

# Mohd Herwan Bin Sulaiman

## List of Publications by Year in Descending Order

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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.

68

papers

999

citations

13

h-index

30

g-index

81

ext. papers

1,262

ext. citations

2.6

avg, IF

5.11

L-index

#	Paper	IF	Citations
68	Solving Combined Economic and Emission Load Dispatch Using Cohesive Meta-heuristic Approach. <i>Lecture Notes in Electrical Engineering</i> , <b>2022</b> , 1043-1052	0.2	
67	Loss Minimization of Optimal Power Flow with Stochastic Solar Power Generation Using Improved Salp Swarm Algorithm. <i>Lecture Notes in Electrical Engineering</i> , <b>2022</b> , 135-146	0.2	
66	Using the Barnacles Mating Optimizer with Effective Constraints Handling Technique for Cost Minimization of Optimal Power Flow Solution. <i>Lecture Notes in Electrical Engineering</i> , <b>2022</b> , 47-55	0.2	
65	Optimal chiller loading solution for energy conservation using Barnacles Mating Optimizer algorithm. <i>Results in Control and Optimization</i> , <b>2022</b> , 7, 100109	1	1
64	Optimal Power Flow Solutions for Power System Operations Using Moth-Flame Optimization Algorithm. <i>Lecture Notes in Electrical Engineering</i> , <b>2021</b> , 207-219	0.2	1
63	An Application of Barnacles Mating Optimizer Algorithm for Combined Economic and Emission Dispatch Solution. <i>Lecture Notes in Electrical Engineering</i> , <b>2021</b> , 1115-1124	0.2	
62	Optimal power flow with stochastic solar power using barnacles mating optimizer. <i>International Transactions on Electrical Energy Systems</i> , <b>2021</b> , 31, e12858	2.2	7
61	Properties of single- and multi-core magnetic nanoparticles assessed by magnetic susceptibility measurements. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2021</b> , 528, 167812	2.8	1
60	Solving optimal power flow problem with stochastic wind/solar/small hydro power using barnacles mating optimizer. <i>Control Engineering Practice</i> , <b>2021</b> , 106, 104672	3.9	12
59	Optimal power flow incorporating stochastic wind and solar generation by metaheuristic optimizers. <i>Microsystem Technologies</i> , <b>2021</b> , 27, 3263-3277	1.7	9
58	COVID-19 Confirmed Cases Prediction in China Based on Barnacles Mating Optimizer-Least Squares Support Vector Machines. <i>Cybernetics and Information Technologies</i> , <b>2021</b> , 21, 62-76	1.3	0
57	A Review of Optimization Algorithms in Solving Hydro Generation Scheduling Problems. <i>Energies</i> , <b>2020</b> , 13, 2787	3.1	13
56	Design and simulation of resistive type SFCL in multi-area power system for enhancing the transient stability. <i>Physica C: Superconductivity and Its Applications</i> , <b>2020</b> , 573, 1353643	1.3	12
55	Predictive Analysis of Dengue Outbreak Based on an Improved Salp Swarm Algorithm. <i>Cybernetics and Information Technologies</i> , <b>2020</b> , 20, 156-169	1.3	
54	Barnacles Mating Optimizer: A new bio-inspired algorithm for solving engineering optimization problems. <i>Engineering Applications of Artificial Intelligence</i> , <b>2020</b> , 87, 103330	7.2	127
53	Modeling and analysis of hybrid multilevel converter for constant DC and fuel cell sources. <i>Energy Storage</i> , <b>2020</b> , 2, e193	2.8	2
52	Performance analysis of distributed power flow controller with ultra-capacitor for regulating the frequency deviations in restructured power system. <i>Journal of Energy Storage</i> , <b>2020</b> , 31, 101676	7.8	10

51	Influence of Viscosity on Dynamic Magnetization of Thermally Blocked Iron Oxide Nanoparticles Characterized by a Sensitive AC Magnetometer. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2019</b> , 32, 2765-2772	1.5	4
50	An Application of Hybrid Swarm Intelligence Algorithms for Dengue Outbreak Prediction <b>2019</b> ,		2
49	Current Measurement of Engine Oils Under Various Voltage Application. <i>Lecture Notes in Electrical Engineering</i> , <b>2019</b> , 611-616	0.2	
48	Impact of Overcurrent Protection Coordination on the Location of the Distributed Generation Sources. <i>Lecture Notes in Electrical Engineering</i> , <b>2019</b> , 595-602	0.2	
47	An Application of Barnacles Mating Optimizer for Solving Economic Dispatch Problems <b>2019</b> ,		3
46	Barnacles Mating Optimizer Algorithm for Optimization. <i>Lecture Notes in Electrical Engineering</i> , <b>2019</b> , 211-218	0.2	2
45	Investigation of Binary Search Algorithm as Maximum Power Point Tracking Technique in Solar PV System. <i>Lecture Notes in Electrical Engineering</i> , <b>2019</b> , 563-570	0.2	
44	Prediction of small hydropower plant power production in Himreen Lake dam (HLD) using artificial neural network. <i>AEJ - Alexandria Engineering Journal</i> , <b>2018</b> , 57, 211-221	6.1	45
43	Modeling and characterization of a grid-connected photovoltaic system under tropical climate conditions. <i>Renewable and Sustainable Energy Reviews</i> , <b>2018</b> , 82, 2094-2105	16.2	10
42	A robust firefly algorithm with backpropagation neural networks for solving hydrogeneration prediction. <i>Electrical Engineering</i> , <b>2018</b> , 100, 2617-2633	1.5	8
41	Series division method based on PSO and FA to optimize Long-Term Hydro Generation Scheduling. <i>Sustainable Energy Technologies and Assessments</i> , <b>2018</b> , 29, 106-118	4.7	5
40	Barnacles Mating Optimizer: A Bio-Inspired Algorithm for Solving Optimization Problems <b>2018</b> ,		13
39	Dengue Outbreak Prediction: Hybrid Meta-heuristic Model <b>2018</b> ,		1
38	Short Term Forecasting Based on Hybrid Least Squares Support Vector Machines. <i>Advanced Science Letters</i> , <b>2018</b> , 24, 7455-7460	0.1	2
37	An Application of Radial Basis Function Neural Network for Short Term Load Forecasting Solution. <i>Advanced Science Letters</i> , <b>2018</b> , 24, 7534-7538	0.1	
36	Economic Dispatch Solution Using Moth-Flame Optimization Algorithm. <i>MATEC Web of Conferences</i> , <b>2018</b> , 214, 03007	0.3	5
35	Barnacles Mating Optimizer: An Evolutionary Algorithm for Solving Optimization <b>2018</b> ,		13
34	Cuckoo Search Algorithm as an optimizer for Optimal Reactive Power Dispatch problems <b>2017</b> ,		5

