Mohamed A Tawhid

List of Publications by Year in Descending Order

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 New Hybrid Binary Algorithm of Bat Algorithm and Differential Evolution for Feature Selection and Classification. *Springer Tracts in Nature-inspired Computing*, **2021**, 1-18	1.8	1
47	. *Frontiers of Mathematics in China*, **2020**, 15, 1175-1188	0.8	
46	Biogeography Based Optimization for Water Pump Switching Problem. *Modeling and Optimization in Science and Technologies*, **2020**, 183-202	0.6	1
45	Hybrid Binary Particle Swarm Optimization and Flower Pollination Algorithm Based on Rough Set Approach for Feature Selection Problem. *Studies in Computational Intelligence*, **2020**, 249-273	0.8	6
44	Feature selection based on rough set approach, wrapper approach, and binary whale optimization algorithm. *International Journal of Machine Learning and Cybernetics*, **2020**, 11, 573-602	3.8	25
43	A hybridization of grey wolf optimizer and differential evolution for solving nonlinear systems. *Evolving Systems*, **2020**, 11, 65-87	2.1	19
42	A hybridization of cuckoo search and particle swarm optimization for solving nonlinear systems. *Evolutionary Intelligence*, **2019**, 12, 541-561	1.7	12
41	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
40	Thermal System Optimization **2019**,		7
39	Discrete Sine-Cosine Algorithm (DSCA) with Local Search for Solving Traveling Salesman Problem. *Arabian Journal for Science and Engineering*, **2019**, 44, 3669-3679	2.5	24
38	A hybridization of differential evolution and monarch butterfly optimization for solving systems of nonlinear equations. *Journal of Computational Design and Engineering*, **2019**, 6, 354-367	4.6	12
37	Swarm hyperheuristic framework. *Journal of Heuristics*, **2019**, 25, 809-836	1.9	2
36	Multi-objective sine-cosine algorithm (MO-SCA) for multi-objective engineering design problems. *Neural Computing and Applications*, **2019**, 31, 915-929	4.8	60
35	A descent algorithm for generalized complementarity problems based on generalized Fischer-Burmeister functions. *Computational and Applied Mathematics*, **2018**, 37, 1-26		1
34	Hybrid binary bat enhanced particle swarm optimization algorithm for solving feature selection problems. *Applied Computing and Informatics*, **2018**, 16, 117-136	4.2	56
33	A novel multi-objective optimization algorithm based on artificial algae for multi-objective engineering design problems. *Applied Intelligence*, **2018**, 48, 3762-3781	4.9	20
32	Complementarity problems over a hypermatrix (tensor) set. *Optimization Letters*, **2018**, 12, 1443-1454	1.1	7

