Ahmed Fouad Ali

List of Publications by Citations

57 papers	426 citations	10 h-index	18 g-index
69 ext. papers	512 ext. citations	1.5 avg, IF	4.5 L-index

#	Paper	IF	Citations
57	A Hybrid grey wolf optimizer and genetic algorithm for minimizing potential energy function. *Memetic Computing*, **2017**, 9, 347-359	3.4	70
56	A hybrid particle swarm optimization and genetic algorithm with population partitioning for large scale optimization problems. *Ain Shams Engineering Journal*, **2017**, 8, 191-206	4.4	47
55	CT Liver Segmentation Using Artificial Bee Colony Optimisation. *Procedia Computer Science*, **2015**, 60, 1622-1630	1.6	29
54	Tabu search with multi-level neighborhood structures for high dimensional problems. *Applied Intelligence*, **2012**, 37, 189-206	4.9	29
53	A hybrid cuckoo search algorithm with Nelder Mead method for solving global optimization problems. *SpringerPlus*, **2016**, 5, 473		24
52	A hybrid social spider optimization and genetic algorithm for minimizing molecular potential energy function. *Soft Computing*, **2017**, 21, 6499-6514	3.5	19
51	Genetic algorithm and Tabu search based methods for molecular 3D-structure prediction. *Numerical Algebra, Control and Optimization*, **2011**, 1, 191-209	1.7	15
50	A simplex social spider algorithm for solving integer programming and minimax problems. *Memetic Computing*, **2016**, 8, 169-188	3.4	13
49	A Hybrid PSO and DE Algorithm for Solving Engineering Optimization Problems. *Applied Mathematics and Information Sciences*, **2016**, 10, 431-449	2.4	12
48	Multi-directional bat algorithm for solving unconstrained optimization problems. *Opsearch*, **2017**, 54, 684-705	1.6	10
47	Nature Inspired Optimization Algorithms for CT Liver Segmentation. *Studies in Computational Intelligence*, **2016**, 431-460	0.8	10
46	A modified salp swarm algorithm for task assignment problem. *Applied Soft Computing Journal*, **2020**, 94, 106445	7.5	8
45	An improved particle swarm optimization with a new swap operator for team formation problem. *Journal of Industrial Engineering International*, **2019**, 15, 53-71	2.6	8
44	Region Growing Segmentation with Iterative K-means for CT Liver Images **2015**,		8
43	Simplex particle swarm optimization with arithmetical crossover for solving global optimization problems. *Opsearch*, **2016**, 53, 705-740	1.6	8
42	An improved Jaya algorithm with a modified swap operator for solving team formation problem. *Soft Computing*, **2020**, 24, 16627-16641	3.5	6
41	Artificial Bee Colony Based Segmentation for CT Liver Images. *Studies in Computational Intelligence*, **2016**, 409-430	0.8	6

40	Minimizing molecular potential energy function using genetic Nelder-Mead algorithm **2013**,		6
39	Hybrid Curvelet Transform and Least Significant Bit for image steganography **2015**,		6
38	A Survey of Metaheuristics Methods for Bioinformatics Applications. *Intelligent Systems Reference Library*, **2016**, 23-46	0.8	5
37	Finding the 3D-Structure of a molecule using genetic algorithm and tabu search methods **2010**,		5
36	Genetic algorithm with population partitioning and space reduction for high dimensional problems **2009**,		5
35	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		5
34	Multidirectional harmony search algorithm for solving integer programming and minimax problems. *International Journal of Bio-Inspired Computation*, **2019**, 13, 141	2.9	5
33	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	0.4	4
32	Artificial bee colony optimizer for historical Arabic manuscript images binarization **2015**,		4
31	Feature Selection Method Based on Chaotic Maps and Butterfly Optimization Algorithm. *Advances in Intelligent Systems and Computing*, **2020**, 159-169	0.4	4
30	Wolf Local Thresholding Approach for Liver Image Segmentation in CT Images. *Advances in Intelligent Systems and Computing*, **2016**, 641-651	0.4	4
29	Hybrid crow search and uniform crossover algorithm-based clustering for top-N recommendation system. *Neural Computing and Applications*, **2021**, 33, 7145-7164	4.8	4
28	A Hybrid Grey Wolf Based Segmentation with Statistical Image for CT Liver Images. *Advances in Intelligent Systems and Computing*, **2017**, 846-855	0.4	3
27	Hybrid Particle Swarm Optimization with a Modified Arithmetical Crossover for Solving Unconstrained Optimization Problems. *Infor*, **2015**, 53, 125-141	0.5	3
26	3D Protein Structure Prediction with Genetic Tabu Search Algorithm in Off-Lattice AB Model **2009**,		3
25	An Improved Sunflower Optimization Algorithm for Cluster Head Selection in the Internet of Things. *IEEE Access*, **2021**, 9, 156171-156186	3.5	3
24	A simplex grey wolf optimizer for solving integer programming and minimax problems. *Numerical Algebra, Control and Optimization*, **2017**, 7, 301-323	1.7	3
23	The Nelder-Mead Simplex Method with Variables Partitioning for Solving Large Scale Optimization Problems. *Advances in Intelligent Systems and Computing*, **2014**, 271-284	0.4	3

