

Hunger games search: Visions, conception, implementation  
towards performance shifts

Expert Systems With Applications

177, 114864

DOI: [10.1016/j.eswa.2021.114864](https://doi.org/10.1016/j.eswa.2021.114864)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Research on the Processing of Coal Mine Water Source Data by Optimizing BP Neural Network Algorithm With Sparrow Search Algorithm. IEEE Access, 2021, 9, 108718-108730.	2.6	44
2	Early Recognition and Discrimination of COVID-19 Severity Using Slime Mould Support Vector Machine for Medical Decision-Making. IEEE Access, 2021, 9, 121996-122015.	2.6	12
3	Spiral Motion Mode Embedded Grasshopper Optimization Algorithm: Design and Analysis. IEEE Access, 2021, 9, 71104-71132.	2.6	9
4	Optimal Charging/Discharging Decision of Energy Storage Community in Grid-Connected Microgrid Using Multi-Objective Hunger Game Search Optimizer. IEEE Access, 2021, 9, 120774-120794.	2.6	20
5	Fruit-Fly optimization based feature integration in image retrieval. Mathematical Biosciences and Engineering, 2021, 18, 6178-6197.	1.0	1
6	Invalid Signatures Searching Bitwise Divisions-Based Algorithm for Vehicular Ad-Hoc Networks. Journal of Advanced Transportation, 2021, 2021, 1-12.	0.9	2
7	The Colony Predation Algorithm. Journal of Bionic Engineering, 2021, 18, 674-710.	2.7	365
8	An Enhanced Slime Mould Algorithm for Function optimization. , 2021, , .		11
9	Generalized Oppositional Moth Flame Optimization with Crossover Strategy: An Approach for Medical Diagnosis. Journal of Bionic Engineering, 2021, 18, 991-1010.	2.7	12
10	Population-based optimization in structural engineering: a review. Artificial Intelligence Review, 2022, 55, 345-452.	9.7	26
11	Enhanced harmony search algorithm with non-linear control parameters for global optimization and engineering design problems. Engineering With Computers, 2022, 38, 3539-3562.	3.5	6
12	A Novel Hunger Games Search Optimization-Based Artificial Neural Network for Predicting Ground Vibration Intensity Induced by Mine Blasting. Natural Resources Research, 2021, 30, 3865-3880.	2.2	48
13	MFeature: Towards high performance evolutionary tools for feature selection. Expert Systems With Applications, 2021, 186, 115655.	4.4	18
14	Multilevel threshold image segmentation with diffusion association slime mould algorithm and Renyi's entropy for chronic obstructive pulmonary disease. Computers in Biology and Medicine, 2021, 134, 104427.	3.9	79
15	Memory-based Harris hawk optimization with learning agents: a feature selection approach. Engineering With Computers, 2022, 38, 4457-4478.	3.5	24
16	Multi-strategy Gaussian Harris hawks optimization for fatigue life of tapered roller bearings. Engineering With Computers, 2022, 38, 4387-4413.	3.5	13
17	Soil Erosion Prediction Based on Moth-Flame Optimizer-Evolved Kernel Extreme Learning Machine. Electronics (Switzerland), 2021, 10, 2115.	1.8	3
18	Manta ray foraging and Gaussian mutation-based elephant herding optimization for global optimization. Engineering With Computers, 2023, 39, 1085-1125.	3.5	6

#	ARTICLE	IF	CITATIONS
19	Parameter Identification of Proton Exchange Membrane Fuel Cell Based on Hunger Games Search Algorithm. <i>Energies</i> , 2021, 14, 5022.	1.6	30
20	Elite dominance scheme ingrained adaptive salp swarm algorithm: a comprehensive study. <i>Engineering With Computers</i> , 0, , 1.	3.5	9
21	An enhanced Cauchy mutation grasshopper optimization with trigonometric substitution: engineering design and feature selection. <i>Engineering With Computers</i> , 2022, 38, 4583-4616.	3.5	13
22	A Learning Sparrow Search Algorithm. <i>Computational Intelligence and Neuroscience</i> , 2021, 2021, 1-23.	1.1	50
23	Adaptive opposition slime mould algorithm. <i>Soft Computing</i> , 2021, 25, 14297-14313.	2.1	39
24	A novel improved arithmetic optimization algorithm for optimal design of PID controlled and Bode's ideal transfer function based automobile cruise control system. <i>Evolving Systems</i> , 2022, 13, 453-468.	2.4	38
25	Spiral Motion Enhanced Elite Whale Optimizer for Global Tasks. <i>Complexity</i> , 2021, 2021, 1-33.	0.9	11
26	Evolutionary warning system for COVID-19 severity: Colony predation algorithm enhanced extreme learning machine. <i>Computers in Biology and Medicine</i> , 2021, 136, 104698.	3.9	52
27	Performance optimization of differential evolution with slime mould algorithm for multilevel breast cancer image segmentation. <i>Computers in Biology and Medicine</i> , 2021, 138, 104910.	3.9	64
28	Chaotic hunger games search optimization algorithm for global optimization and engineering problems. <i>Mathematics and Computers in Simulation</i> , 2022, 192, 514-536.	2.4	48
29	Laplacian Nelder-Mead spherical evolution for parameter estimation of photovoltaic models. <i>Energy Conversion and Management</i> , 2021, 243, 114223.	4.4	37
30	Boosted kernel search: Framework, analysis and case studies on the economic emission dispatch problem. <i>Knowledge-Based Systems</i> , 2021, 233, 107529.	4.0	91
31	Spark-based parallel processing whale optimization algorithm. <i>Concurrency Computation Practice and Experience</i> , 2022, 34, e6607.	1.4	3
32	HSWOA: An ensemble of hunger games search and whale optimization algorithm for global optimization. <i>International Journal of Intelligent Systems</i> , 2022, 37, 52-104.	3.3	43
33	Automatic Superpixel-Based Clustering for Color Image Segmentation Using q-Generalized Pareto Distribution under Linear Normalization and Hunger Games Search. <i>Mathematics</i> , 2021, 9, 2383.	1.1	9
34	Evaluation of constraint in photovoltaic cells using ensemble multi-strategy shuffled frog leading algorithms. <i>Energy Conversion and Management</i> , 2021, 244, 114484.	4.4	25
35	A Hybrid Method to Predict Postoperative Survival of Lung Cancer Using Improved SMOTE and Adaptive SVM. <i>Computational and Mathematical Methods in Medicine</i> , 2021, 2021, 1-15.	0.7	8
36	Ant colony optimization with Cauchy and greedy Levy mutations for multilevel COVID 19 X-ray image segmentation. <i>Computers in Biology and Medicine</i> , 2021, 136, 104609.	3.9	69

#	ARTICLE	IF	CITATIONS
37	Identification of Parameters in Photovoltaic Models through a Runge Kutta Optimizer. Mathematics, 2021, 9, 2313.	1.1	52
38	An improved Chaotic Harris Hawks Optimizer for solving numerical and engineering optimization problems. Engineering With Computers, 2023, 39, 1183-1228.	3.5	18
39	A Node Location Algorithm Based on Improved Whale Optimization in Wireless Sensor Networks. Wireless Communications and Mobile Computing, 2021, 2021, 1-17.	0.8	7
40	Improving streamflow prediction using a new hybrid ELM model combined with hybrid particle swarm optimization and grey wolf optimization. Knowledge-Based Systems, 2021, 230, 107379.	4.0	117
41	Gaussian bareâ€bones gradientâ€based optimization: Towards mitigating the performance concerns. International Journal of Intelligent Systems, 2022, 37, 3193-3254.	3.3	9
42	Boosting slime mould algorithm for parameter identification of photovoltaic models. Energy, 2021, 234, 121164.	4.5	73
43	A text GAN framework for creative essay recommendation. Knowledge-Based Systems, 2021, 232, 107501.	4.0	30
44	Multi-population improved whale optimization algorithm for high dimensional optimization. Applied Soft Computing Journal, 2021, 112, 107854.	4.1	30
45	Metaphor-free dynamic spherical evolution for parameter estimation of photovoltaic modules. Energy Reports, 2021, 7, 5175-5202.	2.5	32
46	RUN beyond the metaphor: An efficient optimization algorithm based on Runge Kutta method. Expert Systems With Applications, 2021, 181, 115079.	4.4	552
47	Gradient-based optimization with ranking mechanisms for parameter identification of photovoltaic systems. Energy Reports, 2021, 7, 3979-3997.	2.5	47
48	Boosting quantum rotation gate embedded slime mould algorithm. Expert Systems With Applications, 2021, 181, 115082.	4.4	48
49	Enhanced Harris hawks optimization with multi-strategy for global optimization tasks. Expert Systems With Applications, 2021, 185, 115499.	4.4	42
50	SHADEâ€WOA: A metaheuristic algorithm for global optimization. Applied Soft Computing Journal, 2021, 113, 107866.	4.1	54
51	Elitist non-dominated sorting Harris hawks optimization: Framework and developments for multi-objective problems. Expert Systems With Applications, 2021, 186, 115747.	4.4	33
52	BHGSO: Binary Hunger Games Search Optimization Algorithm for Feature Selection Problem. Computers, Materials and Continua, 2022, 70, 557-579.	1.5	31
53	Random reselection particle swarm optimization for optimal design of solar photovoltaic modules. Energy, 2022, 239, 121865.	4.5	54
54	An efficient binary Gradient-based optimizer for feature selection. Mathematical Biosciences and Engineering, 2021, 18, 3813-3854.	1.0	40

