artificial Intelligence, 2017, 62, 80-95.	4.3	20
171	Learnheuristics: hybridizing metaheuristics with machine learning for optimization with dynamic inputs. Open Mathematics, 2017, 15, 261-280.	0.5	114
172	Hybrid Whale Optimization Algorithm with simulated annealing for feature selection. Neurocomputing, 2017, 260, 302-312.	3.5	884
173	Hybrid Metaheuristic for Designing an End Effector as a Constrained Optimization Problem. IEEE Access, 2017, 5, 6002-6014.	2.6	6
174	Reconfigurable Mechanical System Design for Tracking an Ankle Trajectory Using an Evolutionary Optimization Algorithm. IEEE Access, 2017, 5, 5480-5493.	2.6	16
175	A novel physical based meta-heuristic optimization method known as Lightning Attachment Procedure Optimization. Applied Soft Computing Journal, 2017, 59, 596-621.	4.1	152
176	Optimization of transesterification process for Ceiba pentandra oil: A comparative study between kernel-based extreme learning machine and artificial neural networks. Energy, 2017, 134, 24-34.	4.5	89
177	A survey on search-based model-driven engineering. Automated Software Engineering, 2017, 24, 233-294.	2.2	51
178	A double-elimination-tournament-based competitive co-evolutionary artificial neural network classifier. Neurocomputing, 2017, 249, 345-356.	3.5	6
179	Neural Network Trained by Biogeography-Based Optimizer with Chaos for Sonar Data Set Classification. Wireless Personal Communications, 2017, 95, 4623-4642.	1.8	28
180	Parallel population-based algorithm portfolios: An empirical study. Neurocomputing, 2017, 247, 115-125.	3.5	16
181	A Survey on Financial Applications of Metaheuristics. ACM Computing Surveys, 2018, 50, 1-23.	16.1	43

#	ARTICLE	IF	CITATIONS
182	Medical Image Denoising Using Metaheuristics. Studies in Computational Intelligence, 2017, , 155-169.	0.7	9
183	Adaptive Particle Swarm Optimization with Heterogeneous Multicore Parallelism and GPU Acceleration. IEEE Transactions on Parallel and Distributed Systems, 2017, 28, 2784-2793.	4.0	28
184	Swarm Intelligence and Evolutionary Algorithms: Performance versus speed. Information Sciences, 2017, 384, 34-85.	4.0	76
185	Damage Detection of Thin Plates Using GA-PSO Algorithm Based on Modal Data. Arabian Journal for Science and Engineering, 2017, 42, 1251-1263.	1.7	22
186	An optimization algorithm based on behavior of see-see partridge chicks. Journal of Intelligent and Fuzzy Systems, 2017, 33, 3227-3240.	0.8	12
188	Optimization and Stabilization of Cubature Rules. , 2017, , 93-108.		0
189	A new metaheuristic optimization methodology based on fuzzy logic. Applied Soft Computing Journal, 2017, 61, 549-569.	4.1	28
190	Metaheuristics Applied in Remanufacturing and Reverse logistics. , 2017, , .		1
191	General Meta-Model Framework for Surrogate-Based Numerical Optimization. Lecture Notes in Computer Science, 2017, , 51-66.	1.0	2
192	A taxonomic survey on load balancing in cloud. Journal of Network and Computer Applications, 2017, 98, 43-57.	5.8	67
193	Statistical analysis of parameters impacts on temporal performances for multi-robot coordination based on ACO algorithm. , 2017, , .		0
194	Salp Swarm Algorithm: A bio-inspired optimizer for engineering design problems. Advances in Engineering Software, 2017, 114, 163-191.	1.8	3,369
195	A multi-vehicles optimization method for intersection cooperative driving. , 2017, , .		2
196	Evaluation of meta-heuristic optimization methods for home energy management applications. , 2017, , .		3
197	Dynamic island model based on spectral clustering in genetic algorithm. , 2017, , .		10
198	Cellular matrix model for parallel combinatorial optimization algorithms in Euclidean plane. Applied Soft Computing Journal, 2017, 61, 642-660.	4.1	4
199	Adaptive constraint handling and Success History Differential Evolution for CEC 2017 Constrained Real-Parameter Optimization. , 2017, , .		22
200	Study of Parameter Sensitivity on Bat Algorithm. Lecture Notes in Computer Science, 2017, , 494-508.	1.0	1

#	ARTICLE	IF	CITATIONS
201	Declustering of an earthquake catalog based on ergodicity using parallel Grey Wolf Optimization. , 2017, , .		9
202	Multi-objective optimisation in scientific workflow. <i>Procedia Computer Science</i> , 2017, 108, 1443-1452.	1.2	11
203	Comparative study of pheromone control heuristics in ACO algorithms for solving RCPSp problems. <i>Applied Soft Computing Journal</i> , 2017, 60, 241-255.	4.1	28
204	Less is more: basic variable neighborhood search heuristic for balanced minimum sum-of-squares clustering. <i>Information Sciences</i> , 2017, 415-416, 247-253.	4.0	45
205	QQIGSA: A quadrivalent quantum-inspired GSA and its application in optimal adaptive design of wireless sensor networks. <i>Journal of Network and Computer Applications</i> , 2017, 78, 231-241.	5.8	12
206	Are modern metaheuristics successful in calibrating simple conceptual rainfall-runoff models?. <i>Hydrological Sciences Journal</i> , 2017, 62, 606-625.	1.2	21
207	Enhanced Diversity Herds Grey Wolf Optimizer for Optimal Area Coverage in Wireless Sensor Networks. <i>Advances in Intelligent Systems and Computing</i> , 2017, , 174-182.	0.5	1
208	A genetic algorithm approach to optimising random forests applied to class engineered data. <i>Information Sciences</i> , 2017, 384, 220-234.	4.0	56
209	G-FANET: an ambient network formation between ground and flying ad hoc networks. <i>Telecommunication Systems</i> , 2017, 65, 31-54.	1.6	23
210	A Multistage Algorithm for Blood Banking Supply Chain Allocation Problem. <i>International Journal of Civil Engineering</i> , 2017, 15, 103-112.	0.9	25
211	Robust fuzzy 3D path following for autonomous underwater vehicle subject to uncertainties. <i>Computers and Operations Research</i> , 2017, 84, 165-177.	2.4	230
212	A novel mutation operator based on the union of fitness and design spaces information for Differential Evolution. <i>Soft Computing</i> , 2017, 21, 6555-6562.	2.1	12
213	Data mining methods for knowledge discovery in multi-objective optimization: Part A - Survey. <i>Expert Systems With Applications</i> , 2017, 70, 139-159.	4.4	131
214	Optimal power flow using moth swarm algorithm. <i>Electric Power Systems Research</i> , 2017, 142, 190-206.	2.1	374
215	Intelligent Multiple Search Strategy Cuckoo Algorithm for Numerical and Engineering Optimization Problems. <i>Arabian Journal for Science and Engineering</i> , 2017, 42, 567-593.	1.7	19
216	Reliability-Based Seismic Optimization of Steel Frames by Metaheuristics and Neural Networks. <i>ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering</i> , 2017, 3, 04016013.	1.1	15
217	Gaussian basis sets for atomic and molecular calculations obtained from stochastic optimization. <i>Computational and Theoretical Chemistry</i> , 2017, 1099, 133-139.	1.1	2
218	Termite spatial correlation based particle swarm optimization for unconstrained optimization. <i>Swarm and Evolutionary Computation</i> , 2017, 33, 93-107.	4.5	6

#	ARTICLE	IF	CITATIONS
219	Game Theory Based Evolutionary Algorithms: A Review with Nash Applications in Structural Engineering Optimization Problems. Archives of Computational Methods in Engineering, 2017, 24, 703-750.	6.0	48
220	A hybrid elephant herding optimization and support vector machines for human behavior identification. , 2017, , .		4
221	Î2-Hill Climbing Algorithm for Sudoku Game. , 2017, , .		18
222	A robust load flow algorithm to solve power distribution network reconfiguration problem with a population based meta-heuristic approach. , 2017, , .		2
223	Scatter Search for Simulation-Based Optimization. , 2017, , .		1
224	Mitigating fiber nonlinearity using support vector machine with genetic algorithm. , 2017, , .		1
225	Generalized differential evolution. , 2017, , .		0
226	Hybrid particle swarm optimization of electricity market participation portfolio. , 2017, , .		5
227	A discrete teaching-learning-based optimisation algorithm for hybrid flowshop scheduling problem with peak power consumption constraints. , 2017, , .		2
228	Smart Bandwidth Assigantion in an Underlay Cellular Network for Internet of Vehicles. Sensors, 2017, 17, 2217.	2.1	13
229	Metaheuristic Techniques in Enhancing the Efficiency and Performance of Thermo-Electric Cooling Devices. Energies, 2017, 10, 1703.	1.6	35
230	Identifying the Presence of Prostate Cancer in Individuals with PSA Levels $\leq 10\text{ ng ml}^{-1}$ Using Computational Data Extraction Analysis of High Dimensional Peripheral Blood Flow Cytometric Phenotyping Data. Frontiers in Immunology, 2017, 8, 1771.	2.2	9
231	A Survey of Recent Research on Optimization Models and Algorithms for Operations Management from the Process View. Scientific Programming, 2017, 2017, 1-19.	0.5	9
232	Using UAV-Based Systems to Monitor Air Pollution in Areas with Poor Accessibility. Journal of Advanced Transportation, 2017, 2017, 1-14.	0.9	79
233	Optimizing booster stations. , 2017, , .		9
234	Optimal DGs allocation in distribution networks using modified flower pollination algorithm. , 2017, , .		8
235	Population-based metaheuristics in microgrids applications. , 2017, , .		2
236	META-HEURISTIC CLONAL SELECTION ALGORITHM FOR OPTIMIZATION OF FOREST PLANNING. Revista Arvore, 2017, 41, .	0.5	2

#	ARTICLE	IF	CITATIONS
237	Anomalous Diffusion within the Transcriptome as a Bio-Inspired Computing Framework for Resilience. <i>Computation</i> , 2017, 5, 32.	1.0	1
238	Hybrid and Cooperative Strategies Using Harmony Search and Artificial Immune Systems for Solving the Nurse Rostering Problem. <i>Sustainability</i> , 2017, 9, 1090.	1.6	9
239	Multiple Chaos Embedded Gravitational Search Algorithm. <i>IEICE Transactions on Information and Systems</i> , 2017, E100.D, 888-900.	0.4	41
241	A penalty-based multi-objectivization approach for single objective optimization. <i>Information Sciences</i> , 2018, 442-443, 1-17.	4.0	6
242	Single-Agent Finite Impulse Response Optimizer for Numerical Optimization Problems. <i>IEEE Access</i> , 2018, 6, 9358-9374.	2.6	15
243	A Study of the Optimization Techniques for Wireless Sensor Networks (WSNs). <i>Advances in Intelligent Systems and Computing</i> , 2018, , 909-915.	0.5	7
244	A preliminary study to metaheuristic approach in multilayer radiation shielding optimization. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 298, 012042.	0.3	4
245	Cooperative Multiple Agent-Based Algorithm for Evacuation Planning for Victims with Different Urgencies. <i>Journal of Aerospace Information Systems</i> , 2018, 15, 382-395.	1.0	6
246	New Approach for Animal Migration Optimization Algorithm. <i>Lecture Notes in Networks and Systems</i> , 2018, , 509-516.	0.5	0
247	Thermodynamic modelling and performance optimization of trapezoidal thermoelectric cooler using genetic algorithm. <i>Thermal Science and Engineering Progress</i> , 2018, 6, 236-250.	1.3	27
248	Metaheuristic Algorithms Based on Fuzzy Logic. <i>Studies in Computational Intelligence</i> , 2018, , 167-218.	0.7	0
249	Shuffled Complex-Self Adaptive Hybrid EvoLution (SC-SAHEL) optimization framework. <i>Environmental Modelling and Software</i> , 2018, 104, 215-235.	1.9	29
250	The Hubbert diffusion process: Estimation via simulated annealing and variable neighborhood search procedures” application to forecasting peak oil production. <i>Applied Stochastic Models in Business and Industry</i> , 2018, 34, 376-394.	0.9	3
251	A New Nature-Inspired Hybrid Algorithm with a Penalty Method to Solve Constrained Problem. <i>International Journal of Computational Methods</i> , 2018, 15, 1850069.	0.8	8
252	Performance of the air2stream model that relates air and stream water temperatures depends on the calibration method. <i>Journal of Hydrology</i> , 2018, 561, 395-412.	2.3	24
253	Algorithmic design issues in adaptive differential evolution schemes: Review and taxonomy. <i>Swarm and Evolutionary Computation</i> , 2018, 43, 284-311.	4.5	156
254	Heterogeneous Networks With Power-Domain NOMA: Coverage, Throughput, and Power Allocation Analysis. <i>IEEE Transactions on Wireless Communications</i> , 2018, 17, 3524-3539.	6.1	77
255	Investigating relationships between cost and CO2 emissions in reinforced concrete structures using a BIM-based design optimisation approach. <i>Energy and Buildings</i> , 2018, 166, 330-346.	3.1	57

#	ARTICLE	IF	CITATIONS
256	ASCA-PSO: Adaptive sine cosine optimization algorithm integrated with particle swarm for pairwise local sequence alignment. <i>Expert Systems With Applications</i> , 2018, 99, 56-70.	4.4	129
257	Multi-level job scheduling under processing time uncertainty. <i>Computers and Industrial Engineering</i> , 2018, 120, 480-487.	3.4	15
258	An efficient matheuristic for offline patient-to-bed assignment problems. <i>European Journal of Operational Research</i> , 2018, 268, 486-503.	3.5	25
260	Review on meta-heuristics approaches for airside operation research. <i>Applied Soft Computing Journal</i> , 2018, 66, 104-133.	4.1	86
261	Identification of crystal orientation for turbine blades with anisotropy materials. <i>Chinese Journal of Aeronautics</i> , 2018, 31, 410-418.	2.8	8
262	Multi criteria biased randomized method for resource allocation in distributed systems: Application in a volunteer computing system. <i>Future Generation Computer Systems</i> , 2018, 82, 29-40.	4.9	13
263	New Constraint-Handling Technique for Evolutionary Optimization of Reservoir Operation. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2018, 144, .	1.3	7
264	A bibliography of metaheuristics-review from 2009 to 2015. <i>International Journal of Knowledge-Based and Intelligent Engineering Systems</i> , 2018, 22, 83-95.	0.7	16
265	Hybridizing artificial bee colony with monarch butterfly optimization for numerical optimization problems. <i>Neural Computing and Applications</i> , 2018, 30, 163-181.	3.2	40
266	Training radial basis function networks using biogeography-based optimizer. <i>Neural Computing and Applications</i> , 2018, 29, 529-553.	3.2	83
267	Fuzzy adaptive teaching-learning-based optimization for global numerical optimization. <i>Neural Computing and Applications</i> , 2018, 29, 309-327.	3.2	22
268	A Memetic Algorithm for 3D Protein Structure Prediction Problem. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2018, 15, 690-704.	1.9	24
269	Sizing Analogue Integrated Circuits by Integer Encoding and NSGA-II. <i>IETE Technical Review (Institution) Tj ETQq0 0,0 rgBT /Oylock 10</i>	2.1	9
270	A genetic-based prototyping for automatic image annotation. <i>Computers and Electrical Engineering</i> , 2018, 70, 400-412.	3.0	8
271	Analysis of a Novel Density Matching Criterion Within the ITL Framework for Blind Channel Equalization. <i>Circuits, Systems, and Signal Processing</i> , 2018, 37, 203-231.	1.2	3
272	Improved monarch butterfly optimization for unconstrained global search and neural network training. <i>Applied Intelligence</i> , 2018, 48, 445-464.	3.3	86
273	Flood susceptibility assessment in Hengfeng area coupling adaptive neuro-fuzzy inference system with genetic algorithm and differential evolution. <i>Science of the Total Environment</i> , 2018, 621, 1124-1141.	3.9	298
274	Optimal Sizing of Amplifiers by Evolutionary Algorithms with Integer Encoding and Design Method. <i>Studies in Computational Intelligence</i> , 2018, , 263-279.	0.7	1

#	ARTICLE	IF	CITATIONS
275	Metaheuristics optimization applied to PI controllers tuning of a DTC-SVM drive for three-phase induction motors. <i>Applied Soft Computing Journal</i> , 2018, 62, 776-788.	4.1	27
276	Multi-Objective Individualized-Instruction Teaching-Learning-Based Optimization Algorithm. <i>Applied Soft Computing Journal</i> , 2018, 62, 288-314.	4.1	37
277	A hybrid particle swarm optimizer with sine cosine acceleration coefficients. <i>Information Sciences</i> , 2018, 422, 218-241.	4.0	137
278	Geometric optimization of trapezoidal thermoelectric heat pump considering contact resistances through genetic algorithm. <i>International Journal of Energy Research</i> , 2018, 42, 633-647.	2.2	18
279	Three-dimensional protein structure prediction based on memetic algorithms. <i>Computers and Operations Research</i> , 2018, 91, 160-177.	2.4	18
280	Solving the family traveling salesman problem. <i>European Journal of Operational Research</i> , 2018, 267, 453-466.	3.5	34
281	Utility of Genetic Algorithms for Solving Large-Scale Construction Time-Cost Trade-Off Problems. <i>Journal of Computing in Civil Engineering</i> , 2018, 32, .	2.5	38
282	Optimized symmetric partial facegraphs for face recognition in adverse conditions. <i>Information Sciences</i> , 2018, 429, 194-214.	4.0	8
283	A new hybrid algorithm for continuous optimization problem. <i>Applied Mathematical Modelling</i> , 2018, 55, 652-673.	2.2	58
284	An exploratory study of mono and multi-objective metaheuristics to ensemble of classifiers. <i>Applied Intelligence</i> , 2018, 48, 416-431.	3.3	10
285	Bat-inspired algorithms with natural selection mechanisms for global optimization. <i>Neurocomputing</i> , 2018, 273, 448-465.	3.5	76
286	Soft Computing Methods in Transport and Logistics. <i>Studies in Fuzziness and Soft Computing</i> , 2018, , 45-61.	0.6	4
287	Grasshopper optimization algorithm for multi-objective optimization problems. <i>Applied Intelligence</i> , 2018, 48, 805-820.	3.3	517
288	Gene selection for tumor classification using a novel bio-inspired multi-objective approach. <i>Genomics</i> , 2018, 110, 10-17.	1.3	78
289	TUNING OF THE METAHEURISTIC VARIABLE NEIGHBORHOOD SEARCH FOR A FOREST PLANNING PROBLEM. <i>Cerne</i> , 2018, 24, 259-268.	0.9	1
290	Structured Clanning-Based Ensemble Optimization Algorithm: A Novel Approach for Solving Complex Numerical Problems. <i>Modelling and Simulation in Engineering</i> , 2018, 2018, 1-19.	0.4	0
291	Hybrid Metaheuristics to the Automatic Selection of Features and Members of Classifier Ensembles. <i>Information (Switzerland)</i> , 2018, 9, 268.	1.7	3
292	An Improved Non-Intrusive Induction Motor Efficiency Estimation Technique for Non-Ideal Supply Voltage Conditions. <i>Electric Power Components and Systems</i> , 2018, 46, 1072-1083.	1.0	1