22	Memetic Artificial Bee Colony for Integer Programming. *Communications in Computer and Information Science*, **2014**, 268-277	0.3	3
21	Enhanced Region Growing Segmentation for CT Liver Images. *Advances in Intelligent Systems and Computing*, **2016**, 115-127	0.4	3
20	Swarm intelligence algorithms and their applications in Internet of Things **2020**, 1-19		3
19	Multidirectional Grey Wolf Optimizer Algorithm for Solving Global Optimization Problems. *International Journal of Computational Intelligence and Applications*, **2018**, 17, 1850022	1.2	3
18	An Improved Spider Monkey Optimization for Solving a Convex Economic Dispatch Problem. *Modeling and Optimization in Science and Technologies*, **2017**, 425-448	0.6	2
17	A Novel Hybrid Perceptron Neural Network Algorithm for Classifying Breast MRI Tumors. *Communications in Computer and Information Science*, **2014**, 357-366	0.3	2
16	An effective hybrid firefly algorithm with the cuckoo search for engineering optimization problems. *Mathematical Foundations of Computing*, **2018**, 1, 349-368	0.9	2
15	A Modified Sunflower Optimization Algorithm for Wireless Sensor Networks. *Advances in Intelligent Systems and Computing*, **2020**, 213-222	0.4	2
14	Direct Gravitational Search Algorithm for Global Optimisation Problems. *East Asian Journal on Applied Mathematics*, **2016**, 6, 290-313	4	2
13	Hybrid bat algorithm and direct search methods for solving minimax problems. *International Journal of Hybrid Intelligent Systems*, **2018**, 14, 209-223	0.9	1
12	Grey Wolf Optimizer **2020**, 207-218		1
11	System Verilog Assertions Synthesis Based Compiler **2016**,		1
10	A Discrete Chimp Optimization Algorithm for Minimizing Tardy/Lost Penalties on a Single Machine Scheduling Problem. *IEEE Access*, **2022**, 1-1	3.5	0
9	Newcastle Disease Virus Clustering Based on Swarm Rapid Centroid Estimation. *Advances in Intelligent Systems and Computing*, **2016**, 359-367	0.4	
8	A Simplex Nelder Mead Genetic Algorithm for Minimizing Molecular Potential Energy Function. *Intelligent Systems Reference Library*, **2016**, 1-21	0.8	
7	Chaotic Harris Hawk Optimization Algorithm for Training Feed-Forward Neural Network. *Lecture Notes on Data Engineering and Communications Technologies*, **2022**, 382-391	0.4	
6	Grey Wolf Optimizer - Modifications and Applications **2020**, 215-227		
5	Social spider optimization **2020**, 293-305		

List of Publications

4	Social Spider Optimization Modifications and Applications **2020**, 301-312	
3	Hybrid Differential Evolution and Simulated Annealing Algorithm for Minimizing Molecular Potential Energy Function. *Advances in Intelligent Systems and Computing*, **2016**, 287-296	0.4
2	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
1	Advanced Parallel Genetic Algorithm with Gene Matrix for Global Optimization. *Communications in Computer and Information Science*, **2012**, 295-303	0.3