Polar Bear Optimization Algorithm: Meta-Heuristic wit Dynamic Birth and Death Mechanism

Symmetry

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Citation Report

#	Article	IF	CITATIONS
1	An Iterated Hybrid Local Search Algorithm for Pick-and-Place Sequence Optimization. Symmetry, 2018, 10, 633.	2.2	5
2	Heat production optimization using bio-inspired algorithms. Engineering Applications of Artificial Intelligence, 2018, 76, 185-201.	8.1	13
3	A Novel Dynamic Generalized Opposition-Based Grey Wolf Optimization Algorithm. Algorithms, 2018, 11, 47.	2.1	2
4	Gaussian Guided Self-Adaptive Wolf Search Algorithm Based on Information Entropy Theory. Entropy, 2018, 20, 37.	2.2	3
5	A multi-information fusion "triple variables with iteration―inertia weight PSO algorithm and its application. Applied Soft Computing Journal, 2019, 84, 105677.	7.2	32
6	Constrained multi-objective optimization algorithms: Review and comparison with application in reinforced concrete structures. Applied Soft Computing Journal, 2019, 83, 105631.	7.2	92
7	Neutronic and thermal-hydraulic aspects of loading pattern optimization during the first cycle of VVER-1000 reactor using Polar Bear Optimization method. Annals of Nuclear Energy, 2019, 133, 538-548.	1.8	18
8	A Novel Hybrid Meta-Heuristic Algorithm Based on the Cross-Entropy Method and Firefly Algorithm for Global Optimization. Entropy, 2019, 21, 494.	2.2	17
9	Proposal of a Harmonic Bees Algorithm for Design Optimization of a Gripper Mechanism. Mechanisms and Machine Science, 2019, , 2829-2839.	0.5	4
10	A Heuristic Algorithm for the Routing and Scheduling Problem with Time Windows: A Case Study of the Automotive Industry in Mexico. Algorithms, 2019, 12, 111.	2.1	7
11	Bio-inspired voice evaluation mechanism. Applied Soft Computing Journal, 2019, 80, 342-357.	7.2	22
12	Solving a Special Case of the Generalized Assignment Problem Using the Modified Differential Evolution Algorithms: A Case Study in Sugarcane Harvesting. Journal of Open Innovation: Technology, Market, and Complexity, 2019, 5, 5.	5.2	5
13	Editorial of Special Issue "Information Technology and Its Applications― Symmetry, 2019, 11, 109.	2.2	1
14	Unusual phenomenon of optimizing the Griewank function with the increase of dimension. Frontiers of Information Technology and Electronic Engineering, 2019, 20, 1344-1360.	2.6	9
15	A hybrid self-adaptive sine cosine algorithm with opposition based learning. Expert Systems With Applications, 2019, 119, 210-230.	7.6	221
16	Solving high-dimensional global optimization problems using an improved sine cosine algorithm. Expert Systems With Applications, 2019, 123, 108-126.	7.6	134
18	A non-revisiting quantum-behaved particle swarm optimizationÂbased multilevel thresholding for image segmentation. Neural Computing and Applications, 2020, 32, 12011-12031.	5.6	27
19	m-MBOA: a novel butterfly optimization algorithm enhanced with mutualism scheme. Soft Computing, 2020, 24, 4809-4827.	3.6	54