#	ARTICLE	IF	CITATIONS
293	A GRASP-Genetic Metaheuristic Applied on Multi-Processor Task Scheduling Systems. , 2018, , .		3
294	Particle Swarm Optimization with Rotational Invariance Using Correlativity. , 2018, , .		3
295	Solving large-scale problems using multi-swarm particle swarm approach. International Journal of Engineering and Technology(UAE), 2018, 7, 1725.	0.2	12
296	An Empirical Metaheuristic Assessment for Solving of Multi-type Distributed Generation Allocation Problem. , 2018, , .		1
297	Design and Research of Intelligent Quantitative Investment Model Based on PLR-IRF and DRNN Algorithm. , 2018, , .		2
298	HGLPSO: Hybrid Genetic Learning PSO and its Applications to Task Matching on Large-Scale Systems. , 2018, , .		0
299	The Influence of Problem Specific Neighborhood Structures in Metaheuristics Performance. Journal of Mathematics, 2018, 2018, 1-14.	0.5	0
300	Differential Evolution Algorithm in the Construction of Interpretable Classification Models. , 0, , .		1
301	Evolutionary Optimization Based on Biological Evolution in Plants. Procedia Computer Science, 2018, 126, 146-155.	1.2	45
302	Approximation Models in Robust Optimization Over Time - An Experimental Study. , 2018, , .		4
303	Case-Based Teaching on Designing and Realizing an Innovation Algorithm. , 2018, , .		0
304	Hybrid Imperialist Competitive and Grey Wolf Algorithm to Solve Multiobjective Optimal Power Flow with Wind and Solar Units. Energies, 2018, 11, 2891.	1.6	17
305	Adaptive Multiswarm Comprehensive Learning Particle Swarm Optimization. Information (Switzerland), 2018, 9, 173.	1.7	8
306	Using Metaheuristics for Hyper-Parameter Optimization of Convolutional Neural Networks. , 2018, , .		17
307	Symbiotic Approach for Datamining. , 2018, , .		1
308	Review of Basic Local Searches for Solving the Minimum Sum-of-Squares Clustering Problem. Springer Optimization and Its Applications, 2018, , 249-270.	0.6	2
309	An Enhanced Cuckoo Search Algorithm for Solving Optimization Problems. , 2018, , .		12
310	Hiperheurística para el planeamiento del transporte público. Entre Ciencia E Ingeniería, 2018, 12, 103.	0.2	1

#	ARTICLE	IF	CITATIONS
311	On the Design of Metaheuristics-Based Algorithm Portfolios. Springer Optimization and Its Applications, 2018, , 271-284.	0.6	1
312	Coyote Optimization Algorithm: A New Metaheuristic for Global Optimization Problems. , 2018, , .		274
313	An effective implementation of Social Spider Optimization for text document clustering using single cluster approach. , 2018, , .		1
314	Adaptation of ant supercolony behavior to solve route assignment problem in integers. International Journal of Intelligent Computing and Cybernetics, 2018, 11, 423-442.	1.6	1
315	Performance Evaluation of Crow Search Algorithm on Capacitated Vehicle Routing Problem. Communications in Computer and Information Science, 2018, , 91-98.	0.4	1
316	MultiCuckoo: Multi-Cloud Service Composition Using a Cuckoo-Inspired Algorithm for the Internet of Things Applications. IEEE Access, 2018, 6, 56737-56749.	2.6	29
317	Nature-Inspired Heuristics: Overview and Critique. , 2018, , 158-192.		5
318	Continuous-Time Nonlinear Block-Oriented Dynamic System Identification from Sampled Step and Step-Like Responses. , 2018, , .		3
319	Energy Efficient Management of Pipelines in Buildings Using Linear Wireless Sensor Networks. Sensors, 2018, 18, 2618.	2.1	20
320	Electromagnetic Optimization Based on Gaussian Crow Search Approach. , 2018, , .		5
321	Ant Lion Approach Based on Lozi Map for Multiobjective Transformer Design Optimization. , 2018, , .		5
322	Metaheuristic optimization methods for calibration of system dynamics models. Journal of Simulation, 2018, 12, 190-209.	1.0	8
323	Evolutionary algorithm with ensemble strategies based on maximum a posteriori for continuous optimization. Information Sciences, 2018, 460-461, 1-22.	4.0	4
324	A semi-autonomous particle swarm optimizer based on gradient information and diversity control for global optimization. Applied Soft Computing Journal, 2018, 69, 330-343.	4.1	26
325	Autonomous task allocation for multi-UAV systems based on the locust elastic behavior. Applied Soft Computing Journal, 2018, 71, 110-126.	4.1	44
326	LACE: A Locust-Inspired Scheduling Algorithm to Reduce Energy Consumption in Cloud Datacenters. IEEE Access, 2018, 6, 35435-35448.	2.6	19
327	Neighbour teaching learning based optimization for global optimization problems. Journal of Intelligent and Fuzzy Systems, 2018, 34, 1583-1594.	0.8	15
328	MTLBO-MS: Modified teaching learning based optimization on multicore system. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
329	Developing a Novel Hybrid Biogeography-Based Optimization Algorithm for Multilayer Perceptron Training under Big Data Challenge. Scientific Programming, 2018, 2018, 1-7.	0.5	10
330	Minimizing the Makespan for a Two-Stage Three-Machine Assembly Flow Shop Problem with the Sum-of-Processing-Time Based Learning Effect. Discrete Dynamics in Nature and Society, 2018, 2018, 1-15.	0.5	8
331	Dolphin echolocation algorithm for optimal sizing of grid-connected photovoltaic system. , 2018, , .		3
332	Dummy-atom modelling of stacked and helical nanostructures from solution scattering data. IUCrj, 2018, 5, 390-401.	1.0	10
333	Single-solution Simulated Kalman Filter algorithm for global optimisation problems. Sadhana - Academy Proceedings in Engineering Sciences, 2018, 43, 1.	0.8	9
334	Let nature decide its nature: On the design of collaborative hyperheuristics for decentralized ephemeral environments. Future Generation Computer Systems, 2018, 88, 792-805.	4.9	4
335	Multiobjective lightning search applied to Jiles-Atherton hysteresis model parameter estimation. , 2018, , .		1
336	Ant Lion Optimization algorithm for kidney exchanges. PLoS ONE, 2018, 13, e0196707.	1.1	13
337	Green Swarm: Greener routes with bio-inspired techniques. Applied Soft Computing Journal, 2018, 71, 952-963.	4.1	9
338	Dependent input sampling strategies. , 2018, , .		0
339	User-In-The-Loop Content Delivery in Cellular Communication Networks with Heterogeneous User Behaviors. Applied Sciences (Switzerland), 2018, 8, 704.	1.3	1
340	Hybrid metaheuristics and multi-agent systems for solving optimization problems: A review of frameworks and a comparative analysis. Applied Soft Computing Journal, 2018, 71, 433-459.	4.1	48
341	Natural selection methods for Grey Wolf Optimizer. Expert Systems With Applications, 2018, 113, 481-498.	4.4	73
342	Ant-based sorting and ACO-based clustering approaches: A review. , 2018, , .		5
343	A hybrid mobile call fraud detection model using optimized fuzzy C-means clustering and group method of data handling-based network. Vietnam Journal of Computer Science, 2018, 5, 205-217.	1.0	9
344	A modified whale optimization algorithm for large-scale global optimization problems. Expert Systems With Applications, 2018, 114, 563-577.	4.4	163
345	Metaheuristic Algorithms: A Comprehensive Review. , 2018, , 185-231.		225
346	Design of a High Gain Observer Optimization Method for the State Synchronization of Nonlinear Perturbed Chaotic Systems. Journal of Computational and Nonlinear Dynamics, 2018, 13, .	0.7	5

#	ARTICLE	IF	CITATIONS
347	Genetic programming modelling for the electrical resistivity of Cuâ€Zn thin films. <i>Pramana - Journal of Physics</i> , 2018, 91, 1.	0.9	3
349	A hyper-heuristic based artificial bee colony algorithm for k-Interconnected multi-depot multi-traveling salesman problem. <i>Information Sciences</i> , 2018, 463-464, 261-281.	4.0	40
350	Accelerated Opposition-Based Antlion Optimizer with Application to Order Reduction of Linear Time-Invariant Systems. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 2213-2241.	1.7	28
351	Ant Colony Optimization based model checking extended by smell-like pheromone with hop counts. <i>Swarm and Evolutionary Computation</i> , 2019, 44, 511-521.	4.5	5
352	Metaheuristic-based extreme learning machines: a review of design formulations and applications. <i>International Journal of Machine Learning and Cybernetics</i> , 2019, 10, 1543-1561.	2.3	34
353	Hybrid binary ant lion optimizer with rough set and approximate entropy reduces for feature selection. <i>Soft Computing</i> , 2019, 23, 6249-6265.	2.1	112
354	Natural selection methods for artificial bee colony with new versions of onlooker bee. <i>Soft Computing</i> , 2019, 23, 6455-6494.	2.1	44
355	New NSGA-II-based OLSR self-organized routing protocol for mobile ad hoc networks. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2019, 10, 1339-1359.	3.3	15
356	A quantum-inspired vortex search algorithm with application to function optimization. <i>Natural Computing</i> , 2019, 18, 647-674.	1.8	9
357	Granular cognitive maps: a review. <i>Granular Computing</i> , 2019, 4, 451-467.	4.4	8
358	Optimal Home Energy Management for Smart Home using Random Bit Climbing. , 2019, , .		4
359	Improving the wave iterative method by metaheuristic algorithms. <i>Journal of Computational Electronics</i> , 2019, 18, 1365-1371.	1.3	3
360	A Novel Distance Metric Based on Differential Evolution. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 9641-9651.	1.7	8
361	Supply-Demand-Based Optimization: A Novel Economics-Inspired Algorithm for Global Optimization. <i>IEEE Access</i> , 2019, 7, 73182-73206.	2.6	132
362	Multiobjective Construction Optimization Model Based on Quantum Genetic Algorithm. <i>Advances in Civil Engineering</i> , 2019, 2019, 1-8.	0.4	6
363	CCSA: Conscious Neighborhood-based Crow Search Algorithm for Solving Global Optimization Problems. <i>Applied Soft Computing Journal</i> , 2019, 85, 105583.	4.1	109
364	Optimized control and neural observers with germinal center optimization: A review. <i>Annual Reviews in Control</i> , 2019, 48, 273-280.	4.4	1
365	Henry gas solubility optimization: A novel physics-based algorithm. <i>Future Generation Computer Systems</i> , 2019, 101, 646-667.	4.9	687

#	ARTICLE	IF	CITATIONS
366	Adaptive task allocation for multi-UAV systems based on bacteria foraging behaviour. Applied Soft Computing Journal, 2019, 83, 105643.	4.1	38
367	A Quaternion's Encoding Sine Cosine Algorithm. Lecture Notes in Computer Science, 2019, , 707-718.	1.0	3
368	Effective Hot Rolling Batch Scheduling Algorithms in Compact Strip Production. IEEE Transactions on Automation Science and Engineering, 2019, 16, 1933-1951.	3.4	20
369	C-HMOSHSSA: Gene selection for cancer classification using multi-objective meta-heuristic and machine learning methods. Computer Methods and Programs in Biomedicine, 2019, 178, 219-235.	2.6	59
370	Multiobjective virtual machine placement mechanisms using nature-inspired metaheuristic algorithms in cloud environments: A comprehensive review. International Journal of Communication Systems, 2019, 32, e4068.	1.6	51
371	Basalt Tectonic Discrimination Using Combined Machine Learning Approach. Minerals (Basel), 2019, 9, 1078-1091.	0.8	11
372	Construction of a 5D duration and cost optimisation model based on genetic algorithm and BIM. Journal of Engineering, Design and Technology, 2019, 17, 929-942.	1.1	15
373	An Improved Rider Optimization Algorithm for Solving Engineering Optimization Problems. IEEE Access, 2019, 7, 80570-80576.	2.6	20
374	An Enhanced Lightning Attachment Procedure Optimization Algorithm. Algorithms, 2019, 12, 134.	1.2	6
375	A decision support method for designing vegetation layers with minimised irrigation need. Annals of Operations Research, 2019, , 1.	2.6	2
376	A Biased-Randomized Iterated Local Search Algorithm for Rich Portfolio Optimization. Applied Sciences (Switzerland), 2019, 9, 3509.	1.3	27
377	Cultural coyote optimization algorithm applied to a heavy duty gas turbine operation. Energy Conversion and Management, 2019, 199, 111932.	4.4	73
378	Performance Study of Bio-Inspired Approach to Clustering in Wireless Sensor Networks. , 2019, , .		1
379	Long-Term Memory Harris Hawk Optimization for High Dimensional and Optimal Power Flow Problems. IEEE Access, 2019, 7, 147596-147616.	2.6	61
380	Parameter estimation and uncertainty quantification for systems biology models. Current Opinion in Systems Biology, 2019, 18, 9-18.	1.3	38
381	An adaptive multi-objective algorithm based on decomposition and large neighborhood search for a green machine scheduling problem. Swarm and Evolutionary Computation, 2019, 51, 100601.	4.5	34
382	A Framework for the Joint Placement of Edge Service Infrastructure and User Plane Functions for 5G. Sensors, 2019, 19, 3975.	2.1	28
383	Wrapper for Building Classification Models Using Covering Arrays. IEEE Access, 2019, 7, 148297-148312.	2.6	5

#	ARTICLE	IF	CITATIONS
384	Symmetric-Approximation Energy-Based Estimation of Distribution (SEED): A Continuous Optimization Algorithm. IEEE Access, 2019, 7, 154859-154871.	2.6	4
385	A comparison study of three single-solution based metaheuristic optimisation for stacked auto encoder. Journal of Physics: Conference Series, 2019, 1192, 012066.	0.3	2
386	Optimization of Resource Allocation in Cloud Computing by Grasshopper Optimization Algorithm. , 2019, , .		9
387	A self-adaptive artificial bee colony algorithm with local search for TSK-type neuro-fuzzy system training. , 2019, , .		3
388	Binary 100-digit challenge using IEEE-754 coded numerical optimization scenarios (100b-digit) and V-shape binary distance-based success history differential evolution (DISHv). , 2019, , .		0
389	A survey on new generation metaheuristic algorithms. Computers and Industrial Engineering, 2019, 137, 106040.	3.4	510
390	Improving genetic algorithm performance by population initialisation with dispatching rules. Computers and Industrial Engineering, 2019, 137, 106030.	3.4	45
391	Hybrid approach based on particle swarm optimization for electricity markets participation. Energy Informatics, 2019, 2, .	1.4	14
392	Electrostatic discharge algorithm: a novel natureâ€inspired optimisation algorithm and its application to worstâ€case tolerance analysis of an EMC filter. IET Science, Measurement and Technology, 2019, 13, 491-499.	0.9	29
393	Nuclear Reaction Optimization: A Novel and Powerful Physics-Based Algorithm for Global Optimization. IEEE Access, 2019, 7, 66084-66109.	2.6	87
394	Introduction to Meta-heuristic Optimization Algorithms. Power Systems, 2019, , 3-20.	0.3	4
395	Dynamically Dimensioned Search Embedded with Piecewise Opposition-Based Learning for Global Optimization. Scientific Programming, 2019, 2019, 1-20.	0.5	4
396	The Tabu_Genetic Algorithm: A Novel Method for Hyper-Parameter Optimization of Learning Algorithms. Electronics (Switzerland), 2019, 8, 579.	1.8	31
397	Optimization Model Calculation of Construction Cost and Time Based on Genetic Algorithm. IOP Conference Series: Earth and Environmental Science, 2019, 242, 062044.	0.2	3
398	Feature selection for intrusion detection using new multi-objective estimation of distribution algorithms. Applied Intelligence, 2019, 49, 4237-4257.	3.3	33
399	A Step-by-Step Guide to Using BioNetFit. Methods in Molecular Biology, 2019, 1945, 391-419.	0.4	2
400	A survey on partitioning models, solution algorithms and algorithm parallelization for hardware/software co-design. Design Automation for Embedded Systems, 2019, 23, 57-77.	0.7	23
401	Metaheuristics-based Multi-objective Design of Global Robust Optimal Sliding Mode Control of Discrete Uncertain Systems. International Journal of Control, Automation and Systems, 2019, 17, 1378-1392.	1.6	2