#	ARTICLE	IF	CITATIONS
55	Rolling Element Fault Diagnosis Based on VMD and Sensitivity MCKD. IEEE Access, 2021, 9, 120297-120308.	2.6	105
56	Recent advancements in behavioral testing in rodents. MethodsX, 2021, 8, 101536.	0.7	2
57	A Principal Component Analysis-Boosted Dynamic Gaussian Mixture Clustering Model for Ignition Factors of Brazil's Rainforests. IEEE Access, 2021, 9, 145748-145762.	2.6	2
58	Corn Leaf Diseases Diagnosis Based on K-Means Clustering and Deep Learning. IEEE Access, 2021, 9, 143824-143835.	2.6	53
59	Incorporation of Improved Differential Evolution into Hunger Games Search Algorithm. , 2021, , .		1
60	Optimized functional linked neural network for predicting diaphragm wall deflection induced by braced excavations in clays. Geoscience Frontiers, 2022, 13, 101313.	4.3	30
61	A novel equilibrium optimizer based on levy flight and iterative cosine operator for engineering optimization problems. Expert Systems, 2022, 39, e12843.	2.9	9
62	An Intelligent Tunicate Swarm Algorithm Based MPPT Control Strategy for Multiple Configurations of PV Systems Under Partial Shading Conditions. Advanced Theory and Simulations, 2021, 4, 2100246.	1.3	12
63	OPF of Modern Power Systems Comprising Renewable Energy Sources Using Improved CHGS Optimization Algorithm. Energies, 2021, 14, 6962.	1.6	13
64	Gaussian Barebone Salp Swarm Algorithm with Stochastic Fractal Search for medical image segmentation: A COVID-19 case study. Computers in Biology and Medicine, 2021, 139, 104941.	3.9	36
65	COVID-19 X-ray image segmentation by modified whale optimization algorithm with population reduction. Computers in Biology and Medicine, 2021, 139, 104984.	3.9	69
66	IRKO: An Improved Runge-Kutta Optimization Algorithm for Global Optimization Problems. Computers, Materials and Continua, 2022, 70, 4803-4827.	1.5	26
67	Performance optimization of salp swarm algorithm for multi-threshold image segmentation: Comprehensive study of breast cancer microscopy. Computers in Biology and Medicine, 2021, 139, 105015.	3.9	41
68	Improving Arithmetic Optimization Algorithm Through Modified Opposition-based Learning Mechanism. , 2021, , .		7
69	Diagnosis from CT scan images in complex biological media using deep learning and wave application: a Hunger Games search-based approach. Waves in Random and Complex Media, 0, , 1-25.	1.6	6
70	Parameter estimation of three-diode solar photovoltaic model using an Improved-African Vultures optimization algorithm with Newton-Raphson method. Journal of Computational Electronics, 2021, 20, 2563-2593.	1.3	24
71	Chaotic diffusion-limited aggregation enhanced grey wolf optimizer: Insights, analysis, binarization, and feature selection. International Journal of Intelligent Systems, 2022, 37, 4864-4927.	3.3	29
72	Dispersed foraging slime mould algorithm: Continuous and binary variants for global optimization and wrapper-based feature selection. Knowledge-Based Systems, 2022, 237, 107761.	4.0	115

#	ARTICLE	IF	CITATIONS
73	An efficient cardiovascular disease detection model based on multilayer perceptron and mothâ€flame optimization. Expert Systems, 2022, 39, .	2.9	4
74	Improving Drought Modeling Using Hybrid Random Vector Functional Link Methods. Water (Switzerland), 2021, 13, 3379.	1.2	29
75	A Novel Hybrid Hunger Games Search Algorithm With Differential Evolution for Improving the Behaviors of Non-Cooperative Animals. IEEE Access, 2021, 9, 164188-164205.	2.6	16
76	Chaotic Harris hawks optimization algorithm. Journal of Computational Design and Engineering, 2022, 9, 216-245.	1.5	27
77	Ensemble Pruning of RF via Multi-Objective TLBO Algorithm and Its Parallelization on Spark. IEEE Access, 2021, 9, 158297-158312.	2.6	3
78	A Robust Fractional-Order PID Controller Based Load Frequency Control Using Modified Hunger Games Search Optimizer. Energies, 2022, 15, 361.	1.6	17
79	Multi-Population Enhanced Slime Mould Algorithm and with Application to Postgraduate Employment Stability Prediction. Electronics (Switzerland), 2022, 11, 209.	1.8	13
80	Performance optimization of support vector machine with oppositional grasshopper optimization for acute appendicitis diagnosis. Computers in Biology and Medicine, 2022, 143, 105206.	3.9	57
81	A Complex-Valued Encoding Multichain Seeker Optimization Algorithm for Engineering Problems. Scientific Programming, 2022, 2022, 1-35.	0.5	1
82	Solar photovoltaic model parameter estimation based on orthogonally-adapted gradient-based optimization. Optik, 2022, 252, 168513.	1.4	25
83	A novel structure automatic-determined Fourier extreme learning machine for generalized Blackâ€Scholes partial differential equation. Knowledge-Based Systems, 2022, 238, 107904.	4.0	1
84	Evolving kernel extreme learning machine for medical diagnosis via a disperse foraging sine cosine algorithm. Computers in Biology and Medicine, 2022, 141, 105137.	3.9	63
85	Horizontal and vertical search artificial bee colony for image segmentation of COVID-19 X-ray images. Computers in Biology and Medicine, 2022, 142, 105181.	3.9	55
86	Gradient-based elephant herding optimization for cluster analysis. Applied Intelligence, 2022, 52, 11606-11637.	3.3	7
87	Improving Crisis Events Detection Using DistilBERT with Hunger Games Search Algorithm. Mathematics, 2022, 10, 447.	1.1	24
88	EEG Channel Selection for Person Identification Using Binary Grey Wolf Optimizer. IEEE Access, 2022, 10, 10500-10513.	2.6	16
89	A hybrid geneticâ€firefly algorithm for engineering design problems. Journal of Computational Design and Engineering, 2022, 9, 706-730.	1.5	17
90	A novel modified oppositionâ€based hunger games search algorithm to design fractional order proportionalâ€integralâ€derivative controller for magnetic ball suspension system. Advanced Control for Applications, 2022, 4, .	0.8	17

#	ARTICLE	IF	CITATIONS
91	Directional mutation and crossover for immature performance of whale algorithm with application to engineering optimization. <i>Journal of Computational Design and Engineering</i> , 2022, 9, 519-563.	1.5	23
92	Individual Disturbance and Attraction Repulsion Strategy Enhanced Seagull Optimization for Engineering Design. <i>Mathematics</i> , 2022, 10, 276.	1.1	26
93	Adaptive Barebones Salp Swarm Algorithm with Quasi-oppositional Learning for Medical Diagnosis Systems: A Comprehensive Analysis. <i>Journal of Bionic Engineering</i> , 2022, 19, 240-256.	2.7	16
94	A novel optimization method for wind power investment considering economic and security concerns. <i>Journal of Renewable and Sustainable Energy</i> , 2022, 14, 016301.	0.8	4
95	An improved particle swarm optimization for optimal configuration of standalone photovoltaic scheme components. <i>Energy Science and Engineering</i> , 0, , .	1.9	5
96	Boosting whale optimization with evolution strategy and Gaussian random walks: an image segmentation method. <i>Engineering With Computers</i> , 2023, 39, 1935-1979.	3.5	65
97	Image segmentation of Leaf Spot Diseases on Maize using multi-stage Cauchy-enabled grey wolf algorithm. <i>Engineering Applications of Artificial Intelligence</i> , 2022, 109, 104653.	4.3	76
98	An efficient multilevel thresholding image segmentation method based on the slime mould algorithm with bee foraging mechanism: A real case with lupus nephritis images. <i>Computers in Biology and Medicine</i> , 2022, 142, 105179.	3.9	37
99	Multi-threshold image segmentation using a multi-strategy shuffled frog leaping algorithm. <i>Expert Systems With Applications</i> , 2022, 194, 116511.	4.4	46
100	INFO: An efficient optimization algorithm based on weighted mean of vectors. <i>Expert Systems With Applications</i> , 2022, 195, 116516.	4.4	356
101	JAYA-Optimized Fuzzy Reinforcement Learning Classifier for COVID-19. <i>IETE Journal of Research</i> , 2023, 69, 7314-7325.	1.8	5
102	The Gaussian Mutational Barebone Dragonfly Algorithm: From Design to Analysis. <i>Symmetry</i> , 2022, 14, 331.	1.1	4
103	Snake Optimizer: A novel meta-heuristic optimization algorithm. <i>Knowledge-Based Systems</i> , 2022, 242, 108320.	4.0	317
104	A Bio-Inspired Method for Mathematical Optimization Inspired by Arachnida Salticidade. <i>Mathematics</i> , 2022, 10, 102.	1.1	24
105	Grasshopper Optimization Algorithm With Crossover Operators for Feature Selection and Solving Engineering Problems. <i>IEEE Access</i> , 2022, 10, 23304-23320.	2.6	16
106	Performance optimization of annealing salp swarm algorithm: frameworks and applications for engineering design. <i>Journal of Computational Design and Engineering</i> , 2022, 9, 633-669.	1.5	15
107	An improved remora optimization algorithm with autonomous foraging mechanism for global optimization problems. <i>Mathematical Biosciences and Engineering</i> , 2022, 19, 3994-4037.	1.0	22
108	MHGSO: A Modified Hunger Game Search Optimizer Using Opposition-Based Learning for Feature Selection. <i>Lecture Notes in Networks and Systems</i> , 2022, , 41-52.	0.5	1

