League Championship Algorithm (LCA): An algorithm for sport championships

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Citation Report

#	Article	IF	CITATIONS
1	League Championship Algorithm for clustering. , 2015, , .		4
2	A Survey of League Championship Algorithm: Prospects and Challenges. Indian Journal of Science and Technology, 2015, 8, 101.	0.5	15
3	An effective algorithm for constrained optimization based on optics inspired optimization (OIO). CAD Computer Aided Design, 2015, 63, 52-71.	1.4	27
4	Grouping evolution strategies: An effective approach for grouping problems. Applied Mathematical Modelling, 2015, 39, 2703-2720.	2.2	41
5	World Competitive Contests (WCC) algorithm: A novel intelligent optimization algorithm for biological and non-biological problems. Informatics in Medicine Unlocked, 2016, 3, 15-28.	1.9	25
6	Search Based on Human Behaviors. , 2016, , 337-346.		O
7	A new metaheuristic football game inspired algorithm. , 2016, , .		47
8	Chaotic League Championship Algorithms. Arabian Journal for Science and Engineering, 2016, 41, 5123-5147.	1.1	37
9	Water Evaporation Optimization: A novel physically inspired optimization algorithm. Computers and Structures, 2016, 167, 69-85.	2.4	263
10	SCA: A Sine Cosine Algorithm for solving optimization problems. Knowledge-Based Systems, 2016, 96, 120-133.	4.0	3,492
11	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
12	A checkpointed league championship algorithm-based cloud scheduling scheme with secure fault tolerance responsiveness. Applied Soft Computing Journal, 2017, 61, 670-680.	4.1	39
13	Efficient algorithms based on the k-means and Chaotic League Championship Algorithm for numeric, categorical, and mixed-type data clustering. Expert Systems With Applications, 2017, 90, 146-167.	4.4	28
14	New mathematical models and a hybrid Grouping Evolution Strategy algorithm for optimal helicopter routing and crew pickup and delivery. Computers and Industrial Engineering, 2017, 112, 35-56.	3.4	15
15	League Championship Algorithms for Optimum Design of Pin-Jointed Structures. Journal of Computing in Civil Engineering, 2017, 31, .	2.5	32
16	A Warfare Inspired Optimization Algorithm: The Find-Fix-Finish-Exploit-Analyze (F3EA) Metaheuristic Algorithm. Advances in Intelligent Systems and Computing, 2017, , 393-408.	0.5	5
17	Overcurrent relay coordination of 154/34,5 kV Hasan \tilde{A} elebi substation by league championship algorithm. , 2017, , .		2
18	Design of Pin Jointed Structures under Stress and Deflection Constraints Using Hybrid Electromagnetism-like Mechanism and Migration Strategy Algorithm. Periodica Polytechnica: Civil Engineering, 0, , .	0.6	2

#	ARTICLE	IF	CITATIONS
19	Optimum discrete design of steel tower structures using optics inspired optimization method. Structural Design of Tall and Special Buildings, 2018, 27, e1466.	0.9	20
20	A comprehensive survey on gravitational search algorithm. Swarm and Evolutionary Computation, 2018, 41, 141-158.	4.5	165
21	A league championship algorithm equipped with network structure and backward Q-learning for extracting stock trading rules. Applied Soft Computing Journal, 2018, 68, 478-493.	4.1	32
22	Optimized Relay Nodes Positioning to Achieve Full Connectivity in Wireless Sensor Networks. Wireless Personal Communications, 2018, 99, 1521-1540.	1.8	33
23	A novel quasi-oppositional chaotic antlion optimizer for global optimization. Applied Intelligence, 2018, 48, 2628-2660.	3.3	36
24	Topologies and performance of intelligent algorithms: a comprehensive review. Artificial Intelligence Review, 2018, 49, 79-103.	9.7	46
25	A simple yet effective grouping evolutionary strategy (GES) algorithm for scheduling parallel machines. Neural Computing and Applications, 2018, 30, 1925-1938.	3.2	13
26	Volleyball Premier League Algorithm. Applied Soft Computing Journal, 2018, 64, 161-185.	4.1	205
27	A multi-objective and integrated model for supply chain scheduling optimization in a multi-site manufacturing system. Engineering Optimization, 2018, 50, 1415-1433.	1.5	16