#	ARTICLE	IF	CITATIONS
402	A Novel Adaptive Intelligent Ensemble Model for Forecasting Primary Energy Demand. <i>Energies</i> , 2019, 12, 1347.	1.6	3
403	Assigning customer-dependent travel time limits to routes in a cold-chain inventory routing problem. <i>Computers and Industrial Engineering</i> , 2019, 133, 275-291.	3.4	25
404	Constraints in multi-objective optimization of land use allocation – Repair or penalize?. <i>Environmental Modelling and Software</i> , 2019, 118, 241-251.	1.9	54
405	Swarm intelligence for clustering – A systematic review with new perspectives on data mining. <i>Engineering Applications of Artificial Intelligence</i> , 2019, 82, 313-329.	4.3	58
406	Genetic algorithm-based multi-objective design of optimal discrete sliding mode approach for trajectory tracking of nonlinear systems. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2019, 233, 5237-5252.	1.1	7
407	Comparative study of hybrid artificial neural network methods under stationary and nonstationary data in stock market. <i>Managerial and Decision Economics</i> , 2019, 40, 460-471.	1.3	3
408	Metaheuristic Optimization. <i>Studies in Computational Intelligence</i> , 2019, , 13-26.	0.7	1
409	Evolutionary Computation Meets Multiagent Systems for Better Solving Optimization Problems. <i>Communications in Computer and Information Science</i> , 2019, , 27-41.	0.4	0
410	Adaptive η -hill climbing for optimization. <i>Soft Computing</i> , 2019, 23, 13489-13512.	2.1	39
411	An Enhanced Recursive Firefly Algorithm for Informative Gene Selection. <i>International Journal of Swarm Intelligence Research</i> , 2019, 10, 21-33.	0.5	13
412	The use of frontier techniques to identify efficient solutions for the Berth Allocation Problem solved with a hybrid evolutionary algorithm. <i>Computers and Operations Research</i> , 2019, 107, 43-60.	2.4	14
413	Variance-based differential evolution algorithm with an optional crossover for data clustering. <i>Applied Soft Computing Journal</i> , 2019, 80, 1-17.	4.1	46
414	A comprehensive survey: Whale Optimization Algorithm and its applications. <i>Swarm and Evolutionary Computation</i> , 2019, 48, 1-24.	4.5	428
415	Design of heat exchangers using Falcon Optimization Algorithm. <i>Applied Thermal Engineering</i> , 2019, 156, 119-144.	3.0	110
416	A Memetic Chaotic Gravitational Search Algorithm for unconstrained global optimization problems. <i>Applied Soft Computing Journal</i> , 2019, 79, 14-29.	4.1	45
417	Parallelized Metaheuristic-Ensemble of Heterogeneous Feedforward Neural Networks for Regression Problems. <i>IEEE Access</i> , 2019, 7, 26909-26932.	2.6	15
418	JCLEC-MO: A Java suite for solving many-objective optimization engineering problems. <i>Engineering Applications of Artificial Intelligence</i> , 2019, 81, 14-28.	4.3	8
419	Balancing Multi-Manned Assembly Lines With Walking Workers: Problem Definition, Mathematical Formulation, and an Electromagnetic Field Optimisation Algorithm. <i>International Journal of Production Research</i> , 2019, 57, 6487-6505.	4.9	25

#	ARTICLE	IF	CITATIONS
420	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.	2.6	171
421	Numerical algorithm for morphogen synthesis region identification with indirect image-type measurement data. Journal of Bioinformatics and Computational Biology, 2019, 17, 1940002.	0.3	9
422	Evolving neural networks using bird swarm algorithm for data classification and regression applications. Cluster Computing, 2019, 22, 1317-1345.	3.5	24
423	Cooperative Asynchronous Parallel Particle Swarm Optimization for Large Dimensional Problems. International Journal of Applied Metaheuristic Computing, 2019, 10, 19-38.	0.5	3
424	A Hybrid Machine Learning Approach to Concurrent Query Performance Prediction. , 2019, , .		0
425	Numerical Solution of the Coefficient Inverse Problem for a Production-Destruction Model with Various Adjoint Ensemble Designs. , 2019, , .		0
426	Memory-Based Evolutionary Algorithms for Nonlinear and Stochastic Programming Problems. Mathematics, 2019, 7, 1126.	1.1	4
427	A GRASP-Simulated Annealing approach applied to solve Multi-Processor Task Scheduling problems. , 2019, , .		1
428	Optimization of Hyper Parameter Bandwidth on Naïve Bayes Kernel Density Estimation for the Breast Cancer Classification. , 2019, , .		4
429	An Efficient Multi-Objective Hybrid Simheuristic Approach for Advanced Rolling Horizon Production Planning. , 2019, , .		3
430	A comparison of building energy optimization problems and mathematical test functions using static fitness landscape analysis. Journal of Building Performance Simulation, 2019, 12, 789-811.	1.0	5
431	Improved Black Hole Algorithm Based on Golden Sine Operator and Levy Flight Operator. IEEE Access, 2019, 7, 161459-161486.	2.6	21
432	Survey on Analysis of Meta-Heuristic Optimization methodologies for node Network Environment. , 2019, , .		3
433	Optimization of Cerbera manghas Biodiesel Production Using Artificial Neural Networks Integrated with Ant Colony Optimization. Energies, 2019, 12, 3811.	1.6	22
434	Optimal Performance Emulation of PSCs using the Elephant Herd Algorithm Associated with Experimental Validation. ECS Journal of Solid State Science and Technology, 2019, 8, Q249-Q255.	0.9	25
435	Metaheuristic Optimisation Algorithms for Tuning a Bioinspired Retinal Model. Sensors, 2019, 19, 4834.	2.1	4
436	A new binary grasshopper optimization algorithm for feature selection problem. Journal of King Saud University - Computer and Information Sciences, 2022, 34, 316-328.	2.7	45
437	Parameter Tuning in Load Balancing Techniques for Wireless Sensor Networks through Genetic Algorithms. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
438	Dynamically Dimensioned Search Grey Wolf Optimizer Based on Positional Interaction Information. Complexity, 2019, 2019, 1-36.	0.9	8
439	High Gain Observer Optimization Techniques-Based Synchronization for Nonlinear Chaotic Systems. Lecture Notes in Electrical Engineering, 2019, , 168-181.	0.3	0
440	Majority voting for discrete population-based optimization algorithms. Soft Computing, 2019, 23, 1-18.	2.1	53
441	A survey of many-objective optimisation in search-based software engineering. Journal of Systems and Software, 2019, 149, 382-395.	3.3	65
442	SVSA: a Semi-Vortex Search Algorithm for solving optimization problems. International Journal of Data Science and Analytics, 2019, 8, 15-32.	2.4	5
443	Genetic Algorithm-Based Oversampling Technique to Learn from Imbalanced Data. Advances in Intelligent Systems and Computing, 2019, , 387-397.	0.5	2
444	Multi-Objective Design of Optimal Sliding Mode Control for Trajectory Tracking of SCARA Robot Based on Genetic Algorithm. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2019, 141, .	0.9	8
445	Hyper-parameter optimization tools comparison for multiple object tracking applications. Machine Vision and Applications, 2019, 30, 269-289.	1.7	19
446	Operational supply and demand optimisation of a multi-vector district energy system using artificial neural networks and a genetic algorithm. Applied Energy, 2019, 235, 699-713.	5.1	94
447	Software component identification and selection: A research review. Software - Practice and Experience, 2019, 49, 40-69.	2.5	6
448	Artificial intelligence enabled software-defined networking: a comprehensive overview. IET Networks, 2019, 8, 79-99.	1.1	80
449	A novel multi-objective optimization algorithm based on Lightning Attachment Procedure Optimization algorithm. Applied Soft Computing Journal, 2019, 75, 404-427.	4.1	37
450	The whirlpool algorithm based on physical phenomenon for solving optimization problems. Engineering Computations, 2019, 36, 664-690.	0.7	7
451	An improved moth-flame optimization algorithm for solving optimal power flow problem. International Transactions on Electrical Energy Systems, 2019, 29, e2743.	1.2	94
452	A new block matching algorithm based on stochastic fractal search. Applied Intelligence, 2019, 49, 1146-1160.	3.3	8
453	Symbiotic organisms search algorithm: Theory, recent advances and applications. Expert Systems With Applications, 2019, 119, 184-209.	4.4	109
454	Success history applied to expert system for underwater glider path planning using differential evolution. Expert Systems With Applications, 2019, 119, 155-170.	4.4	53
455	An Optimized Random Forest Classifier for Diabetes Mellitus. Advances in Intelligent Systems and Computing, 2019, , 765-773.	0.5	20

#	ARTICLE	IF	CITATIONS
456	Comprehensive Learning Particle Swarm Optimization Algorithm With Local Search for Multimodal Functions. IEEE Transactions on Evolutionary Computation, 2019, 23, 718-731.	7.5	283
457	Evolutionary algorithms for species distribution modelling: A review in the context of machine learning. Ecological Modelling, 2019, 392, 179-195.	1.2	72
458	Introductory overview: Optimization using evolutionary algorithms and other metaheuristics. Environmental Modelling and Software, 2019, 114, 195-213.	1.9	169
459	Meta-heuristics for reverse logistics: A literature review and perspectives. Computers and Industrial Engineering, 2019, 127, 45-62.	3.4	40
460	Self-adapt reservoir clusterization method to enhance robustness of well placement optimization. Journal of Petroleum Science and Engineering, 2019, 173, 37-52.	2.1	42
461	A hybrid clonal selection algorithm with modified combinatorial recombination and success-history based adaptive mutation for numerical optimization. Applied Intelligence, 2019, 49, 819-836.	3.3	12
462	Self-organizing hierarchical monkey algorithm with time-varying parameter. Neural Computing and Applications, 2019, 31, 3245-3263.	3.2	4
463	Prediction of permanent deformation in asphalt pavements using a novel symbiotic organisms searchâ€“least squares support vector regression. Neural Computing and Applications, 2019, 31, 6261-6273.	3.2	45
464	A biased random key genetic algorithm for the proteinâ€“ligand docking problem. Soft Computing, 2019, 23, 4155-4176.	2.1	10
465	Robust genetically optimized skew laminates. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 146-159.	1.1	25
466	A Systematic Review of Interaction in Search-Based Software Engineering. IEEE Transactions on Software Engineering, 2019, 45, 760-781.	4.3	33
467	GPU parallelization strategies for metaheuristics: a survey. International Journal of Parallel, Emergent and Distributed Systems, 2019, 34, 497-522.	0.7	28
468	A novel nature-inspired algorithm for optimization: Squirrel search algorithm. Swarm and Evolutionary Computation, 2019, 44, 148-175.	4.5	630
469	An efficient multi-core implementation of the Jaya optimisation algorithm. International Journal of Parallel, Emergent and Distributed Systems, 2019, 34, 288-320.	0.7	9
470	Metaheuristic research: a comprehensive survey. Artificial Intelligence Review, 2019, 52, 2191-2233.	9.7	480
471	Improved salp swarm algorithm for feature selection. Journal of King Saud University - Computer and Information Sciences, 2020, 32, 335-344.	2.7	84
472	Nuclear Fissionâ€“Nuclear Fusion algorithm for global optimization: a modified Big Bangâ€“Big Crunch algorithm. Neural Computing and Applications, 2020, 32, 2751-2783.	3.2	8
473	A novel numerical optimization algorithm inspired from garden balsam. Neural Computing and Applications, 2020, 32, 16783-16794.	3.2	5

#	ARTICLE	IF	CITATIONS
474	From ants to whales: metaheuristics for all tastes. <i>Artificial Intelligence Review</i> , 2020, 53, 753-810.	9.7	109
475	An improved differential-based harmony search algorithm with linear dynamic domain. <i>Knowledge-Based Systems</i> , 2020, 187, 104809.	4.0	30
476	A non-convex economic load dispatch problem with valve loading effect using a hybrid grey wolf optimizer. <i>Neural Computing and Applications</i> , 2020, 32, 12127-12154.	3.2	43
477	Metaheuristics and Swarm Methods: A Discussion on Their Performance and Applications. <i>Intelligent Systems Reference Library</i> , 2020, , 43-67.	1.0	2
478	A novel meta-heuristic optimization method based on golden ratio in nature. <i>Soft Computing</i> , 2020, 24, 1117-1151.	2.1	75
479	Binary Whale Optimization Algorithm and Binary Moth Flame Optimization with Clustering Algorithms for Clinical Breast Cancer Diagnoses. <i>Journal of Classification</i> , 2020, 37, 66-96.	1.2	22
480	Mathematical optimization in enhancing the sustainability of aircraft trajectory: A review. <i>International Journal of Sustainable Transportation</i> , 2020, 14, 413-436.	2.1	14
481	Accelerated particle swarm optimization with explicit consideration of model constraints. <i>Cluster Computing</i> , 2020, 23, 149-164.	3.5	1
482	Finding all global optima of engineering design problems with discrete signomial terms. <i>Engineering Optimization</i> , 2020, 52, 165-184.	1.5	1
483	Enhance chaotic gravitational search algorithm (CGSA) by balance adjustment mechanism and sine randomness function for continuous optimization problems. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 537, 122621.	1.2	18
484	Detection of HTTP flooding attacks in cloud using fuzzy bat clustering. <i>Neural Computing and Applications</i> , 2020, 32, 9603-9619.	3.2	9
485	An adaptive inertia weight teaching-learning-based optimization algorithm and its applications. <i>Applied Mathematical Modelling</i> , 2020, 77, 309-326.	2.2	81
486	A Survey of Automatic Parameter Tuning Methods for Metaheuristics. <i>IEEE Transactions on Evolutionary Computation</i> , 2020, 24, 201-216.	7.5	185
487	Intelligent Secure Ecosystem Based on Metaheuristic and Functional Link Neural Network for Edge of Things. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 1947-1956.	7.2	30
488	Scheduling in Cloud Computing Environment using Metaheuristic Techniques: A Survey. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 753-763.	0.5	12
489	Design of fuzzy logic system framework using evolutionary techniques. <i>Soft Computing</i> , 2020, 24, 4455-4468.	2.1	11
490	Refined selfish herd optimizer for global optimization problems. <i>Expert Systems With Applications</i> , 2020, 139, 112838.	4.4	21
491	Introduction to Multi-objective Optimization. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2020, , 1-9.	0.2	0

#	ARTICLE	IF	CITATIONS
492	Less is more: variable neighborhood search for integrated production and assembly in smart manufacturing. <i>Journal of Scheduling</i> , 2020, 23, 649-664.	1.3	9
493	Applying Social Choice Theory to Solve Engineering Multi-objective Optimization Problems. <i>Journal of Control, Automation and Electrical Systems</i> , 2020, 31, 119-128.	1.2	6
494	Grey prediction evolution algorithm for global optimization. <i>Applied Mathematical Modelling</i> , 2020, 79, 145-160.	2.2	49
495	Parasitism " Predation algorithm (PPA): A novel approach for feature selection. <i>Ain Shams Engineering Journal</i> , 2020, 11, 293-308.	3.5	49
496	A new algorithm for normal and large-scale optimization problems: Nomadic People Optimizer. <i>Neural Computing and Applications</i> , 2020, 32, 10359-10386.	3.2	70
497	A study on metaheuristics approaches for gene selection in microarray data: algorithms, applications and open challenges. <i>Evolutionary Intelligence</i> , 2020, 13, 309-329.	2.3	26
498	A taxonomic review of metaheuristic algorithms for solving the vehicle routing problem and its variants. <i>Computers and Industrial Engineering</i> , 2020, 140, 106242.	3.4	140
499	Hybrid whale optimization algorithm enhanced with Lévy flight and differential evolution for job shop scheduling problems. <i>Applied Soft Computing Journal</i> , 2020, 87, 105954.	4.1	97
500	A Hierarchical Fuzzy-Optimal Strategy for Station-Keeping Maneuver of a GEO Satellite. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2020, 56, 2212-2227.	2.6	4
501	Electric fish optimization: a new heuristic algorithm inspired by electrolocation. <i>Neural Computing and Applications</i> , 2020, 32, 11543-11578.	3.2	65
502	Imaging the search space: a nature-inspired metaheuristic extension. <i>Evolutionary Intelligence</i> , 2020, 13, 463-474.	2.3	2
503	A modified Henry gas solubility optimization for solving motif discovery problem. <i>Neural Computing and Applications</i> , 2020, 32, 10759-10771.	3.2	69
504	A Hyper-Heuristic for the Orienteering Problem With Hotel Selection. <i>IEEE Access</i> , 2020, 8, 1303-1313.	2.6	9
505	Trajectory Optimization for a Six-DOF Cable-Suspended Parallel Robot with Dynamic Motions Beyond the Static Workspace. , 2020, , .		2
506	Bio-Inspired Metaheuristics. <i>International Journal of Organizational and Collective Intelligence</i> , 2020, 10, 1-18.	0.3	2
507	An evolutionary approach to black-box optimization on matrix manifolds. <i>Applied Soft Computing Journal</i> , 2020, 97, 106773.	4.1	1
508	A vehicle-UAV operation scheme for instant delivery. <i>Computers and Industrial Engineering</i> , 2020, 149, 106809.	3.4	40
509	AI-Assisted Framework for Green-Routing and Load Balancing in Hybrid Software-Defined Networking: Proposal, Challenges and Future Perspective. <i>IEEE Access</i> , 2020, 8, 166384-166441.	2.6	14

#	ARTICLE	IF	CITATIONS
510	Parallelizing Comprehensive Learning Particle Swarm Optimization by Open Computing Language on an Integrated Graphical Processing Unit. Complexity, 2020, 2020, 1-17.	0.9	1
511	Plasma generation optimization: a new physically-based metaheuristic algorithm for solving constrained optimization problems. Engineering Computations, 2021, 38, 1554-1606.	0.7	36
512	Optimal design of a parallel robotic gripper using enhanced multi-objective ant lion optimizer with a sensitivity analysis approach. Assembly Automation, 2020, 40, 703-721.	1.0	3
513	Grey Prediction Evolution Algorithm Based on Accelerated Even Grey Model. IEEE Access, 2020, 8, 107941-107957.	2.6	18
514	IBDA: Improved Binary Dragonfly Algorithm With Evolutionary Population Dynamics and Adaptive Crossover for Feature Selection. IEEE Access, 2020, 8, 108032-108051.	2.6	19
515	A new iterative method for solving the joint dynamic storage location assignment, order batching and picker routing problem in manual picker-to-parts warehouses. Computers and Industrial Engineering, 2020, 147, 106645.	3.4	21
516	African buffalo algorithm: Training the probabilistic neural network to solve classification problems. Journal of King Saud University - Computer and Information Sciences, 2022, 34, 1808-1818.	2.7	18
517	Sum-rate maximization and data delivery for wireless seismic acquisition. Wireless Networks, 2020, 26, 6095-6110.	2.0	2
518	An efficient hybrid multi-criteria optimization approach for rolling production smoothing of a European food manufacturer. Computers and Industrial Engineering, 2020, 147, 106620.	3.4	6
519	A Probabilistic VDTN Routing Scheme Based on Hybrid Swarm-Based Approach. Future Internet, 2020, 12, 192.	2.4	4
520	A Modified Whale Optimization Algorithm with Single-Dimensional Swimming for Global Optimization Problems. Symmetry, 2020, 12, 1892.	1.1	7
521	A Modified Salp Swarm Algorithm Based on the Perturbation Weight for Global Optimization Problems. Complexity, 2020, 2020, 1-17.	0.9	6
522	An Effective Solution to Single-Area Dynamic Dispatch Using Improved Chimp Optimizer. E3S Web of Conferences, 2020, 184, 01069.	0.2	4
523	Overview of Multi-Objective Optimization Approaches in Construction Project Management. , 0, , .		6
524	Seasons optimization algorithm. Engineering With Computers, 2022, 38, 1845-1865.	3.5	10
525	Self Adaptive Learning "Great Deluge Based Hyper-heuristics for Solving Cross Optimization Problem Domains. , 2020, , .		0
526	Coronavirus Optimization Algorithm: A Bioinspired Metaheuristic Based on the COVID-19 Propagation Model. Big Data, 2020, 8, 308-322.	2.1	111
527	Hybrid tabu search algorithm for weight optimization of planar steel frames. Engineering Optimization, 2020, , 1-15.	1.5	7