#	ARTICLE	IF	CITATIONS
109	War Strategy Optimization Algorithm: A New Effective Metaheuristic Algorithm for Global Optimization. IEEE Access, 2022, 10, 25073-25105.	2.6	134
110	A Discrete Moth-Flame Optimization With an $L_2$ -Norm Constraint for Network Clustering. IEEE Transactions on Network Science and Engineering, 2022, 9, 1776-1788.	4.1	3
111	An Optimized Framework for Breast Cancer Classification Using Machine Learning. BioMed Research International, 2022, 2022, 1-18.	0.9	27
112	Self-updating continual learning classification method based on artificial immune system. Applied Intelligence, 2022, 52, 12817-12843.	3.3	7
113	An Effective Feature Selection Model Using Hybrid Metaheuristic Algorithms for IoT Intrusion Detection. Sensors, 2022, 22, 1396.	2.1	63
114	Hybrid Aquila optimizer with arithmetic optimization algorithm for global optimization tasks. Soft Computing, 2022, 26, 4863-4881.	2.1	77
115	SC-Dynamic R-CNN: A Self-Calibrated Dynamic R-CNN Model for Lung Cancer Lesion Detection. Computational and Mathematical Methods in Medicine, 2022, 2022, 1-9.	0.7	9
116	Hybrid arithmetic optimization algorithm with hunger games search for global optimization. Multimedia Tools and Applications, 2022, 81, 28755-28778.	2.6	25
117	A Novel Intelligent Inversion Method of Hydrogeological Parameters Based on the Disturbance-Inspired Equilibrium Optimizer. Sustainability, 2022, 14, 3267.	1.6	6
118	Random Replacement Crisscross Butterfly Optimization Algorithm for Standard Evaluation of Overseas Chinese Associations. Electronics (Switzerland), 2022, 11, 1080.	1.8	4
119	A Cloud-Based System for the Optical Monitoring of Tool Conditions during Milling through the Detection of Chip Surface Size and Identification of Cutting Force Trends. Processes, 2022, 10, 671.	1.3	6
120	An effective deep learning method with multi-feature and attention mechanism for recognition of Chinese rice variety information. Multimedia Tools and Applications, 2022, 81, 15725-15745.	2.6	7
121	Parameter identification of photovoltaic models using a sine cosine differential gradient based optimizer. IET Renewable Power Generation, 2022, 16, 1535-1561.	1.7	20
122	A novel arithmetic optimization algorithm based on chaotic maps for global optimization. Evolutionary Intelligence, 2023, 16, 981-996.	2.3	14
123	Chaotic slime mould algorithm for economic load dispatch problems. Applied Intelligence, 2022, 52, 15325-15344.	3.3	14
124	Hybrid models based on deep learning neural network and optimization algorithms for the spatial prediction of tropical forest fire susceptibility in Nghe An province, Vietnam. Geocarto International, 2022, 37, 11281-11305.	1.7	11
125	A boosted chimp optimizer for numerical and engineering design optimization challenges. Engineering With Computers, 2023, 39, 2463-2514.	3.5	12
126	Gaussian kernel probability-driven slime mould algorithm with new movement mechanism for multi-level image segmentation. Measurement: Journal of the International Measurement Confederation, 2022, 192, 110884.	2.5	30



#	ARTICLE	IF	CITATIONS
127	Augmented hunger games search algorithm using logarithmic spiral opposition-based learning for function optimization and controller design. Journal of King Saud University, Engineering Sciences, 2022, , .	1.2	19
128	Boosting chameleon swarm algorithm with consumption AEO operator for global optimization and feature selection. Knowledge-Based Systems, 2022, 246, 108743.	4.0	33
129	Hunger games search algorithm for global optimization of engineering design problems. Materialpruefung/Materials Testing, 2022, 64, 524-532.	0.8	33
130	EBPSO: Enhanced binary particle swarm optimization for cardiac disease classification with feature selection. Expert Systems, 2022, 39, .	2.9	4
131	An improved spider optimization algorithm coordinated by pheromones. Scientific Reports, 2022, 12, 5962.	1.6	1
132	Advanced orthogonal opposition-based learning-driven dynamic salp swarm algorithm: Framework and case studies. IET Control Theory and Applications, 2022, 16, 945-971.	1.2	14
133	Hybrid leader based optimization: a new stochastic optimization algorithm for solving optimization applications. Scientific Reports, 2022, 12, 5549.	1.6	22
134	Chaotic simulated annealing multi-verse optimization enhanced kernel extreme learning machine for medical diagnosis. Computers in Biology and Medicine, 2022, 144, 105356.	3.9	14
135	A hybrid Grasshopper Optimization Algorithm and Harris Hawks Optimizer for Combined Heat and Power Economic Dispatch problem. Engineering Applications of Artificial Intelligence, 2022, 111, 104753.	4.3	42
136	Lupus nephritis diagnosis using enhanced moth flame algorithm with support vector machines. Computers in Biology and Medicine, 2022, 145, 105435.	3.9	18
137	Nodes clustering and multi-hop routing protocol optimization using hybrid chimp optimization and hunger games search algorithms for sustainable energy efficient underwater wireless sensor networks. Sustainable Computing: Informatics and Systems, 2022, 35, 100731.	1.6	9
138	Ranked Hunger Games Search Algorithms with Gaussian Distribution-based Fitness Distance Balance Strategy. , 2021, , .		1
139	Improved Sparrow Search Algorithm Based on Iterative Local Search. Computational Intelligence and Neuroscience, 2021, 2021, 1-31.	1.1	35
140	<scp>Deep</scp> long and short term memory based Red Fox optimization algorithm for diabetic retinopathy detection and classification. International Journal for Numerical Methods in Biomedical Engineering, 2022, 38, e3560.	1.0	11
141	Optimal Planning of Microgrids Including Charging Stations and Renewable Energy Sources. , 2021, , .		1
142	Improving 3D Path Tracking of Unmanned Aerial Vehicles through Optimization of Compensated PD and PID Controllers. Applied Sciences (Switzerland), 2022, 12, 99.	1.3	5
143	Detecting attacks on <scp>IoT</scp> devices with probabilistic Bayesian neural networks and hunger games search optimization approaches. Transactions on Emerging Telecommunications Technologies, 2022, 33, .	2.6	6
144	An Enhanced Slime Mould Algorithm and Its Application for Digital IIR Filter Design. Discrete Dynamics in Nature and Society, 2021, 2021, 1-23.	0.5	13

#	ARTICLE	IF	CITATIONS
145	Chaotic Enhanced Genetic Algorithm for Solving the Nonlinear System of Equations. Computational Intelligence and Neuroscience, 2022, 2022, 1-13.	1.1	1
146	An effective chronic lymphocytic leukemia detection method using hybrid optimization aware random multimodal deep learning. Concurrency Computation Practice and Experience, 0, , .	1.4	2
147	Elite Directed Particle Swarm Optimization with Historical Information for High-Dimensional Problems. Mathematics, 2022, 10, 1384.	1.1	14
148	A Cox Proportional-Hazards Model Based on an Improved Aquila Optimizer with Whale Optimization Algorithm Operators. Mathematics, 2022, 10, 1273.	1.1	12
149	Enhancing the contrast of the grey-scale image based on meta-heuristic optimization algorithm. Soft Computing, 2022, 26, 6293-6315.	2.1	6
150	Triple Pseudo-Siamese network with hybrid attention mechanism for welding defect detection. Materials and Design, 2022, 217, 110645.	3.3	9
151	An optimized machine learning framework for predicting intradialytic hypotension using indexes of chronic kidney disease-mineral and bone disorders. Computers in Biology and Medicine, 2022, 145, 105510.	3.9	30
152	A velocity-based butterfly optimization algorithm for high-dimensional optimization and feature selection. Expert Systems With Applications, 2022, 201, 117217.	4.4	25
153	Opposition-based ant colony optimization with all-dimension neighborhood search for engineering design. Journal of Computational Design and Engineering, 2022, 9, 1007-1044.	1.5	20
154	Chaotic Fruit Fly Algorithm for Solving Engineering Design Problems. Complexity, 2022, 2022, 1-19.	0.9	5
155	Differential Human Learning Optimization Algorithm. Computational Intelligence and Neuroscience, 2022, 2022, 1-19.	1.1	1
156	Salp swarm algorithm based on golden section and adaptive and its application in target tracking. IET Image Processing, 2022, 16, 2321-2337.	1.4	3
157	Constraint estimation in three-diode solar photovoltaic model using Gaussian and Cauchy mutation-based hunger games search optimizer and enhanced Newton-Raphson method. IET Renewable Power Generation, 2022, 16, 1733-1772.	1.7	22
158	Fault Diagnosis of Tennessee Eastman Process with XGB-AVSSA-KELM Algorithm. Energies, 2022, 15, 3198.	1.6	8
159	Improved Hypercube Optimisation Search Algorithm for Optimisation of High Dimensional Functions. Mathematical Problems in Engineering, 2022, 2022, 1-13.	0.6	1
160	Equalized Grey Wolf Optimizer with Refraction Opposite Learning. Computational Intelligence and Neuroscience, 2022, 2022, 1-18.	1.1	5
161	Optimal allocation of distributed generation with the presence of photovoltaic and battery energy storage system using improved barnacles mating optimizer. Energy Science and Engineering, 2022, 10, 2970-3000.	1.9	2
162	Quantum Nelder-Mead Hunger Games Search for optimizing photovoltaic solar cells. International Journal of Energy Research, 2022, 46, 12417-12466.	2.2	16

#	ARTICLE	IF	CITATIONS
163	An improved group teaching optimization algorithm based on local search and chaotic map for feature selection in high-dimensional data. <i>Expert Systems With Applications</i> , 2022, 204, 117493.	4.4	13
164	An Improved Self-Adaptive Differential Evolution with the Neighborhood Search Algorithm for Global Optimization of Bimetallic Clusters. <i>Journal of Chemical Information and Modeling</i> , 2022, 62, 2398-2408.	2.5	2
165	Tool for Predicting College Student Career Decisions: An Enhanced Support Vector Machine Framework. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 4776.	1.3	6
166	An efficient rotational direction heap-based optimization with orthogonal structure for medical diagnosis. <i>Computers in Biology and Medicine</i> , 2022, 146, 105563.	3.9	9
167	TOD-CNN: An effective convolutional neural network for tiny object detection in sperm videos. <i>Computers in Biology and Medicine</i> , 2022, 146, 105543.	3.9	23
168	Multi-strategy ensemble binary hunger games search for feature selection. <i>Knowledge-Based Systems</i> , 2022, 248, 108787.	4.0	34
169	A majorityâ€“minority cellular automata algorithm for global optimization. <i>Expert Systems With Applications</i> , 2022, 203, 117379.	4.4	5
170	Improved Sparrow Algorithm Based on Game Predatory Mechanism and Suicide Mechanism. <i>Computational Intelligence and Neuroscience</i> , 2022, 2022, 1-23.	1.1	4
171	An efficient feature selection method based on improved elephant herding optimization to classify highâ€“dimensional biomedical data. <i>Expert Systems</i> , 2022, 39, .	2.9	4
172	An efficient Planet Optimization Algorithm for solving engineering problems. <i>Scientific Reports</i> , 2022, 12, 8362.	1.6	34
173	Velocity clamping-assisted adaptive salp swarm algorithm: balance analysis and case studies. <i>Mathematical Biosciences and Engineering</i> , 2022, 19, 7756-7804.	1.0	13
174	Parameter optimization of shared electric vehicle dispatching model using discrete Harris hawks optimization. <i>Mathematical Biosciences and Engineering</i> , 2022, 19, 7284-7313.	1.0	2
175	Multilevel threshold image segmentation for COVID-19 chest radiography: A framework using horizontal and vertical multiverse optimization. <i>Computers in Biology and Medicine</i> , 2022, 146, 105618.	3.9	101
176	Multi-Objective Particle Swarm Optimization with Multi-Archiving Strategy. <i>Scientific Programming</i> , 2022, 2022, 1-21.	0.5	1
177	An improved Harris Hawks Optimization algorithm for continuous and discrete optimization problems. <i>Engineering Applications of Artificial Intelligence</i> , 2022, 113, 104952.	4.3	10
178	Multi-Swarm Algorithm for Extreme Learning Machine Optimization. <i>Sensors</i> , 2022, 22, 4204.	2.1	33
179	Multistrategy Improved Whale Optimization Algorithm and Its Application. <i>Computational Intelligence and Neuroscience</i> , 2022, 2022, 1-16.	1.1	9
180	Improving Parameter Estimation of Fuel Cell Using Honey Badger Optimization Algorithm. <i>Frontiers in Energy Research</i> , 0, 10, .	1.2	10

