Ahmed Fouad Ali

List of Publications by Year
in descending order

63 papers	617 citations	758635 12 h-index	676716 22 g-index
69 all docs	69 docs citations	69 times ranked	552 citing authors

#	Article	IF	Citations
1	A Hybrid grey wolf optimizer and genetic algorithm for minimizing potential energy function. Memetic Computing, 2017, 9, 347-359.	2.7	91
2	A hybrid particle swarm optimization and genetic algorithm with population partitioning for large scale optimization problems. Ain Shams Engineering Journal, 2017, 8, 191-206.	3.5	85
3	CT Liver Segmentation Using Artificial Bee Colony Optimisation. Procedia Computer Science, 2015, 60, 1622-1630.	1.2	35
4	Tabu search with multi-level neighborhood structures for high dimensional problems. Applied Intelligence, 2012, 37, 189-206.	3.3	33
5	A hybrid cuckoo search algorithm with Nelder Mead method for solving global optimization problems. SpringerPlus, 2016, 5, 473.	1.2	30
6	A hybrid social spider optimization and genetic algorithm for minimizing molecular potential energy function. Soft Computing, 2017, 21, 6499-6514.	2.1	24
7	A modified salp swarm algorithm for task assignment problem. Applied Soft Computing Journal, 2020, 94, 106445.	4.1	20
8	Genetic algorithm and Tabu search based methods for molecular 3D-structure prediction. Numerical Algebra, Control and Optimization, 2011, 1, 191-209.	1.0	19
9	An improved particle swarm optimization with a new swap operator for team formation problem. Journal of Industrial Engineering International, 2019, 15, 53-71.	1.8	16
10	A Hybrid PSO and DE Algorithm for Solving Engineering Optimization Problems. Applied Mathematics and Information Sciences, 2016, 10, 431-449.	0.7	16
11	A simplex social spider algorithm for solving integer programming and minimax problems. Memetic Computing, 2016, 8, 169-188.	2.7	13
12	Multi-directional bat algorithm for solving unconstrained optimization problems. Opsearch, 2017, 54, 684-705.	1.1	12
13	Nature Inspired Optimization Algorithms for CT Liver Segmentation. Studies in Computational Intelligence, 2016, , 431-460.	0.7	11
14	An improved Jaya algorithm with a modified swap operator for solving team formation problem. Soft Computing, 2020, 24, 16627-16641.	2.1	11
15	Hybrid crow search and uniform crossover algorithm-based clustering for top-N recommendation system. Neural Computing and Applications, 2021, 33, 7145-7164.	3.2	11
16	Feature Selection Method Based on Chaotic Maps and Butterfly Optimization Algorithm. Advances in Intelligent Systems and Computing, 2020, , 159-169.	0.5	11
17	Swarm intelligence algorithms and their applications in Internet of Things. , 2020, , 1-19.		11
18	Region Growing Segmentation with Iterative K-means for CT Liver Images. , 2015, , .		10

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19	An Improved Sunflower Optimization Algorithm for Cluster Head Selection in the Internet of Things. IEEE Access, 2021, 9, 156171-156186.	2.6	10
20	Hybrid Curvelet Transform and Least Significant Bit for image steganography. , 2015, , .		9
21	Simplex particle swarm optimization with arithmetical crossover for solving global optimization problems. Opsearch, 2016, 53, 705-740.	1.1	9
22	Minimizing molecular potential energy function using genetic Nelder-Mead algorithm. , 2013, , .		8
23	A Survey of Metaheuristics Methods forÂBioinformatics Applications. Intelligent Systems Reference Library, 2016, , 23-46.	1.0	8
24	Hybrid Simulated Annealing and Nelder-Mead Algorithm for Solving Large-Scale Global Optimization Problems. International Journal of Research in Computer Science, 2014, 4, 1-11.	0.3	7
25	Genetic algorithm with population partitioning and space reduction for high dimensional problems. , 2009, , .		6
26	Finding the 3D-Structure of a molecule using genetic algorithm and tabu search methods. , 2010, , .		6
27	A New Hybrid Particle Swarm Optimization with Variable Neighborhood Search for Solving Unconstrained Global Optimization Problems. Advances in Intelligent Systems and Computing, 2014, , 151-160.	0.5	6
28	Artificial Bee Colony Based Segmentation for CT Liver Images. Studies in Computational Intelligence, 2016, , 409-430.	0.7	6
29	A Hybrid Grey Wolf Based Segmentation with Statistical Image for CT Liver Images. Advances in Intelligent Systems and Computing, 2017, , 846-855.	0.5	6
30	3D Protein Structure Prediction with Genetic Tabu Search Algorithm in Off-Lattice AB Model. , 2009, , .		5
31	System Verilog Assertions Synthesis Based Compiler. , 2016, , .		5
32	Multidirectional harmony search algorithm for solving integer programming and minimax problems. International Journal of Bio-Inspired Computation, 2019, 13, 141.	0.6	5
33	Artificial bee colony optimizer for historical Arabic manuscript images binarization. , 2015, , .		4
34	An Improved Spider Monkey Optimization for Solving a Convex Economic Dispatch Problem. Modeling and Optimization in Science and Technologies, 2017, , 425-448.	0.7	4
35	Multidirectional Grey Wolf Optimizer Algorithm for Solving Global Optimization Problems. International Journal of Computational Intelligence and Applications, 2018, 17, 1850022.	0.6	4
36	Wolf Local Thresholding Approach for Liver Image Segmentation in CT Images. Advances in Intelligent Systems and Computing, 2016, , 641-651.	0.5	4