#	ARTICLE	IF	CITATIONS
528	Kinetic-molecular theory optimization algorithm using opposition-based learning and varying accelerated motion. <i>Soft Computing</i> , 2020, 24, 12709-12730.	2.1	4
529	Adjoint Ensemble Methods for the Inverse Modeling of Biological Processes. , 2020, , .		0
530	Estimation of Distribution Algorithms with Fuzzy Sampling for Stochastic Programming Problems. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6937.	1.3	2
531	Binary JAYA Algorithm with Adaptive Mutation for Feature Selection. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 10875-10890.	1.7	39
532	Mendelian evolutionary theory optimization algorithm. <i>Soft Computing</i> , 2020, 24, 14345-14390.	2.1	27
533	Application of Differential Evolution to Mono-objective Tuning of Vibration Spectrum Analyzers based on Microelectromechanical Systems. , 2020, , .		0
534	A critical analysis of the bat algorithm. <i>Engineering Reports</i> , 2020, 2, e12212.	0.9	6
535	Cleaning cycle optimisation in non-tracking ground mounted solar PV systems using Particle Swarm Optimisation. <i>International Journal for Simulation and Multidisciplinary Design Optimization</i> , 2020, 11, 9.	0.6	5
536	Tip Position Control and Vibration Suppression of a Planar Two-Link Rigid-Flexible Underactuated Manipulator. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 6771-6783.	6.2	20
537	Immune Plasma Algorithm: A Novel Meta-Heuristic for Optimization Problems. <i>IEEE Access</i> , 2020, 8, 220227-220245.	2.6	28
538	A new taxonomy of global optimization algorithms. <i>Natural Computing</i> , 2022, 21, 219-242.	1.8	35
539	Path Planning Algorithm for Unmanned Ground Vehicles (UGVs) in Known Static Environments. <i>Procedia Computer Science</i> , 2020, 177, 57-63.	1.2	6
540	Hybrid GA-gradient method for thin films ellipsometric data evaluation. <i>Journal of Computational Science</i> , 2020, 47, 101201.	1.5	3
541	Metaheuristic Optimization of Power and Energy Systems: Underlying Principles and Main Issues of the "Rush to Heuristics". <i>Energies</i> , 2020, 13, 5097.	1.6	30
542	A Hybrid Spherical Search and Sine Cosine Algorithm. , 2020, , .		2
543	Emerging Inter-Swarm Collaboration for Surveillance Using Pheromones and Evolutionary Techniques. <i>Sensors</i> , 2020, 20, 2566.	2.1	6
544	ATLA: A novel metaheuristic optimization algorithm inspired by the mating search behavior of longicorn beetles in the nature. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 782, 052028.	0.3	7
545	Performance enhancement of an ultra-scaled double-gate graphene nanoribbon tunnel field-effect transistor using channel doping engineering: Quantum simulation study. <i>AEU - International Journal of Electronics and Communications</i> , 2020, 122, 153287.	1.7	28

#	ARTICLE	IF	CITATIONS
546	A parallel compact cuckoo search algorithm for three-dimensional path planning. Applied Soft Computing Journal, 2020, 94, 106443.	4.1	116
547	A new metaheuristic based on vapor-liquid equilibrium for solving a new patient bed assignment problem. Expert Systems With Applications, 2020, 158, 113506.	4.4	4
548	Particle swarm optimization-based strategy for detecting border-collision bifurcation points in piecewise smooth maps. Applied Soft Computing Journal, 2020, 95, 106319.	4.1	3
549	A rapid learning automata-based approach for generalized minimum spanning tree problem. Journal of Combinatorial Optimization, 2020, 40, 636-659.	0.8	1
550	LÃ©vy flight distribution: A new metaheuristic algorithm for solving engineering optimization problems. Engineering Applications of Artificial Intelligence, 2020, 94, 103731.	4.3	296
551	A Proposal for the Organisational Measure in Intelligent Systems. Applied Sciences (Switzerland), 2020, 10, 1806.	1.3	3
552	A novel Energy-efficient Resource Allocation algorithm for Non-orthogonal Multiple Access (NOMA) based M2M communication. , 2020, , .		0
553	A survey of evolutionary computation for association rule mining. Information Sciences, 2020, 524, 318-352.	4.0	127
554	A close neighbor mobility method using particle swarm optimizer for solving multimodal optimization problems. Information Sciences, 2020, 519, 332-347.	4.0	44
555	Multiobjective optimal power flow using interior search algorithm: A case study on a real-time electrical network. Computational Intelligence, 2020, 36, 1078-1096.	2.1	17
556	Application of metaheuristic algorithms in DC-optimal power flow. African Journal of Science, Technology, Innovation and Development, 2020, 12, 867-872.	0.8	4
557	Vehicular Fog Resource Allocation Scheme: A Multi-Objective Optimization based Approach. , 2020, , .		7
558	A multi-population memetic algorithm for the 3-D protein structure prediction problem. Swarm and Evolutionary Computation, 2020, 55, 100677.	4.5	13
559	Improved Compact Cuckoo Search Algorithm Applied to Location of Drone Logistics Hub. Mathematics, 2020, 8, 333.	1.1	65
560	A smart adaptive particle swarm optimizationâ€”support vector machine: android botnet detection application. Journal of Supercomputing, 2020, 76, 9854-9881.	2.4	14
561	Domain decomposition of finite element models utilizing eight meta-heuristic algorithms: A comparative study. Mechanics Based Design of Structures and Machines, 2022, 50, 2616-2634.	3.4	6
562	Parallelized Swarm Intelligence Approach for Solving TSP and JSSP Problems. Algorithms, 2020, 13, 142.	1.2	5
563	An Enhanced Offline Printed Arabic OCR Model Based on Bio-Inspired Fuzzy Classifier. IEEE Access, 2020, 8, 117770-117781.	2.6	10

#	ARTICLE	IF	CITATIONS
564	Optimal Allocation of Static Var Compensators in Electric Power Systems. <i>Energies</i> , 2020, 13, 3219.	1.6	26
565	Evolutionary Algorithms Enhanced with Quadratic Coding and Sensing Search for Global Optimization. <i>Mathematical and Computational Applications</i> , 2020, 25, 7.	0.7	4
566	Evolutionary tabu search for flexible due-date satisfaction in fuzzy job shop scheduling. <i>Computers and Operations Research</i> , 2020, 119, 104931.	2.4	42
567	Coupling Soft Computing, Simulation and Optimization in Supply Chain Applications: Review and Taxonomy. <i>IEEE Access</i> , 2020, 8, 31710-31732.	2.6	16
568	Nature-inspired algorithms for feed-forward neural network classifiers: A survey of one decade of research. <i>Ain Shams Engineering Journal</i> , 2020, 11, 659-675.	3.5	55
569	Improved Grasshopper Algorithm Based on Gravity Search Operator and Pigeon Colony Landmark Operator. <i>IEEE Access</i> , 2020, 8, 22203-22224.	2.6	12
570	Chaos-based Vortex Search algorithm for solving inverse kinematics problem of serial robot manipulators with offset wrist. <i>Applied Soft Computing Journal</i> , 2020, 89, 106074.	4.1	27
571	Structural reliability assessment by salp swarm algorithm-based FORM. <i>Quality and Reliability Engineering International</i> , 2020, 36, 1224-1244.	1.4	21
572	Real-Time Selective Harmonic Mitigation Technique for Power Converters Based on the Exchange Market Algorithm. <i>Energies</i> , 2020, 13, 1659.	1.6	8
573	Quadratic Interpolation Based Simultaneous Heat Transfer Search Algorithm and Its Application to Chemical Dynamic System Optimization. <i>Processes</i> , 2020, 8, 478.	1.3	2
574	Simulation-Based EDAs for Stochastic Programming Problems. <i>Computation</i> , 2020, 8, 18.	1.0	2
575	A new method for optimizing a set of nonlinear parameters: application in total Hartree-Fock atomic energy calculations. <i>Theoretical Chemistry Accounts</i> , 2020, 139, 1.	0.5	5
576	The linear ordering problem with clusters: a new partial ranking. <i>Top</i> , 2020, 28, 646-671.	1.1	4
577	A modified Sine Cosine Algorithm with novel transition parameter and mutation operator for global optimization. <i>Expert Systems With Applications</i> , 2020, 154, 113395.	4.4	97
578	H2-SLAN: A hyper-heuristic based on stochastic learning automata network for obtaining, storing, and retrieving heuristic knowledge. <i>Expert Systems With Applications</i> , 2020, 153, 113426.	4.4	5
579	An Improved Grey Wolf Optimizer Based on Tracking and Seeking Modes to Solve Function Optimization Problems. <i>IEEE Access</i> , 2020, 8, 69861-69893.	2.6	37
580	A New Genetic Algorithm Encoding for Coalition Structure Generation Problems. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-13.	0.6	6
581	Efficient hybrid local search heuristics for solving the travelling thief problem. <i>Applied Soft Computing Journal</i> , 2020, 93, 106284.	4.1	14

#	ARTICLE	IF	CITATIONS
582	A systematic literature review of the SBSE research community in Spain. Progress in Artificial Intelligence, 2020, 9, 113-128.	1.5	3
583	A Migration-Based Cuttlefish Algorithm With Short-Term Memory for Optimization Problems. IEEE Access, 2020, 8, 70270-70292.	2.6	16
584	Cosine adapted modified whale optimization algorithm for control of switched reluctance motor. Computational Intelligence, 2022, 38, 978-1017.	2.1	15
585	A η -hill climbing optimizer for examination timetabling problem. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 653-666.	3.3	7
586	End-of-life product disassembly with priority-based extraction of dangerous parts. Journal of Intelligent Manufacturing, 2021, 32, 837-854.	4.4	6
587	Heuristic approaches for the family traveling salesman problem. International Transactions in Operational Research, 2021, 28, 262-295.	1.8	12
588	An optimisation method for a co-operative driving system at road junctions. Proceedings of the Institution of Civil Engineers: Transport, 2021, , 1-13.	0.3	3
589	Multi-objective optimization of a quadrotor flock performing target zone search. Swarm and Evolutionary Computation, 2021, 60, 100733.	4.5	10
590	Optimal LQI and PID Synthesis for Speed Control of Switched Reluctance Motor Using Metaheuristic Techniques. International Journal of Control, Automation and Systems, 2021, 19, 221-229.	1.6	9
591	An enhanced particle swarm optimization algorithm to solve probabilistic load flow problem in a micro-grid. Applied Intelligence, 2021, 51, 1645-1668.	3.3	8
592	OWMA: An improved self-regulatory woodpecker mating algorithm using opposition-based learning and allocation of local memory for solving optimization problems. Journal of Intelligent and Fuzzy Systems, 2021, 40, 919-946.	0.8	16
593	Application of differential evolution to multi-objective tuning of vibration spectrum analyzers based on microelectromechanical systems. Engineering Applications of Artificial Intelligence, 2021, 97, 104071.	4.3	5
594	New binary marine predators optimization algorithms for 0-1 knapsack problems. Computers and Industrial Engineering, 2021, 151, 106949.	3.4	29
595	Optimal feature selection-based biometric key management for identity management system: Emotion oriented facial biometric system. Journal of Visual Communication and Image Representation, 2021, 74, 103002.	1.7	2
596	A quay crane productivity predictive model for building accurate quay crane schedules. Supply Chain Forum, 2021, 22, 136-156.	2.7	7
597	Lightning-Based Lion Optimization Algorithm for Monitoring the Pipelines Using Linear Wireless Sensor Network. Wireless Personal Communications, 2021, 117, 2475-2494.	1.8	6
598	Beetle antenna strategy based grey wolf optimization. Expert Systems With Applications, 2021, 165, 113882.	4.4	43
599	Lights and shadows in Evolutionary Deep Learning: Taxonomy, critical methodological analysis, cases of study, learned lessons, recommendations and challenges. Information Fusion, 2021, 67, 161-194.	11.7	21

#	ARTICLE	IF	CITATIONS
600	Progressive disaster evacuation in cloud datacenter network. Concurrency Computation Practice and Experience, 2021, 33, e6060.	1.4	0
601	Towards an algorithmic synthesis of thermofluid systems. Optimization and Engineering, 2021, 22, 587-642.	1.3	1
602	Multiobjective optimization of area- ϵ -point heat conduction structure using binary quantum-behaved <scp>PSO</scp> and Tchebycheff decomposition method. Canadian Journal of Chemical Engineering, 2021, 99, 1211-1227.	0.9	4
604	Comparison of Metaheuristics and Exact Method for the Dynamic Line Rebalancing Problem. IFIP Advances in Information and Communication Technology, 2021, , 435-443.	0.5	0
605	Energy-efficient green ant colony optimization for path planning in dynamic 3D environments. Soft Computing, 2021, 25, 4749-4769.	2.1	26
606	Multi-objective grasshopper optimization algorithm based on multi-group and co-evolution. Mathematical Biosciences and Engineering, 2021, 18, 2527-2561.	1.0	12
607	Hybridizing Beam Search with Tabu Search for the Irregular Packing Problem. Mathematical Problems in Engineering, 2021, 2021, 1-14.	0.6	11
608	Minimising Total Costs of a Two-Echelon Multi-Depot Capacitated Vehicle Routing Problem (2E-MD-CVRP) that Describes the Utilisation of the Amsterdam City Canal Network for Last Mile Parcel Delivery. IFIP Advances in Information and Communication Technology, 2021, , 603-612.	0.5	0
609	A Comparative Study on Multi-objective Evolutionary Algorithms for Tri-objective Mean-Risk-Cardinality Portfolio Optimization Problems. Modeling and Optimization in Science and Technologies, 2021, , 277-303.	0.7	3
610	REDUCED-IMPACT LOGGING BY ALLOCATING LOG-DECKS USING MULTI-OBJECTIVE EVOLUTIONARY ALGORITHM IN WESTERN AMAZON. Revista Arvore, 0, 45, .	0.5	1
611	Physics based meta heuristics in manufacturing. Materials Today: Proceedings, 2021, 39, 805-811.	0.9	1
612	Spectral efficiency (SE) enhancement of NOMA system through iterative power assignment. Wireless Networks, 2021, 27, 1309-1317.	2.0	11
613	A Population-Based Framework for Solving the Job Shop Scheduling Problem. Lecture Notes in Computer Science, 2021, , 347-359.	1.0	0
614	Optimization of the Input/Output Linearization Feedback Controller with Simulated Annealing and Designing of a Novel Stator Flux-Based Model Reference Adaptive System Speed Estimator with Least Mean Square Adaptation Mechanism. Lecture Notes on Data Engineering and Communications Technologies, 2021, , 755-769.	0.5	0
615	A Framework to Assess the Reliability of a Multipurpose Reservoir under Uncertainty in Land Use. Water (Switzerland), 2021, 13, 287.	1.2	3
616	Comparative Study on Single and Multiple Chaotic Maps Incorporated Grey Wolf Optimization Algorithms. IEEE Access, 2021, 9, 77416-77437.	2.6	39
617	A mixed-integer nonlinear optimization model for integrated flight scheduling, fleet assignment, and ticket pricing in competitive market. Journal of Revenue and Pricing Management, 2021, 20, 596-607.	0.7	4
618	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.	2.6	16

#	ARTICLE	IF	CITATIONS
619	The Power of a Collective: Team of Agents Solving Instances of the Flow Shop and Job Shop Problems. Lecture Notes in Computer Science, 2021, , 406-419.	1.0	1
620	A Hybrid Evolutionary Algorithm for the Clique Partitioning Problem. IEEE Transactions on Cybernetics, 2022, 52, 9391-9403.	6.2	7
621	Node-Level Error Control Strategies for Prolonging the Lifetime of Wireless Sensor Networks. IEEE Sensors Journal, 2021, 21, 15386-15397.	2.4	4
622	Weighted proximity search. Journal of Heuristics, 2021, 27, 459-496.	1.1	5
623	Problem-Solving. , 2021, , 103-137.		0
624	Sequence-Based Selection Hyper-Heuristic Model via MAP-Elites. IEEE Access, 2021, 9, 116500-116527.	2.6	6
625	A Modified Sine Cosine Algorithm With Teacher Supervision Learning for Global Optimization. IEEE Access, 2021, 9, 17744-17766.	2.6	12
626	Machine Learning Perspective in Cancer Research. Advances in Medical Diagnosis, Treatment, and Care, 2021, , 142-163.	0.1	2
627	SChoA: a newly fusion of sine and cosine with chimp optimization algorithm for HLS of datapaths in digital filters and engineering applications. Engineering With Computers, 2022, 38, 975-1003.	3.5	40
628	Modeling Augmented Humanity. , 2021, , 1-38.		2
629	An experimental comparison of metaheuristic frameworks for multi-objective optimization. Expert Systems, 2023, 40, e12672.	2.9	1
630	Pipeline surveillance along the international border using hybrid optimization algorithm. Journal of Ambient Intelligence and Humanized Computing, 0, , 1.	3.3	1
631	Artificial lizard search optimization (ALSO): a novel nature-inspired meta-heuristic algorithm. Soft Computing, 2021, 25, 6179-6201.	2.1	22
632	A Fuzzy Gain-Based Dynamic Ant Colony Optimization for Path Planning in Dynamic Environments. Symmetry, 2021, 13, 280.	1.1	33
633	Deadline Aware Task Submission and Dynamic Virtual Machine Creation Technique in Cloud Computing. , 2021, , .		0
634	Optimization framework for DFG-based automated process discovery approaches. Software and Systems Modeling, 2021, 20, 1245-1270.	2.2	2
635	Advanced Metaheuristic Algorithms on Solving Multimodal Functions: Experimental Analyses and Performance Evaluations. Archives of Computational Methods in Engineering, 2021, 28, 4861-4873.	6.0	12
636	The family traveling salesman problem with incompatibility constraints. Networks, 2022, 79, 47-82.	1.6	7