#	ARTICLE	IF	CITATIONS
181	Stochastic configuration network based on improved whale optimization algorithm for nonstationary time series prediction. <i>Journal of Forecasting</i> , 2022, 41, 1458-1482.	1.6	6
182	Bearing Fault Classification Using Improved Antlion Optimizer and Extreme Learning Machine. <i>Advances in Materials Science and Engineering</i> , 2022, 2022, 1-18.	1.0	0
183	A Multimixed Strategy Improved Sparrow Search Algorithm and Its Application in TSP. <i>Mathematical Problems in Engineering</i> , 2022, 2022, 1-26.	0.6	0
184	High-accuracy wearable detection of freezing of gait in Parkinson's disease based on pseudo-multimodal features. <i>Computers in Biology and Medicine</i> , 2022, 146, 105629.	3.9	6
185	Medical Image Classification Utilizing Ensemble Learning and Levy Flight-Based Honey Badger Algorithm on 6G-Enabled Internet of Things. <i>Computational Intelligence and Neuroscience</i> , 2022, 2022, 1-17.	1.1	22
186	Variations in 2D and 3D Models by a New Family of Subdivision Schemes and Algorithms for its Analysis. <i>Mathematical Problems in Engineering</i> , 2022, 2022, 1-18.	0.6	2
187	Improved salp swarm algorithm combined with chaos. <i>Mathematics and Computers in Simulation</i> , 2022, 202, 113-148.	2.4	18
188	Effective heart disease prediction with Grey-wolf with Firefly algorithm-differential evolution (GF-DE) for feature selection and weighted ANN classification. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2022, 25, 1409-1427.	0.9	5
189	Multi-strategy Slime Mould Algorithm for hydropower multi-reservoir systems optimization. <i>Knowledge-Based Systems</i> , 2022, 250, 109048.	4.0	14
190	A novel hybrid improved hunger games search optimizer with extreme learning machine for predicting shrinkage of SLS parts. <i>Journal of Intelligent and Fuzzy Systems</i> , 2022, 43, 5643-5659.	0.8	2
191	LDN-RC: a lightweight denoising network with residual connection to improve adversarial robustness. <i>Applied Intelligence</i> , 0, , .	3.3	1
192	Cross-Tissue Analysis Using Machine Learning to Identify Novel Biomarkers for Knee Osteoarthritis. <i>Computational and Mathematical Methods in Medicine</i> , 2022, 2022, 1-21.	0.7	1
193	Impacts of Workâ€‘Family Culture on Employee Job Performance in Achieving Sustainable Development Goals. <i>Sustainability</i> , 2022, 14, 7003.	1.6	0
194	Mobile Robot Path Planning Based on Improved Coyote Optimization Algorithm. <i>Mathematical Problems in Engineering</i> , 2022, 2022, 1-14.	0.6	0
195	A new indexâ€‘based hyperâ€‘heuristic algorithm for global optimisation problems. <i>IET Software</i> , 0, , .	1.5	0
196	Boosted machine learning model for predicting intradialytic hypotension using serum biomarkers of nutrition. <i>Computers in Biology and Medicine</i> , 2022, 147, 105752.	3.9	7
198	Boosted Sine Cosine Algorithm with Application to Medical Diagnosis. <i>Computational and Mathematical Methods in Medicine</i> , 2022, 2022, 1-21.	0.7	3
199	An alternative computational optimization technique to solve linear and nonlinear Diophantine equations using discrete WQPSO algorithm. <i>Soft Computing</i> , 2022, 26, 12531-12544.	2.1	2

#	ARTICLE	IF	CITATIONS
201	Fractional-Order Boosted Jellyfish Search Optimizer with Gaussian Mutation for Income Forecast of Rural Resident. Computational Intelligence and Neuroscience, 2022, 2022, 1-38.	1.1	2
202	An adaptive interval power forecasting method for photovoltaic plant and its optimization. Sustainable Energy Technologies and Assessments, 2022, 52, 102360.	1.7	5
203	Classifying colour differences in dyed fabrics using an improved hunger games search optimised random vector functional link. Journal of Engineered Fibers and Fabrics, 2022, 17, 155892502211115.	0.5	3
204	Optimal design of model predictive controller based on transient search optimization applied to robotic manipulators. Mathematical Biosciences and Engineering, 2022, 19, 9371-9387.	1.0	1
205	Optimization Algorithms Surpassing Metaphor. Studies in Computational Intelligence, 2022, , 3-33.	0.7	1
207	The COVID-19 Images Classification by MobileNetV3 and Enhanced Sine Cosine Metaheuristics. Lecture Notes on Data Engineering and Communications Technologies, 2022, , 937-950.	0.5	9
208	Green closed-loop supply chain optimization strategy considering CER and incentive-compatibility theory under uncertainty. Mathematical Biosciences and Engineering, 2022, 19, 9520-9549.	1.0	0
211	Optimization of inerter system for seismic response control based on a modified genetic algorithm with differential crossover strategy. Advances in Mechanical Engineering, 2022, 14, 168781322211062.	0.8	1
212	Application of Improved Manta Ray Foraging Optimization Algorithm in Coverage Optimization of Wireless Sensor Networks. Computational Intelligence and Neuroscience, 2022, 2022, 1-19.	1.1	2
213	The analysis and re-optimization of food systems by using intelligent optimization algorithms and machine learning. International Journal of Transgender Health, 2022, 15, 656-677.	1.1	1
214	Hunger Games Search Algorithm for Model Order Reduction of Gas Turbine Power Plants. , 2022, , .		0
215	Intelligent Optimization of Tower Crane Location and Layout Based on Firefly Algorithm. Computational Intelligence and Neuroscience, 2022, 2022, 1-13.	1.1	0
216	Directional mutation and crossover boosted ant colony optimization with application to COVID-19 X-ray image segmentation. Computers in Biology and Medicine, 2022, 148, 105810.	3.9	130
217	Medical Image Classification Using Transfer Learning and Chaos Game Optimization on the Internet of Medical Things. Computational Intelligence and Neuroscience, 2022, 2022, 1-22.	1.1	11
218	Differential Evolution-Boosted Sine Cosine Golden Eagle Optimizer with Lévy Flight. Journal of Bionic Engineering, 2022, 19, 1850-1885.	2.7	15
219	Modified spider monkey optimization algorithm based feature selection and probabilistic neural network classifier in face recognition. Expert Systems, 2023, 40, .	2.9	4
220	An Improved Reptile Search Algorithm Based on Lévy Flight and Interactive Crossover Strategy to Engineering Application. Mathematics, 2022, 10, 2329.	1.1	12
221	A novel compact fireworks algorithm for solving ontology meta-matching. Applied Intelligence, 0, , .	3.3	1

#	ARTICLE	IF	CITATIONS
222	Predicting Entrepreneurial Intention of Students: Kernel Extreme Learning Machine with Boosted Crow Search Algorithm. Applied Sciences (Switzerland), 2022, 12, 6907.	1.3	3
223	Island neighboring heuristics harmony search algorithm for flow shop scheduling with blocking. Swarm and Evolutionary Computation, 2022, 74, 101127.	4.5	9
224	A Hybrid Moth Flame Optimization Algorithm for Global Optimization. Journal of Bionic Engineering, 2022, 19, 1522-1543.	2.7	31
225	Multi-strategies Boosted Mutative Crow Search Algorithm for Global Tasks: Cases of Continuous and Discrete Optimization. Journal of Bionic Engineering, 2022, 19, 1830-1849.	2.7	17
226	Synchronized voltage-frequency regulation in sustainable microgrid using novel Green Leaf-hopper Flame optimization. Sustainable Energy Technologies and Assessments, 2022, 52, 102349.	1.7	5
227	Parameter estimation of static solar photovoltaic models using Laplacian Nelder-Mead hunger games search. Solar Energy, 2022, 242, 79-104.	2.9	22
228	Enhanced whale optimization algorithm for medical feature selection: A COVID-19 case study. Computers in Biology and Medicine, 2022, 148, 105858.	3.9	117
229	Simulated annealing-based dynamic step shuffled frog leaping algorithm: Optimal performance design and feature selection. Neurocomputing, 2022, 503, 325-362.	3.5	68
230	Improved SNS algorithm with high exploitative strategy for dynamic combined heat and power dispatch in co-generation systems. Energy Reports, 2022, 8, 8857-8873.	2.5	7
231	A novel improved version of hunger games search algorithm for function optimization and efficient controller design of buck converter system. E-Prime, 2022, 2, 100039.	2.1	19
232	An Integrated Approach Fusing CEEMD Energy Entropy and Sparrow Search Algorithm-Based PNN for Fault Diagnosis of Rolling Bearings. Computational Intelligence and Neuroscience, 2022, 2022, 1-19.	1.1	3
233	Forecasting PM <sub>2.5</sub> emissions in open-pit mines using a functional link neural network optimized by various optimization algorithms. Mining Science and Technology(Russian) Tj ETQq1 1 0.784314 rgBT /Overlock	1.4	1
234	A smooth path planning method for mobile robot using a BES-incorporated modified QPSO algorithm. Expert Systems With Applications, 2022, 208, 118256.	4.4	17
235	Circulatory System Based Optimization (CSBO): an expert multilevel biologically inspired meta-heuristic algorithm. Engineering Applications of Computational Fluid Mechanics, 2022, 16, 1483-1525.	1.5	10
236	Synthesis of Concentric Circular Antenna Array Using Whale Optimization Algorithm. IETE Journal of Research, 0, , 1-20.	1.8	4
237	A Novel Ensemble of Arithmetic Optimization Algorithm and Harris Hawks Optimization for Solving Industrial Engineering Optimization Problems. Machines, 2022, 10, 602.	1.2	3
238	Evaluation Standards of Intelligent Technology based on Financial Alternative Data. Journal of Innovation & Knowledge, 2022, 7, 100229.	7.3	8
239	A semantic and intelligent focused crawler based on semantic vector space model and membrane computing optimization algorithm. Applied Intelligence, 2023, 53, 7390-7407.	3.3	2