28	Socio evolution & Socio evolut	4.9	152
29	A Novel Hybrid GWO-PS Algorithm for Standard Benchmark Optimization Problems. INAE Letters, 2018, 3, 217-241.	1.0	12
30	Design optimization of truss structures with continuous and discrete variables by hybrid of biogeographyâ€based optimization and differential evolution methods. Structural Design of Tall and Special Buildings, 2018, 27, e1495.	0.9	23
31	Tree Growth Algorithm (TGA): A novel approach for solving optimization problems. Engineering Applications of Artificial Intelligence, 2018, 72, 393-414.	4.3	157
32	A very optimistic method of minimization (VOMMI) for unconstrained problems. Information Sciences, 2018, 454-455, 255-274.	4.0	12
33	Metaheuristic Algorithms: A Comprehensive Review. , 2018, , 185-231.		225
34	Optimization of Job Shop Scheduling Problem with Grey Wolf Optimizer and JAYA Algorithm. Advances in Intelligent Systems and Computing, 2019, , 47-58.	0.5	4
35	An improved sine–cosine algorithm based on orthogonal parallel information for global optimization. Soft Computing, 2019, 23, 7135-7161.	2.1	46
37	Impacts of Linnik Flight Usage Patterns on Cuckoo Search for Real-Parameter Global Optimization Problems. IEEE Access, 2019, 7, 83932-83961.	2.6	3

#	Article	IF	CITATIONS
38	Adaptive Range Genetic Algorithm: A hybrid optimization approach and its application in the design and economic optimization of Shell-and-Tube Heat Exchanger. Engineering Applications of Artificial Intelligence, 2019, 85, 444-461.	4.3	47
39	Enhanced grouping league championship and optics inspired optimization algorithms for scheduling a batch processing machine with job conflicts and non-identical job sizes. Applied Soft Computing Journal, 2019, 83, 105657.	4.1	14
40	CTLBO: Converged teaching–learning–based optimization. Cogent Engineering, 2019, 6, .	1.1	7
41	Improving the reliability of implicit averaging methods using new conditional operators for robust optimization. Swarm and Evolutionary Computation, 2019, 51, 100579.	4.5	4
42	EST-TSA: An effective search tendency based to tree seed algorithm. Physica A: Statistical Mechanics and Its Applications, 2019, 534, 122323.	1.2	14
43	Team Arrangement Heuristic Algorithm (TAHA): Theory and application. Mathematics and Computers in Simulation, 2019, 166, 155-176.	2.4	2
44	Social mimic optimization algorithm and engineering applications. Expert Systems With Applications, 2019, 134, 178-191.	4.4	65
45	Socio-inspired Optimization Metaheuristics: A Review. Studies in Computational Intelligence, 2019, , 241-265.	0.7	11
47	Premier League Championship Algorithm: A Multi-population-Based Algorithm and Its Application on Structural Design Optimization. Studies in Computational Intelligence, 2019, , 215-240.	0.7	4
48	A Review on Energy Consumption Optimization Techniques in IoT Based Smart Building Environments. Information (Switzerland), 2019, 10, 108.	1.7	79
49	FeatureSelect: a software for feature selection based on machine learning approaches. BMC Bioinformatics, 2019, 20, 170.	1.2	83
50	Expectation Algorithm (ExA): A Socio-inspired Optimization Methodology. Studies in Computational Intelligence, 2019, , 193-214.	0.7	2
51	Parallelized Metaheuristic-Ensemble of Heterogeneous Feedforward Neural Networks for Regression Problems. IEEE Access, 2019, 7, 26909-26932.	2.6	15
52	Power Monitoring System in Solar Power Plant Using LabVIEW. , 2019, , .		O
53	Meta-heuristics algorithm for two-machine no-wait flow-shop scheduling problem with the effects of learning. Uncertain Supply Chain Management, 2019, , 599-618.	2.3	3
54	Gravitational Search and Sine Cosine Algorithms to Enhance the VSC-HVDC System Performance Under Different Disturbances. , 2019, , .		1
55	Scope of Artificial Intelligence for Interconnected Multi Area Power System: A Literature Review. , 2019, , .		0
56	Scope of Meta-Heuristics Optimizer for Automatic Generation Control of Realistic Power System. , 2019, , .		1

