

Mohd Herwan Bin Sulaiman

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

1,588
citations

516215

16
h-index

360668

35
g-index

81
all docs

81
docs citations

81
times ranked

1443
citing authors

#	ARTICLE	IF	CITATIONS
1	Using the gray wolf optimizer for solving optimal reactive power dispatch problem. Applied Soft Computing Journal, 2015, 32, 286-292.	4.1	297
2	Barnacles Mating Optimizer: A new bio-inspired algorithm for solving engineering optimization problems. Engineering Applications of Artificial Intelligence, 2020, 87, 103330.	4.3	248
3	Optimal reactive power dispatch solution by loss minimization using moth-flame optimization technique. Applied Soft Computing Journal, 2017, 59, 210-222.	4.1	184
4	Performance characterization of a vanadium redox flow battery at different operating parameters under a standardized test-bed system. Applied Energy, 2015, 137, 402-412.	5.1	92
5	Prediction of small hydropower plant power production in Himreen Lake dam (HLD) using artificial neural network. AEJ - Alexandria Engineering Journal, 2018, 57, 211-221.	3.4	70
6	An application of artificial bee colony algorithm with least squares support vector machine for real and reactive power tracing in deregulated power system. International Journal of Electrical Power and Energy Systems, 2012, 37, 67-77.	3.3	60
7	Appraising the viability of wind energy conversion system in the Peninsular Malaysia. Energy Conversion and Management, 2013, 76, 801-810.	4.4	37
8	Solving optimal power flow problem with stochastic wind and solar small hydro power using barnacles mating optimizer. Control Engineering Practice, 2021, 106, 104672.	3.2	34
9	Distributed generation installation using particle swarm optimization. , 2010, , .		33
10	A Review of Optimization Algorithms in Solving Hydro Generation Scheduling Problems. Energies, 2020, 13, 2787.	1.6	32
11	Transmission loss and load flow allocations via genetic algorithm technique. , 2009, , .		28
12	Optimal power flow incorporating stochastic wind and solar generation by metaheuristic optimizers. Microsystem Technologies, 2021, 27, 3263-3277.	1.2	25
13	Optimal power flow with stochastic solar power using barnacles mating optimizer. International Transactions on Electrical Energy Systems, 2021, 31, e12858.	1.2	24
14	Modified Firefly Algorithm in solving economic dispatch problems with practical constraints. , 2012, , .		23
15	Barnacles Mating Optimizer: An Evolutionary Algorithm for Solving Optimization. , 2018, , .		23
16	Reactive power tracing in pool-based power system utilising the hybrid genetic algorithm and least squares support vector machine. IET Generation, Transmission and Distribution, 2012, 6, 133.	1.4	22
17	A New Swarm Intelligence Approach for Optimal Chiller Loading for Energy Conservation. Procedia, Social and Behavioral Sciences, 2014, 129, 483-488.	0.5	22
18	Barnacles Mating Optimizer: A Bio-Inspired Algorithm for Solving Optimization Problems. , 2018, , .		22