#	ARTICLE	IF	CITATIONS
240	Individual disturbance and neighborhood mutation search enhanced whale optimization: performance design for engineering problems. <i>Journal of Computational Design and Engineering</i> , 2022, 9, 1817-1851.	1.5	8
241	Frequency control of hybrid microgrid comprising solid oxide fuel cell using hunger games search. <i>Neural Computing and Applications</i> , 0, , .	3.2	1
242	Advanced orthogonal learning and Gaussian barebone hunger games for engineering design. <i>Journal of Computational Design and Engineering</i> , 2022, 9, 1699-1736.	1.5	15
243	Mutational Slime Mould Algorithm for Gene Selection. <i>Biomedicines</i> , 2022, 10, 2052.	1.4	5
244	Boosting k-means clustering with symbiotic organisms search for automatic clustering problems. <i>PLoS ONE</i> , 2022, 17, e0272861.	1.1	8
245	Multi-strategy boosted marine predators algorithm for optimizing approximate developable surface. <i>Knowledge-Based Systems</i> , 2022, 254, 109615.	4.0	11
246	A Nelder Mead-infused INFO algorithm for optimization of mechanical design problems. <i>Materialpruefung/Materials Testing</i> , 2022, 64, 1172-1182.	0.8	13
247	Construct and Validate a Predictive Model for Surgical Site Infection after Posterior Lumbar Interbody Fusion Based on Machine Learning Algorithm. <i>Computational and Mathematical Methods in Medicine</i> , 2022, 2022, 1-11.	0.7	2
248	A Hybrid Algorithm Based Static Model Updating Method and Its Application to Spacecraft. <i>Advances in Materials Science and Engineering</i> , 2022, 2022, 1-12.	1.0	0
249	Extremal Nelderâ€™Mead colony predation algorithm for parameter estimation of solar photovoltaic models. <i>Energy Science and Engineering</i> , 2022, 10, 4176-4219.	1.9	1
250	Laplace crossover and random replacement strategy boosted Harris Hawks optimization: performance optimization and analysis. <i>Journal of Computational Design and Engineering</i> , 0, , .	1.5	7
251	Enhanced Gaussian bare-bones grasshopper optimization: Mitigating the performance concerns for feature selection. <i>Expert Systems With Applications</i> , 2023, 212, 118642.	4.4	12
252	Dynamic elite strategy mayfly algorithm. <i>PLoS ONE</i> , 2022, 17, e0273155.	1.1	2
253	A novel whale optimization algorithm of path planning strategy for mobile robots. <i>Applied Intelligence</i> , 2023, 53, 10843-10857.	3.3	13
254	SLT-Net: A codec network for skin lesion segmentation. <i>Computers in Biology and Medicine</i> , 2022, 148, 105942.	3.9	7
255	Staticâ€™Dynamic coordinated Transformer for Tumor Longitudinal Growth Prediction. <i>Computers in Biology and Medicine</i> , 2022, 148, 105922.	3.9	4
256	Multi-level thresholding segmentation for pathological images: Optimal performance design of a new modified differential evolution. <i>Computers in Biology and Medicine</i> , 2022, 148, 105910.	3.9	26
257	Improved interconnected power system frequency regulation by coordinated control of optimised hy_FO based VFT and type-2 fuzzy-based FES. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 53, 102572.	1.7	2

#	ARTICLE	IF	CITATIONS
258	Improved honey badger algorithms for parameter extraction in photovoltaic models. <i>Optik</i> , 2022, 268, 169731.	1.4	16
259	Energy consumption prediction of air-conditioning systems in eco-buildings using hunger games search optimization-based artificial neural network model. <i>Journal of Building Engineering</i> , 2022, 59, 105087.	1.6	10
260	Mitigating mismatch power loss of series-parallel and total-cross-tied array configurations using novel enhanced heterogeneous hunger games search optimizer. <i>Energy Reports</i> , 2022, 8, 9805-9827.	2.5	6
261	Optimal energy management system for residential buildings considering the time of use price with swarm intelligence algorithms. <i>Journal of Building Engineering</i> , 2022, 59, 105062.	1.6	17
262	Spiral Gaussian mutation sine cosine algorithm: Framework and comprehensive performance optimization. <i>Expert Systems With Applications</i> , 2022, 209, 118372.	4.4	19
263	Extreme learning machine evolved by fuzzified hunger games search for energy and individual thermal comfort optimization. <i>Journal of Building Engineering</i> , 2022, 60, 105187.	1.6	8
264	Can the global optimum of a combinatorial optimization problem be reliably estimated through extreme value theory?. <i>Swarm and Evolutionary Computation</i> , 2022, 75, 101172.	4.5	3
265	Online distributed evolutionary optimization of Time Division Multiple Access protocols. <i>Expert Systems With Applications</i> , 2023, 211, 118627.	4.4	3
266	Enhanced Aquila optimizer algorithm for global optimization and constrained engineering problems. <i>Mathematical Biosciences and Engineering</i> , 2022, 19, 14173-14211.	1.0	29
267	Improved Grey Wolf Optimizer Tuned Active Disturbance Rejection Control for Ship Heading. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2023, 70, 680-684.	2.2	3
268	Energy and Trust Efficient Cluster Head Selection in Wireless Sensor Networks Under Meta-Heuristic Model. <i>Lecture Notes in Networks and Systems</i> , 2022, , 715-735.	0.5	1
269	IHAOAVOA: An improved hybrid aquila optimizer and African vultures optimization algorithm for global optimization problems. <i>Mathematical Biosciences and Engineering</i> , 2022, 19, 10963-11017.	1.0	21
270	Mortality prediction of COVID-19 patients using soft voting classifier. <i>International Journal of Cognitive Computing in Engineering</i> , 2022, 3, 172-179.	5.5	7
271	Improved Harris hawks optimization for non-convex function optimization and design optimization problems. <i>Mathematics and Computers in Simulation</i> , 2023, 204, 619-639.	2.4	10
272	A New Gradient Approach Based on Reproducing Kernel Applied in Metaheuristic optimization. , 2022, , .		0
273	Comparative Study and Improvement Analysis of Sparrow Search Algorithm. <i>Wireless Communications and Mobile Computing</i> , 2022, 2022, 1-15.	0.8	11
274	Enhanced Salp Swarm Algorithm for Optimizing the Shape of Developable BÄzier-Like Surfaces. <i>Mathematical Problems in Engineering</i> , 2022, 2022, 1-30.	0.6	0
275	A Deep Fusion Model For Automated Industrial Iot Cyber Attack Detection And Mitigation. <i>International Journal of Electrical &amp; Electronics Research</i> , 2022, 10, 604-613.	1.0	0



#	ARTICLE	IF	CITATIONS
276	Enhanced Moth-flame Optimizer with Quasi-Reflection and Refraction Learning with Application to Image Segmentation and Medical Diagnosis. <i>Current Bioinformatics</i> , 2023, 18, 109-142.	0.7	4
277	Adaptive guided salp swarm algorithm with velocity clamping mechanism for solving optimization problems. <i>Journal of Computational Design and Engineering</i> , 2022, 9, 2196-2234.	1.5	9
278	Addressing constrained engineering problems and feature selection with a time-based leadership salp-based algorithm with competitive learning. <i>Journal of Computational Design and Engineering</i> , 2022, 9, 2235-2270.	1.5	9
279	Equalization Optimizer-Based LSTM Application in Reservoir Identification. <i>Computational Intelligence and Neuroscience</i> , 2022, 2022, 1-20.	1.1	0
280	A multistrategy hybrid adaptive whale optimization algorithm. <i>Journal of Computational Design and Engineering</i> , 2022, 9, 1952-1973.	1.5	6
281	Structural design with dynamic constraints using weighted chaos game optimization. <i>Journal of Computational Design and Engineering</i> , 2022, 9, 2271-2296.	1.5	7
282	Scalable feature subset selection for big data using parallel hybrid evolutionary algorithm based wrapper under apache spark environment. <i>Cluster Computing</i> , 2023, 26, 1949-1983.	3.5	1
283	Research on multi-modal autonomous diagnosis algorithm of COVID-19 based on whale optimized support vector machine and improved D-S evidence fusion. <i>Computers in Biology and Medicine</i> , 2022, 150, 106181.	3.9	6
284	Information sharing search boosted whale optimizer with Nelder-Mead simplex for parameter estimation of photovoltaic models. <i>Energy Conversion and Management</i> , 2022, 270, 116246.	4.4	21
285	Double Mutational Salp Swarm Algorithm: From Optimal Performance Design to Analysis. <i>Journal of Bionic Engineering</i> , 2023, 20, 184-211.	2.7	6
286	A machine learning framework for identifying influenza pneumonia from bacterial pneumonia for medical decision making. <i>Journal of Computational Science</i> , 2022, 65, 101871.	1.5	6
287	The Technology-Oriented Pathway for Auxiliary Diagnosis in the Digital Health Age: A Self-Adaptive Disease Prediction Model. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 12509.	1.2	3
288	Coati Optimization Algorithm: A new bio-inspired metaheuristic algorithm for solving optimization problems. <i>Knowledge-Based Systems</i> , 2023, 259, 110011.	4.0	126
289	Multi-Strategy Learning Boosted Colony Predation Algorithm for Photovoltaic Model Parameter Identification. <i>Sensors</i> , 2022, 22, 8281.	2.1	5
290	Boosting Slime Mould Algorithm for High-Dimensional Gene Data Mining: Diversity Analysis and Feature Selection. <i>Computational and Mathematical Methods in Medicine</i> , 2022, 2022, 1-27.	0.7	3
291	Opposition-based sine cosine optimizer utilizing refraction learning and variable neighborhood search for feature selection. <i>Applied Intelligence</i> , 2023, 53, 13224-13260.	3.3	14
292	Novel hybrid machine learning models including support vector machine with meta-heuristic algorithms in predicting unconfined compressive strength of organic soils stabilised with cement and lime. <i>International Journal of Pavement Engineering</i> , 2023, 24, .	2.2	4
293	Dingo Optimization Based Cluster Based Routing in Internet of Things. <i>Sensors</i> , 2022, 22, 8064.	2.1	6