#	Article	IF	Citations
57	Neural Computing Improvement Using Four Metaheuristic Optimizers in Bearing Capacity Analysis of Footings Settled on Two-Layer Soils. Applied Sciences (Switzerland), 2019, 9, 5264.	1.3	17
58	An advanced onlooker-ranking-based adaptive differential evolution to extract the parameters of solar cell models. Renewable Energy, 2019, 134, 1129-1147.	4.3	45
59	Combining Migration and Differential Evolution Strategies for Optimum Design of Truss Structures with Dynamic Constraints. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2019, 43, 289-312.	1.0	11
60	Find-Fix-Finish-Exploit-Analyze (F3EA) meta-heuristic algorithm: An effective algorithm with new evolutionary operators for global optimization. Computers and Industrial Engineering, 2019, 128, 192-218.	3.4	39
61	Optimal generation scheduling and dispatch of thermal generating units considering impact of wind penetration using hGWO-RES algorithm. Applied Intelligence, 2019, 49, 1517-1547.	3.3	26
62	The whirlpool algorithm based on physical phenomenon for solving optimization problems. Engineering Computations, 2019, 36, 664-690.	0.7	7
63	An improved moth-flame optimization algorithm for solving optimal power flow problem. International Transactions on Electrical Energy Systems, 2019, 29, e2743.	1.2	94
64	Sports inspired computational intelligence algorithms for global optimization. Artificial Intelligence Review, 2019, 52, 1579-1627.	9.7	36
65	Multi-objective league championship algorithm for real-time task scheduling. Neural Computing and Applications, 2020, 32, 5093-5104.	3.2	10
66	A novel meta-heuristic optimization method based on golden ratio in nature. Soft Computing, 2020, 24, 1117-1151.	2.1	75
67	Enhance chaotic gravitational search algorithm (CGSA) by balance adjustment mechanism and sine randomness function for continuous optimization problems. Physica A: Statistical Mechanics and Its Applications, 2020, 537, 122621.	1.2	18
68	STSA: A sine Tree-Seed Algorithm for complex continuous optimization problems. Physica A: Statistical Mechanics and Its Applications, 2020, 537, 122802.	1.2	31
69	A Novel Application of League Championship Optimization (LCA): Hybridizing Fuzzy Logic for Soil Compression Coefficient Analysis. Applied Sciences (Switzerland), 2020, 10, 67.	1.3	9
70	Side-Blotched Lizard Algorithm: A polymorphic population approach. Applied Soft Computing Journal, 2020, 88, 106039.	4.1	27
71	An intensify Harris Hawks optimizer for numerical and engineering optimization problems. Applied Soft Computing Journal, 2020, 89, 106018.	4.1	182
72	BMFO-SIG: A Novel Binary Moth Flame Optimizer Algorithm with Sigmoidal Transformation for Combinatorial Unit Commitment and Numerical Optimization Problems. , 2020, 5, 789-826.		5
73	Heap-based optimizer inspired by corporate rank hierarchy for global optimization. Expert Systems With Applications, 2020, 161, 113702.	4.4	226
74	An Enhanced Volleyball Premier League Algorithm with Chaotic Maps. , 2020, , .		3

#	ARTICLE	IF	Citations
75	Metaheuristic Optimization of Power and Energy Systems: Underlying Principles and Main Issues of the â€~Rush to Heuristics'. Energies, 2020, 13, 5097.	1.6	30
76	A benchmark dataset for ensemble framework by using nature inspired algorithms for the early-stage forest fire rescue. Data in Brief, 2020, 31, 105686.	0.5	1
77	Binary Social Mimic Optimization Algorithm With X-Shaped Transfer Function for Feature Selection. IEEE Access, 2020, 8, 97890-97906.	2.6	56
78	mRNA and microRNA selection for breast cancer molecular subtype stratification using meta-heuristic based algorithms. Genomics, 2020, 112, 3207-3217.	1.3	18
79	A comprehensive review on water cycle algorithm and its applications. Neural Computing and Applications, 2020, 32, 17433-17488.	3.2	38
80	Hybrid of Harmony Search Algorithm and Ring Theory-Based Evolutionary Algorithm for Feature Selection. IEEE Access, 2020, 8, 102629-102645.	2.6	36