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19	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> , 2020, 31, 101676.	3.9	18
20	A robust firefly algorithm with backpropagation neural networks for solving hydrogeneration prediction. <i>Electrical Engineering</i> , 2018, 100, 2617-2633.	1.2	17
21	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> , 2020, 573, 1353643.	0.6	17
22	Modeling and characterization of a grid-connected photovoltaic system under tropical climate conditions. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 2094-2105.	8.2	16
23	Optimal placement and sizing of FACTS devices for optimal power flow using metaheuristic optimizers. <i>Results in Control and Optimization</i> , 2022, 8, 100145.	1.3	16
24	LS-SVM hyper-parameters optimization based on GWO algorithm for time series forecasting. , 2015, , .		15
25	Implementation of DG for loss minimization and voltage profile in distribution system. , 2010, , .		14
26	Training LSSVM with GWO for price forecasting. , 2015, , .		14
27	Cuckoo Search Algorithm as an optimizer for Optimal Reactive Power Dispatch problems. , 2017, , .		13
28	Economic Dispatch Solution Using Moth-Flame Optimization Algorithm. <i>MATEC Web of Conferences</i> , 2018, 214, 03007.	0.1	10
29	Series division method based on PSO and FA to optimize Long-Term Hydro Generation Scheduling. <i>Sustainable Energy Technologies and Assessments</i> , 2018, 29, 106-118.	1.7	10
30	Effect of population size for DG installation using EMEFA. , 2013, , .		9
31	Photovoltaic Grid-Connected Modeling and Characterization Based on Experimental Results. <i>PLoS ONE</i> , 2016, 11, e0152766.	1.1	9
32	Modeling of photovoltaic solar array under different levels of partial shadow conditions. , 2014, , .		8
33	A Proposed Method of Photovoltaic Solar Array Configuration under Different Partial Shadow Conditions. <i>Advanced Materials Research</i> , 0, 983, 307-311.	0.3	7
34	Artificial neural network flood prediction for sungai isap residence. , 2016, , .		7
35	Optimal Long-Term Hydro Generation Scheduling of Small Hydropower Plant (SHP) using Metaheuristic Algorithm in Himreen Lake Dam. <i>MATEC Web of Conferences</i> , 2017, 131, 04017.	0.1	6
36	Dengue Outbreak Prediction: Hybrid Meta-heuristic Model. , 2018, , .		6

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37	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> , 2019, 32, 2765-2772.	0.8	6
38	An application of Cuckoo Search Algorithm for solving combined economic and emission dispatch problem. , 2015, , .		5
39	Levenberg-Marquardt flood prediction for Sungai Isap residence. , 2016, , .		5
40	An Application of Barnacles Mating Optimizer for Solving Economic Dispatch Problems. , 2019, , .		5
41	Advanced Techniques in Harmonic Suppression via Active Power Filter: A Review. <i>International Journal of Power Electronics and Drive Systems</i> , 2015, 6, 185.	0.5	5
42	Optimal chiller loading solution for energy conservation using Barnacles Mating Optimizer algorithm. <i>Results in Control and Optimization</i> , 2022, 7, 100109.	1.3	5
43	Power flow allocation method with the application of hybrid genetic algorithm-least squares support vector machine. , 2010, , .		4
44	Real power transfer allocation via Continuous Genetic Algorithm-Least Squares Support Vector Machine technique. , 2010, , .		4
45	A new swarm intelligence technique for solving economic dispatch problem. , 2013, , .		4
46	Solving Economic Dispatch Problems with Practical Constraints Utilizing Grey Wolf Optimizer. <i>Applied Mechanics and Materials</i> , 2015, 785, 511-515.	0.2	4
47	An Application of Hybrid Swarm Intelligence Algorithms for Dengue Outbreak Prediction. , 2019, , .		4
48	Modeling and analysis of hybrid multilevel converter for constant DC and fuel cell sources. <i>Energy Storage</i> , 2020, 2, e193.	2.3	4
49	COVID-19 Confirmed Cases Prediction in China Based on Barnacles Mating Optimizer-Least Squares Support Vector Machines. <i>Cybernetics and Information Technologies</i> , 2021, 21, 62-76.	0.4	4
50	Transmission loss allocation in deregulated power system via superposition and proportional tree methods. , 2008, , .		3
51	An Extension of Particle Swarm Optimization (E-PSO) Algorithm for Solving Economic Dispatch Problem. , 2013, , .		3
52	Solving economic dispatch problems utilizing Cuckoo Search algorithm. , 2014, , .		3
53	An Application of Cuckoo Search Algorithm for Solving Optimal Chiller Loading Problem for Energy Conservation. <i>Applied Mechanics and Materials</i> , 0, 793, 500-504.	0.2	3
54	Binary search algorithm as maximum power point tracking technique for photovoltaic system under partial shaded conditions. , 2017, , .		3