#	ARTICLE	IF	CITATIONS
294	Optimized adaptive neuro-fuzzy inference system for predicting blast-induced ground vibration in quarries based on hunger games search optimization. <i>International Journal of Mining, Reclamation and Environment</i> , 2022, 36, 724-748.	1.2	7
295	An Improved Sea Lion Optimization for Workload Elasticity Prediction with Neural Networks. <i>International Journal of Computational Intelligence Systems</i> , 2022, 15, .	1.6	6
296	A Slime Mould Algorithm Programming for Solving Single and Multi-Objective Optimal Power Flow Problems with Pareto Front Approach: A Case Study of the Iraqi Super Grid High Voltage. <i>Energies</i> , 2022, 15, 7473.	1.6	14
297	Boosted Backtracking Search Optimization with Information Exchange for Photovoltaic System Evaluation. <i>Energy Science and Engineering</i> , 0, , .	1.9	2
298	SemiACO: A semi-supervised feature selection based on ant colony optimization. <i>Expert Systems With Applications</i> , 2023, 214, 119130.	4.4	28
299	Prediction of thermal conductivity of granitic rock: an application of arithmetic and salp swarm algorithms optimized ANN. <i>Earth Science Informatics</i> , 0, , .	1.6	0
300	A Novel Multistrategy-Based Differential Evolution Algorithm and Its Application. <i>Electronics (Switzerland)</i> , 2022, 11, 3476.	1.8	3
301	Directional crossover slime mould algorithm with adaptive Lévy diversity for the optimal design of real-world problems. <i>Journal of Computational Design and Engineering</i> , 0, , .	1.5	4
302	A horizontal and vertical crossover cuckoo search: optimizing performance for the engineering problems. <i>Journal of Computational Design and Engineering</i> , 2023, 10, 36-64.	1.5	7
303	An efficient multi-threshold image segmentation for skin cancer using boosting whale optimizer. <i>Computers in Biology and Medicine</i> , 2022, 151, 106227.	3.9	13
304	QoS correlation-based service composition algorithm for multi-constraint optimal path selection. <i>Cluster Computing</i> , 0, , .	3.5	0
305	Intradialytic hypotension prediction using covariance matrix-driven whale optimizer with orthogonal structure-assisted extreme learning machine. <i>Frontiers in Neuroinformatics</i> , 0, 16, .	1.3	3
306	Fuzzy-based hunger games search algorithm for global optimization and feature selection using medical data. <i>Neural Computing and Applications</i> , 2023, 35, 5251-5275.	3.2	14
307	Horizontal and vertical crossover of sine cosine algorithm with quick moves for optimization and feature selection. <i>Journal of Computational Design and Engineering</i> , 2022, 9, 2524-2555.	1.5	6
308	Multi-threshold image segmentation for melanoma based on Kapur's entropy using enhanced ant colony optimization. <i>Frontiers in Neuroinformatics</i> , 0, 16, .	1.3	6
309	TransCUNet: UNet cross fused transformer for medical image segmentation. <i>Computers in Biology and Medicine</i> , 2022, 150, 106207.	3.9	10
310	Optimal identification of model parameters for PEMFCs using neoteric metaheuristic methods. <i>IET Renewable Power Generation</i> , 2023, 17, 659-680.	1.7	2
311	An evaluation model for children's foot & ankle deformity severity using sparse multi-objective feature selection algorithm. <i>Computers in Biology and Medicine</i> , 2022, 151, 106229.	3.9	6

#	ARTICLE	IF	CITATIONS
312	A novel minimum generalized cross entropy-based multilevel segmentation technique for the brain MRI/dermoscopic images. Computers in Biology and Medicine, 2022, 151, 106214.	3.9	8
313	Economical operation of modern power grids incorporating uncertainties of renewable energy sources and load demand using the adaptive fitness-distance balance-based stochastic fractal search algorithm. Engineering Applications of Artificial Intelligence, 2023, 117, 105501.	4.3	20
314	Optimal parameters extracting of fuel cell based on Gorilla Troops Optimizer. Fuel, 2023, 332, 126162.	3.4	12
315	Performance optimization of water cycle algorithm for multilevel lupus nephritis image segmentation. Biomedical Signal Processing and Control, 2023, 80, 104139.	3.5	5
316	A Kalman filter-based prediction strategy for multiobjective multitasking optimization. Expert Systems With Applications, 2023, 213, 119025.	4.4	5
317	An adaptive quadratic interpolation and rounding mechanism sine cosine algorithm with application to constrained engineering optimization problems. Expert Systems With Applications, 2023, 213, 119041.	4.4	33
318	Boosted crow search algorithm for handling multi-threshold image problems with application to X-ray images of COVID-19. Expert Systems With Applications, 2023, 213, 119095.	4.4	12
319	Improved sparrow search algorithm based on normal cloud model and niche recombination strategy. IEEE Transactions on Cloud Computing, 2022, , 1-18.	3.1	0
320	A New Algorithm Inspired on Reversible Elementary Cellular Automata for Global Optimization. IEEE Access, 2022, 10, 112211-112229.	2.6	2
321	A Multi-Mechanism Particle Swarm Optimization Algorithm Combining Hunger Games Search and Simulated Annealing. IEEE Access, 2022, 10, 116697-116708.	2.6	0
322	Co-evolutionary competitive swarm optimizer with three-phase for large-scale complex optimization problem. Information Sciences, 2023, 619, 2-18.	4.0	84
323	Multi-level threshold segmentation framework for breast cancer images using enhanced differential evolution. Biomedical Signal Processing and Control, 2023, 80, 104373.	3.5	21
324	ANALYSIS OF COMMUNICATION TOWER WITH DIFFERENT HEIGHTS SUBJECTED TO WIND LOADS USING TIA-222-G AND TIA-222-H STANDARDS. Journal of Asian Architecture and Building Engineering, 0, , .	1.2	1
325	Instigating the Sailfish Optimization Algorithm Based on Opposition-Based Learning to Determine the Salient Features From a High-Dimensional Dataset. International Journal of Information Technology and Decision Making, 0, , 1-33.	2.3	0
326	A novel chaotic Runge Kutta optimization algorithm for solving constrained engineering problems. Journal of Computational Design and Engineering, 2022, 9, 2452-2465.	1.5	23
327	A Method of Value Model Convergence and Profit Optimization for Crossover Services. Journal of King Saud University - Computer and Information Sciences, 2022, , .	2.7	0
328	Underwater Backscatter Recognition Using Deep Fuzzy Extreme Convolutional Neural Network Optimized via Hunger Games Search. Neural Processing Letters, 2023, 55, 4843-4870.	2.0	1
329	Learning from dermoscopic images in association with clinical metadata for skin lesion segmentation and classification. Computers in Biology and Medicine, 2023, 152, 106321.	3.9	7

#	ARTICLE	IF	CITATIONS
330	Single and Multi-Objective Optimal Power Flow Based on Hunger Games Search with Pareto Concept Optimization. <i>Energies</i> , 2022, 15, 8328.	1.6	15
331	Taylor political monarch butterfly optimization driven deep learning model for acute lymphoblastic leukemia detection and severity classification using blood smear images. <i>Concurrency Computation Practice and Experience</i> , 2023, 35, .	1.4	1
332	Cross attention guided multi-scale feature fusion for false-positive reduction in pulmonary nodule detection. <i>Computers in Biology and Medicine</i> , 2022, 151, 106302.	3.9	1
333	Levy Equilibrium Optimizer algorithm for the DNA storage code set. <i>PLoS ONE</i> , 2022, 17, e0277139.	1.1	1
334	An improved Jaya optimization algorithm with ring topology and population size reduction. <i>Journal of Intelligent Systems</i> , 2022, 31, 1178-1210.	1.2	0
335	Multi-objective optimization of seeding performance of a pneumatic precision seed metering device using integrated ANN-MOPSO approach. <i>Engineering Applications of Artificial Intelligence</i> , 2023, 117, 105559.	4.3	11
336	A modified reptile search algorithm for global optimization and image segmentation: Case study brain MRI images. <i>Computers in Biology and Medicine</i> , 2023, 152, 106404.	3.9	40
337	Quantifying imbalanced classification methods for leukemia detection. <i>Computers in Biology and Medicine</i> , 2023, 152, 106372.	3.9	8
338	Fick's Law Algorithm: A physical law-based algorithm for numerical optimization. <i>Knowledge-Based Systems</i> , 2023, 260, 110146.	4.0	59
339	Lithium-ion battery state of health estimation using meta-heuristic optimization and Gaussian process regression. <i>Journal of Energy Storage</i> , 2023, 58, 106319.	3.9	14
340	A hybrid adaptive Differential Evolution based on Gaussian tail mutation. <i>Engineering Applications of Artificial Intelligence</i> , 2023, 119, 105739.	4.3	8
341	Determination of Different Types of Controller Parameters Using Metaheuristic Optimization Algorithms for Buck Converter Systems. <i>IEEE Access</i> , 2022, 10, 127984-127995.	2.6	3
342	An efficient coverage method for SEMWSNs based on adaptive chaotic Gaussian variant snake optimization algorithm. <i>Mathematical Biosciences and Engineering</i> , 2022, 20, 3191-3215.	1.0	3
343	Rolling Prediction Model of Closing Price Based on EEMD Data Noise Reduction and HGS-DELM. , 2022, , .		0
344	Boosting Whale Optimizer with Quasi-Operational Learning and Gaussian Barebone for Feature Selection and COVID-19 Image Segmentation. <i>Journal of Bionic Engineering</i> , 2023, 20, 797-818.	2.7	43
345	Mutational Chemotaxis Motion Driven Moth-Flame Optimizer for Engineering Applications. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 12179.	1.3	2
346	Modified Artificial Bee Colony Based Feature Optimized Federated Learning for Heart Disease Diagnosis in Healthcare. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 12080.	1.3	12
347	Identification of Pulmonary Hypertension Animal Models Using a New Evolutionary Machine Learning Framework Based on Blood Routine Indicators. <i>Journal of Bionic Engineering</i> , 2023, 20, 762-781.	2.7	4