81	A survey of evolutionary computation for association rule mining. Information Sciences, 2020, 524, 318-352.	4.0	127
82	Political Optimizer: A novel socio-inspired meta-heuristic for global optimization. Knowledge-Based Systems, 2020, 195, 105709.	4.0	311
83	Differential evolution based global best algorithm: an efficient optimizer for solving constrained and unconstrained optimization problems. SN Applied Sciences, 2020, 2, 1.	1.5	1
84	Comprehensive Taxonomies of Nature- and Bio-inspired Optimization: Inspiration Versus Algorithmic Behavior, Critical Analysis Recommendations. Cognitive Computation, 2020, 12, 897-939.	3.6	125
85	Ensemble framework by using nature inspired algorithms for the early-stage forest fire rescue — A case study of dynamic optimization problems. Engineering Applications of Artificial Intelligence, 2020, 90, 103517.	4.3	18
86	Improved Binary Sailfish Optimizer Based on Adaptive $\langle i \rangle \hat{l}^2 \langle i \rangle$ -Hill Climbing for Feature Selection. IEEE Access, 2020, 8, 83548-83560.	2.6	80
87	Multi-Objective Volleyball Premier League algorithm. Knowledge-Based Systems, 2020, 196, 105781.	4.0	17
88	Enhancing tree-seed algorithm via feed-back mechanism for optimizing continuous problems. Applied Soft Computing Journal, 2020, 92, 106314.	4.1	15
89	A <scp><i>Canis lupus</i></scp> inspired upgraded Harris hawks optimizer for nonlinear, constrained, continuous, and discrete engineering design problem. International Journal for Numerical Methods in Engineering, 2021, 122, 1051-1088.	1.5	13
90	A Brief Review of Socio-inspired Metaheuristics. Springer Series in Advanced Manufacturing, 2021, , 19-29.	0.2	0
91	Experimental study on classical and metaheuristics algorithms for optimal nano-chitosan concentration selection in surface coating and food packaging. Food Chemistry, 2021, 335, 127681.	4.2	7
92	CSCF: a chaotic sine cosine firefly algorithm for practical application problems. Neural Computing and Applications, 2021, 33, 7011-7030.	3.2	91

#	Article	IF	CITATIONS
93	Finite Element-Based Optimization of Additive Manufacturing Process Using Statistical Modelling and League of Champion Algorithm. Advances in Computational Intelligence and Robotics Book Series, 2021, , 215-234.	0.4	0
94	Swarming Behavior of Harris Hawks Optimizer for Arabic Opinion Mining. Computers, Materials and Continua, 2021, 69, 4129-4149.	1.5	10
95	Fuzzy-Based Optimal Integration of Multiple Distributed Generations. Power Systems, 2021, , 1-22.	0.3	0
96	The Find-Fix-Finish-Exploit-Analyze (F3EA) Meta-Heuristic Algorithm with an Extended Constraint Handling Technique for Constrained Optimization. , 2021, , 1-27.		1
98	Comparison of Current Metaheuristic Optimization Algorithms by Using Benchmark Functions. International Journal of Pure and Applied Sciences, 2021, 7, 100-112.	0.3	3
99	Metaheuristics: a comprehensive overview and classification along with bibliometric analysis. Artificial Intelligence Review, 2021, 54, 4237-4316.	9.7	112
100	A meliorated Harris Hawks optimizer for combinatorial unit commitment problem with photovoltaic applications. Journal of Electrical Systems and Information Technology, 2021, 8, .	1.2	9
101	Synthesizing Multi-Layer Perceptron Network with Ant Lion Biogeography-Based Dragonfly Algorithm Evolutionary Strategy Invasive Weed and League Champion Optimization Hybrid Algorithms in Predicting Heating Load in Residential Buildings. Sustainability, 2021, 13, 3198.	1.6	22
102	Improved salp swarm algorithm based on the levy flight for feature selection. Journal of Supercomputing, 2021, 77, 12399-12419.	2.4	18
103	A New Improved Model of Marine Predator Algorithm for Optimization Problems. Arabian Journal for Science and Engineering, 2021, 46, 8803-8826.	1.7	66
104	Stock exchange trading optimization algorithm: a human-inspired method for global optimization. Journal of Supercomputing, 2022, 78, 2125-2174.	2.4	29
