

# Ahmed Fouad Ali

## List of Publications by Year in Descending Order

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**Version:** 2024-04-25

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Chaotic Harris Hawk Optimization Algorithm for Training Feed-Forward Neural Network. <i>Lecture Notes on Data Engineering and Communications Technologies</i> , <b>2022</b> , 382-391	0.4	
56	A Discrete Chimp Optimization Algorithm for Minimizing Tardy/Lost Penalties on a Single Machine Scheduling Problem. <i>IEEE Access</i> , <b>2022</b> , 1-1	3.5	0
55	An Improved Sunflower Optimization Algorithm for Cluster Head Selection in the Internet of Things. <i>IEEE Access</i> , <b>2021</b> , 9, 156171-156186	3.5	3
54	Hybrid crow search and uniform crossover algorithm-based clustering for top-N recommendation system. <i>Neural Computing and Applications</i> , <b>2021</b> , 33, 7145-7164	4.8	4
53	An improved Jaya algorithm with a modified swap operator for solving team formation problem. <i>Soft Computing</i> , <b>2020</b> , 24, 16627-16641	3.5	6
52	A modified salp swarm algorithm for task assignment problem. <i>Applied Soft Computing Journal</i> , <b>2020</b> , 94, 106445	7.5	8
51	Grey Wolf Optimizer <b>2020</b> , 207-218		1
50	Grey Wolf Optimizer - Modifications and Applications <b>2020</b> , 215-227		
49	Social spider optimization <b>2020</b> , 293-305		
48	Social Spider Optimization Modifications and Applications <b>2020</b> , 301-312		
47	Feature Selection Method Based on Chaotic Maps and Butterfly Optimization Algorithm. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 159-169	0.4	4
46	A Modified Sunflower Optimization Algorithm for Wireless Sensor Networks. <i>Advances in Intelligent Systems and Computing</i> , <b>2020</b> , 213-222	0.4	2
45	Swarm intelligence algorithms and their applications in Internet of Things <b>2020</b> , 1-19		3
44	An improved particle swarm optimization with a new swap operator for team formation problem. <i>Journal of Industrial Engineering International</i> , <b>2019</b> , 15, 53-71	2.6	8
43	Multidirectional harmony search algorithm for solving integer programming and minimax problems. <i>International Journal of Bio-Inspired Computation</i> , <b>2019</b> , 13, 141	2.9	5
42	Hybrid bat algorithm and direct search methods for solving minimax problems. <i>International Journal of Hybrid Intelligent Systems</i> , <b>2018</b> , 14, 209-223	0.9	1
41	An effective hybrid firefly algorithm with the cuckoo search for engineering optimization problems. <i>Mathematical Foundations of Computing</i> , <b>2018</b> , 1, 349-368	0.9	2

40	Multidirectional Grey Wolf Optimizer Algorithm for Solving Global Optimization Problems. <i>International Journal of Computational Intelligence and Applications</i> , <b>2018</b> , 17, 1850022	1.2	3
39	A hybrid social spider optimization and genetic algorithm for minimizing molecular potential energy function. <i>Soft Computing</i> , <b>2017</b> , 21, 6499-6514	3.5	19
38	Multi-directional bat algorithm for solving unconstrained optimization problems. <i>Opsearch</i> , <b>2017</b> , 54, 684-705	1.6	10
37	An Improved Spider Monkey Optimization for Solving a Convex Economic Dispatch Problem. <i>Modeling and Optimization in Science and Technologies</i> , <b>2017</b> , 425-448	0.6	2
36	A Hybrid Grey Wolf Based Segmentation with Statistical Image for CT Liver Images. <i>Advances in Intelligent Systems and Computing</i> , <b>2017</b> , 846-855	0.4	3
35	A hybrid particle swarm optimization and genetic algorithm with population partitioning for large scale optimization problems. <i>Ain Shams Engineering Journal</i> , <b>2017</b> , 8, 191-206	4.4	47
34	A simplex grey wolf optimizer for solving integer programming and minimax problems. <i>Numerical Algebra, Control and Optimization</i> , <b>2017</b> , 7, 301-323	1.7	3
33	A Hybrid grey wolf optimizer and genetic algorithm for minimizing potential energy function. <i>Memetic Computing</i> , <b>2017</b> , 9, 347-359	3.4	70
32	Differential Evolution Algorithm with Space Reduction for Solving Large-Scale Global Optimization Problems. <i>Advances in Computational Intelligence and Robotics Book Series</i> , <b>2017</b> , 671-694	0.4	
31	A Survey of Metaheuristics Methods for Bioinformatics Applications. <i>Intelligent Systems Reference Library</i> , <b>2016</b> , 23-46	0.8	5
30	Nature Inspired Optimization Algorithms for CT Liver Segmentation. <i>Studies in Computational Intelligence</i> , <b>2016</b> , 431-460	0.8	10
29	Artificial Bee Colony Based Segmentation for CT Liver Images. <i>Studies in Computational Intelligence</i> , <b>2016</b> , 409-430	0.8	6
28	A hybrid cuckoo search algorithm with Nelder Mead method for solving global optimization problems. <i>SpringerPlus</i> , <b>2016</b> , 5, 473		24
27	Newcastle Disease Virus Clustering Based on Swarm Rapid Centroid Estimation. <i>Advances in Intelligent Systems and Computing</i> , <b>2016</b> , 359-367	0.4	
26	A simplex social spider algorithm for solving integer programming and minimax problems. <i>Memetic Computing</i> , <b>2016</b> , 8, 169-188	3.4	13
25	A Simplex Nelder Mead Genetic Algorithm for Minimizing Molecular Potential Energy Function. <i>Intelligent Systems Reference Library</i> , <b>2016</b> , 1-21	0.8	
24	A Hybrid PSO and DE Algorithm for Solving Engineering Optimization Problems. <i>Applied Mathematics and Information Sciences</i> , <b>2016</b> , 10, 431-449	2.4	12
23	Enhanced Region Growing Segmentation for CT Liver Images. <i>Advances in Intelligent Systems and Computing</i> , <b>2016</b> , 115-127	0.4	3

