Ali Wagdy Mohamed

List of Publications by Year
in descending order

88 papers	2,845 citations	257450 24 h-index	206112 48 g-index

88 all docs	88 docs citations	88 times ranked	1457 citing authors

#	Article	IF	Citations
1	S-shaped and V-shaped gaining-sharing knowledge-based algorithm for feature selection. Applied Intelligence, 2022, 52, 81-112.	5.3	41
2	Solving knapsack problems using a binary gaining sharing knowledge-based optimization algorithm. Complex & Intelligent Systems, 2022, 8, 43-63.	6.5	25
3	Fault section diagnosis of power systems with logical operation binary gainingâ€sharing knowledgeâ€based algorithm. International Journal of Intelligent Systems, 2022, 37, 1057-1080.	5.7	13
4	An Artificial Intelligence Approach for Solving Stochastic Transportation Problems. Computers, Materials and Continua, 2022, 70, 817-829.	1.9	2
5	Deep Stacked Ensemble Learning Model for COVID-19 Classification. Computers, Materials and Continua, 2022, 70, 5467-5469.	1.9	3
6	A Novel Multi-Objective Nonlinear Discrete Binary Gaining-Sharing knowledge-based Optimization Algorithm Optimum Scheduling of Flights for Residual S. International Journal of Applied Metaheuristic Computing, 2022, 13, 0-0.	0.7	0
7	Graph Transformer for Communities Detection in Social Networks. Computers, Materials and Continua, 2022, 70, 5707-5720.	1.9	4
8	Identification of apple diseases in digital images by using the Gaining-sharing knowledge-based algorithm for multilevel thresholding. Soft Computing, 2022, 26, 2587-2623.	3.6	16
9	Improved binary gainingâ€“sharing knowledge-based algorithm with mutation for fault section location in distribution networks. Journal of Computational Design and Engineering, 2022, 9, 393-405.	3.1	16
10	Gaining-Sharing Knowledge Based Algorithm for Solving Stochastic Programming Problems. Computers, Materials and Continua, 2022, 71, 2847-2868.	1.9	5
11	Clinical Data Analysis for Prediction of Cardiovascular Disease Using Machine Learning Techniques. Computational Intelligence and Neuroscience, 2022, 2022, 1-13.	1.7	31
12	Improved fish migration optimization with the opposition learning based on elimination principle for cluster head selection. Wireless Networks, 2022, 28, 1017-1038.	3.0	2
13	A multiobjective nonlinear combinatorial model for improved planning of tour visits using a novel binary gaining-sharing knowledge- based optimization algorithm. , 2022, , 237-264.		0
14	A Generalized Model for Scheduling Multi-Objective Multiple Shuttle Ambulance Vehicles to Evacuate COVID-19 Quarantine Cases. Profiles in Operations Research, 2022, , 287-303.	0.4	1
15	Dark Web Data Classification Using Neural Network. Computational Intelligence and Neuroscience, 2022, 2022, 1-11.	1.7	3
16	Effects of Integrated Fuzzy Logic PID Controller on Satellite Antenna Tracking System. Computational Intelligence and Neuroscience, 2022, 2022, 1-11.	1.7	6
17	A constrained cooperative adaptive multi-population differential evolutionary algorithm for economic load dispatch problems. Applied Soft Computing Journal, 2022, 121, 108719.	7.2	12
18	Airport terminal building capacity evaluation using queuing system. AEJ - Alexandria Engineering Journal, 2022, 61, 10109-10118.	6.4	4