31	?-constraint heat transfer search (?-HTS) algorithm for solving multi-objective engineering design problems. *Journal of Computational Design and Engineering*, **2018**, 5, 104-119	4.6	10
30	Hybrid bat algorithm and direct search methods for solving minimax problems. *International Journal of Hybrid Intelligent Systems*, **2018**, 14, 209-223	0.9	1
29	Hybrid binary dragonfly enhanced particle swarm optimization algorithm for solving feature selection problems. *Mathematical Foundations of Computing*, **2018**, 1, 181-200	0.9	23
28	Discrete heat transfer search for solving travelling salesman problem. *Mathematical Foundations of Computing*, **2018**, 1, 265-280	0.9	8
27	Multidirectional Grey Wolf Optimizer Algorithm for Solving Global Optimization Problems. *International Journal of Computational Intelligence and Applications*, **2018**, 17, 1850022	1.2	3
26	A hybrid social spider optimization and genetic algorithm for minimizing molecular potential energy function. *Soft Computing*, **2017**, 21, 6499-6514	3.5	19
25	Multi-directional bat algorithm for solving unconstrained optimization problems. *Opsearch*, **2017**, 54, 684-705	1.6	10
24	Non-dominated sorting moth flame optimization (NS-MFO) for multi-objective problems. *Engineering Applications of Artificial Intelligence*, **2017**, 63, 20-32	7.2	58
23	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
22	Pareto Optimization of a Half Car Passive Suspension Model Using a Novel Multiobjective Heat Transfer Search Algorithm. *Modelling and Simulation in Engineering*, **2017**, 2017, 1-17	1.3	6
21	Conjugate Direction DE Algorithm for Solving Systems of Nonlinear Equations. *Applied Mathematics and Information Sciences*, **2017**, 11, 339-352	2.4	5
20	A simplex grey wolf optimizer for solving integer programming and minimax problems. *Numerical Algebra, Control and Optimization*, **2017**, 7, 301-323	1.7	3
19	A Hybrid grey wolf optimizer and genetic algorithm for minimizing potential energy function. *Memetic Computing*, **2017**, 9, 347-359	3.4	70
18	A hybrid cuckoo search algorithm with Nelder Mead method for solving global optimization problems. *SpringerPlus*, **2016**, 5, 473		24
17	A simplex social spider algorithm for solving integer programming and minimax problems. *Memetic Computing*, **2016**, 8, 169-188	3.4	13
16	A Hybrid PSO and DE Algorithm for Solving Engineering Optimization Problems. *Applied Mathematics and Information Sciences*, **2016**, 10, 431-449	2.4	12
15	Simplex particle swarm optimization with arithmetical crossover for solving global optimization problems. *Opsearch*, **2016**, 53, 705-740	1.6	8
14	Direct Gravitational Search Algorithm for Global Optimisation Problems. *East Asian Journal on Applied Mathematics*, **2016**, 6, 290-313	4	2

13	Hybrid Particle Swarm Optimization with a Modified Arithmetical Crossover for Solving Unconstrained Optimization Problems. *Infor*, **2015**, 53, 125-141	0.5	3
12	Inexact Newton and quasi-Newton methods for the output feedback pole assignment problem. *Computational and Applied Mathematics*, **2014**, 33, 517-542		3
11	Further Application ofH-Differentiability to Generalized Complementarity Problems Based on Generalized Fisher-Burmeister Functions. *Abstract and Applied Analysis*, **2014**, 2014, 1-11	0.7	
10	Efficient Power and Channel Allocation Strategies in Cooperative Potential Games for Cognitive Radio Sensor Networks. *International Journal of Distributed Sensor Networks*, **2014**, 10, 130130	1.7	1
9	Solar Energy Harvesting and Management in Wireless Sensor Networks. *International Journal of Distributed Sensor Networks*, **2014**, 10, 436107	1.7	15
8	Advances in Nonlinear Analysis and Optimization. *Abstract and Applied Analysis*, **2013**, 2013, 1-2	0.7	
7	Solving non-linear complementarity problem by a derivative-free descent method. *International Journal of Operational Research*, **2011**, 10, 361	0.9	
6	Smoothing mathematical programmes with equilibrium constraints via neural network function. *International Journal of Operational Research*, **2010**, 9, 141	0.9	
5	Locally unique solutions of nonsmooth general variational inequalities. *Nonlinear Analysis: Hybrid Systems*, **2010**, 4, 574-582	4.5	
4	An application of H-differentiability to nonnegative and unrestricted generalized complementarity problems. *Computational Optimization and Applications*, **2008**, 39, 51-74	1.4	6
3	On Minimizing Some Merit Functions for Nonlinear Complementarity Problems under H-Differentiability. *Journal of Optimization Theory and Applications*, **2008**, 139, 127-140	1.6	3
2	On strictly semi-monotone (semi-monotone) properties in nonsmooth functions. *Applied Mathematics and Computation*, **2006**, 175, 1609-1618	2.7	3
1	An improved artificial algae algorithm integrated with differential evolution for job-shop scheduling problem. *Journal of Intelligent Manufacturing*,1	6.7	2