105	Dingo Optimizer: A Nature-Inspired Metaheuristic Approach for Engineering Problems. Mathematical Problems in Engineering, 2021, 2021, 1-12.	0.6	89
106	Artificial gorilla troops optimizer: A new natureâ€inspired metaheuristic algorithm for global optimization problems. International Journal of Intelligent Systems, 2021, 36, 5887-5958.	3.3	471
107	African vultures optimization algorithm: A new nature-inspired metaheuristic algorithm for global optimization problems. Computers and Industrial Engineering, 2021, 158, 107408.	3.4	602
108	Potential bias when creating a differential-vector movement algorithm. Applied Soft Computing Journal, 2021, 113, 107925.	4.1	3
109	Comparative Study of Five Metaheuristic Algorithms for Team Formation Problem. Lecture Notes in Mechanical Engineering, 2022, , 133-143.	0.3	3
110	Bir Mikro Şebekenin Yük Frekans Kontrolü için Tamsayı Derece Yaklaşımlı Kesir Dereceli PID Kontrol Optimizasyonu. DÜMF Mühendislik Dergisi, 0, , 79-87.	örÃ⅓n 0.2	2
111	An optics inspired optimization method for optimal design of truss structures. Structural Design of Tall and Special Buildings, 2019, 28, e1598.	0.9	15

#	Article	IF	CITATIONS
113	A Package Including Pre-processing, Feature Extraction, Feature Reduction, and Classification for MRI Classification. Algorithms for Intelligent Systems, 2020, , 51-68.	0.5	3
115	Automatic clustering based on Crow Search Algorithm-Kmeans (CSA-Kmeans) and Data Envelopment Analysis (DEA). International Journal of Computational Intelligence Systems, 2018, 11, 1322.	1.6	7
116	Analysing stable feature selection through an augmented marine predator algorithm based on <scp>oppositionâ€based</scp> learning. Expert Systems, 2022, 39, e12816.	2.9	11
117	Excogitating marine predators algorithm based on random oppositionâ€based learning for feature selection. Concurrency Computation Practice and Experience, 0, , e6630.	1.4	5
118	League Championship Algorithm (LCA). Studies in Computational Intelligence, 2018, , 19-30.	0.7	2
119	Prediction of Electroencephalogram Time Series via Artificial Neuro-Fuzzy Inference System Trained by League Championship Algorithm. Advances in Bioinformatics and Biomedical Engineering Book Series, 2018, , 232-248.	0.2	0
120	Solving the MCDP Using a League Championship Algorithm. Lecture Notes in Computer Science, 2018, , 447-453.	1.0	0
121	A Discrete Black Hole Optimization Algorithm for Efficient Community Detection in Social Networks. Advances in Web Technologies and Engineering Book Series, 2018, , 133-153.	0.4	0
123	An Effective League Championship Algorithm for the Stochastic Multi-Period Portfolio Optimization Problem. Scientia Iranica, 2018, .	0.3	0
124	A Rig-Based Formulation and a League Championship Algorithm for Helicopter Routing in Offshore Transportation. Advances in Intelligent Systems and Computing, 2019, , 23-38.	0.5	2
125	Job Scheduling Technique for Infrastructure as a Service Cloud Using an Improved League Championship Algorithm. Lecture Notes in Electrical Engineering, 2019, , 479-488.	0.3	0
127	Modified Multi-cohort Intelligence Algorithm with Panoptic Learning for Unconstrained Problems. Advances in Intelligent Systems and Computing, 2021, , 145-153.	0.5	0
128	Application of the Firefly Algorithm for Optimal Production and Demand Forecasting at Selected Industrial Plant. Open Journal of Business and Management, 2020, 08, 2451-2459.	0.3	0
129	TAM DERİNLİKLİ ESNEK ÜSTYAPILARIN KATMAN ÖZELLİKLERİNİN TAHMİNİ İÇİN LİG ŞAM Mühendislik Bilimleri Ve Tasarım Dergisi, 2020, 8, 273-284.	PİYONAS 0.1	SI ALGORÄ ^c T
130	Enhanced Sparrow Search Algorithm With Mutation Strategy for Global Optimization. IEEE Access, 2021, 9, 159218-159261.	2.6	18
131	Plant competition optimization: A novel metaheuristic algorithm. Expert Systems, 2022, 39, .	2.9	12
132	Fuzzy whale optimisation algorithm: a new hybrid approach for automatic sonar target recognition. Journal of Experimental and Theoretical Artificial Intelligence, 2023, 35, 309-325.	1.8	12
