

Dimension decided Harris hawks optimization with Gaussian and diversity patterns

Knowledge-Based Systems

215, 106425

DOI: [10.1016/j.knosys.2020.106425](https://doi.org/10.1016/j.knosys.2020.106425)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Spiral Motion Mode Embedded Grasshopper Optimization Algorithm: Design and Analysis. IEEE Access, 2021, 9, 71104-71132.	2.6	9
2	A Hybrid Teaching-Learning-Based Optimization Algorithm for the Travel Route Optimization Problem alongside the Urban Railway Line. Sustainability, 2021, 13, 1408.	1.6	7
3	SGOA: annealing-behaved grasshopper optimizer for global tasks. Engineering With Computers, 2022, 38, 3761-3788.	3.5	88
4	Improved Salp Swarm Algorithm with mutation schemes for solving global optimization and engineering problems. Engineering With Computers, 2022, 38, 3927-3949.	3.5	27
5	Random learning gradient based optimization for efficient design of photovoltaic models. Energy Conversion and Management, 2021, 230, 113751.	4.4	53
6	Modified Whale Optimization Algorithm for Solar Cell and PV Module Parameter Identification. Complexity, 2021, 2021, 1-23.	0.9	51
7	Double adaptive weights for stabilization of moth flame optimizer: Balance analysis, engineering cases, and medical diagnosis. Knowledge-Based Systems, 2021, 214, 106728.	4.0	144
8	Reliability-aware task scheduling for energy efficiency on heterogeneous multiprocessor systems. Journal of Supercomputing, 2021, 77, 11643-11681.	2.4	13
9	A self-adaptive Harris Hawks optimization algorithm with opposition-based learning and chaotic local search strategy for global optimization and feature selection. International Journal of Machine Learning and Cybernetics, 2022, 13, 309-336.	2.3	79
10	The Colony Predation Algorithm. Journal of Bionic Engineering, 2021, 18, 674-710.	2.7	365
11	Generalized Oppositional Moth Flame Optimization with Crossover Strategy: An Approach for Medical Diagnosis. Journal of Bionic Engineering, 2021, 18, 991-1010.	2.7	12
12	River water level prediction in coastal catchment using hybridized relevance vector machine model with improved grasshopper optimization. Journal of Hydrology, 2021, 598, 126477.	2.3	36
13	Estimating heavy metals absorption efficiency in an aqueous solution using nanotube-type halloysite from weathered pegmatites and a novel Harris hawks optimization-based multiple layers perceptron neural network. Engineering With Computers, 2022, 38, 4257-4272.	3.5	8
14	MFeature: Towards high performance evolutionary tools for feature selection. Expert Systems With Applications, 2021, 186, 115655.	4.4	18
15	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
16	Memory-based Harris hawk optimization with learning agents: a feature selection approach. Engineering With Computers, 2022, 38, 4457-4478.	3.5	24
17	Multi-strategy Gaussian Harris hawks optimization for fatigue life of tapered roller bearings. Engineering With Computers, 2022, 38, 4387-4413.	3.5	13
18	Evolving fuzzy k-nearest neighbors using an enhanced sine cosine algorithm: Case study of lupus nephritis. Computers in Biology and Medicine, 2021, 135, 104582.	3.9	34

