

Mohamed A Tawhid

List of Publications by Citations

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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.

48 papers	623 citations	13 h-index	23 g-index
53 ext. papers	815 ext. citations	2.2 avg, IF	5.27 L-index

#	Paper	IF	Citations
48	A Hybrid grey wolf optimizer and genetic algorithm for minimizing potential energy function. <i>Memetic Computing</i> , 2017 , 9, 347-359	3.4	70
47	Multi-objective sine-cosine algorithm (MO-SCA) for multi-objective engineering design problems. <i>Neural Computing and Applications</i> , 2019 , 31, 915-929	4.8	60
46	Non-dominated sorting moth flame optimization (NS-MFO) for multi-objective problems. <i>Engineering Applications of Artificial Intelligence</i> , 2017 , 63, 20-32	7.2	58
45	Hybrid binary bat enhanced particle swarm optimization algorithm for solving feature selection problems. <i>Applied Computing and Informatics</i> , 2018 , 16, 117-136	4.2	56
44	A hybrid particle swarm optimization and genetic algorithm with population partitioning for large scale optimization problems. <i>Ain Shams Engineering Journal</i> , 2017 , 8, 191-206	4.4	47
43	Feature selection based on rough set approach, wrapper approach, and binary whale optimization algorithm. <i>International Journal of Machine Learning and Cybernetics</i> , 2020 , 11, 573-602	3.8	25
42	A hybrid cuckoo search algorithm with Nelder Mead method for solving global optimization problems. <i>SpringerPlus</i> , 2016 , 5, 473		24
41	Discrete Sine-Cosine Algorithm (DSCA) with Local Search for Solving Traveling Salesman Problem. <i>Arabian Journal for Science and Engineering</i> , 2019 , 44, 3669-3679	2.5	24
40	Hybrid binary dragonfly enhanced particle swarm optimization algorithm for solving feature selection problems. <i>Mathematical Foundations of Computing</i> , 2018 , 1, 181-200	0.9	23
39	A novel multi-objective optimization algorithm based on artificial algae for multi-objective engineering design problems. <i>Applied Intelligence</i> , 2018 , 48, 3762-3781	4.9	20
38	A hybrid social spider optimization and genetic algorithm for minimizing molecular potential energy function. <i>Soft Computing</i> , 2017 , 21, 6499-6514	3.5	19
37	A hybridization of grey wolf optimizer and differential evolution for solving nonlinear systems. <i>Evolving Systems</i> , 2020 , 11, 65-87	2.1	19
36	Solar Energy Harvesting and Management in Wireless Sensor Networks. <i>International Journal of Distributed Sensor Networks</i> , 2014 , 10, 436107	1.7	15
35	A simplex social spider algorithm for solving integer programming and minimax problems. <i>Memetic Computing</i> , 2016 , 8, 169-188	3.4	13
34	A hybridization of cuckoo search and particle swarm optimization for solving nonlinear systems. <i>Evolutionary Intelligence</i> , 2019 , 12, 541-561	1.7	12
33	A Hybrid PSO and DE Algorithm for Solving Engineering Optimization Problems. <i>Applied Mathematics and Information Sciences</i> , 2016 , 10, 431-449	2.4	12
32	A hybridization of differential evolution and monarch butterfly optimization for solving systems of nonlinear equations. <i>Journal of Computational Design and Engineering</i> , 2019 , 6, 354-367	4.6	12