#	ARTICLE	IF	CITATIONS
20	Hybrid multi-objective evolutionary algorithm based on Search Manager framework for big data optimization problems. Applied Soft Computing Journal, 2020, 87, 105991.	7.2	37
21	Bare-Bones Based Sine Cosine Algorithm for global optimization. Journal of Computational Science, 2020, 47, 101219.	2.9	19
22	Neural image reconstruction using a heuristic validation mechanism. Neural Computing and Applications, 2021, 33, 10787-10797.	5.6	25
23	A Comprehensive Survey on the Applications of Swarm Intelligence and Bio-Inspired Evolutionary Strategies. Learning and Analytics in Intelligent Systems, 2020, , 337-378.	0.6	14
24	Quasi Oppositional Population Based Polar Bear Optimization Algorithm for Solution of Economic Dispatch Problem. , 2020, , .		1
25	Optimal Scheduling of Grid Transactive Home Demand Responsive Appliances Using Polar Bear Optimization Algorithm. IEEE Access, 2020, 8, 222285-222296.	4.2	26
26	A Hybrid Modified Method of the Sine Cosine Algorithm Using Latin Hypercube Sampling with the Cuckoo Search Algorithm for Optimization Problems. Electronics (Switzerland), 2020, 9, 1786.	3.1	13
27	Risk-Averse Home Energy Management System. IEEE Access, 2020, 8, 91779-91798.	4.2	22
28	A New Workload Prediction Model Using Extreme Learning Machine and Enhanced Tug of War optimization. Procedia Computer Science, 2020, 170, 362-369.	2.0	21
29	EvoPreprocess—Data Preprocessing Framework with Nature-Inspired Optimization Algorithms. Mathematics, 2020, 8, 900.	2.2	7
30	ANN-Based Stop Criteria for a Genetic Algorithm Applied to Air Impingement Design. Energies, 2020, 13, 16.	3.1	6
31	A novel nature-inspired meta-heuristic algorithm for optimization: bear smell search algorithm. Soft Computing, 2020, 24, 13003-13035.	3.6	36
32	Polar Bear Optimization Algorithm deployed for Multi-Area Economic Dispatch incorporating Tie-Line Constraint., 2020,,.		3
33	Hybridization of Multi-Objective Deterministic Particle Swarm with Derivative-Free Local Searches. Mathematics, 2020, 8, 546.	2.2	15
34	A hybrid multiverse optimisation algorithm based on differential evolution and adaptive mutation. Journal of Experimental and Theoretical Artificial Intelligence, 2021, 33, 239-261.	2.8	6
35	Optimal Placement and Sizing of Shunt Capacitors in Radial Distribution System Using Polar Bear Optimization Algorithm. Arabian Journal for Science and Engineering, 2021, 46, 873-899.	3.0	23
36	Dimension by dimension dynamic sine cosine algorithm for global optimization problems. Applied Soft Computing Journal, 2021, 98, 106933.	7.2	28
37	A novel binary variant model of swarm inspired polar bear optimization algorithm employed for scalable unit commitment. International Transactions on Electrical Energy Systems, 2021, 31, e12711.	1.9	4

#	ARTICLE	IF	Citations
38	Solution of Combined Economic Emission Dispatch Problem Using Improved and Chaotic Population-Based Polar Bear Optimization Algorithm. IEEE Access, 2021, 9, 56152-56167.	4.2	24
39	A Levy Flight Sine Cosine Algorithm for Global Optimization Problems. International Journal of Distributed Systems and Technologies, 2021, 12, 49-66.	0.7	4
40	Atom Taylor Bird Swarm algorithm-based deep belief network for incremental classification using medical data. Journal of Ambient Intelligence and Humanized Computing, 2022, 13, 359-380.	4.9	3
41	A novel discrete elephant herding optimization-based PTS scheme to reduce the PAPR of universal filtered multicarrier signal. Engineering Science and Technology, an International Journal, 2021, 24, 1428-1441.	3.2	2
42	Performance up-gradation of Symbiotic Organisms Search by Backtracking Search Algorithm. Journal of Ambient Intelligence and Humanized Computing, 2022, 13, 5505-5546.	4.9	13
43	Pinhole-imaging-based learning butterfly optimization algorithm for global optimization and feature selection. Applied Soft Computing Journal, 2021, 103, 107146.	7.2	63
44	Heuristic Optimization Of 18-pulse Rectifier System., 2021,,.		4
45	Polar Bear Optimization For Industrial Computed Tomography With Incomplete Data. , 2021, , .		4
46	Image features extractor based on hybridization of fuzzy controller and meta-heuristic. , 2021, , .		4
47	A clustering based Swarm Intelligence optimization technique for the Internet of Medical Things. Expert Systems With Applications, 2021, 173, 114648.	7.6	27
48	Robustness and performance of Deep Reinforcement Learning. Applied Soft Computing Journal, 2021, 105, 107295.	7.2	19
49	Evolutionary Multiobjective Optimization with Endmember Priori Strategy for Large-Scale Hyperspectral Sparse Unmixing. Electronics (Switzerland), 2021, 10, 2079.	3.1	6
50	Solution to Solid Wood Board Cutting Stock Problem. Applied Sciences (Switzerland), 2021, 11, 7790.	2.5	4
51	A Novel Hybrid Gradient-Based Optimizer and Grey Wolf Optimizer Feature Selection Method for Human Activity Recognition Using Smartphone Sensors. Entropy, 2021, 23, 1065.	2.2	41
52	Dynamic sine cosine algorithm for large-scale global optimization problems. Expert Systems With Applications, 2021, 177, 114950.	7.6	49
53	P System–Based Clustering Methods Using NoSQL Databases. Computation, 2021, 9, 102.	2.0	2
54	A multi-objective differential evolution algorithm based on domination and constraint-handling switching. Information Sciences, 2021, 579, 796-813.	6.9	11
55	Improved political optimizer for complex landscapes and engineering optimization problems. Expert Systems With Applications, 2021, 182, 115178.	7.6	14