#	ARTICLE	IF	CITATIONS
637	Particle Swarm Optimization Combined with Inertia-Free Velocity and Direction Search. Electronics (Switzerland), 2021, 10, 597.	1.8	7
638	Particle swarm optimization with an enhanced learning strategy and crossover operator. Knowledge-Based Systems, 2021, 215, 106768.	4.0	34
640	A data-driven approach to predicting the most valuable player in a game. Computational and Mathematical Methods, 2021, 3, e1155.	0.3	4
641	An improved Harris Hawk algorithm based on Golden Sine mechanism. , 2021, , .		1
643	An evolutionary algorithm for large margin classification. Soft Computing, 2021, 25, 7593-7607.	2.1	0
644	Search Patterns Based on Trajectories Extracted from the Response of Second-Order Systems. Applied Sciences (Switzerland), 2021, 11, 3430.	1.3	3
645	Improving of 5G Wireless Networks using Optimization Method. , 2021, , .		0
646	Industry 4.0 and demand forecasting of the energy supply chain: A literature review. Computers and Industrial Engineering, 2021, 154, 107128.	3.4	39
647	Development and validation of a new instrument to measure social pain. Scientific Reports, 2021, 11, 8283.	1.6	3
648	A performance study of meta-heuristic approaches for quadratic assignment problem. Concurrency Computation Practice and Experience, 2021, 33, e6321.	1.4	9
649	An interactive wandering Wolf Pack algorithm for solving High-dimensional complex functions. , 2021, , .		0
650	JayaL: A Novel Jaya Algorithm Based on Elite Local Search for Optimization Problems. Arabian Journal for Science and Engineering, 2021, 46, 8925-8952.	1.7	3
651	Island-Based Harmony Search Algorithm for Non-convex Economic Load Dispatch Problems. Journal of Electrical Engineering and Technology, 2021, 16, 1985-2015.	1.2	12
652	Hybrid Binary Dragonfly Algorithm with Simulated Annealing for Feature Selection. SN Computer Science, 2021, 2, 295.	2.3	27
653	Double deck elevator group control systems using evolutionary algorithms: Interfloor and lunchpeak traffic analysis. Computers and Industrial Engineering, 2021, 155, 107190.	3.4	13
654	An optimized initialization for LDPC decoding over GF(q) in impulsive noise environments. PLoS ONE, 2021, 16, e0250930.	1.1	0
655	Assessing Market Risk in BRICS and Oil Markets: An Application of Markov Switching and Vine Copula. International Journal of Financial Studies, 2021, 9, 30.	1.1	8
656	An effective NIDS framework based on a comprehensive survey of feature optimization and classification techniques. Neural Computing and Applications, 2023, 35, 4993-5013.	3.2	4

#	ARTICLE	IF	CITATIONS
657	Hybridizing sine-cosine algorithm with harmony search strategy for optimization design problems. <i>Soft Computing</i> , 2021, 25, 11053-11075.	2.1	15
658	Tournament Topology Particle Swarm Optimization. , 2021, , .		1
660	A comprehensive survey of sine cosine algorithm: variants and applications. <i>Artificial Intelligence Review</i> , 2021, 54, 5469-5540.	9.7	83
661	A survey on QoS routing protocols in Vehicular Ad Hoc Network (VANET). <i>Telecommunication Systems</i> , 2021, 78, 117-153.	1.6	29
663	Simplified Phasmatodea population evolution algorithm for optimization. <i>Complex & Intelligent Systems</i> , 2022, 8, 2749-2767.	4.0	36
664	Memetic Teaching-Learning-Based Optimization algorithms for large graph coloring problems. <i>Engineering Applications of Artificial Intelligence</i> , 2021, 102, 104282.	4.3	19
665	An Improved Whale Optimization Algorithm Based on Nonlinear Function and Local Search. , 2021, , .		0
666	A partition cum unification based genetic- firefly algorithm for single objective optimization. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2021, 46, 1.	0.8	21
667	Methods for Improving the Efficiency of Swarm Optimization Algorithms. A Survey. <i>Automation and Remote Control</i> , 2021, 82, 935-967.	0.4	4
669	Hazelnut tree search algorithm: a nature-inspired method for solving numerical and engineering problems. <i>Engineering With Computers</i> , 2022, 38, 3191-3215.	3.5	6
670	LSTM-assisted evolutionary self-expressive subspace clustering. <i>International Journal of Machine Learning and Cybernetics</i> , 2021, 12, 2777-2793.	2.3	0
671	A hybrid flower pollination with \sin^2 -hill climbing algorithm for global optimization. <i>Journal of King Saud University - Computer and Information Sciences</i> , 2022, 34, 4821-4835.	2.7	8
672	Network-Aware Locality Scheduling for Distributed Data Operators in Data Centers. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2021, 32, 1494-1510.	4.0	29
673	Combinatorial Optimization Problems and Metaheuristics: Review, Challenges, Design, and Development. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6449.	1.3	30
674	Optimal product line design using Tabu Search. <i>Journal of the Operational Research Society</i> , 2022, 73, 2104-2115.	2.1	4
675	Hybrid Modified Whale Optimisation Algorithm Simulated Annealing Technique for Control of SRM. <i>International Journal of Applied Metaheuristic Computing</i> , 2021, 12, 123-147.	0.5	1
676	A selection hyperheuristic guided by Thompson sampling for numerical optimization. , 2021, , .		3
677	Child Drawing Development Optimization Algorithm Based on Child's Cognitive Development. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 1337-1351.	1.7	23

#	ARTICLE	IF	CITATIONS
678	Modified Flower Pollination Algorithm for Global Optimization. Mathematics, 2021, 9, 1661.	1.1	22
679	Determination of storage area and hub via the enhanced elevator kinematics optimization method. Journal of Industrial and Production Engineering, 0, , 1-12.	2.1	2
680	A curvature-segmentation-based minimum time algorithm for autonomous vehicle velocity planning. Information Sciences, 2021, 565, 248-261.	4.0	3
681	Analysis of a local search heuristic for the generalized assignment problem with resource-independent task profits and identical resource capacity. Engineering Optimization, 2022, 54, 1426-1440.	1.5	3
682	Recolección de Residuos Tecnológicos aplicando Metaheurísticas. Informes Científicos Y Técnicos (Universidad Nacional De La Patagonia Austral), 2021, 13, 54-76.	0.1	0
683	Adaptive cuckoo algorithm with multiple search strategies. Applied Soft Computing Journal, 2021, 106, 107181.	4.1	22
684	An improved elephant herding optimization for global optimization problems. Engineering With Computers, 2022, 38, 3489-3521.	3.5	9
685	A Tutorial On the design, experimentation and application of metaheuristic algorithms to real-World optimization problems. Swarm and Evolutionary Computation, 2021, 64, 100888.	4.5	154
687	Mechanical sizing of a composite launcher structure by hybridizing a genetic algorithm with a local search method. Composites Part C: Open Access, 2021, 5, 100125.	1.5	5
688	Metaheuristic-based optimization applied to GAPID controller. , 2021, , .		1
689	Optical solitons generated by a symbiotic organism search algorithm. Journal of Optics (United Kingdom), 2021, 10, 107408.	1.0	0
690	Adaptive chaotic spherical evolution algorithm. Memetic Computing, 2021, 13, 383-411.	2.7	22
691	Performance Investigation of Parallel Immune Plasma Algorithm. , 2021, , .		2
692	African vultures optimization algorithm: A new nature-inspired metaheuristic algorithm for global optimization problems. Computers and Industrial Engineering, 2021, 158, 107408.	3.4	602
693	A Learning-Based Hybrid Framework for Dynamic Balancing of Exploration-Exploitation: Combining Regression Analysis and Metaheuristics. Mathematics, 2021, 9, 1976.	1.1	3
694	A novel meta-heuristic algorithm for solving numerical optimization problems: Ali Baba and the forty thieves. Neural Computing and Applications, 2022, 34, 409-455.	3.2	64
695	Accelerated grey wolf optimization for global optimization problems. Technological Forecasting and Social Change, 2021, 169, 120824.	6.2	13
696	Multiple global optima location using differential evolution, clustering, and local search. Applied Soft Computing Journal, 2021, 108, 107448.	4.1	7

#	ARTICLE	IF	CITATIONS
697	Iterated multilevel simulated annealing for large-scale graph conductance minimization. Information Sciences, 2021, 572, 182-199.	4.0	3
698	An efficient data evacuation strategy using multi-objective reinforcement learning. Applied Intelligence, 2022, 52, 7498-7512.	3.3	2
699	Binarization of the Swallow Swarm Optimization for Feature Selection. Programming and Computer Software, 2021, 47, 374-388.	0.5	4
700	Metaheuristics for scheduling of heterogeneous tasks in cloud computing environments: Analysis, performance evaluation, and future directions. Simulation Modelling Practice and Theory, 2021, 111, 102353.	2.2	42
701	A robust multiobjective Harrisâ€™ Hawks Optimization algorithm for the binary classification problem. Knowledge-Based Systems, 2021, 227, 107219.	4.0	26
702	Approximation Method for Optimization Problems in Gate-Model Quantum Computers. Chaos, Solitons and Fractals: X, 2021, , 100066.	1.0	1
703	A decomposition based metaheuristic approach for solving rapid needs assessment routing problem. Computers and Industrial Engineering, 2021, 159, 107528.	3.4	0
704	A PID Tuning Strategy Based on a Variable Weight Beetle Antennae Search Algorithm for Hydraulic Systems. Advances in Materials Science and Engineering, 2021, 2021, 1-19.	1.0	3
705	Ant Colony Approach for Optimizing a Multi-stage Closed-Loop Supply Chain with a Fixed Transportation Charge. Journal of Advanced Manufacturing Systems, 2022, 21, 473-496.	0.4	3
706	Hardware implementation of metaheuristics through LabVIEW FPGA. Applied Soft Computing Journal, 2021, 113, 107908.	4.1	12
707	Designing Pareto optimal electricity retail rates when utility customers are prosumers. Energy Policy, 2021, 156, 112339.	4.2	5
708	Modeling and combined application of MOEA/D and TOPSIS to optimize WEDM performances of A286 superalloy. Soft Computing, 2021, 25, 14697-14713.	2.1	8
709	Swarm intelligence for next-generation networks: Recent advances and applications. Journal of Network and Computer Applications, 2021, 191, 103141.	5.8	32
710	Optimal cross-trained worker assignment for a hybrid seru production system to minimize makespan and workload imbalance. Computers and Industrial Engineering, 2021, 160, 107552.	3.4	17
711	Global optimization of a vapor compression refrigeration system with a self-adaptive differential evolution algorithm. Applied Thermal Engineering, 2021, 197, 117427.	3.0	12
712	Fog computing based information classification in sensor cloud-agent approach. Expert Systems With Applications, 2021, 182, 115232.	4.4	6
713	A kinematics-aware part clustering approach for part integration using additive manufacturing. Robotics and Computer-Integrated Manufacturing, 2021, 72, 102171.	6.1	6
714	Large-scale bound constrained optimization based on hybrid teaching learning optimization algorithm. AEJ - Alexandria Engineering Journal, 2021, 60, 6013-6033.	3.4	10

#	ARTICLE	IF	CITATIONS
715	Computational resource and cost prediction service for scientific workflows in federated clouds. Future Generation Computer Systems, 2021, 125, 844-858.	4.9	14
716	A Nash bargaining solution for a multi period competitive portfolio optimization problem: Co-evolutionary approach. Expert Systems With Applications, 2021, 184, 115509.	4.4	3
717	Honey Badger Algorithm: New metaheuristic algorithm for solving optimization problems. Mathematics and Computers in Simulation, 2022, 192, 84-110.	2.4	516
718	Efficient oscillation detection for verification of mechatronic closed-loop systems using search-based testing. Mechanical Systems and Signal Processing, 2022, 163, 108112.	4.4	3
719	Pseudo-feasible solutions in evolutionary bilevel optimization: Test problems and performance assessment. Applied Mathematics and Computation, 2022, 412, 126577.	1.4	2
720	Cultural transmission based multi-objective evolution strategy for evolutionary multitasking. Information Sciences, 2022, 582, 215-242.	4.0	18
721	Silhouetting the Cost-Time Front: Multi-objective Resource Optimization in Business Processes. Lecture Notes in Business Information Processing, 2021, , 92-108.	0.8	5
722	A Systematic Review of Applications of Machine Learning in Cancer Prediction and Diagnosis. Archives of Computational Methods in Engineering, 2021, 28, 4875-4896.	6.0	24
724	Improving convergence in swarm algorithms by controlling range of random movement. Natural Computing, 2021, 20, 513-560.	1.8	2
725	An improved hybrid Aquila Optimizer and Harris Hawks Optimization for global optimization. Mathematical Biosciences and Engineering, 2021, 18, 7076-7109.	1.0	29
726	A Comparative Study of Stochastic Optimizers for Fitting Neuron Models. Application to the Cerebellar Granule Cell. Informatica, 2021, , 477-498.	1.5	4
728	Metaheuristic Optimization for Automated Business Process Discovery. Lecture Notes in Computer Science, 2019, , 268-285.	1.0	5
730	InterCriteria Analysis of Parameters Relations in Fermentation Processes Models. Lecture Notes in Computer Science, 2015, , 171-181.	1.0	8
731	InterCriteria Analysis Approach to Parameter Identification of a Fermentation Process Model. Advances in Intelligent Systems and Computing, 2016, , 385-397.	0.5	23
733	A SimILS-Based Methodology for a Portfolio Optimization Problem with Stochastic Returns. Lecture Notes in Business Information Processing, 2016, , 3-11.	0.8	1
734	InterCriteria Analysis of Relations Between Model Parameters Estimates and ACO Performance. Studies in Computational Intelligence, 2017, , 175-186.	0.7	1
735	A Methodology for Optimizing the Parameters in a Process of Machining a Workpiece Using Multi-objective Particle Swarm Optimization. Management and Industrial Engineering, 2018, , 129-151.	0.3	1
736	Whale Swarm Algorithm for Function Optimization. Lecture Notes in Computer Science, 2017, , 624-639.	1.0	21

#	ARTICLE	IF	CITATIONS
737	Parallel Local Search. , 2018, , 381-417.		7
738	A Novel Hybrid GWO-FPA Algorithm for Optimization Applications. Smart Innovation, Systems and Technologies, 2018, , 274-281.	0.5	7
740	ACO Based Model Checking Extended by Smell-Like Pheromone with Hop Counts. Advances in Intelligent Systems and Computing, 2017, , 52-63.	0.5	1
742	Plant Genetics-Inspired Evolutionary Optimization: A Descriptive Tutorial. Springer Tracts in Nature-inspired Computing, 2020, , 53-77.	1.2	4
743	Tracing the Points in Search Space in Plant Biology Genetics Algorithm Optimization. Springer Tracts in Nature-inspired Computing, 2020, , 180-195.	1.2	5
744	Mutation-Based Chaotic Gravitational Search Algorithm. Advances in Intelligent Systems and Computing, 2020, , 117-131.	0.5	1
745	A Novel U-Shaped Transfer Function for Binary Particle Swarm Optimisation. Advances in Intelligent Systems and Computing, 2020, , 241-259.	0.5	22
746	A Hybrid Cuckoo Search Algorithm for Cost Optimization of Mechanically Stabilized Earth Walls. Springer Tracts in Nature-inspired Computing, 2021, , 277-306.	1.2	2
747	Augmented whale feature selection for IoT attacks: Structure, analysis and applications. Future Generation Computer Systems, 2020, 112, 18-40.	4.9	52
748	A point-based redesign algorithm for designing geometrically complex surfaces. A case study: Miralles's croissant paradox. IET Image Processing, 2020, 14, 2948-2956.	1.4	2
749	An Improved Slime Mold Algorithm and its Application for Optimal Operation of Cascade Hydropower Stations. IEEE Access, 2020, 8, 226754-226772.	2.6	45
750	A Sine Cosine Algorithm Enhanced Spherical Evolution for Continuous Optimization Problems. , 2020, , .		3
751	An improved differential evolution algorithm with a restart technique to solve systems of nonlinear equations. International Journal of Optimization and Control: Theories and Applications, 2020, 10, 118-136.	0.8	4
752	Design of an optimal multilayer electromagnetic absorber through Spiral Algorithm. Ingenieria Y Universidad, 2015, 20, .	0.5	3
753	Towards dynamic algorithm selection for numerical black-box optimization. , 2020, , .		8
754	An Optimization Algorithm for Solving Systems of Singular Boundary Value Problems. Applied Mathematics and Information Sciences, 2014, 8, 2809-2821.	0.7	88
755	S�ntesis �ptima de un mecanismo plano para seguimiento de trayectoria utilizando evoluci�n diferencial. Research in Computing Science, 2014, 72, 85-98.	0.1	3
756	Simplified Modeling and Solving of Logistics Optimization Problems. International Journal of Transportation, 2014, 2, 33-52.	0.4	1

#	ARTICLE	IF	CITATIONS
757	Planejamento da logística de suprimento de plataformas Offshore por meio de um modelo matemático 2L-CVRP com frota heterogênea e equilíbrio náutico. Transportes, 2015, 23, 67.	0.3	3
758	Genetic Algorithm and Firefly Algorithm in a Hybrid Approach for Breast Cancer Diagnosis. International Journal of Computer Trends and Technology, 2016, 32, 62-68.	0.1	12
759	Performance Comparison of Hybrid Electromagnetism-Like Mechanism Algorithms with Descent Method. Journal of Artificial Intelligence and Soft Computing Research, 2015, 5, 271-282.	3.5	18
760	InterCriteria Analysis of a Model Parameters Identification using Genetic Algorithm. , 0, , .		17
761	Bifurcation analysis by particle swarm optimization. Nonlinear Theory and Its Applications IEICE, 2020, 11, 391-408.	0.4	9
762	Large-Scale Kinetic Parameters Estimation of Metabolic Model of Escherichia Coli. International Journal of Machine Learning and Computing, 2019, 9, 160-167.	0.8	9
764	Artificial Coronary Circulation System; A new bio-inspired metaheuristic algorithm. Scientia Iranica, 2019, .	0.3	4
765	GF-CLUST: A NATURE-INSPIRED ALGORITHM FOR AUTOMATIC TEXT CLUSTERING. Journal of Information and Communication Technology, 2016, 15, 57-81.	0.3	7
766	A Survey of Genetic Programming and Its Applications. KSII Transactions on Internet and Information Systems, 2019, 13, .	0.7	15
767	System identification by using migrating birds optimization algorithm: a comparative performance analysis. Turkish Journal of Electrical Engineering and Computer Sciences, 2016, 24, 1879-1900.	0.9	6
768	Comparison of Effects of Different Learning Methods on Estimation of Distribution Algorithms. Journal of Software Engineering, 2015, 9, 451-468.	0.2	2
769	Swarm Intelligence for Biometric Feature Optimization. Advances in Computational Intelligence and Robotics Book Series, 2015, , 147-181.	0.4	6
770	Novel Nature-Derived Intelligent Algorithms and Their Applications in Antenna Optimization. , 2016, , 296-339.		1
771	A Survey on the Applications of Swarm Intelligence to Software Verification. Advances in Computational Intelligence and Robotics Book Series, 2020, , 376-398.	0.4	3
772	Cost-Effective Tabu Search Algorithm for Solving the Controller Placement Problem in SDN. Advances in Computer and Electrical Engineering Book Series, 2020, , 109-130.	0.2	1
773	A Meta-Heuristic Model for Data Classification Using Target Optimization. International Journal of Applied Metaheuristic Computing, 2017, 8, 24-36.	0.5	2
774	Design and evaluation of a new exoskeleton for gait rehabilitation. Mechanical Sciences, 2017, 8, 307-321.	0.5	39
775	Optimization of Reservoir Operation using a Bioinspired Metaheuristic Based on the COVID-19 Propagation Model. Journal of Numerical Methods in Civil Engineering, 2020, 5, 15-28.	0.3	8