#	Article	IF	Citations
19	Guided Hybrid Modified Simulated Annealing Algorithm for Solving Constrained Global Optimization Problems. Mathematics, 2022, 10, 1312.	2.2	13
20	A new median-average round Robin scheduling algorithm: An optimal approach for reducing turnaround and waiting time. AEJ - Alexandria Engineering Journal, 2022, 61, 10527-10538.	6.4	17
21	Chaos Embed Marine Predator (CMPA) Algorithm for Feature Selection. Mathematics, 2022, 10, 1411.	2.2	14
22	HNIO: A Hybrid Nature-Inspired Optimization Algorithm for Energy Minimization in UAV-Assisted Mobile Edge Computing. IEEE Transactions on Network and Service Management, 2022, 19, 3264-3275.	4.9	3
23	Development and Applications of Augmented Whale Optimization Algorithm. Mathematics, 2022, 10, 2076.	2.2	4
24	Harris Hawk Optimization-Based Deep Neural Networks Architecture for Optimal Bidding in the Electricity Market. Mathematics, 2022, 10, 2094.	2.2	6
25	Forgetting velocity based improved comprehensive learning particle swarm optimization for non-convex economic dispatch problems with valve-point effects and multi-fuel options. Energy, 2022, 256, 124511.	8.8	12
26	An efficient algorithm for data parallelism based on stochastic optimization. AEJ - Alexandria Engineering Journal, 2022, 61, 12005-12017.	6.4	3
27	A novel binary gainingâ€“sharing knowledge-based optimization algorithm for feature selection. Neural Computing and Applications, 2021, 33, 5989-6008.	5.6	65
28	Managing Delivery of Safeguarding Substances as a Mitigation Against Outbreaks of Pandemics. Computers, Materials and Continua, 2021, 68, 1161-1181.	1.9	1
29	Enhanced Success History Adaptive DE for Parameter Optimization of Photovoltaic Models. Complexity, 2021, 2021, 1-22.	1.6	43
30	Online Bus Services. Advances in Logistics, Operations, and Management Science Book Series, 2021, , 178-188.	0.4	0
31	Optimum Scheduling of the Disinfection Process for COVID-19 in Public Places with a Case Study from Egypt, a Novel Discrete Binary Gaining-Sharing Knowledge-Based Metaheuristic Algorithm. Studies in Systems, Decision and Control, 2021, , 215-228.	1.0	0
32	Optimum Distribution of Protective Materials for COVIDâ˜'19 with a Discrete Binary Gaining-Sharing Knowledge-Based Optimization Algorithm. EAI/Springer Innovations in Communication and Computing, 2021, , 135-157.	1.1	3
33	A Stochastic Flight Problem Simulation to Minimize Cost of Refuelling. Computers, Materials and Continua, 2021, 69, 849-871.	1.9	0
34	Chaotic gaining sharing knowledge-based optimization algorithm: an improved metaheuristic algorithm for feature selection. Soft Computing, 2021, 25, 9505-9528.	3.6	49
35	Gaining-Sharing Knowledge Based Algorithm with Adaptive Parameters Hybrid with IMODE Algorithm for Solving CEC 2021 Benchmark Problems. , 2021, , .		36
36	Using Machine Learning Algorithms for Breast Cancer Diagnosis. International Journal of Applied Metaheuristic Computing, 2021, 12, 117-137.	0.7	1