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55	Properties of single- and multi-core magnetic nanoparticles assessed by magnetic susceptibility measurements. Journal of Magnetism and Magnetic Materials, 2021, 528, 167812.	1.0	3
56	Short Term Forecasting Based on Hybrid Least Squares Support Vector Machines. Advanced Science Letters, 2018, 24, 7455-7460.	0.2	3
57	Optimal Power Flow Solutions for Power System Operations Using Moth-Flame Optimization Algorithm. Lecture Notes in Electrical Engineering, 2021, , 207-219.	0.3	3
58	Barnacles Mating Optimizer Algorithm for Optimization. Lecture Notes in Electrical Engineering, 2019, , 211-218.	0.3	2
59	Levy Flight Safe Experimentation Dynamics Algorithm for Data-Based PID Tuning of Flexible Joint Robot. , 2020, , .		2
60	Hybrid Multi-Verse Optimizer for Covid19 Confirmed Cases Prediction: Cases in Malaysia. , 2021, , .		2
61	An Application of Multi-Verse Optimizer for Optimal Reactive Power Dispatch Problems. International Journal of Simulation: Systems, Science and Technology, 0, , .	0.0	2
62	Tracing Generators' Output in Transmission Open Access. , 2007, , .		1
63	Tracing the real power transfer of individual generators to loads using Least Squares Support Vector Machine with Continuous Genetic Algorithm. , 2011, , .		1
64	Hybrid Least Squares Support Vector Machines for short term predictive analysis. , 2017, , .		1
65	Effect of Different Edge Radius of Electrode on Electric Field Distribution Using Finite Element Method (FEM). , 2018, , .		1
66	Improved Grey Wolf Optimization Algorithm for Overcurrent Relays Coordination. , 2018, , .		1
67	Time Series Predictive Analysis based on Hybridization of Meta-heuristic Algorithms. International Journal on Advanced Science, Engineering and Information Technology, 2018, 8, 1919-1925.	0.2	1
68	Predictive Analysis of Dengue Outbreak Based on an Improved Salp Swarm Algorithm. Cybernetics and Information Technologies, 2020, 20, 156-169.	0.4	1
69	Loss Minimization of Optimal Power Flow with Stochastic Solar Power Generation Using Improved Salp Swarm Algorithm. Lecture Notes in Electrical Engineering, 2022, , 135-146.	0.3	1
70	A benchtop induction-based AC magnetometer for a fast characterization of magnetic nanoparticles. Engineering Research Express, 2022, 4, 025047.	0.8	1
71	Reactive power allocation in pool based power system utilizing proportional sharing method. , 2010, , .		0
72	STUDY OF OPTIMAL EG PLACEMENT IN RADIAL DISTRIBUTION SYSTEM USING REAL CODED GENETIC ALGORITHM. , 2011, , .		0

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73	Determination of image conversion ratio for Transient Luminous Events (TLEs) observation system. , 2017, , .		0
74	Solving the Optimal Reactive Power Dispatch Problem Based on Moth-Flame Optimizer for Power System Operation and Planning. , 2018, , .		0
75	Current Measurement of Engine Oils Under Various Voltage Application. Lecture Notes in Electrical Engineering, 2019, , 611-616.	0.3	0
76	Impact of Overcurrent Protection Coordination on the Location of the Distributed Generation Sources. Lecture Notes in Electrical Engineering, 2019, , 595-602.	0.3	0
77	Investigation of Binary Search Algorithm as Maximum Power Point Tracking Technique in Solar PV System. Lecture Notes in Electrical Engineering, 2019, , 563-570.	0.3	0
78	An Application of Radial Basis Function Neural Network for Short Term Load Forecasting Solution. Advanced Science Letters, 2018, 24, 7534-7538.	0.2	0
79	An Application of Barnacles Mating Optimizer Algorithm for Combined Economic and Emission Dispatch Solution. Lecture Notes in Electrical Engineering, 2021, , 1115-1124.	0.3	0