#	ARTICLE	IF	CITATIONS
777	Picking location metrics for order batching on a unidirectional cyclical picking line. ORION, 2019, 35, 161-186.	0.3	2
778	An Industry 4.0 oriented tool for supporting dynamic selection of dispatching rules based on Kano model satisfaction scheduling. FME Transactions, 2019, 47, 757-764.	0.7	10
779	An Improved Beetle Antennae Search Algorithm Based on the Elite Selection Mechanism and the Neighbor Mobility Strategy for Global Optimization Problems. IEEE Access, 2021, 9, 137524-137542.	2.6	3
780	An improved sine-cosine algorithm with dynamic selection pressure. Journal of Computational Science, 2021, 55, 101477.	1.5	3
781	A hybrid adaptive large neighborhood search algorithm for the large-scale heterogeneous container loading problem. Expert Systems With Applications, 2022, 189, 115909.	4.4	14
782	The Archerfish Hunting Optimizer: A Novel Metaheuristic Algorithm for Global Optimization. Arabian Journal for Science and Engineering, 2022, 47, 2513-2553.	1.7	30
783	An ensemble approach to meta-heuristic algorithms: Comparative analysis and its applications. Computers and Industrial Engineering, 2021, 162, 107739.	3.4	21
784	Multi-objective evolutionary optimization based on online perceiving Pareto front characteristics. Information Sciences, 2021, 581, 912-931.	4.0	11
785	A dual opposition-based learning for differential evolution with protective mechanism for engineering optimization problems. Applied Soft Computing Journal, 2021, 113, 107942.	4.1	22
786	Molecular Engineering of Electrically Conducting Polymers Using Artificial Intelligence Methods. , 2014, , 289-314.		0
787	Tutorial Sobre o Uso de Técnicas para Controle de Parâmetros em Algoritmos de Inteligência de Enxame e Computação Evolutiva. Revista De Informatica Teorica E Aplicada, 2014, 21, 90.	0.2	1
788	A New Efficient Meta-Heuristic Optimization Algorithm Inspired by Wild Dog Packs. International Journal of Hybrid Information Technology, 2014, 7, 83-100.	0.6	2
789	Aplicação de metaheurísticas na abordagem do problema de otimização do ciclo de montagem de uma insersora automática de componentes. Revista Brasileira De Computação Aplicada, 2014, 6, .	0.1	0
791	How to Search Optimal Solutions in Big Spaces with Networks of Bio-Inspired Processors. Lecture Notes in Computer Science, 2015, , 29-39.	1.0	0
792	Hybrid Swarm Intelligence. Advances in Information Quality and Management, 2014, , 175-186.	0.3	7
794	Scheduling Models and Methods for Efficient and Reliable Operations. , 2015, , 155-224.		0
795	Dispositivo Óptico para transmissão de fuerza en un efector final. Research in Computing Science, 2015, 91, 117-130.	0.1	2
796	Multi-Objective Optimization of Two-Stage Thermo-Electric Cooler Using Differential Evolution. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2016, , 139-170.	0.5	1

#	ARTICLE	IF	CITATIONS
797	Firefly Algorithm for Adaptive Emergency Evacuation Center Management. International Journal of Advanced Computer Science and Applications, 2016, 7, .	0.5	1
798	A Memetic Algorithm Applied to the Optimal Design of a Planar Mechanism for Trajectory Tracking. Polibits, 0, 53, 83-90.	0.0	2
799	A Heuristic Approach to Assist Side Channel Analysis of the Data Encryption Standard. Lecture Notes in Computer Science, 2016, , 355-373.	1.0	2
800	Adaptive Cuckoo Search Based on Evaluation and Control of Search State. IEEJ Transactions on Electronics, Information and Systems, 2016, 136, 1596-1609.	0.1	0
801	Un enfoque computacional evolutivo para problemas de competencia de Stackelberg dinámicos. Enfoque, 2016, 7, 10-24.	0.3	0
802	Geometric Optimization of Thermoelectric Coolers. , 2016, , 1-21.		0
803	Development of a Co-evolutionary Radial Basis Function Neural Classifier by a k-Random Opponents Topology. Series in Bioengineering, 2017, , 207-217.	0.3	0
804	Constrained Wireless Network Planning. Communications in Computer and Information Science, 2017, , 137-152.	0.4	1
805	An Comparative Study of Metaheuristic Algorithms for the Optimum Design of Structures. Journal of Fisheries and Marine Sciences Education, 2017, 29, 544-551.	0.0	0
806	Random adjustment - based Chaotic Metaheuristic algorithms for image contrast enhancement. Jurnal Ilmu Komputer Dan Informasi, 2017, 10, 67.	0.3	1
807	Dynamic Vehicle Routing Problem: Solution by Ant Colony Optimization with Hybrid Immigrant Schemes. International Journal of Intelligent Systems and Applications, 2017, 9, 52-60.	0.9	1
809	Finding Robust Solutions to Stable Marriage. , 2017, , .		3
811	NMEP based Gaussian Mutation Process on Optimizing Fitness Function for MOEED. International Journal on Advanced Science, Engineering and Information Technology, 2017, 7, 1840.	0.2	0
812	Search-Based Temporal Testing in an Embedded Multicore Platform. Lecture Notes in Computer Science, 2018, , 794-809.	1.0	1
814	Introduction to Evolutionary Single-Objective Optimisation. Studies in Computational Intelligence, 2019, , 3-14.	0.7	6
815	Fault Detection Using Kernel Computational Intelligence Algorithms. , 2019, , 263-281.		2
816	A Survey on Metaheuristic Approaches and Its Evaluation for Load Balancing in Cloud Computing. Communications in Computer and Information Science, 2019, , 585-599.	0.4	5
817	Performance Evaluation of Sine-Cosine Optimization Versus Particle Swarm Optimization for Global Sequence Alignment Problem. Studies in Computational Intelligence, 2019, , 375-391.	0.7	1

#	ARTICLE	IF	CITATIONS
818	Evolutionary Computation. Studies in Big Data, 2019, , 3-20.	0.8	0
819	Application of Bacterial Foraging Algorithm in The Allocation of DSTATCOM in 50-bus Canteen Feeder. ELEKTRIKA- Journal of Electrical Engineering, 2019, 18, 26-35.	0.2	3
821	KÄ±sÄ±tlÄ± optimizasyon problemlerinin ÅSÅ±zÄ±mÄ± iÅsin atom arama optimizasyon algoritmasÄ±. DÄœMF MÄ¼hendislik Dergisi, 2019, 10, 841-851.	0.2	1
822	Fuzzy Logic Based Optimization Algorithm. Studies in Computational Intelligence, 2020, , 135-181.	0.7	2
823	A Self-adaptive Mechanism Embedded Gravitational Search Algorithm. , 2019, , .		1
824	Optimal Value Capacitor Selection and Power Control Using Continuous Time Ant Colony Algorithm in Nonlinear Loads. Uluslararası Muhendislik Arastirma Ve Gelistirme Dergisi, 0, , 780-792.	0.1	1
826	Design of the Input and Output Filter for a Matrix Converter Using Evolutionary Techniques. Applied Sciences (Switzerland), 2020, 10, 3524.	1.3	0
827	An enhanced differential evolution algorithm with adaptation of switching crossover strategy for continuous optimization. Foundations of Computing and Decision Sciences, 2020, 45, 97-124.	0.5	1
828	An Adaptive Differential Evolution Algorithm with Restart for Solving Continuous Optimization Problems. WSEAS Transactions on Systems and Control, 2020, 15, 254-269.	0.5	2
829	Chaotic Butterfly Optimization Algorithm Applied to Multi-objective Economic and Emission Dispatch in Modern Power System. Recent Advances in Computer Science and Communications, 2022, 15, 170-185.	0.5	4
830	Towards a Framework for Performance Testing of Metaheuristics. Advances in Intelligent Systems and Computing, 2020, , 13-19.	0.5	0
831	Optimization in Decision Support Systems. , 2020, , 39-57.		0
832	Fish-Inspired Task Allocation Algorithm for Multiple Unmanned Aerial Vehicles in Search and Rescue Missions. Remote Sensing, 2021, 13, 27.	1.8	23
833	Playing Mega Man II with Neuroevolution. , 2020, , .		1
834	Hybridization of the Differential Evolution Algorithm for Continuous Multi-objective Optimization. Studies in Computational Intelligence, 2021, , 183-198.	0.7	0
835	Multilevel Image Segmentation using Hybrid Grasshopper Optimization and k-means Algorithm. , 2020, , .		2
836	Time-limited search and optimization of the spatial positioning of agents in virtual environments. , 2020, , .		0
837	Tools for Resource Optimisation in Cognitive Radio Networks. , 2022, , 65-84.		0

#	ARTICLE	IF	CITATIONS
838	Job Shop Scheduling Approach for Managing Tasksâ€™ Allocation Time in Factory. , 2020, , .		0
839	Joint Opposite Selection (JOS): A premiere joint of selective leading opposition and dynamic opposite enhanced Harrisâ€™ hawks optimization for solving single-objective problems. Expert Systems With Applications, 2022, 188, 116001.	4.4	21
840	Solving Job Shop Scheduling with Parallel Population-Based Optimization and Apache Spark. Smart Innovation, Systems and Technologies, 2020, , 3-13.	0.5	0
841	A Modified Particle Swarm Optimization for Autonomous UAV Path Planning in 3D Environment. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2020, , 180-191.	0.2	4
842	Overview of Problem Formulations and Optimization Algorithms in the Presence of Uncertainty. Springer Optimization and Its Applications, 2020, , 147-183.	0.6	2
843	On the Multiple Possible Adaptive Mechanisms of the Continuous Ant Colony Optimization. Lecture Notes in Computer Science, 2020, , 166-178.	1.0	0
844	Optimization in probabilistic domains: an engineering approach. , 2020, , 391-414.		0
845	General Review of Calibration Process of Nonlinear Muskingum Model and Its Optimization by Up-to-Date Methods. Advances in Environmental Engineering and Green Technologies Book Series, 2020, , 61-83.	0.3	1
846	Numerical Comparison of the Adjoint Problem-based and Derivative-free Algorithms on the Coefficient Identification Problem for a Production-Loss Model. , 2021, , .		1
847	A comparison of different soft-computing techniques for the evaluation of handball goalkeepers. Soft Computing, 2022, 26, 3045-3058.	2.1	2
848	GPU Accelerated Genetic Algorithm with Sequence-based Clustering for Ordered Problems. , 2020, , .		3
849	Adversarial Machine Learning in Text: A Case Study of Phishing Email Detection with RCNN Model. , 2021, , 61-83.		2
850	Swarm Intelligence for Biometric Feature Optimization. , 0, , 830-863.		0
851	Numerical study of the coefficient identification algorithm based on ensembles of adjoint problem solutions for a production-destruction model. International Journal of Nonlinear Sciences and Numerical Simulation, 2021, 22, 581-592.	0.4	4
852	A Metaheuristic Methodology Based on Fuzzy Logic Principles. Intelligent Systems Reference Library, 2021, , 39-89.	1.0	0
853	Different Meta-Heuristic Optimization Techniques and Their Application in Solar Photovoltaic Field. Advances in Environmental Engineering and Green Technologies Book Series, 2022, , 1-37.	0.3	0
854	A simheuristic algorithm for the portfolio optimization problem with random returns and noisy covariances. Computers and Operations Research, 2022, 139, 105631.	2.4	11
855	Review on Nature-Inspired Algorithms. SN Operations Research Forum, 2021, 2, 1.	0.6	19

#	ARTICLE	IF	CITATIONS
856	Design of the color classification system for sunglass lenses using PCA-PSO-ELM. Measurement: Journal of the International Measurement Confederation, 2022, 189, 110498.	2.5	17
857	A Framework for disaster management using fuzzy bat clustering in fog computing. International Journal of Systems Assurance Engineering and Management, 0, , 1.	1.5	0
858	Kinodynamic planning for an energy-efficient autonomous ornithopter. Computers and Industrial Engineering, 2021, 163, 107814.	3.4	2
859	A kinematics-aware decomposition approach for complex CAD parts in additive manufacturing. Additive Manufacturing, 2021, 50, 102493.	1.7	2
860	Multi-Objective Optimization of Home Healthcare with Working-Time Balancing and Care Continuity. Sustainability, 2021, 13, 12431.	1.6	35
861	Bio-Inspired Computing-A Dive into Critical Problems, Potential Architecture and Techniques. Trends in Sciences, 2021, 18, 703.	0.2	7
862	A Compact Adaptive Particle Swarm Optimization Algorithm in the Application of the Mobile Sensor Localization. Wireless Communications and Mobile Computing, 2021, 2021, 1-15.	0.8	11
863	Using Optimisation Meta-Heuristics for the Roughness Estimation Problem in River Flow Analysis. Applied Sciences (Switzerland), 2021, 11, 10575.	1.3	7
864	Blood Coagulation Algorithm: A Novel Bio-Inspired Meta-Heuristic Algorithm for Global Optimization. Mathematics, 2021, 9, 3011.	1.1	10
865	Accelerating sailfish optimization applied to unconstrained optimization problems on graphical processing unit. Engineering Science and Technology, an International Journal, 2022, 32, 101077.	2.0	3
866	Hunterâ€prey optimization: algorithm and applications. Soft Computing, 2022, 26, 1279-1314.	2.1	93
867	Order Assignment and Scheduling for Personal Protective Equipment Production During the Outbreak of Epidemics. IEEE Transactions on Automation Science and Engineering, 2022, 19, 692-708.	3.4	7
869	An Embedded Hamiltonian Graph-Guided Heuristic Algorithm for Two-Echelon Vehicle Routing Problem. IEEE Transactions on Cybernetics, 2022, 52, 5695-5707.	6.2	6
870	Genetic-based algorithms for cash-in-transit multi depot vehicle routing problems: economic and environmental optimization. Environment, Development and Sustainability, 2023, 25, 557-586.	2.7	8
871	Optimal synthesis of mechanisms using repellency evolutionary algorithm. Knowledge-Based Systems, 2022, 239, 107928.	4.0	12
872	Comprehensive learning Harris hawks-equilibrium optimization with terminal replacement mechanism for constrained optimization problems. Expert Systems With Applications, 2022, 192, 116432.	4.4	19
873	RAFL: A hybrid metaheuristic based resource allocation framework for load balancing in cloud computing environment. Simulation Modelling Practice and Theory, 2022, 116, 102485.	2.2	22
874	Trees Social Relations Optimization Algorithm: A new Swarm-Based metaheuristic technique to solve continuous and discrete optimization problems. Mathematics and Computers in Simulation, 2022, 194, 629-664.	2.4	30

#	ARTICLE	IF	CITATIONS
875	CONTOPT-JS: Metaheuristic Algorithms based JavaScript Software Library for Continuous Optimization Problems. , 2019, , 1-7.		0
876	Similarity Attack on Cancelable Biometric Templates using Particle Swarm Optimization. , 2020, , .		1
877	A Hybrid Crow Search and Grey Wolf Optimization Technique for Enhanced Medical Data Classification in Diabetes Diagnosis System. International Journal of Computational Intelligence Systems, 2021, 14, .	1.6	16
878	Friends and enemies agents collaboration protocol to optimize multi-skills patient scheduling in emergency department. , 2021, , .		1
879	A Cooperative Coevolution Wingsuit Flying Search Algorithm with Spherical Evolution. International Journal of Computational Intelligence Systems, 2021, 14, .	1.6	14
880	Performance Analysis of Immune Plasma Algorithm with Different Donor-Receiver Configurations. European Journal of Science and Technology, 0, , .	0.5	1
881	Exploring and exploiting ant colony optimization algorithm for vertical highway alignment development. Computer-Aided Civil and Infrastructure Engineering, 2022, 37, 1582-1601.	6.3	26
883	An Improved Gorilla Troops Optimizer Based on Lens Opposition-Based Learning and Adaptive \hat{i}^2 -Hill Climbing for Global Optimization. CMES - Computer Modeling in Engineering and Sciences, 2022, 131, 815-850.	0.8	15
884	An Extended Tissue-like P System Based on Membrane Systems and Quantum-Behaved Particle Swarm Optimization for Image Segmentation. Processes, 2022, 10, 287.	1.3	3
885	Solving unconstrained, constrained optimization and constrained engineering problems using reconfigured water cycle algorithm. Evolutionary Intelligence, 2023, 16, 633-649.	2.3	1
886	Hybrid PSO- \hat{i}^2 BB Global Optimisation for $C \hat{i}^2$ Box-Constrained Multimodal NLPs. IEEE Access, 2022, 10, 805-818.	2.6	2
887	Satisfying user preferences in optimised ridesharing services:. Applied Intelligence, 2022, 52, 11257-11272.	3.3	3
888	AOAAO: The Hybrid Algorithm of Arithmetic Optimization Algorithm With Aquila Optimizer. IEEE Access, 2022, 10, 10907-10933.	2.6	51
889	An efficient orthogonal opposition-based learning slime mould algorithm for maximum power point tracking. Neural Computing and Applications, 2022, 34, 3671-3695.	3.2	18
890	Parallel fish migration optimization with compact technology based on memory principle for wireless sensor networks. Knowledge-Based Systems, 2022, 241, 108124.	4.0	25
891	Cross domain optimization problem with hyperheuristic approach using size stochastic move acceptance. Procedia Computer Science, 2022, 197, 428-436.	1.2	0
892	Self-adaptive Equilibrium Optimizer for solving global, combinatorial, engineering, and Multi-Objective problems. Expert Systems With Applications, 2022, 195, 116552.	4.4	40
893	A systematic literature review for the tourist trip design problem: Extensions, solution techniques and future research lines. Operations Research Perspectives, 2022, 9, 100228.	1.2	14