#	ARTICLE	IF	CITATIONS
19	Soil Erosion Prediction Based on Moth-Flame Optimizer-Evolved Kernel Extreme Learning Machine. Electronics (Switzerland), 2021, 10, 2115.	1.8	3
20	Elite dominance scheme ingrained adaptive salp swarm algorithm: a comprehensive study. Engineering With Computers, 0, , 1.	3.5	9
21	An enhanced Cauchy mutation grasshopper optimization with trigonometric substitution: engineering design and feature selection. Engineering With Computers, 2022, 38, 4583-4616.	3.5	13
22	Spiral Motion Enhanced Elite Whale Optimizer for Global Tasks. Complexity, 2021, 2021, 1-33.	0.9	11
23	Towards Precision Fertilization: Multi-Strategy Grey Wolf Optimizer Based Model Evaluation and Yield Estimation. Electronics (Switzerland), 2021, 10, 2183.	1.8	6
24	Performance optimization of differential evolution with slime mould algorithm for multilevel breast cancer image segmentation. Computers in Biology and Medicine, 2021, 138, 104910.	3.9	64
25	Laplacian Nelder-Mead spherical evolution for parameter estimation of photovoltaic models. Energy Conversion and Management, 2021, 243, 114223.	4.4	37
26	Boosted kernel search: Framework, analysis and case studies on the economic emission dispatch problem. Knowledge-Based Systems, 2021, 233, 107529.	4.0	91
27	Delayed dynamic step shuffling frog-leaping algorithm for optimal design of photovoltaic models. Energy Reports, 2021, 7, 228-246.	2.5	30
28	Parameter estimation of PV solar cells and modules using Whippy Harris Hawks Optimization Algorithm. Energy Reports, 2021, 7, 4047-4063.	2.5	67
29	Enhanced Harris hawks optimization with multi-strategy for global optimization tasks. Expert Systems With Applications, 2021, 185, 115499.	4.4	42
30	Elitist non-dominated sorting Harris hawks optimization: Framework and developments for multi-objective problems. Expert Systems With Applications, 2021, 186, 115747.	4.4	33
31	Random reselection particle swarm optimization for optimal design of solar photovoltaic modules. Energy, 2022, 239, 121865.	4.5	54
32	Diagnosing Coronavirus Disease 2019 (COVID-19): Efficient Harris Hawks-Inspired Fuzzy K-Nearest Neighbor Prediction Methods. IEEE Access, 2021, 9, 17787-17802.	2.6	46
33	An improved hybrid Aquila Optimizer and Harris Hawks Optimization for global optimization. Mathematical Biosciences and Engineering, 2021, 18, 7076-7109.	1.0	29
34	The Archerfish Hunting Optimizer: A Novel Metaheuristic Algorithm for Global Optimization. Arabian Journal for Science and Engineering, 2022, 47, 2513-2553.	1.7	30
35	Solar photovoltaic model parameter estimation based on orthogonally-adapted gradient-based optimization. Optik, 2022, 252, 168513.	1.4	25
36	Directional mutation and crossover for immature performance of whale algorithm with application to engineering optimization. Journal of Computational Design and Engineering, 2022, 9, 519-563.	1.5	23

#	ARTICLE	IF	CITATIONS
37	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
38	DTSMA: Dominant Swarm with Adaptive T-distribution Mutation-based Slime Mould Algorithm. <i>Mathematical Biosciences and Engineering</i> , 2022, 19, 2240-2285.	1.0	21
39	Adaptive Harris hawks optimization with persistent trigonometric differences for photovoltaic model parameter extraction. <i>Engineering Applications of Artificial Intelligence</i> , 2022, 109, 104608.	4.3	39
40	Multi-Threshold Image Segmentation of Maize Diseases Based on Elite Comprehensive Particle Swarm Optimization and Otsu. <i>Frontiers in Plant Science</i> , 2021, 12, 789911.	1.7	18
41	A Fault Diagnosis Method of Oil-Immersed Transformer Based on Improved Harris Hawks Optimized Random Forest. <i>Journal of Electrical Engineering and Technology</i> , 2022, 17, 2527-2540.	1.2	1
42	Parameter identification of photovoltaic models using a sine cosine differential gradient based optimizer. <i>IET Renewable Power Generation</i> , 2022, 16, 1535-1561.	1.7	20
43	A dynamic stochastic search algorithm for high-dimensional optimization problems and its application to feature selection. <i>Knowledge-Based Systems</i> , 2022, 244, 108517.	4.0	8
44	A hybrid Grasshopper Optimization Algorithm and Harris Hawks Optimizer for Combined Heat and Power Economic Dispatch problem. <i>Engineering Applications of Artificial Intelligence</i> , 2022, 111, 104753.	4.3	42
45	Hierarchical Harris hawks optimization for epileptic seizure classification. <i>Computers in Biology and Medicine</i> , 2022, 145, 105397.	3.9	19
46	Harris Hawks Optimization with Multi-Strategy Search and Application. <i>Symmetry</i> , 2021, 13, 2364.	1.1	8
47	Fault Diagnosis of Tennessee Eastman Process with XGB-AVSSA-KELM Algorithm. <i>Energies</i> , 2022, 15, 3198.	1.6	8
48	Quantum Nelder-Mead Hunger Games Search for optimizing photovoltaic solar cells. <i>International Journal of Energy Research</i> , 2022, 46, 12417-12466.	2.2	16
49	Tool for Predicting College Student Career Decisions: An Enhanced Support Vector Machine Framework. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 4776.	1.3	6
50	Improved Reptile Search Optimization Algorithm Using Chaotic Map and Simulated Annealing for Feature Selection in Medical Field. <i>IEEE Access</i> , 2022, 10, 51428-51446.	2.6	17
51	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
52	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
53	An island parallel Harris hawks optimization algorithm. <i>Neural Computing and Applications</i> , 0, , .	3.2	2
54	Recent Advances in Harris Hawks Optimization: A Comparative Study and Applications. <i>Electronics (Switzerland)</i> , 2022, 11, 1919.	1.8	37