22	Wolf Local Thresholding Approach for Liver Image Segmentation in CT Images. <i>Advances in Intelligent Systems and Computing</i> , <b>2016</b> , 641-651	0.4	4
21	Hybrid Differential Evolution and Simulated Annealing Algorithm for Minimizing Molecular Potential Energy Function. <i>Advances in Intelligent Systems and Computing</i> , <b>2016</b> , 287-296	0.4	
20	System Verilog Assertions Synthesis Based Compiler <b>2016</b> ,		1
19	Simplex particle swarm optimization with arithmetical crossover for solving global optimization problems. <i>Opsearch</i> , <b>2016</b> , 53, 705-740	1.6	8
18	Direct Gravitational Search Algorithm for Global Optimisation Problems. <i>East Asian Journal on Applied Mathematics</i> , <b>2016</b> , 6, 290-313	4	2
17	CT Liver Segmentation Using Artificial Bee Colony Optimisation. <i>Procedia Computer Science</i> , <b>2015</b> , 60, 1622-1630	1.6	29
16	Artificial bee colony optimizer for historical Arabic manuscript images binarization <b>2015</b> ,		4
15	Hybrid Particle Swarm Optimization with a Modified Arithmetical Crossover for Solving Unconstrained Optimization Problems. <i>Infor</i> , <b>2015</b> , 53, 125-141	0.5	3
14	Hybrid Curvelet Transform and Least Significant Bit for image steganography <b>2015</b> ,		6
13	Region Growing Segmentation with Iterative K-means for CT Liver Images <b>2015</b> ,		8
12	A Novel Hybrid Perceptron Neural Network Algorithm for Classifying Breast MRI Tumors. <i>Communications in Computer and Information Science</i> , <b>2014</b> , 357-366	0.3	2
11	A New Hybrid Particle Swarm Optimization with Variable Neighborhood Search for Solving Unconstrained Global Optimization Problems. <i>Advances in Intelligent Systems and Computing</i> , <b>2014</b> , 151-160	0.4	4
10	Hybrid Simulated Annealing and Nelder-Mead Algorithm for Solving Large-Scale Global Optimization Problems. <i>International Journal of Research in Computer Science</i> , <b>2014</b> , 4, 1-11		5
9	The Nelder-Mead Simplex Method with Variables Partitioning for Solving Large Scale Optimization Problems. <i>Advances in Intelligent Systems and Computing</i> , <b>2014</b> , 271-284	0.4	3
8	Memetic Artificial Bee Colony for Integer Programming. <i>Communications in Computer and Information Science</i> , <b>2014</b> , 268-277	0.3	3
7	Minimizing molecular potential energy function using genetic Nelder-Mead algorithm <b>2013</b> ,		6
6	Tabu search with multi-level neighborhood structures for high dimensional problems. <i>Applied Intelligence</i> , <b>2012</b> , 37, 189-206	4.9	29
5	Advanced Parallel Genetic Algorithm with Gene Matrix for Global Optimization. <i>Communications in Computer and Information Science</i> , <b>2012</b> , 295-303	0.3	

4	Genetic algorithm and Tabu search based methods for molecular 3D-structure prediction. <i>Numerical Algebra, Control and Optimization</i> , <b>2011</b> , 1, 191-209	1.7	15
3	Finding the 3D-Structure of a molecule using genetic algorithm and tabu search methods <b>2010</b> ,		5
2	3D Protein Structure Prediction with Genetic Tabu Search Algorithm in Off-Lattice AB Model <b>2009</b> ,		3
1	Genetic algorithm with population partitioning and space reduction for high dimensional problems <b>2009</b> ,		5