#	ARTICLE	IF	CITATIONS
894	Chaotic adaptive sailfish optimizer with genetic characteristics for global optimization. <i>Journal of Supercomputing</i> , 2022, 78, 10950-10996.	2.4	7
895	Improved fish migration optimization with the opposition learning based on elimination principle for cluster head selection. <i>Wireless Networks</i> , 2022, 28, 1017-1038.	2.0	2
896	A Self-Parametrization Framework for Meta-Heuristics. <i>Mathematics</i> , 2022, 10, 475.	1.1	3
897	Multi-objective optimization of sustainable red prickly pear (<i>Opuntia streptacantha</i>) peel drying and biocompounds extraction using a hybrid stochastic algorithm. <i>Food and Bioproducts Processing</i> , 2022, 132, 155-166.	1.8	10
898	A cooperative coevolutionary algorithm approach to the no-wait job shop scheduling problem. <i>Expert Systems With Applications</i> , 2022, 194, 116498.	4.4	7
899	Strategic observation of power grids for reliable monitoring. <i>International Journal of Electrical Power and Energy Systems</i> , 2022, 138, 107959.	3.3	4
900	Economic load dispatch using memetic sine cosine algorithm. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2023, 14, 11685-11713.	3.3	13
901	Optimization design and research of simulation system for urban green ecological rainwater by genetic algorithm. <i>Journal of Supercomputing</i> , 2022, 78, 11318-11344.	2.4	3
902	An improved Henry gas solubility optimization algorithm based on Lévy flight and Brown motion. <i>Applied Intelligence</i> , 2022, 52, 12584-12608.	3.3	1
903	HSSAHHO: a novel hybrid Salp Swarm-Harris Hawks optimization algorithm for complex engineering problems. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2023, 14, 11569-11605.	3.3	15
904	Starling murmuration optimizer: A novel bio-inspired algorithm for global and engineering optimization. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2022, 392, 114616.	3.4	145
905	Boolean Particle Swarm Optimization with various Evolutionary Population Dynamics approaches for feature selection problems. <i>Expert Systems With Applications</i> , 2022, 195, 116550.	4.4	32
906	Multi-Population Parallel Wolf Pack Algorithm for Task Assignment of UAV Swarm. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11996.	1.3	4
908	A Feature-Weighting Approach Using Metaheuristic Algorithms to Evaluate the Performance of Handball Goalkeepers. <i>IEEE Access</i> , 2022, 10, 30556-30572.	2.6	0
909	Improved nested-layer particle swarm optimization-based bifurcation point detection for the parameter space containing various bifurcation points. <i>Nonlinear Theory and Its Applications IEICE</i> , 2022, 13, 493-510.	0.4	0
910	Statistical Analysis and Comparison of the Performance of Meta-Heuristic Methods Based on their Powerfulness and Effectiveness. <i>Journal of Information Systems and Telecommunication</i> , 2022, 10, 49-59.	0.2	0
911	Hybrid Aquila optimizer with arithmetic optimization algorithm for global optimization tasks. <i>Soft Computing</i> , 2022, 26, 4863-4881.	2.1	77
912	Integrated Planning of MV/LV Distribution Systems with DG Using Single Solution-Based Metaheuristics with a Novel Neighborhood Search Method Based on the Zbus Matrix. <i>Journal of Electrical and Computer Engineering</i> , 2022, 2022, 1-19.	0.6	1

#	ARTICLE	IF	CITATIONS
913	Nodes placement in wireless mesh networks using optimization approaches: a survey. <i>Neural Computing and Applications</i> , 2022, 34, 5283-5319.	3.2	22
914	Attracting Potential Customers in E-Commerce Environments: A Comparative Study of Metaheuristic Algorithms. <i>Processes</i> , 2022, 10, 369.	1.3	2
915	Maximizing Sustainability in Reservoir Operation under Climate Change Using a Novel Adaptive Accelerated Gravitational Search Algorithm. <i>Water (Switzerland)</i> , 2022, 14, 905.	1.2	3
916	Hybrid arithmetic optimization algorithm with hunger games search for global optimization. <i>Multimedia Tools and Applications</i> , 2022, 81, 28755-28778.	2.6	25
917	Anti-coronavirus optimization algorithm. <i>Soft Computing</i> , 2022, 26, 4991-5023.	2.1	21
918	Investigation and improvement of intelligent evolutionary algorithms for the energy cost optimization of an industry crude oil pipeline system. <i>Engineering Optimization</i> , 2023, 55, 856-875.	1.5	2
919	Effects of Optimization on User-Based Charging/Discharging Control strategy. <i>Recent Advances in Electrical and Electronic Engineering</i> , 2022, 15, .	0.2	0
920	Fish-Inspired Heuristics: A Survey of the State-of-the-Art Methods. <i>Archives of Computational Methods in Engineering</i> , 2022, 29, 3655-3675.	6.0	3
921	Temperature Field of Artificially Frozen Gravel Formation and Optimization of Freezing Pipe Layout Parameters under Seepage Flow. <i>Geofluids</i> , 2022, 2022, 1-11.	0.3	0
922	Nature inspired optimization algorithms: a comprehensive overview. <i>Evolving Systems</i> , 2023, 14, 141-156.	2.4	17
923	EDO: An Elastic Deformation Optimization Algorithm. <i>Applied Intelligence</i> , 2022, 52, 17580-17599.	3.3	3
924	A Linearly Adaptive Sine-Cosine Algorithm with Application in Deep Neural Network for Feature Optimization in Arrhythmia Classification using ECG Signals. <i>Knowledge-Based Systems</i> , 2022, 242, 108411.	4.0	14
925	Optimization-based clustering of random fields for computationally efficient and goal-oriented uncertainty quantification: Concept and demonstration for delineation of wellhead protection areas in transient aquifers. <i>Advances in Water Resources</i> , 2022, 162, 104146.	1.7	1
926	Exact and heuristic methods for the berth allocation problem with multiple continuous quays in tidal bulk terminals. <i>Expert Systems With Applications</i> , 2022, 201, 117141.	4.4	8
927	Multi-surrogate assisted binary particle swarm optimization algorithm and its application for feature selection. <i>Applied Soft Computing Journal</i> , 2022, 121, 108736.	4.1	40
928	Meta-heuristics optimization in electric vehicles -an extensive review. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 160, 112285.	8.2	21
929	MatHH: A Matlab-based Hyper-Heuristic framework. <i>SoftwareX</i> , 2022, 18, 101047.	1.2	2
930	Tuning of state-feedback multi-resonant controllers based on LQR using differential evolution metaheuristic. <i>International Journal of Electrical Power and Energy Systems</i> , 2022, 139, 107965.	3.3	3

#	ARTICLE	IF	CITATIONS
931	Surrogate-Based Black-Box Optimization Method for Costly Molecular Properties. , 2021, , .		1
932	Research on Trajectory Planning of Numerical Control Drilling for Panel Furniture Based on Elite Ant Colony Algorithm. , 2021, , .		0
933	Optimized Simultaneous Tuning of VSI Controllers in Autonomous Microgrids Using Differential Evolution Metaheuristic. , 2021, , .		0
934	A genetic algorithm for vehicle routing in logistic networks with practical constraints. Przegląd Statystyczny, 2021, 68, 16-40.	0.1	0
935	Analytics and machine learning in vehicle routing research. International Journal of Production Research, 2023, 61, 4-30.	4.9	33
936	A metaheuristic-based framework for index tracking with practical constraints. Complex & Intelligent Systems, 2022, 8, 4571-4586.	4.0	19
937	Vehicle Routing Problem When Using UAVs. Cybernetics and Computer Technologies, 2021, , 27-34.	0.0	0
938	Fusion of modern meta-heuristic optimization methods using arithmetic optimization algorithm for global optimization tasks. Soft Computing, 2022, 26, 6749-6763.	2.1	19
939	Weighted iterated local branching for mathematical programming problems with binary variables. Journal of Heuristics, 2022, 28, 329-350.	1.1	1
940	On the optical characterization of heliostats through computational optimization. AIP Conference Proceedings, 2022, , .	0.3	1
941	Extreme Learning With Metaheuristic Optimization for Exchange Rate Forecasting. International Journal of Swarm Intelligence Research, 2022, 13, 1-25.	0.5	1
942	A Comparison Test Performance for The Enhanced Hyper-Angle Exploitative Searching Algorithm. , 2022, , .		0
943	Forecasting the Energy Consumption of Cloud Data Centers Based on Container Placement with Ant Colony Optimization and Bin Packing. , 2022, , .		4
944	A novel approach to discover numerical association based on the coronavirus optimization algorithm. , 2022, , .		0
945	L-shade Algoritması Otomatik Parametre Yapılandırma Yöntemi ile Uygüleytirilmesi. Bilişim Teknolojileri Dergisi, 2022, 15, 189-197.	0.2	1
946	Toward an Ideal Particle Swarm Optimizer for Multidimensional Functions. Information (Switzerland), 2022, 13, 217.	1.7	5
947	Path following control for miniature fixed-wing unmanned aerial vehicles under uncertainties and disturbances: a two-layered framework. Nonlinear Dynamics, 2022, 108, 3761-3781.	2.7	4
948	Metaheuristic algorithms for PID controller parameters tuning: review, approaches and open problems. Heliyon, 2022, 8, e09399.	1.4	96

#	ARTICLE	IF	CITATIONS
949	An Efficient and Robust Improved Whale Optimization Algorithm for Large Scale Global Optimization Problems. <i>Electronics (Switzerland)</i> , 2022, 11, 1475.	1.8	10
950	A comprehensive survey on recent metaheuristics for feature selection. <i>Neurocomputing</i> , 2022, 494, 269-296.	3.5	119
951	Novel optimized crow search algorithm for feature selection. <i>Expert Systems With Applications</i> , 2022, 204, 117486.	4.4	17
952	Enhanced UAV-aided vehicular delay tolerant network (VDTN) routing for urban environment using a bio-inspired approach. <i>Ad Hoc Networks</i> , 2022, 133, 102902.	3.4	11
953	An improved gravitational search algorithm combining with centripetal force. <i>Partial Differential Equations in Applied Mathematics</i> , 2022, 5, 100378.	1.3	2
954	Population Symmetrization in Genetic Algorithms. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5426.	1.3	2
955	Improving Particle Swarm Optimization Analysis Using Differential Models. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5505.	1.3	0
956	Inverse modeling of atmospheric chemistry with a differential evolution solver: Inverse problem and Data assimilation. <i>IOP Conference Series: Earth and Environmental Science</i> , 2022, 1023, 012015.	0.2	1
957	Mining social media text for disaster resource management using a feature selection based on forest optimization. <i>Computers and Industrial Engineering</i> , 2022, 169, 108280.	3.4	13
958	An island parallel Harris hawks optimization algorithm. <i>Neural Computing and Applications</i> , 0, , .	3.2	2
959	A simplified non-equidistant grey prediction evolution algorithm for global optimization. <i>Applied Soft Computing Journal</i> , 2022, 125, 109081.	4.1	8
960	An Optimal Microgrid Operations Planning Using Improved Archimedes Optimization Algorithm. <i>IEEE Access</i> , 2022, 10, 67940-67957.	2.6	9
961	Information-decision searching algorithm: Theory and applications for solving engineering optimization problems. <i>Information Sciences</i> , 2022, 607, 1465-1531.	4.0	16
962	On the role of metaheuristic optimization in bioinformatics. <i>International Transactions in Operational Research</i> , 2023, 30, 2909-2944.	1.8	6
963	Comparison of Efficiency-Based Optimal Load Distribution for Modular SSTs with Biologically Inspired Optimization Algorithms. <i>Electronics (Switzerland)</i> , 2022, 11, 1988.	1.8	1
964	An Improved Whale Optimization Algorithm Based on Nonlinear Parameters and Feedback Mechanism. <i>International Journal of Computational Intelligence Systems</i> , 2022, 15, .	1.6	11
965	Comparative Study of Impacts of Typical Bio-Inspired Optimization Algorithms on Source Inversion Performance. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	1
966	New Ant Colony Optimization Algorithms for Designing Two-Stage Supply Chain with Fixed Costs. <i>Journal of Advanced Manufacturing Systems</i> , 0, , .	0.4	2

#	ARTICLE	IF	CITATIONS
967	Solving a new variant of the capacitated maximal covering location problem with fuzzy coverage area using metaheuristic approaches. <i>Computers and Industrial Engineering</i> , 2022, 170, 108315.	3.4	9
968	Comparing classical and metaheuristic methods to optimize multi-objective operation planning of district energy systems considering uncertainties. <i>Applied Energy</i> , 2022, 321, 119400.	5.1	13
969	A new metaheuristic optimization based on K-means clustering algorithm and its application to structural damage identification. <i>Knowledge-Based Systems</i> , 2022, 251, 109189.	4.0	44
970	A proportional, integral and derivative differential evolution algorithm for global optimization. <i>Expert Systems With Applications</i> , 2022, 206, 117669.	4.4	9
971	Prescriptive Analytics for Optimization of FMCG Delivery Plans. <i>Communications in Computer and Information Science</i> , 2022, , 44-53.	0.4	3
974	Multi-Strategy Improved Slime Mould Algorithm and its Application in Optimal Operation of Cascade Reservoirs. <i>Water Resources Management</i> , 2022, 36, 3029-3048.	1.9	5
975	An Improved Pity Beetle Algorithm for Solving Constrained Engineering Design Problems. <i>Mathematics</i> , 2022, 10, 2211.	1.1	1
976	Improved Metaheuristic Algorithm Based Finite Element Model Updating of a Hybrid Girder Cable-Stayed Railway Bridge. <i>Buildings</i> , 2022, 12, 958.	1.4	1
977	A comprehensive survey on the ant lion optimiser, variants and applications. <i>Journal of Experimental and Theoretical Artificial Intelligence</i> , 0, , 1-52.	1.8	1
978	Developing an Artificial Hummingbird Algorithm for Probabilistic Energy Management of Microgrids Considering Demand Response. <i>Frontiers in Energy Research</i> , 0, 10, .	1.2	12
979	An adaptive differential evolution with extended historical memory and iterative local search. <i>Applied Soft Computing Journal</i> , 2022, 125, 109203.	4.1	1
980	Artificial rabbits optimization: A new bio-inspired meta-heuristic algorithm for solving engineering optimization problems. <i>Engineering Applications of Artificial Intelligence</i> , 2022, 114, 105082.	4.3	206
981	A heuristic whale optimization algorithm with niching strategy for global multi-dimensional engineering optimization. <i>Computers and Industrial Engineering</i> , 2022, 171, 108361.	3.4	27
982	Chaotic Wind Driven Optimization with Fitness Distance Balance Strategy. <i>International Journal of Computational Intelligence Systems</i> , 2022, 15, .	1.6	7
983	Fitness-distance balance based artificial ecosystem optimisation to solve transient stability constrained optimal power flow problem. <i>Journal of Experimental and Theoretical Artificial Intelligence</i> , 0, , 1-40.	1.8	13
984	The fusion-fission optimization (FuFIO) algorithm. <i>Scientific Reports</i> , 2022, 12, .	1.6	4
985	Adaptive graph learning for semi-supervised feature selection with redundancy minimization. <i>Information Sciences</i> , 2022, 609, 465-488.	4.0	17
986	A Grasshopper Optimization Algorithm-Based Response Surface Method for Non-Probabilistic Structural Reliability Analysis with an Implicit Performance Function. <i>Buildings</i> , 2022, 12, 1061.	1.4	2

#	ARTICLE	IF	CITATIONS
987	A New Discrete Mycorrhiza Optimization Nature-Inspired Algorithm. <i>Axioms</i> , 2022, 11, 391.	0.9	4
988	Heuristics for optimizing 3D mapping missions over swarm-powered ad-hoc clouds. <i>Journal of Heuristics</i> , 2022, 28, 539-582.	1.1	0
989	Sighted particles: improving swarm optimization by making particles aware of their surroundings. <i>Evolutionary Intelligence</i> , 0, , .	2.3	0
990	Real-time implementation and evaluation of gorilla troops optimization-based control strategy for autonomous microgrids. <i>IET Renewable Power Generation</i> , 2022, 16, 3071-3091.	1.7	8
991	Bi-level scheduling in high-end equipment R&D: when more algorithm strategies may not be better. <i>International Journal of Production Research</i> , 2023, 61, 5436-5467.	4.9	3
992	Modified Quasi-Opposition-Based Grey Wolf Optimization for Mathematical and Electrical Benchmark Problems. <i>Energies</i> , 2022, 15, 5704.	1.6	6
993	Real Estate Market-Based Optimization Algorithm (REMARK): a market-inspired metaheuristic optimization algorithm based on the law of supply and demand. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 0, , .	3.3	0
994	Optimal inspection and advance payment policy for deteriorating items using differential evolution metaheuristic. <i>Applied Soft Computing Journal</i> , 2022, 128, 109475.	4.1	3
995	Application of multispectral imaging combined with machine learning methods for rapid and non-destructive detection of zearalenone (ZEN) in maize. <i>Measurement: Journal of the International Measurement Confederation</i> , 2022, 203, 111944.	2.5	2
996	Information Technology for Parametric Optimization of Fuzzy Systems Based on Hybrid Grey Wolf Algorithms. <i>SN Computer Science</i> , 2022, 3, .	2.3	3
997	Particle Swarm Optimization and Two-Way Fixed-Effects Analysis of Variance for Efficient Brain Tumor Segmentation. <i>Cancers</i> , 2022, 14, 4399.	1.7	12
998	A review on the studies employing artificial bee colony algorithm to solve combinatorial optimization problems. <i>Engineering Applications of Artificial Intelligence</i> , 2022, 115, 105311.	4.3	36
999	An efficient multi-objective gorilla troops optimizer for minimizing energy consumption of large-scale wireless sensor networks. <i>Expert Systems With Applications</i> , 2023, 212, 118827.	4.4	15
1000	A Novel Cosine Swarm Algorithm for Solving Optimization Problems. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , 2022, , 427-434.	0.5	1
1001	On the Design of a New Stochastic Meta-Heuristic for Derivative-Free Optimization. <i>Lecture Notes in Computer Science</i> , 2022, , 188-200.	1.0	0
1002	Improved symbiotic organisms search algorithm for capacitated vehicle routing problem. , 2022, , .		0
1003	Adaptive Problem Solving Dynamics in Gate-Model Quantum Computers. <i>Entropy</i> , 2022, 24, 1196.	1.1	0
1004	White-Tailed Eagle Algorithm for Global Optimization and Low-Cost and Low-CO2 Emission Design of Retaining Structures. <i>Sustainability</i> , 2022, 14, 10673.	1.6	5