#	Article	IF	Citations
56	Meta-heuristic as manager in federated learning approaches for image processing purposes. Applied Soft Computing Journal, 2021, 113, 107872.	7.2	30
57	Remora optimization algorithm. Expert Systems With Applications, 2021, 185, 115665.	7.6	160
59	An improved firefly algorithm with dynamic self-adaptive adjustment. PLoS ONE, 2021, 16, e0255951.	2.5	5
60	Application of an Ant Colony Optimization Algorithm in Modeling the Heat Transfer in Porous Aluminum. Communications in Computer and Information Science, 2018, , 370-378.	0.5	0
61	Orca predation algorithm: A novel bio-inspired algorithm for global optimization problems. Expert Systems With Applications, 2022, 188, 116026.	7.6	69
62	7-Dimensional Optimization Task: PBO-Nature-Inspired Optimizer Versus 10-Years-Old Differential Evolution Based Optimizer 3rd Generation EPSDE. Advances in Intelligent Systems and Computing, 2020, , 11-25.	0.6	0
63	Finding the Optimal Features Reduct, a Hybrid Model of Rough Set and Polar Bear Optimization. Advances in Intelligent Systems and Computing, 2021, , 1596-1603.	0.6	1
64	Solving interval many-objective optimization problems by combination of NSGA-III and a local fruit fly optimization algorithm. Applied Soft Computing Journal, 2022, 114, 108096.	7.2	8
65	An enhanced moth flame optimization with mutualism scheme for function optimization. Soft Computing, 2022, 26, 2855-2882.	3.6	18
66	A new optimization algorithm inspired by the quest for the evolution of human society: Human felicity algorithm. Expert Systems With Applications, 2022, 193, 116468.	7.6	19
67	A Multi-agent PSO Algorithm to Determine the Membership percentage of Each Node in Overlapping Community in Social Networks. , 2020, , .		0
68	Bio-Inspired Optimization to Improve Neural Identifiers for Discrete-Time Nonlinear Systems., 2021,,.		1
69	Solving unconstrained, constrained optimization and constrained engineering problems using reconfigured water cycle algorithm. Evolutionary Intelligence, 2023, 16, 633-649.	3.6	1
70	A Review of the Modification Strategies of the Nature Inspired Algorithms for Feature Selection Problem. Mathematics, 2022, 10, 464.	2.2	60
71	An efficient orthogonal opposition-based learning slime mould algorithm for maximum power point tracking. Neural Computing and Applications, 2022, 34, 3671-3695.	5.6	18
72	Three-learning strategy particle swarm algorithm for global optimization problems. Information Sciences, 2022, 593, 289-313.	6.9	28
73	A heuristic approach to the hyperparameters in training spiking neural networks using spike-timing-dependent plasticity. Neural Computing and Applications, 2022, 34, 13187-13200.	5.6	7
74	Agent State Flipping Based Hybridization of Heuristic Optimization Algorithms: A Case of Bat Algorithm and Krill Herd Hybrid Algorithm. Algorithms, 2021, 14, 358.	2.1	10