#	Article	IF	Citations
37	A new method for parameter extraction of solar photovoltaic models using gainingâ€“sharingâ€‹ knowledge based algorithm. Energy Reports, 2021, 7, 3286-3301.	5.1	60
38	Differential Evolution Mutations: Taxonomy, Comparison and Convergence Analysis. IEEE Access, 2021, 9, 68629-68662.	4.2	44
39	A Travelling Disinfection-Man Problem (TDP) for COVID-19: A Nonlinear Binary Constrained Gaining-Sharing Knowledge-Based Optimization Algorithm. Algorithms for Intelligent Systems, 2021, , 291-318.	0.6	4
40	Advance Artificial Intelligence Technique for Designing Double T-Shaped Monopole Antenna. Computers, Materials and Continua, 2021, 69, 2983-2995.	1.9	27
41	Scheduling shuttle ambulance vehicles for COVID-19 quarantine cases, a multi-objective multiple 0â€“1 knapsack model with a novel Discrete Binary Gaining-Sharing knowledge-based optimization algorithm. , 2021, , 675-698.		4
42	Gaining-Sharing Knowledge Based Algorithm With Adaptive Parameters for Engineering Optimization. IEEE Access, 2021, 9, 65934-65946.	4.2	21
43	Optimum Location of Field Hospitals for COVID-19: A Nonlinear Binary Metaheuristic Algorithm. Computers, Materials and Continua, 2021, 68, 1183-1202.	1.9	10
44	Metaheuristic Algorithms on Feature Selection: A Survey of One Decade of Research (2009-2019). IEEE Access, 2021, 9, 26766-26791.	4.2	237
45	A Novel Discrete Binary Gaining-Sharing Knowledge-Based Optimization Algorithm for the Travelling Counselling Problem for Utilization of Solar Energy. International Journal of Swarm Intelligence Research, 2021, 13, 1-24.	0.7	1
46	Application of Water Cycle Algorithm to Stochastic Fractional Programming Problems. International Journal of Swarm Intelligence Research, 2021, 13, 1-21.	0.7	2
47	Large Scale Global Optimization Algorithms for IoT Networks: A Comparative Study. , 2021, , .		1
48	GSK-RL: Adaptive Gaining-sharing Knowledge algorithm using Reinforcement Learning. , 2021, , .		5
49	Design of the Baseband Physical Layer of NarrowBand IoT LTE Uplink Digital Transmitter. Journal of Circuits, Systems and Computers, 2020, 29, 2050111.	1.5	2
50	Enhanced harmony search algorithm with circular region perturbation for global optimization problems. Applied Intelligence, 2020, 50, 951-975.	5.3	7
51	Gaining-sharing knowledge based algorithm for solving optimization problems: a novel nature-inspired algorithm. International Journal of Machine Learning and Cybernetics, 2020, 11, 1501-1529.	3.6	271
52	Swarm Intelligence Application to UAV Aided IoT Data Acquisition Deployment Optimization. IEEE Access, 2020, 8, 175660-175668.	4.2	29
53	Evaluating the Performance of Adaptive GainingSharing Knowledge Based Algorithm on CEC 2020 Benchmark Problems. , 2020, , .		74
54	Solution of Uncertain Solid Transportation Problem by Integer Gaining Sharing Knowledge Based Optimization Algorithm. , 2020, , .		4

#	Article	IF	Citations
55	Adaptive Differential Evolution Based on Successful Experience Information. IEEE Access, 2020, 8, 164611-164636.	4.2	11
56	Neural Knapsack: A Neural Network Based Solver for the Knapsack Problem. IEEE Access, 2020, 8, 224200-224210.	4.2	8
57	Generalized Adaptive Differential Evolution algorithm for Solving CEC 2020 Benchmark Problems. , 2020, , .		8
58	Optimum Scheduling the Electric Distribution Substations with a Case Study: An Integer Gaining-Sharing Knowledge-Based Metaheuristic Algorithm. Complexity, 2020, 2020, 1-13.	1.6	1
59	Stochastic Travelling Advisor Problem Simulation with a Case Study: A Novel Binary Gaining-Sharing Knowledge-Based Optimization Algorithm. Complexity, 2020, 2020, 1-15.	1.6	3
60	Enhanced Directed Differential Evolution Algorithm for Solving Constrained Engineering Optimization Problems. International Journal of Applied Metaheuristic Computing, 2019, 10, 1-28.	0.7	35
61	LSHADE-SPA memetic framework for solving large-scale optimization problems. Complex & Intelligent Systems, 2019, 5, 25-40.	6.5	64
62	Novel mutation strategy for enhancing SHADE and LSHADE algorithms for global numerical optimization. Swarm and Evolutionary Computation, 2019, 50, 100455.	8.1	167
63	Solving Constrained Non-linear Integer and Mixed-Integer Global Optimization Problems Using Enhanced Directed Differential Evolution Algorithm. Studies in Computational Intelligence, 2019, , 327-349.	0.9	6
64	Adaptive guided differential evolution algorithm with novel mutation for numerical optimization. International Journal of Machine Learning and Cybernetics, 2019, 10, 253-277.	3.6	177
65	Real-Parameter Unconstrained Optimization Based on Enhanced AGDE Algorithm. Studies in Computational Intelligence, 2019, , 431-450.	0.9	25
66	A novel differential evolution algorithm for solving constrained engineering optimization problems. Journal of Intelligent Manufacturing, 2018, 29, 659-692.	7.3	118
67	Real-parameter unconstrained optimization based on enhanced fitness-adaptive differential evolution algorithm with novel mutation. Soft Computing, 2018, 22, 3215-3235.	3.6	132
68	Enhancing AGDE Algorithm Using Population Size Reduction for Global Numerical Optimization. Advances in Intelligent Systems and Computing, 2018, , 62-72.	0.6	13
69	Control Parameters in Differential Evolution (DE): A Short Review. Robotics & Automation Engineering Journal, 2018, 3, .	0.1	4
70	An efficient modified differential evolution algorithm for solving constrained non-linear integer and mixed-integer global optimization problems. International Journal of Machine Learning and Cybernetics, 2017, 8, 989-1007.	3.6	25
71	Solving large-scale global optimization problems using enhanced adaptive differential evolution algorithm. Complex & Intelligent Systems, 2017, 3, 205-231.	6.5	50
72	LSHADE with semi-parameter adaptation hybrid with CMA-ES for solving CEC 2017 benchmark problems. , 2017, , .		171