#	ARTICLE	IF	CITATIONS
348	RG-NBEO: a ReliefF guided novel binary equilibrium optimizer with opposition-based S-shaped and V-shaped transfer functions for feature selection. <i>Artificial Intelligence Review</i> , 2023, 56, 6509-6556.	9.7	3
349	Running city game optimizer: a game-based metaheuristic optimization algorithm for global optimization. <i>Journal of Computational Design and Engineering</i> , 2023, 10, 65-107.	1.5	10
350	A Boosted Communicational Salp Swarm Algorithm: Performance Optimization and Comprehensive Analysis. <i>Journal of Bionic Engineering</i> , 2023, 20, 1296-1332.	2.7	5
351	Tuberculous pleural effusion prediction using ant colony optimizer with grade-based search assisted support vector machine. <i>Frontiers in Neuroinformatics</i> , 0, 16, .	1.3	3
352	Optimization for a New XY Positioning Mechanism by Artificial Neural Network-Based Metaheuristic Algorithms. <i>Computational Intelligence and Neuroscience</i> , 2022, 2022, 1-18.	1.1	2
353	Optimization of workpiece processing based on the orthogonal double-chain differential evolution algorithm. <i>Journal of Computational Design and Engineering</i> , 2023, 10, 160-184.	1.5	2
354	Hybrid whale optimization algorithm based on symbiosis strategy for global optimization. <i>Applied Intelligence</i> , 2023, 53, 16663-16705.	3.3	4
356	An Improved Harris Hawks Optimization Algorithm with Multi-strategy for Community Detection in Social Network. <i>Journal of Bionic Engineering</i> , 2023, 20, 1175-1197.	2.7	45
357	A penalty-based algorithm proposal for engineering optimization problems. <i>Neural Computing and Applications</i> , 0, , .	3.2	0
358	Optimal parameters identification strategy of a lead acid battery model for photovoltaic applications. <i>Energy Storage</i> , 2023, 5, .	2.3	4
359	MSSSA: a multi-strategy enhanced sparrow search algorithm for global optimization. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2022, 23, 1828-1847.	1.5	11
360	Orthogonal pinhole-imaging-based learning salp swarm algorithm with self-adaptive structure for global optimization. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 10, .	2.0	6
361	An Improved Whale Optimizer with Multiple Strategies for Intelligent Prediction of Talent Stability. <i>Electronics (Switzerland)</i> , 2022, 11, 4224.	1.8	2
362	Detection of pulmonary embolism severity using clinical characteristics, hematological indices, and machine learning techniques. <i>Frontiers in Neuroinformatics</i> , 0, 16, .	1.3	3
363	Ensemble Tree Model for Long-Term Rockburst Prediction in Incomplete Datasets. <i>Minerals (Basel)</i> , Tj ETQqO 0 0 rgBT/Overlock 10 Tf 50	0.8	2
364	A novel-enhanced metaheuristic algorithm for FOPID-controlled and Bode's ideal transfer function-based buck converter system. <i>Transactions of the Institute of Measurement and Control</i> , 2023, 45, 1854-1872.	1.1	6
365	bSRWPSO-FKNN: A boosted PSO with fuzzy K-nearest neighbor classifier for predicting atopic dermatitis disease. <i>Frontiers in Neuroinformatics</i> , 0, 16, .	1.3	3
366	A Double Adaptive Random Spare Reinforced Sine Cosine Algorithm. <i>CMES - Computer Modeling in Engineering and Sciences</i> , 2023, 136, 2267-2289.	0.8	0

#	ARTICLE	IF	CITATIONS
367	Cauchy mutation boosted Harris hawk algorithm: Optimal performance design and engineering applications. <i>Journal of Computational Design and Engineering</i> , 0, , .	1.5	4
368	A deep network using coarse clinical prior for myopic maculopathy grading. <i>Computers in Biology and Medicine</i> , 2023, 154, 106556.	3.9	5
369	Slender Swarm Flamingo optimization-based residual low-light image enhancement network. <i>Imaging Science Journal</i> , 2021, 69, 391-406.	0.2	1
370	Enhancing grasshopper optimization algorithm (GOA) with levy flight for engineering applications. <i>Scientific Reports</i> , 2023, 13, .	1.6	7
371	A smart optimizer approach for clustering protocol in UAV-assisted IoT wireless networks. <i>Internet of Things (Netherlands)</i> , 2023, 21, 100683.	4.9	2
372	Communication Path and Influence Analysis of Drama, Film and Television Performance of Data Technology. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2023, , 503-511.	0.2	0
373	Salp swarm algorithm with iterative mapping and local escaping for multi-level threshold image segmentation: a skin cancer dermoscopic case study. <i>Journal of Computational Design and Engineering</i> , 2023, 10, 655-693.	1.5	3
374	Multi-verse Optimizer with Rosenbrock and Diffusion Mechanisms for Multilevel Threshold Image Segmentation from COVID-19 Chest X-Ray Images. <i>Journal of Bionic Engineering</i> , 2023, 20, 1198-1262.	2.7	16
375	An energy cooperation method of wireless sensor networks based on partially observable Markov decision processes. <i>Sustainable Energy Technologies and Assessments</i> , 2023, 55, 102997.	1.7	1
376	BrainTGL: A dynamic graph representation learning model for brain network analysis. <i>Computers in Biology and Medicine</i> , 2023, 153, 106521.	3.9	10
377	Manta ray foraging optimizer-based image segmentation with a two-strategy enhancement. <i>Knowledge-Based Systems</i> , 2023, 262, 110247.	4.0	12
378	DTCSMO: An efficient hybrid starling murmuration optimizer for engineering applications. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2023, 405, 115878.	3.4	22
379	Learning fair representations for accuracy parity. <i>Engineering Applications of Artificial Intelligence</i> , 2023, 119, 105819.	4.3	1
380	Image segmentation of Intracerebral hemorrhage patients based on enhanced hunger Games search Optimizer. <i>Biomedical Signal Processing and Control</i> , 2023, 82, 104511.	3.5	4
381	Maximum hosting capacity estimation for renewables in power grids considering energy storage and transmission lines expansion using hybrid sine cosine artificial rabbits algorithm. <i>Ain Shams Engineering Journal</i> , 2023, 14, 102092.	3.5	14
382	Runge Kutta Optimization for Fixed Size Multimodal Test Functions. <i>International Scientific and Vocational Studies Journal</i> , 0, , .	0.2	0
383	Improving data embedding capacity into Base45 encoded strings. <i>Engineering Reports</i> , 0, , .	0.9	1
384	Hierarchical Harris hawks optimizer for feature selection. <i>Journal of Advanced Research</i> , 2023, 53, 261-278.	4.4	16

#	ARTICLE	IF	CITATIONS
385	Dynamic Candidate Solution Boosted Beluga Whale Optimization Algorithm for Biomedical Classification. <i>Mathematics</i> , 2023, 11, 707.	1.1	34
386	A multi-strategy enhanced African vultures optimization algorithm for global optimization problems. <i>Journal of Computational Design and Engineering</i> , 2023, 10, 329-356.	1.5	11
387	Hybrid kernel search and particle swarm optimization with Cauchy perturbation for economic emission load dispatch with valve point effect. <i>Frontiers in Energy Research</i> , 0, 10, .	1.2	3
388	End-to-End 2D Convolutional Neural Network Architecture for Lung Nodule Identification and Abnormal Detection in Cloud. <i>Computers, Materials and Continua</i> , 2023, 75, 461-475.	1.5	1
389	A novel parameter identification strategy based on COOT optimizer applied to a three-diode model of triple cation perovskite solar cells. <i>Neural Computing and Applications</i> , 0, , .	3.2	0
390	A modified binary version of aphidâ€™ant mutualism for feature selection: a COVID-19 case study. <i>Journal of Computational Design and Engineering</i> , 2023, 10, 549-577.	1.5	1
391	Gaussian bare-bone slime mould algorithm: performance optimization and case studies on truss structures. <i>Artificial Intelligence Review</i> , 2023, 56, 9051-9087.	9.7	7
392	Optimal design of the neutron multiplicity counter based on metaheuristic algorithm. <i>Frontiers in Physics</i> , 0, 11, .	1.0	0
393	A novel particle swarm optimization based on hybrid-learning model. <i>Mathematical Biosciences and Engineering</i> , 2023, 20, 7056-7087.	1.0	2
394	Optimization of pv cells/modules parameters using a modified quasi-oppositional logistic chaotic rao-1 (QOLCR) algorithm. <i>Environmental Science and Pollution Research</i> , 2023, 30, 44536-44552.	2.7	6
395	Adaptive cylinder vector particle swarm optimization with differential evolution for UAV path planning. <i>Engineering Applications of Artificial Intelligence</i> , 2023, 121, 105942.	4.3	38
396	HGSmark: An efficient ECG watermarking scheme using hunger games search and Bayesian regularization BPNN. <i>Biomedical Signal Processing and Control</i> , 2023, 83, 104633.	3.5	6
397	Whale optimization with random contraction and Rosenbrock method for COVID-19 disease prediction. <i>Biomedical Signal Processing and Control</i> , 2023, 83, 104638.	3.5	5
398	Multi-strategy ant colony optimization for multi-level image segmentation: Case study of melanoma. <i>Biomedical Signal Processing and Control</i> , 2023, 83, 104647.	3.5	7
399	Optimal Allocation of Biomass Distributed Generators Using Modified Hunger Games Search to Reduce CO2 Emissions. <i>Journal of Marine Science and Engineering</i> , 2023, 11, 308.	1.2	3
400	Feature selection of pre-trained shallow CNN using the QLESCA optimizer: COVID-19 detection as a case study. <i>Applied Intelligence</i> , 2023, 53, 18630-18652.	3.3	1
402	MEALPY: An open-source library for latest meta-heuristic algorithms in Python. <i>Journal of Systems Architecture</i> , 2023, 139, 102871.	2.5	26
403	RIME: A physics-based optimization. <i>Neurocomputing</i> , 2023, 532, 183-214.	3.5	124