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37	Direct Search Firefly Algorithm for Solving Global Optimization Problems. Applied Mathematics and Information Sciences, 2016, 10, 841-860.	0.7	4
38	Genetic Local Search Algorithm with Self-Adaptive Population Resizing for Solving Global Optimization Problems. International Journal of Information Engineering and Electronic Business, 2014, 6, 51-63.	1.0	4
39	A Discrete Chimp Optimization Algorithm for Minimizing Tardy/Lost Penalties on a Single Machine Scheduling Problem. IEEE Access, 2022, 10, 52126-52138.	2.6	4
40	Hybrid Particle Swarm Optimization with a Modified Arithmetical Crossover for Solving Unconstrained Optimization Problems. Infor, 2015, 53, 125-141.	0.5	3
41	The Nelder-Mead Simplex Method with Variables Partitioning for Solving Large Scale Optimization Problems. Advances in Intelligent Systems and Computing, 2014, , 271-284.	0.5	3
42	Enhanced Region Growing Segmentation for CT Liver Images. Advances in Intelligent Systems and Computing, 2016, , 115-127.	0.5	3
43	A simplex grey wolf optimizer for solving integer programming and minimax problems. Numerical Algebra, Control and Optimization, 2017, 7, 301-323.	1.0	3
44	Image fusion approach with noise reduction using Genetic algorithm. International Journal of Advanced Computer Science and Applications, 2013, 4, .	0.5	3
45	Direct Gravitational Search Algorithm for Global Optimisation Problems. East Asian Journal on Applied Mathematics, 2016, 6, 290-313.	0.4	2
46	A Modified Sunflower Optimization Algorithm for Wireless Sensor Networks. Advances in Intelligent Systems and Computing, 2020, , 213-222.	0.5	2
47	A Hybrid Curvelet Transform and Genetic Algorithm for Image Steganography. International Journal of Advanced Computer Science and Applications, 2017, 8, .	0.5	2
48	An effective hybrid firefly algorithm with the cuckoo search for engineering optimization problems. Mathematical Foundations of Computing, 2018, 1, 349-368.	0.7	2
49	Hybrid bat algorithm and direct search methods for solving minimax problems. International Journal of Hybrid Intelligent Systems, 2018, 14, 209-223.	0.9	1
50	Advanced Parallel Genetic Algorithm with Gene Matrix for Global Optimization. Communications in Computer and Information Science, 2012, , 295-303.	0.4	1
51	A novel hybrid genetic differential evolution algorithm for constrained optimization problems. International Journal of Advanced Research in Artificial Intelligence, 2014, 3, .	0.2	1
52	An enhanced Jaya algorithm for solving nurse scheduling problem. International Journal of Grid and Utility Computing, 2019, 10, 439.	0.1	1
53	Molecular classification of Newcastle disease virus based on degree of virulence. , 2014, , .		0
54	Weighted reduct selection metaheuristic based approach for rules reduction and visualization. , 2016, , .		0

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55	A Simplex Nelder Mead Genetic Algorithm for Minimizing Molecular Potential Energy Function. Intelligent Systems Reference Library, 2016, , 1-21.	1.0	0
56	A novel hybrid genetic differential evolution algorithm for constrained optimization problems. International Journal of Advanced Research in Artificial Intelligence, 2014, 3, .	0.2	0
57	Differential Evolution Algorithm with Space Partitioning for Large-Scale Optimization Problems. International Journal of Intelligent Systems and Applications, 2015, 7, 49-59.	0.9	0
58	Hybrid Differential Evolution and Simulated Annealing Algorithm for Minimizing Molecular Potential Energy Function. Advances in Intelligent Systems and Computing, 2016, , 287-296.	0.5	0
59	Differential Evolution Algorithm with Space Reduction for Solving Large-Scale Global Optimization Problems. Advances in Computational Intelligence and Robotics Book Series, 2017, , 671-694.	0.4	0
60	Solving Integer Programming Problems by Hybrid Bat Algorithm and Direct Search Method. Trends in Artificial Intelligence, 2018, 2, .	0.0	0
61	An enhanced Jaya algorithm for solving nurse scheduling problem. International Journal of Grid and Utility Computing, 2019, 10, 439.	0.1	0
62	Social spider optimization. , 2020, , 293-305.		0
63	Social Spider Optimization Modifications and Applications. , 2020, , 301-312.		0