33	Optimal Long-Term Hydro Generation Scheduling of Small Hydropower Plant (SHP) using Metaheuristic Algorithm in Himreen Lake Dam. <i>MATEC Web of Conferences</i> , <b>2017</b> , 131, 04017	0.3	3
32	Optimal reactive power dispatch solution by loss minimization using moth-flame optimization technique. <i>Applied Soft Computing Journal</i> , <b>2017</b> , 59, 210-222	7.5	119
31	Binary search algorithm as maximum power point tracking technique for photovoltaic system under partial shaded conditions <b>2017</b> ,		1
30	Photovoltaic Grid-Connected Modeling and Characterization Based on Experimental Results. <i>PLoS ONE</i> , <b>2016</b> , 11, e0152766	3.7	6
29	Artificial neural network flood prediction for sungai isap residence <b>2016</b> ,		5
28	Levenberg-Marquardt flood prediction for Sungai Isap residence <b>2016</b> ,		4
27	Using the gray wolf optimizer for solving optimal reactive power dispatch problem. <i>Applied Soft Computing Journal</i> , <b>2015</b> , 32, 286-292	7.5	223
26	Solving Economic Dispatch Problems with Practical Constraints Utilizing Grey Wolf Optimizer. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 785, 511-515	0.3	2
25	Performance characterization of a vanadium redox flow battery at different operating parameters under a standardized test-bed system. <i>Applied Energy</i> , <b>2015</b> , 137, 402-412	10.7	76
24	An Application of Cuckoo Search Algorithm for Solving Optimal Chiller Loading Problem for Energy Conservation. <i>Applied Mechanics and Materials</i> , <b>2015</b> , 793, 500-504	0.3	3
23	Training LSSVM with GWO for price forecasting <b>2015</b> ,		10
22	An application of Cuckoo Search Algorithm for solving combined economic and emission dispatch problem <b>2015</b> ,		4
21	LS-SVM hyper-parameters optimization based on GWO algorithm for time series forecasting <b>2015</b> ,		9
20	Advanced Techniques in Harmonic Suppression via Active Power Filter: A Review. <i>International Journal of Power Electronics and Drive Systems</i> , <b>2015</b> , 6, 185	1.5	3
19	Solving economic dispatch problems utilizing Cuckoo Search algorithm <b>2014</b> ,		3
18	A New Swarm Intelligence Approach for Optimal Chiller Loading for Energy Conservation. <i>Procedia, Social and Behavioral Sciences</i> , <b>2014</b> , 129, 483-488		17
17	A Proposed Method of Photovoltaic Solar Array Configuration under Different Partial Shadow Conditions. <i>Advanced Materials Research</i> , <b>2014</b> , 983, 307-311	0.5	5
16	Modeling of photovoltaic solar array under different levels of partial shadow conditions <b>2014</b> ,		8

15	A new swarm intelligence technique for solving economic dispatch problem <b>2013</b> ,		3
14	Appraising the viability of wind energy conversion system in the Peninsular Malaysia. <i>Energy Conversion and Management</i> , <b>2013</b> , 76, 801-810	10.6	28
13	Effect of population size for DG installation using EMEFA <b>2013</b> ,		8
12	An Extension of Particle Swarm Optimization (E-PSO) Algorithm for Solving Economic Dispatch Problem <b>2013</b> ,		2
11	Reactive power tracing in pool-based power system utilising the hybrid genetic algorithm and least squares support vector machine. <i>IET Generation, Transmission and Distribution</i> , <b>2012</b> , 6, 133	2.5	13
10	Modified Firefly Algorithm in solving economic dispatch problems with practical constraints <b>2012</b> ,		21
9	An application of artificial bee colony algorithm with least squares support vector machine for real and reactive power tracing in deregulated power system. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2012</b> , 37, 67-77	5.1	50
8	Tracing the real power transfer of individual generators to loads using Least Squares Support Vector Machine with Continuous Genetic Algorithm <b>2011</b> ,		1
7	<b>2010</b> ,		9
6	Power flow allocation method with the application of hybrid genetic algorithm-least squares support vector machine <b>2010</b> ,		3
5	Distributed generation installation using particle swarm optimization <b>2010</b> ,		23
4	Real power transfer allocation via Continuous Genetic Algorithm-Least Squares Support Vector Machine technique <b>2010</b> ,		3
3	Transmission loss and load flow allocations via genetic algorithm technique <b>2009</b> ,		16
2	Transmission loss allocation in deregulated power system via superposition and proportional tree methods <b>2008</b> ,		2
1	Tracing Generators Output in Transmission Open Access <b>2007</b> ,		1