#	ARTICLE	IF	CITATIONS
404	Hierarchical structure-based joint operations algorithm for global optimization. Swarm and Evolutionary Computation, 2023, 79, 101311.	4.5	14
405	An optimization model for vehicle routing problem in last-mile delivery. Expert Systems With Applications, 2023, 222, 119789.	4.4	3
406	A geometry-aware deep network for depth estimation in monocular endoscopy. Engineering Applications of Artificial Intelligence, 2023, 122, 105989.	4.3	4
407	Letter: Application of optimization algorithms to engineering design problems and discrepancies in mathematical formulas. Applied Soft Computing Journal, 2023, 140, 110252.	4.1	2
408	Multi-threshold image segmentation based on an improved differential evolution: Case study of thyroid papillary carcinoma. Biomedical Signal Processing and Control, 2023, 85, 104893.	3.5	4
409	Hunger Games Search: A Scheduler for Cloud Computing. , 2022, , .		2
410	A grade-based search adaptive random slime mould optimizer for lupus nephritis image segmentation. Computers in Biology and Medicine, 2023, 160, 106950.	3.9	2
411	Evaluating the Performance of various Algorithms for Wind Energy Optimization: A Hybrid Decision-Making model. Expert Systems With Applications, 2023, 221, 119731.	4.4	24
413	Elite levy spreading differential evolution via ABC shrink-wrap for multi-threshold segmentation of breast cancer images. Biomedical Signal Processing and Control, 2023, 82, 104592.	3.5	7
414	What Factors Will Influence Chinese International Traveling for Leisure in the Post-COVID-19 Era: Role of Health Priorities and Health-Related Information Literacy. Healthcare (Switzerland), 2023, 11, 315.	1.0	2
415	Optimal Day-Ahead Dispatch in Isolated AC/DC Microgrids Using Hunger Game Search Algorithm. , 2022, , .		0
416	Multi-objective optimization determines when, which and how to fuse deep networks: An application to predict COVID-19 outcomes. Computers in Biology and Medicine, 2023, 154, 106625.	3.9	4
417	Hybrid Classifier-Based Federated Learning in Health Service Providers for Cardiovascular Disease Prediction. Applied Sciences (Switzerland), 2023, 13, 1911.	1.3	17
418	A novel preference-based artificial bee colony algorithm approach to the land reallocation optimization problem in a land consolidation case study: DOT village in Turkey. Expert Systems, 0, , .	2.9	0
419	Brain-inspired STA for parameter estimation of fractional-order memristor-based chaotic systems. Applied Intelligence, 0, , .	3.3	2
420	A hybrid moth-flame algorithm with particle swarm optimization with application in power transmission and distribution. Decision Analytics Journal, 2023, 6, 100182.	2.7	18
421	IDEINFO: An Improved Vector-Weighted Optimization Algorithm. Applied Sciences (Switzerland), 2023, 13, 2336.	1.3	1
422	An optimized wavelet neural networks using cuckoo search algorithm for function approximation and chaotic time series prediction. Decision Analytics Journal, 2023, 6, 100188.	2.7	5



#	ARTICLE	IF	CITATIONS
423	The latency accuracy trade-off and optimization in implied volatility-based trading systems. Expert Systems With Applications, 2023, 221, 119714.	4.4	1
424	A modified weighted mean of vectors optimizer for Chronic Kidney disease classification. Computers in Biology and Medicine, 2023, 155, 106691.	3.9	7
425	Cement Transport Vehicle Routing with a Hybrid Sine Cosine Optimization Algorithm. Advances in Civil Engineering, 2023, 2023, 1-15.	0.4	11
426	A vertical and horizontal crossover sine cosine algorithm with pattern search for optimal power flow in power systems. Energy, 2023, 271, 127000.	4.5	5
427	Medical Image Classifications for 6G IoT-Enabled Smart Health Systems. Diagnostics, 2023, 13, 834.	1.3	5
428	Parameter identification of photovoltaic cell model based on improved elephant herding optimization algorithm. Soft Computing, 2023, 27, 5797-5811.	2.1	0
429	A Systematic Literature Review on Robust Swarm Intelligence Algorithms in Search-Based Software Engineering. Complexity, 2023, 2023, 1-22.	0.9	3
430	A Parameter Extraction Based on PSO for A Signal PV Module Using MATLAB. , 2022, , .		0
431	Optimized Artificial Intelligent Model to Boost the Efficiency of Saline Wastewater Treatment Based on Hunger Games Search Algorithm and ANFIS. Sustainability, 2023, 15, 4413.	1.6	1
432	Opposition-based learning boosted orca predation algorithm with dimension learning: a case study of multi-degree reduction for NURBS curves. Journal of Computational Design and Engineering, 2023, 10, 722-757.	1.5	0
433	A novel metaheuristic algorithm inspired by COVID-19 for real-parameter optimization. Neural Computing and Applications, 2023, 35, 10147-10196.	3.2	1
434	An effective strategy for solving single and multi-unit production planning models with unique process constraints using metaheuristic techniques. Expert Systems With Applications, 2023, 224, 119813.	4.4	2
435	A New Lagrangian Problem Crossoverâ€”A Systematic Review and Meta-Analysis of Crossover Standards. Systems, 2023, 11, 144.	1.2	1
436	Optimal Parameter Identification of Single-Sensor Fractional Maximum Power Point Tracker for Thermoelectric Generator. Sustainability, 2023, 15, 5054.	1.6	3
437	Dimensional decision covariance colony predation algorithm: global optimization and highâˆž-dimensional feature selection. Artificial Intelligence Review, 2023, 56, 11415-11471.	9.7	1
438	Surrogate-assisted global transfer optimization based on adaptive sampling strategy. Advanced Engineering Informatics, 2023, 56, 101914.	4.0	0
439	Developing a strategy based on weighted mean of vectors (INFO) optimizer for optimal power flow considering uncertainty of renewable energy generation. Neural Computing and Applications, 2023, 35, 13955-13981.	3.2	5
440	Hybridizing gainingâ€”sharing knowledge and differential evolution for large-scale power system economic dispatch problems. Journal of Computational Design and Engineering, 2023, 10, 615-631.	1.5	2

#	ARTICLE	IF	CITATIONS
441	A Novel Variant of Moth Flame Optimizer for Higher Dimensional Optimization Problems. <i>Journal of Bionic Engineering</i> , 2023, 20, 2389-2415.	2.7	4
442	Multi-level thresholding image segmentation for rubber tree secant using improved Otsu's method and snake optimizer. <i>Mathematical Biosciences and Engineering</i> , 2023, 20, 9645-9669.	1.0	3
443	A Novel Levy-Enhanced Opposition-Based Gradient-Based Optimizer (LE-OB-GBO) for Charging Station Placement. <i>Electronics (Switzerland)</i> , 2023, 12, 1522.	1.8	2
444	Modified reptile search algorithm with multi-hunting coordination strategy for global optimization problems. <i>Mathematical Biosciences and Engineering</i> , 2023, 20, 10090-10134.	1.0	2
445	Attention Based BiGRU-2DCNN with Hunger Game Search Technique for Low-Resource Document-Level Sentiment Classification. , 2023, , .		2
446	Optimal Deep Learning Based Intruder Identification in Industrial Internet of Things Environment. <i>Computer Systems Science and Engineering</i> , 2023, 46, 3121-3139.	1.9	3
447	Group theoretic particle swarm optimization for gray-level medical image enhancement. <i>Mathematical Biosciences and Engineering</i> , 2023, 20, 10479-10494.	1.0	1
448	Thyroid Nodules Classification using Weighted Average Ensemble and DCRITIC Based TOPSIS Methods for Ultrasound Images. <i>Current Medical Imaging</i> , 2023, 20, .	0.4	0
449	A novel hybrid hunger games algorithm for intrusion detection systems based on nonlinear regression modeling. <i>International Journal of Information Security</i> , 0, , .	2.3	0
450	A Hunger Games Search algorithm with opposition-based learning for solving multimodal medical image registration. <i>Neurocomputing</i> , 2023, 540, 126204.	3.5	5
451	Effective detection of Alzheimer's disease by optimizing fuzzy K-nearest neighbors based on salp swarm algorithm. <i>Computers in Biology and Medicine</i> , 2023, 159, 106930.	3.9	9
452	Pneumothorax prediction using a foraging and hunting based ant colony optimizer assisted support vector machine. <i>Computers in Biology and Medicine</i> , 2023, , 106948.	3.9	0
453	Chaotic hybrid multi-objective optimization algorithm for scientific workflow scheduling in multisite clouds. <i>Journal of the Operational Research Society</i> , 2024, 75, 314-335.	2.1	1
454	Privacy-Preserving Blockchain Framework for Supply Chain Management: Perceptive Craving Game Search Optimization (PCGSO). <i>Sustainability</i> , 2023, 15, 6905.	1.6	6
455	WSOmark: An adaptive dual-purpose color image watermarking using white shark optimizer and Levenbergâ€“Marquardt BPNN. <i>Expert Systems With Applications</i> , 2023, 226, 120137.	4.4	3
456	Smooth Exploration System: A novel ease-of-use and specialized module for improving exploration of whale optimization algorithm. <i>Knowledge-Based Systems</i> , 2023, 272, 110580.	4.0	3
457	An artificial bee bare-bone hunger games search for global optimization and high-dimensional feature selection. <i>IScience</i> , 2023, 26, 106679.	1.9	2
458	Transformer-based heart organ segmentation using a novel axial attention and fusion mechanism. <i>Imaging Science Journal</i> , 0, , 1-19.	0.2	0

#	ARTICLE	IF	CITATIONS
498	Tuning Extreme Learning Machine by Hybrid Planet Optimization Algorithm for Diabetes Classification. Lecture Notes in Networks and Systems, 2023, , 23-36.	0.5	3
514	Aperture-coupled Bowtie Patch Antenna Design for Autonomous Driving Applications. , 2023, , .		0
528	Evolutionary hyper-heuristics for improving global optimization algorithms. , 2023, , .		0
596	A Contemporary Systematic Review on Meta-heuristic Optimization Algorithms with Their MATLAB and Python Code Reference. Archives of Computational Methods in Engineering, 0, , .	6.0	0
599	Multi Objective Optimal Power Flow Problems Using Hunger Games Search Algorithm. , 2023, , .		0