31	Multi-directional bat algorithm for solving unconstrained optimization problems. <i>Opsearch</i> , 2017 , 54, 684-705	1.6	10
30	?-constraint heat transfer search (?-HTS) algorithm for solving multi-objective engineering design problems. <i>Journal of Computational Design and Engineering</i> , 2018 , 5, 104-119	4.6	10
29	An improved particle swarm optimization with a new swap operator for team formation problem. <i>Journal of Industrial Engineering International</i> , 2019 , 15, 53-71	2.6	8
28	Discrete heat transfer search for solving travelling salesman problem. <i>Mathematical Foundations of Computing</i> , 2018 , 1, 265-280	0.9	8
27	Simplex particle swarm optimization with arithmetical crossover for solving global optimization problems. <i>Opsearch</i> , 2016 , 53, 705-740	1.6	8
26	Complementarity problems over a hypermatrix (tensor) set. <i>Optimization Letters</i> , 2018 , 12, 1443-1454	1.1	7
25	Thermal System Optimization 2019 ,		7
24	Pareto Optimization of a Half Car Passive Suspension Model Using a Novel Multiobjective Heat Transfer Search Algorithm. <i>Modelling and Simulation in Engineering</i> , 2017 , 2017, 1-17	1.3	6
23	An application of H-differentiability to nonnegative and unrestricted generalized complementarity problems. <i>Computational Optimization and Applications</i> , 2008 , 39, 51-74	1.4	6
22	Hybrid Binary Particle Swarm Optimization and Flower Pollination Algorithm Based on Rough Set Approach for Feature Selection Problem. <i>Studies in Computational Intelligence</i> , 2020 , 249-273	0.8	6
21	Conjugate Direction DE Algorithm for Solving Systems of Nonlinear Equations. <i>Applied Mathematics and Information Sciences</i> , 2017 , 11, 339-352	2.4	5
20	Inexact Newton and quasi-Newton methods for the output feedback pole assignment problem. <i>Computational and Applied Mathematics</i> , 2014 , 33, 517-542		3
19	Hybrid Particle Swarm Optimization with a Modified Arithmetical Crossover for Solving Unconstrained Optimization Problems. <i>Infor</i> , 2015 , 53, 125-141	0.5	3
18	On Minimizing Some Merit Functions for Nonlinear Complementarity Problems under H-Differentiability. <i>Journal of Optimization Theory and Applications</i> , 2008 , 139, 127-140	1.6	3
17	On strictly semi-monotone (semi-monotone) properties in nonsmooth functions. <i>Applied Mathematics and Computation</i> , 2006 , 175, 1609-1618	2.7	3
16	A simplex grey wolf optimizer for solving integer programming and minimax problems. <i>Numerical Algebra, Control and Optimization</i> , 2017 , 7, 301-323	1.7	3
15	Multidirectional Grey Wolf Optimizer Algorithm for Solving Global Optimization Problems. <i>International Journal of Computational Intelligence and Applications</i> , 2018 , 17, 1850022	1.2	3
14	An improved artificial algae algorithm integrated with differential evolution for job-shop scheduling problem. <i>Journal of Intelligent Manufacturing</i> , 1	6.7	2

13	Direct Gravitational Search Algorithm for Global Optimisation Problems. <i>East Asian Journal on Applied Mathematics</i> , 2016 , 6, 290-313	4	2
12	Swarm hyperheuristic framework. <i>Journal of Heuristics</i> , 2019 , 25, 809-836	1.9	2
11	A descent algorithm for generalized complementarity problems based on generalized Fischer-Burmeister functions. <i>Computational and Applied Mathematics</i> , 2018 , 37, 1-26		1
10	Hybrid bat algorithm and direct search methods for solving minimax problems. <i>International Journal of Hybrid Intelligent Systems</i> , 2018 , 14, 209-223	0.9	1
9	Efficient Power and Channel Allocation Strategies in Cooperative Potential Games for Cognitive Radio Sensor Networks. <i>International Journal of Distributed Sensor Networks</i> , 2014 , 10, 130130	1.7	1
8	A New Hybrid Binary Algorithm of Bat Algorithm and Differential Evolution for Feature Selection and Classification. <i>Springer Tracts in Nature-inspired Computing</i> , 2021 , 1-18	1.8	1
7	Biogeography Based Optimization for Water Pump Switching Problem. <i>Modeling and Optimization in Science and Technologies</i> , 2020 , 183-202	0.6	1
6	Further Application of H-Differentiability to Generalized Complementarity Problems Based on Generalized Fisher-Burmeister Functions. <i>Abstract and Applied Analysis</i> , 2014 , 2014, 1-11	0.7	
5	Advances in Nonlinear Analysis and Optimization. <i>Abstract and Applied Analysis</i> , 2013 , 2013, 1-2	0.7	
4	Solving non-linear complementarity problem by a derivative-free descent method. <i>International Journal of Operational Research</i> , 2011 , 10, 361	0.9	
3	Smoothing mathematical programmes with equilibrium constraints via neural network function. <i>International Journal of Operational Research</i> , 2010 , 9, 141	0.9	
2	Locally unique solutions of nonsmooth general variational inequalities. <i>Nonlinear Analysis: Hybrid Systems</i> , 2010 , 4, 574-582	4.5	
1	. <i>Frontiers of Mathematics in China</i> , 2020 , 15, 1175-1188	0.8	