#	Article	IF	Citations
73	Solving stochastic programming problems using new approach to Differential Evolution algorithm. Egyptian Informatics Journal, 2017, 18, 75-86.	6.8	19
74	Differential Evolution with Novel Mutation and Adaptive Crossover Strategies for Solving Large Scale Global Optimization Problems. Applied Computational Intelligence and Soft Computing, 2017, 2017, 1-18.	2.3	28
75	Differential Evolution (DE): A Short Review. Robotics & Automation Engineering Journal, 2017, 2, .	0.1	4
76	A Generalized National Planning Approach for Admission Capacity in Higher Education: A Nonlinear Integer Goal Programming Model with a Novel Differential Evolution Algorithm. Computational Intelligence and Neuroscience, 2016, 2016, 1-14.	1.7	16
77	A Multistage Procedure for Optimal Distribution of Preparatory-Year Students to Faculties and Departments: A Mixed Integer Nonlinear Goal Programming Model with Enhanced Differential Evolution Algorithm. Journal of Computational and Theoretical Nanoscience, 2016, 13, 7847-7863.	0.4	4
78	Higher Education Admission Capacity Planning Using a Large Scale Nonlinear Integer Goal Programming Model with Improved Differential Evolution Algorithm. Journal of Computational and Theoretical Nanoscience, 2016, 13, 7864-7878.	0.4	4
79	A Large-Scale Nonlinear Mixed-Binary Goal Programming Model to Assess Candidate Locations for Solar Energy Stations: An Improved Real-Binary Differential Evolution Algorithm with a Case Study. Journal of Computational and Theoretical Nanoscience, 2016, 13, 7909-7921.	0.4	25
80	A New Modified Binary Differential Evolution Algorithm and its Applications. Applied Mathematics and Information Sciences, 2016, 10, 1965-1969.	0.5	12
81	A New Modified Binary Differential Evolution Algorithm and its Applications. Sohag Journal of Sciences, 2016, 1, 29-35.	0.2	1
82	A Nonlinear Goal Programming Model for University Admission Capacity Planning with Modified Differential Evolution Algorithm. Mathematical Problems in Engineering, 2015, 2015, 1-13.	1.1	16
83	An improved differential evolution algorithm with triangular mutation for global numerical optimization. Computers and Industrial Engineering, 2015, 85, 359-375.	6.3	107
84	RDEL: Restart Differential Evolution algorithm with Local Search Mutation for global numerical optimization. Egyptian Informatics Journal, 2014, 15, 175-188.	6.8	30
85	Real parameter optimization by an effective differential evolution algorithm. Egyptian Informatics Journal, 2013, 14, 37-53.	6.8	43
86	Constrained optimization based on modified differential evolution algorithm. Information Sciences, 2012, 194, 171-208.	6.9	175
87	An alternative differential evolution algorithm for global optimization. Journal of Advanced Research, 2012, 3, 149-165.	9.5	80
88	Advanced Differential Evolution algorithm for global numerical optimizatiom. , 2011, , .		6