#	ARTICLE	IF	CITATIONS
75	Plant stem tissue modeling and parameter identification using metaheuristic optimization algorithms. Scientific Reports, 2022, 12, 3992.	3.3	9
76	Covariance matrix adapted grey wolf optimizer tuned eXtreme gradient boost for bi-directional modelling of direct metal deposition process. Expert Systems With Applications, 2022, 199, 116971.	7.6	6
77	Spatiotemporal assessment of landslide susceptibility in Southern Sichuan, China using SA-DBN, PSO-DBN and SSA-DBN models compared with DBN model. Advances in Space Research, 2022, 69, 3071-3087.	2.6	17
78	DMDE: Diversity-maintained multi-trial vector differential evolution algorithm for non-decomposition large-scale global optimization. Expert Systems With Applications, 2022, 198, 116895.	7.6	66
79	An efficient optimizer for optimal overcurrent relay coordination in power distribution system. Expert Systems With Applications, 2022, 199, 116858.	7.6	8
80	MTV-MFO: Multi-Trial Vector-Based Moth-Flame Optimization Algorithm. Symmetry, 2021, 13, 2388.	2.2	32
81	Minimizing Power Peaking Factor of BEAVRS-based Reactor Using Polar Bear Optimization Algorithms. IOP Conference Series: Earth and Environmental Science, 2021, 927, 012004.	0.3	3
82	An improved adaptive neuro fuzzy inference system model using conjoined metaheuristic algorithms for electrical conductivity prediction. Scientific Reports, 2022, 12, 4934.	3.3	33
83	Binary Representation of Polar Bear Algorithm for Feature Selection. Computer Systems Science and Engineering, 2022, 43, 767-783.	2.4	2
84	Lens-imaging learning Harris hawks optimizer for global optimization and its application to feature selection. Expert Systems With Applications, 2022, 202, 117255.	7.6	20
85	Improved Binary Grasshopper Optimization Algorithm for Feature Selection Problem. Entropy, 2022, 24, 777.	2.2	8
86	A simplified non-equidistant grey prediction evolution algorithm for global optimization. Applied Soft Computing Journal, 2022, 125, 109081.	7.2	8
87	A Hybrid Optimization Algorithm for Water Volume Adjustment Problem in District Heating Systems. International Journal of Computational Intelligence Systems, 2022, 15, .	2.7	0
88	Artificial rabbits optimization: A new bio-inspired meta-heuristic algorithm for solving engineering optimization problems. Engineering Applications of Artificial Intelligence, 2022, 114, 105082.	8.1	206
89	Improved red fox optimizer with fuzzy theory and game theory for task scheduling in cloud environment. Journal of Computational Science, 2022, 63, 101805.	2.9	9
90	A velocity-guided Harris hawks optimizer for function optimization and fault diagnosis of wind turbine. Artificial Intelligence Review, 2023, 56, 2563-2605.	15.7	4
91	Enhanced Gaussian bare-bones grasshopper optimization: Mitigating the performance concerns for feature selection. Expert Systems With Applications, 2023, 212, 118642.	7.6	12
92	Multiclass feature selection with metaheuristic optimization algorithms: a review. Neural Computing and Applications, 2022, 34, 19751-19790.	5.6	44

#	Article	IF	CITATIONS
93	Multi-Objective Optimization of Viscous Damper Placement for Building Structures Subjected to Ground Motion. International Journal of Structural Stability and Dynamics, 2023, 23, .	2.4	2
94	Deep Neural Network Heuristic Hierarchization for Cooperative Intelligent Transportation Fleet Management. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 16752-16762.	8.0	18
95	A Hybrid Golden Jackal Optimization and Golden Sine Algorithm with Dynamic Lens-Imaging Learning for Global Optimization Problems. Applied Sciences (Switzerland), 2022, 12, 9709.	2.5	16
96	Autoencoder-based improved deep learning approach for schizophrenic EEG signal classification. Pattern Analysis and Applications, 2023, 26, 403-435.	4.6	2
97	A hybrid binary dwarf mongoose optimization algorithm with simulated annealing for feature selection on high dimensional multi-class datasets. Scientific Reports, 2022, 12, .	3.3	32
98	Membrane Clustering of Coronavirus Variants Using Document Similarity. Genes, 2022, 13, 1966.	2.4	1
99	Designing an optimization model for the vaccine supply chain during the COVID-19 pandemic. Expert Systems With Applications, 2023, 214, 119009.	7.6	27
100	The Effect of Harmony Memory Integration into the Bees Algorithm. Springer Series in Advanced Manufacturing, 2023, , 159-174.	0.5	0
101	A qualitative systematic review of metaheuristics applied to tension/compression spring design problem: Current situation, recommendations, and research direction. Engineering Applications of Artificial Intelligence, 2023, 118, 105521.	8.1	10
102	Self-Adapting Spherical Search Algorithm with Differential Evolution for Global Optimization. Mathematics, 2022, 10, 4519.	2.2	5
103	Orthogonal pinhole-imaging-based learning salp swarm algorithm with self-adaptive structure for global optimization. Frontiers in Bioengineering and Biotechnology, 0, 10, .	4.1	6
104	A reference vector based multiobjective evolutionary algorithm with Q-learning for operator adaptation. Swarm and Evolutionary Computation, 2023, 76, 101225.	8.1	5
105	Smart IoT Application in Soil Moisture and Heat Level Prediction Using Sine Cosine-Horse Herd Optimized Deep Learning. International Journal on Artificial Intelligence Tools, 0, , .	1.0	0
106	A Modified Oppositional Chaotic Local Search Strategy Based Aquila Optimizer to Design an Effective Controller for Vehicle Cruise Control System. Journal of Bionic Engineering, 2023, 20, 1828-1851.	5.0	15
107	The Bedbug Meta-heuristic Algorithm to Solve Optimization Problems. Journal of Bionic Engineering, 0, , .	5.0	0
108	Energy Management System in Industrial Microgrids. , 2023, , .		1
109	A modified Particle Swarm Optimization algorithm with enhanced search quality and population using Hummingbird Flight patterns. Decision Analytics Journal, 2023, 7, 100251.	4.8	4
110	Towards a polynomial approximation of support vector machine accuracy applied to Arabic tweet sentiment analysis. Mathematical Modeling and Computing, 2023, 10, 511-517.	1.0	0