133	Starling murmuration optimizer: A novel bio-inspired algorithm for global and engineering optimization. Computer Methods in Applied Mechanics and Engineering, 2022, 392, 114616.	3.4	145

#	ARTICLE	IF	CITATIONS
134	BinHOA: Efficient Binary Horse Herd Optimization Method for Feature Selection: Analysis and Validations. IEEE Access, 2022, 10, 26795-26816.	2.6	7
135	SPGD: Search Party Gradient Descent Algorithm, a Simple Gradient-Based Parallel Algorithm for Bound-Constrained Optimization. Mathematics, 2022, 10, 800.	1.1	4
136	An Improved Tunicate Swarm Algorithm with Best-random Mutation Strategy for Global Optimization Problems. Journal of Bionic Engineering, 2022, 19, 1177-1202.	2.7	61
137	A novel arithmetic optimization algorithm based on chaotic maps for global optimization. Evolutionary Intelligence, 2023, 16, 981-996.	2.3	14
138	Stepladder determinative brain storm optimization. Applied Intelligence, 2022, 52, 16799-16817.	3.3	3
139	A Novel Quasi-oppositional Chaotic Harris Hawk's Optimization Algorithm for Optimal Siting and Sizing of Distributed Generation in Radial Distribution System. Neural Processing Letters, 2022, 54, 4051-4121.	2.0	2
140	A dynamic stochastic search algorithm for high-dimensional optimization problems and its application to feature selection. Knowledge-Based Systems, 2022, 244, 108517.	4.0	8
141	Particle swarm-differential evolution algorithm with multiple random mutation. Applied Soft Computing Journal, 2022, 120, 108640.	4.1	10
142	An efficient metaheuristic method based on the BitTorrent communication protocol (EM-BT). Evolutionary Intelligence, 2023, 16, 1115-1134.	2.3	2
143	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
144	An adaptive human learning optimization with enhanced exploration–exploitation balance. Annals of Mathematics and Artificial Intelligence, 0, , .	0.9	1
145	A novel optimization model for biding in the deregulated power market with pay as a bid settlement mechanism, based on the stochastic market clearing price. Electric Power Systems Research, 2022, 210, 108122.	2.1	7
146	Human-Inspired Optimization Algorithms: Theoretical Foundations, Algorithms, Open-Research Issues and Application for Multi-Level Thresholding. Archives of Computational Methods in Engineering, 0, , .	6.0	12
147	Beluga whale optimization: A novel nature-inspired metaheuristic algorithm. Knowledge-Based Systems, 2022, 251, 109215.	4.0	155
150	Artificial rabbits optimization: A new bio-inspired meta-heuristic algorithm for solving engineering optimization problems. Engineering Applications of Artificial Intelligence, 2022, 114, 105082.	4.3	206
151	Best Combinations of Inputs for ANN-Based Solar Radiation Forecasting in Morocco. Technology and Economics of Smart Grids and Sustainable Energy, 2022, 7, .	1.8	0
152	Modelling Compression Strength of Waste PET and SCM Blended Cementitious Grout Using Hybrid of LSSVM Models. Materials, 2022, 15, 5242.	1.3	6
153	Multi-strategy boosted marine predators algorithm for optimizing approximate developable surface. Knowledge-Based Systems, 2022, 254, 109615.	4.0	11

#	Article	IF	CITATIONS
154	On a Novel Hybrid Manta Ray Foraging Optimizer and Its Application on Parameters Estimation of Lithium-Ion Battery. International Journal of Computational Intelligence Systems, 2022, 15, .	1.6	10
155	An outward search to increase population diversity for optimization algorithms. Applied Soft Computing Journal, 2022, 129, 109572.	4.1	0
156	Wild Horse Optimizer-Based Spiral Updating for Feature Selection. IEEE Access, 2022, 10, 106258-106274.	2.6	5
157	Solar energy modelling and forecasting using artificial neural networks: a review, a case study, and applications., 2022,, 113-147.		0
158	Multiclass feature selection with metaheuristic optimization algorithms: a review. Neural Computing and Applications, 2022, 34, 19751-19790.	3.2	44
159	A Mixed Integer Linear Formulation and a Grouping League Championship Algorithm for a Multiperiod-Multitrip Order Picking System with Product Replenishment to Minimize Total Tardiness. Complexity, 2022, 2022, 1-24.	0.9	1