#	ARTICLE	IF	CITATIONS
55	Predicting Entrepreneurial Intention of Students: Kernel Extreme Learning Machine with Boosted Crow Search Algorithm. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 6907.	1.3	3
56	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
57	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
58	Spiral Gaussian mutation sine cosine algorithm: Framework and comprehensive performance optimization. <i>Expert Systems With Applications</i> , 2022, 209, 118372.	4.4	19
59	A new firefly algorithm with improved global exploration and convergence with application to engineering optimization. <i>Decision Analytics Journal</i> , 2022, 5, 100125.	2.7	12
60	Resilience Importance Measure and Optimization Considering the Stepwise Recovery of System Performance. <i>IEEE Transactions on Reliability</i> , 2022, , 1-14.	3.5	2
61	Double Mutational Salp Swarm Algorithm: From Optimal Performance Design to Analysis. <i>Journal of Bionic Engineering</i> , 2023, 20, 184-211.	2.7	6
62	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
63	Class-imbalanced positive instances augmentation via three-line hybrid. <i>Knowledge-Based Systems</i> , 2022, 257, 109902.	4.0	4
64	Harris hawks optimization based on global cross-variation and tent mapping. <i>Journal of Supercomputing</i> , 0, , .	2.4	0
65	Multi-Strategy Learning Boosted Colony Predation Algorithm for Photovoltaic Model Parameter Identification. <i>Sensors</i> , 2022, 22, 8281.	2.1	5
66	Stochastic Allocation of Photovoltaic Energy Resources in Distribution Systems Considering Uncertainties Using New Improved Meta-Heuristic Algorithm. <i>Processes</i> , 2022, 10, 2179.	1.3	4
67	Orthogonal Learning Rosenbrockâ€™s Direct Rotation with the Gazelle Optimization Algorithm for Global Optimization. <i>Mathematics</i> , 2022, 10, 4509.	1.1	8
68	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
69	Cauchy mutation boosted Harris hawk algorithm: Optimal performance design and engineering applications. <i>Journal of Computational Design and Engineering</i> , 0, , .	1.5	4
70	Fireworks explosion boosted Harris Hawks optimization for numerical optimization: Case of classifying the severity of COVID-19. <i>Frontiers in Neuroinformatics</i> , 0, 16, .	1.3	0
71	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
72	Precise fertilization technology of fruit trees based on quality analysis in China. , 2023, 3, 0-0.		0

#	ARTICLE	IF	CITATIONS
73	Letter: Application of optimization algorithms to engineering design problems and discrepancies in mathematical formulas. Applied Soft Computing Journal, 2023, 140, 110252.	4.1	2
74	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
75	An Improved CatBoost Algorithm for Red Fox Optimization in the Field of Anomaly Detection. , 2022, , .		0
76	Improved Whale Optimization Algorithm by Multi-mechanism Fusion. Communications in Computer and Information Science, 2023, , 131-143.	0.4	0
77	Smooth Exploration System: A novel ease-of-use and specialized module for improving exploration of whale optimization algorithm. Knowledge-Based Systems, 2023, 272, 110580.	4.0	3
99	Fick's Law Algorithm with Gaussian Mutation: Design and Analysis. Lecture Notes in Electrical Engineering, 2024, , 456-467.	0.3	0