#	Article	IF	CITATIONS
111	Bio-Inspired Algorithms for Wireless Network Optimization. Advances in Wireless Technologies and Telecommunication Book Series, 2023, , 13-35.	0.4	0
112	Metaheuristic-based time series clustering for anomaly detection in manufacturing industry. Applied Intelligence, 0, , .	5.3	0
113	Nature-Inspired Algorithms from Oceans to Space: A Comprehensive Review of Heuristic and Meta-Heuristic Optimization Algorithms and Their Potential Applications in Drones. Drones, 2023, 7, 427.	4.9	5
114	Multi-Strategy-Driven Salp Swarm Algorithm for Global Optimization. Journal of Computer and Communications, 2023, 11, 88-117.	0.9	0
115	A memetic quantum-inspired genetic algorithm based on tabu search. Evolutionary Intelligence, 0, , .	3.6	1
116	A dual-population evolutionary algorithm based on dynamic constraint processing and resources allocation for constrained multi-objective optimization problems. Expert Systems With Applications, 2024, 238, 121707.	7.6	1
117	Blockchain Assisted Cloud Security and Privacy Preservation using Hybridized Encryption and Deep Learning Mechanism in IoT-Healthcare Application. Journal of Grid Computing, 2023, 21, .	3.9	1
118	Quadratic Interpolation Optimization (QIO): A new optimization algorithm based on generalized quadratic interpolation and its applications to real-world engineering problems. Computer Methods in Applied Mechanics and Engineering, 2023, 417, 116446.	6.6	6
119	A new particle swarm optimization aided evolutionary digital filter for noise cancellation in early fault diagnosis of rotating machinery. Swarm and Evolutionary Computation, 2023, 83, 101407.	8.1	0
120	Addressing Power Loss and Voltage Profile Issues in Electrical Distribution Systems: A Novel Approach Using Polar Bear Gradient-Based Optimization. International Journal of Electrical & Electronics Research, 2023, 11, 788-793.	1.6	0
121	A Novel Evolutionary Algorithm: One-Dimensional Subspaces Optimization Algorithm (1D-SOA). Symmetry, 2023, 15, 1873.	2.2	1
122	A novel self-adaptive multi-population quadratic approximation guided jaya for solving real-parameter constrained optimization problems. Expert Systems With Applications, 2024, 238, 121898.	7.6	0
123	A matheuristic for aircraft maintenance routing problem incorporating cruise speed control. Expert Systems With Applications, 2024, 242, 122711.	7.6	0
124	An improved linear prediction evolution algorithm based on topological opposition-based learning for optimization. MethodsX, 2024, 12, 102511.	1.6	0
125	Heuristic-based image stitching algorithm with automation of parameters for smart solutions. Expert Systems With Applications, 2024, 241, 122792.	7.6	1
126	Balancing urban energy considering economic growth and environmental sustainability through integration of renewable energy. Sustainable Cities and Society, 2024, 101, 105178.	10.4	1
127	Heuristic-aided multi-objective function for satellite controller placement and routing in integrated satellite terrestrial network. Peer-to-Peer Networking and Applications, 2024, 17, 767-783.	3.9	0
128	The Pine Cone Optimization Algorithm (PCOA). Biomimetics, 2024, 9, 91.	3.3	0

# ARTICLE IF CITATIONS

129 Boosting manta rays foraging optimizer by trigonometry operators: a case study on medical dataset. Neural Computing and Applications, 0, , . . 5.6 0