160	Light Spectrum Optimizer: A Novel Physics-Inspired Metaheuristic Optimization Algorithm. Mathematics, 2022, 10, 3466.	1.1	26
161	Optimization and Predictive Modeling of Reinforced Concrete Circular Columns. Materials, 2022, 15, 6624.	1.3	10
162	A hybrid binary dwarf mongoose optimization algorithm with simulated annealing for feature selection on high dimensional multi-class datasets. Scientific Reports, 2022, 12, .	1.6	32
163	Boxing Match Algorithm: a new meta-heuristic algorithm. Soft Computing, 2022, 26, 13277-13299.	2.1	6
164	Applicability and comparison of four nature-inspired hybrid techniques in predicting driven piles' friction capacity. Transportation Geotechnics, 2022, 37, 100875.	2.0	10
165	Prediction and optimization of heating and cooling loads for low energy buildings in Morocco: An application of hybrid machine learning methods. Journal of Building Engineering, 2022, 61, 105332.	1.6	8
166	Particle Swarm Optimization with a Simplex Strategy to Avoid Getting Stuck on Local Optimum., 0, 2022, 1-40.		4
167	Mountain Gazelle Optimizer: A new Nature-inspired Metaheuristic Algorithm for Global Optimization Problems. Advances in Engineering Software, 2022, 174, 103282.	1.8	119
168	Young's double-slit experiment optimizer : A novel metaheuristic optimization algorithm for global and constraint optimization problems. Computer Methods in Applied Mechanics and Engineering, 2023, 403, 115652.	3.4	35
169	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
170	Local search enhanced Aquila optimization algorithm ameliorated with an ensemble of Wavelet mutation strategies for complex optimization problems. Mathematics and Computers in Simulation, 2023, 206, 302-374.	2.4	10
171	Groundwater Flow Algorithm: A Novel Hydro-Geology Based Optimization Algorithm. IEEE Access, 2022, 10, 132193-132211.	2.6	7

#	Article	IF	Citations
172	Firefighting multi strategy marine predators algorithm for the early-stage Forest fire rescue problem. Applied Intelligence, 2023, 53, 15496-15515.	3.3	3
173	Running city game optimizer: a game-based metaheuristic optimization algorithm for global optimization. Journal of Computational Design and Engineering, 2023, 10, 65-107.	1.5	10
174	Cauchy mutation boosted Harris hawk algorithm: Optimal performance design and engineering applications. Journal of Computational Design and Engineering, 0, , .	1.5	4
176	Energy valley optimizer: a novel metaheuristic algorithm for global and engineering optimization. Scientific Reports, 2023, 13, .	1.6	26
177	Improved bald eagle search algorithm for global optimization and feature selection. AEJ - Alexandria Engineering Journal, 2023, 68, 141-180.	3.4	28
178	Exponential distribution optimizer (EDO): a novel math-inspired algorithm for global optimization and engineering problems. Artificial Intelligence Review, 2023, 56, 9329-9400.	9.7	19
179	Lens law based optimization algorithm: a novel approach. Soft Computing, 2023, 27, 9501-9518.	2.1	0
180	An exhaustive review of the metaheuristic algorithms for search and optimization: taxonomy, applications, and open challenges. Artificial Intelligence Review, 2023, 56, 13187-13257.	9.7	26
181	Effective league championship algorithm and lower bound procedure for scheduling a single batch-processing machine with non-identical job sizes and job rejection. RAIRO - Operations Research, 0, , .	1.0	0
187	Multi-objective Optimization of Ventilated Brake Disc Based on Finite Element Simulation and League Championship Algorithm., 2023,, 3-27.		0
194	A New Optimization Approach to Improve an Ensemble Learning Model: Application to Persian/Arabic Handwritten Character Recognition. Lecture Notes in Computer Science, 2023, , 180-194.	1.0	0
208	Smart Football: A Systematic Review for Constructing Optimum Team Formation in Football. , 2023, , .		0
219	Bio-inspired Computing and Associated Algorithms. Series in Bioengineering, 2024, , 47-87.	0.3	0