#	ARTICLE	IF	CITATIONS
1005	Comparison Between Genetic Algorithm and Grey Wolf Optimiser to Solve Capacitated Vehicle Routing Problem. Algorithms for Intelligent Systems, 2023, , 167-178.	0.5	0
1006	Efficient Modified Meta-Heuristic Technique for Unconstrained Optimization Problems. Axioms, 2022, 11, 483.	0.9	2
1007	Wild Geese Migration Optimization Algorithm: A New Meta-Heuristic Algorithm for Solving Inverse Kinematics of Robot. Computational Intelligence and Neuroscience, 2022, 2022, 1-38.	1.1	3
1008	XECryptoGA: a metaheuristic algorithm-based block cipher to enhance the security goals. Evolving Systems, 2023, 14, 749-770.	2.4	4
1009	Boxing Match Algorithm: a new meta-heuristic algorithm. Soft Computing, 2022, 26, 13277-13299.	2.1	6
1010	Semi-Quantitative Discrimination of Honey Adulterated with Cane Sugar Solution by an ETongue. Chemistry and Biodiversity, 0, , .	1.0	0
1012	Introductory Chapter: Optimization Problems in Engineering. , 0, , .		0
1013	An Improved Sea Lion Optimization for Workload Elasticity Prediction with Neural Networks. International Journal of Computational Intelligence Systems, 2022, 15, .	1.6	6
1015	Variable Neighborhood Search for Multi-Cycle Medical Waste Recycling Vehicle Routing Problem with Time Windows. International Journal of Environmental Research and Public Health, 2022, 19, 12887.	1.2	6
1016	Simulated Annealing and Tabu Search for Solving the Single Machine Scheduling Problem. Lecture Notes in Networks and Systems, 2023, , 86-95.	0.5	0
1017	Rao algorithms based on elite local search method. Neural Computing and Applications, 0, , .	3.2	2
1018	A GRASP-VND algorithm to solve the multi-objective fuzzy and sustainable Tourist Trip Design Problem for groups. Applied Soft Computing Journal, 2022, 131, 109716.	4.1	7
1019	Recent Advances in Butterfly Optimization Algorithm, Its Versions and Applications. Archives of Computational Methods in Engineering, 2023, 30, 1399-1420.	6.0	6
1020	A dual-population and multi-stage based constrained multi-objective evolutionary. Information Sciences, 2022, 615, 557-577.	4.0	16
1021	Data-driven cymbal bronze alloy identification via evolutionary machine learning with automatic feature selection. Journal of Intelligent Manufacturing, 2024, 35, 257-273.	4.4	0
1022	Advanced dwarf mongoose optimization for solving CEC 2011 and CEC 2017 benchmark problems. PLoS ONE, 2022, 17, e0275346.	1.1	9
1023	Developing Hybrid Demand Response Technique for Energy Management in Microgrid Based on Pelican Optimization Algorithm. Electric Power Systems Research, 2023, 214, 108905.	2.1	21
1024	Nature-Inspired Optimization for Inventory Models with Imperfect Production. Inventory Optimization, 2022, , 23-44.	0.2	0

#	ARTICLE	IF	CITATIONS
1025	Sonar-Based Human Leg Localization Using Chaos Enhanced Dynamic Neighborhood Learning-Based GSA Aided sNDT Algorithm. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-12.	2.4	1
1026	The MIP-Based Large Neighborhood Local Search Method for Large-Scale Optimization Problems with Many Constraints: Application to the Machining Scheduling. , 2022, , .		0
1027	Termite life cycle optimizer. Expert Systems With Applications, 2023, 213, 119211.	4.4	29
1028	Adaptive PI Control Strategy for Optimal Microgrid Autonomous Operation. Sustainability, 2022, 14, 14928.	1.6	6
1029	Analysis and Correction of the Rolling Shutter Effect for a Star Tracker Based on Particle Swarm Optimization. Remote Sensing, 2022, 14, 5772.	1.8	2
1030	Hybrid PSO (SGPSO) with the Incorporation of Discretization Operator for Training RBF Neural Network and Optimal Feature Selection. Arabian Journal for Science and Engineering, 2023, 48, 9991-10019.	1.7	8
1031	Optical characterization of heliostat facets based on Computational Optimization. Solar Energy, 2022, 248, 1-15.	2.9	0
1032	An investigation of F-Race training strategies for cross domain optimisation with memetic algorithms. Information Sciences, 2023, 619, 153-171.	4.0	3
1033	Novel Air2water Model Variant for Lake Surface Temperature Modeling With Detailed Analysis of Calibration Methods. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2023, 16, 553-569.	2.3	3
1034	A survey of recently developed metaheuristics and their comparative analysis. Engineering Applications of Artificial Intelligence, 2023, 117, 105622.	4.3	27
1035	A reinforcement learning based computational intelligence approach for binary optimization problems: The case of the set-union knapsack problem. Engineering Applications of Artificial Intelligence, 2023, 118, 105688.	4.3	5
1036	A qualitative systematic review of metaheuristics applied to tension/compression spring design problem: Current situation, recommendations, and research direction. Engineering Applications of Artificial Intelligence, 2023, 118, 105521.	4.3	10
1037	Groundwater Flow Algorithm: A Novel Hydro-Geology Based Optimization Algorithm. IEEE Access, 2022, 10, 132193-132211.	2.6	7
1038	Independent vector analysis based on binary grey wolf feature selection and extreme learning machine for bearing fault diagnosis. Journal of Supercomputing, 2023, 79, 7014-7036.	2.4	0
1039	Parallel Implementation of a Sensitivity Operator-Based Source Identification Algorithm for Distributed Memory Computers. Mathematics, 2022, 10, 4522.	1.1	0
1040	A new genetic algorithm method based on statistical-based replacement for the training of multiplicative neuron model artificial neural networks. Journal of Supercomputing, 0, , .	2.4	3
1041	A single-solutionâ€compact hybrid algorithm for continuous optimization. Memetic Computing, 2023, 15, 155-204.	2.7	2
1042	Comparison of inverse and data assimilation problems in the inverse modeling of atmospheric chemistry. , 2022, , .		0

#	ARTICLE	IF	CITATIONS
1043	PRETTY: A parallel transgenerational learning-assisted evolutionary algorithm for computationally expensive multi-objective optimization. <i>Information Sciences</i> , 2023, 623, 748-766.	4.0	2
1045	A Meta-Heuristic Algorithm Based on the Happiness Model. <i>Studies in Computational Intelligence</i> , 2023, , 109-126.	0.7	0
1046	Optimal Power Flow in Windâ€™Photovoltaic Energy Regulation Systems Using a Modified Turbulent Water Flow-Based Optimization. <i>Sustainability</i> , 2022, 14, 16444.	1.6	6
1047	In Situ Skin Friction Capacity Modeling with Advanced Neuro-Fuzzy Optimized by Metaheuristic Algorithms. <i>Geotechnics</i> , 2022, 2, 1035-1058.	1.2	0
1048	International Gold Price Forecast Based on CEEMDAN and Support Vector Regression with Grey Wolf Algorithm. <i>Complexity</i> , 2022, 2022, 1-12.	0.9	4
1049	Accelerating neural network architecture search using multi-GPU high-performance computing. <i>Journal of Supercomputing</i> , 2023, 79, 7609-7625.	2.4	1
1050	Calibration of conceptual rainfall-runoff models by selected differential evolution and particle swarm optimization variants. <i>Acta Geophysica</i> , 0, , .	1.0	2
1051	Route Optimization in Service of a Search and Rescue Artificial Social Intelligence Agent. <i>Lecture Notes in Computer Science</i> , 2022, , 220-228.	1.0	0
1054	A Parallel Compact Gannet Optimization Algorithm for Solving Engineering Optimization Problems. <i>Mathematics</i> , 2023, 11, 439.	1.1	12
1055	Energy valley optimizer: a novel metaheuristic algorithm for global and engineering optimization. <i>Scientific Reports</i> , 2023, 13, .	1.6	26
1056	Reducing the Vulnerability of Electric Power Infrastructure against Natural Disasters by Promoting Distributed Generation. <i>Natural Hazards Review</i> , 2023, 24, .	0.8	5
1057	Solve the Inverse Kinematics of Robot Arms using Sand Cat Swarm Optimization (SCSO) Algorithm. , 2022, , .		2
1059	Applications of Artificial Intelligence Algorithms in the Energy Sector. <i>Energies</i> , 2023, 16, 347.	1.6	12
1060	Metaheuristic Optimization Techniques Used in Controlling of an Active Magnetic Bearing System for High-Speed Machining Application. <i>IEEE Access</i> , 2023, 11, 12100-12118.	2.6	6
1061	Improved Whale Optimization with Local-Search Method forçœœatureçœœ-election. <i>Computers, Materials and Continua</i> , 2023, 75, 1371-1389.	1.5	0
1062	Genetic algorithm-based hyperparameter optimization of deep learning models for PM2.5 time-series prediction. <i>International Journal of Environmental Science and Technology</i> , 2023, 20, 2959-2982.	1.8	12
1063	An in-depth and contrasting survey of meta-heuristic approaches with classical feature selection techniques specific to cervical cancer. <i>Knowledge and Information Systems</i> , 2023, 65, 1881-1934.	2.1	2
1064	Application of combined GSA&sCSO algorithm to modified bounded knapsack with multiple constraints problem against uncertain coefficient. <i>AIP Conference Proceedings</i> , 2023, , .	0.3	0

#	ARTICLE	IF	CITATIONS
1065	Meta-heuristic and Heuristic Algorithms for Forecasting Workload Placement and Energy Consumption in Cloud Data Centers. <i>Advances in Science, Technology and Engineering Systems</i> , 2023, 8, 1-11.	0.4	1
1066	Approaches to Overpower Proof-of-Work Blockchains Despite Minority. <i>IEEE Access</i> , 2023, 11, 2952-2967.	2.6	3
1067	Many-Objectives Optimization: A Machine Learning Approach for Reducing the Number of Objectives. <i>Mathematical and Computational Applications</i> , 2023, 28, 17.	0.7	1
1068	BSSFS: binary sparrow search algorithm for feature selection. <i>International Journal of Machine Learning and Cybernetics</i> , 2023, 14, 2633-2657.	2.3	6
1069	Patient admission scheduling problems with uncertain length of stay: optimization models and an efficient metaheuristic approach. <i>International Transactions in Operational Research</i> , 2024, 31, 53-87.	1.8	1
1070	A reinforcement learning-based metaheuristic algorithm for solving global optimization problems. <i>Advances in Engineering Software</i> , 2023, 178, 103411.	1.8	23
1071	Meta-heuristic Techniques in Microgrid Management: A Survey. <i>Swarm and Evolutionary Computation</i> , 2023, 78, 101256.	4.5	8
1072	Lens law based optimization algorithm: a novel approach. <i>Soft Computing</i> , 2023, 27, 9501-9518.	2.1	0
1073	Particle Swarm Optimization or Differential Evolution? A comparison. <i>Engineering Applications of Artificial Intelligence</i> , 2023, 121, 106008.	4.3	22
1074	An efficient biobjective evolutionary algorithm for mining frequent and high utility itemsets. <i>Applied Soft Computing Journal</i> , 2023, 140, 110233.	4.1	2
1075	Cooperative Artificial Intelligence for underwater robotic swarm. <i>Robotics and Autonomous Systems</i> , 2023, 164, 104410.	3.0	9
1076	Dynamic multi-objective evolutionary algorithms in noisy environments. <i>Information Sciences</i> , 2023, 634, 650-664.	4.0	3
1077	An enhanced vortex search algorithm based on fluid particle density transfer for global and engineering optimization. <i>Applied Soft Computing Journal</i> , 2023, 135, 110024.	4.1	3
1078	Genetic algorithms: theory, genetic operators, solutions, and applications. <i>Evolutionary Intelligence</i> , 0, , .	2.3	13
1079	Classification framework for faulty-software using enhanced exploratory whale optimizer-based feature selection scheme and random forest ensemble learning. <i>Applied Intelligence</i> , 2023, 53, 18715-18757.	3.3	15
1080	Improved Symbiotic organisms search for path planning of unmanned combat aerial vehicles. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2023, 14, 4289-4311.	3.3	4
1081	Microservice combination optimisation based on improved gray wolf algorithm. <i>Connection Science</i> , 2023, 35, .	1.8	0
1082	An Optimized Approach for Assembly Models in Non-Assembly 3D Printing. <i>Jisuanji Fuzhu Sheji Yu Tuxingxue Xuebao/Journal of Computer-Aided Design and Computer Graphics</i> , 2022, 34, 1828-1841.	0.2	0

#	ARTICLE	IF	CITATIONS
1083	Feature selection in high dimensional data: A specific preordonnances-based memetic algorithm. Knowledge-Based Systems, 2023, 266, 110420.	4.0	7
1084	A new robust Harris Hawk optimization algorithm for large quadratic assignment problems. Neural Computing and Applications, 2023, 35, 12531-12544.	3.2	1
1085	Planning and optimization of sustainable grid integrated hybrid energy system in India. Sustainable Energy Technologies and Assessments, 2023, 56, 103115.	1.7	1
1086	From Metaheuristics to Automatic Programming. Computational Intelligence Methods and Applications, 2023, , 3-38.	0.2	0
1088	Dynamic sustainable multiple-depot vehicle routing problem with simultaneous pickup and delivery in the context of the physical internet. Journal of International Logistics and Trade, 2023, ahead-of-print, .	0.6	0
1089	Artificial-Intelligence-Based Charger Deployment in Wireless Rechargeable Sensor Networks. Future Internet, 2023, 15, 117.	2.4	0
1090	Classification of Urban Green Space Types Using Machine Learning Optimized by Marine Predators Algorithm. Sustainability, 2023, 15, 5634.	1.6	1
1091	A modified weighted chimp optimization algorithm for training feed-forward neural network. PLoS ONE, 2023, 18, e0282514.	1.1	1
1092	A Multi-Objective Hybrid BESSA Optimization Scheme for Parameter Extraction from PV Modules. Applied Sciences (Switzerland), 2023, 13, 4705.	1.3	0
1093	Optimizing time and cost simultaneously in projects with multi-verse optimizer. Asian Journal of Civil Engineering, 2023, 24, 2443-2449.	0.8	15
1094	Optimal Power Flow of Hybrid Wind/Solar/Thermal Energy Integrated Power Systems Considering Costs and Emissions via a Novel and Efficient Search Optimization Algorithm. Applied Sciences (Switzerland), 2023, 13, 4760.	1.3	8
1095	Modified Whale Algorithm-Based Optimization for Fractional Order Concurrent Diminution of Torque Ripple in Switch Reluctance Motor for EV Applications. Processes, 2023, 11, 1226.	1.3	0
1096	Optimal Real-time implementation of fuzzy logic control strategy for performance enhancement of autonomous microgrids. International Journal of Electrical Power and Energy Systems, 2023, 151, 109140.	3.3	3
1098	A Weight Initialization Method for Compressed Video Action Recognition in Compressed Domain. , 2022, , .		0
1102	Improved Sine Cosine Algorithm for searching global optima. , 2023, , .		0
1106	Optimal Decision Making for Hybrid Power Systems Selection with Smart Grid and Local Generator Using Wireless Sensor Networks. , 2023, , .		0
1118	Comparative Analysis of Parametric Optimization Techniques: Fuzzy DSS for Medical Diagnostics. Studies in Fuzziness and Soft Computing, 2023, , 193-201.	0.6	0
1121	Multi-group Adaptive Fish Migration Optimization Algorithm. Smart Innovation, Systems and Technologies, 2023, , 141-148.	0.5	0

#	ARTICLE	IF	CITATIONS
1123	Dynamic Parameterization of Metaheuristics Using a Multi-agent System for the Optimization of Electricity Market Participation. Lecture Notes in Networks and Systems, 2023, , 245-255.	0.5	0
1125	A Parallel Monte-Carlo Tree Search-Based Metaheuristic For Optimal Fleet Composition Considering Vehicle Routing Using Branch & Bound. , 2023, , .		1
1132	Modified Hybrid GWO-SCA Algorithm for Solving Optimization Problems. Lecture Notes on Data Engineering and Communications Technologies, 2023, , 121-128.	0.5	0
1146	Benchmark Problems on GPU: Accelerating Experiments on Metaheuristics. , 2023, , .		0
1150	A Comprehensive Survey of Meta-heuristic Algorithms. Lecture Notes in Electrical Engineering, 2023, , 1-39.	0.3	0
1154	Approximate Methods for the Emergency Medical Services Optimization Models: A Literature Review. , 2023, , .		0
1159	Trajectory-Driven Metaheuristic Approach Using a Second-Order Model. Intelligent Systems Reference Library, 2024, , 109-136.	1.0	0
1160	UAV Path Planning with an Adaptive Hybrid PSO. , 2023, , .		2
1161	Design of LQR-Based Optimal PID controller for Fuel Cell Energy Systems with Real-Time Implementation. , 2023, , .		0
1170	Forecasting the Exchange Rate for the Thai Baht Against the Chinese Yuan by Using a Genetic Algorithm-Based Subset Autoregressive Integrated Moving Average Model. Studies in Systems, Decision and Control, 2024, , 544-559.	0.8	0
1175	Feature selection based on dataset variance optimization using Whale Optimization Algorithm (WOA). , 2024, , 547-565.		0
1177	A Comprehensive Framework for Hyperheuristic Algorithms for Berth Allocation and Scheduling at Marine Container Terminals. Advances in Computational Intelligence and Robotics Book Series, 2023, , 1-19.	0.4	0
1179	Learning with Local Gradients at the Edge. , 2023, , .		0
1188	Application of the Coot Optimization Algorithm for Optimal Power Flow Solution. , 2023, , .		0
1200	Machine Learning Perspective in Cancer Research. , 2023, , 1104-1125.		0