

Perumal Nallagownden

List of Publications by Year in descending order

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43
papers

1,314
citations

687363

13
h-index

454955

30
g-index

43
all docs

43
docs citations

43
times ranked

1648
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on optimized control systems for building energy and comfort management of smart sustainable buildings. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 34, 409-429.	16.4	633
2	Building energy for sustainable development in Malaysia: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 75, 1392-1403.	16.4	93
3	A Quasi-Oppositional-Chaotic Symbiotic Organisms Search algorithm for optimal allocation of DG in radial distribution networks. <i>Applied Soft Computing Journal</i> , 2020, 88, 106067.	7.2	80
4	Intelligent multi-objective control and management for smart energy efficient buildings. <i>International Journal of Electrical Power and Energy Systems</i> , 2016, 74, 403-409.	5.5	76
5	A Quasi-Oppositional-Chaotic Symbiotic Organisms Search algorithm for global optimization problems. <i>Applied Soft Computing Journal</i> , 2019, 77, 567-583.	7.2	66
6	Advanced Pareto Front Non-Dominated Sorting Multi-Objective Particle Swarm Optimization for Optimal Placement and Sizing of Distributed Generation. <i>Energies</i> , 2016, 9, 982.	3.1	51
7	Optimal Placement and Sizing of Renewable Distributed Generations and Capacitor Banks into Radial Distribution Systems. <i>Energies</i> , 2017, 10, 811.	3.1	38
8	Development of chaotically improved meta-heuristics and modified BP neural network-based model for electrical energy demand prediction in smart grid. <i>Neural Computing and Applications</i> , 2017, 28, 877-891.	5.6	32
9	Intelligent Optimized Control System for Energy and Comfort Management in Efficient and Sustainable Buildings. <i>Procedia Technology</i> , 2013, 11, 99-106.	1.1	24
10	Optimization of neural network architecture using genetic algorithm for load forecasting. , 2014, , .		23
11	An improved meta-heuristic method to maximize the penetration of distributed generation in radial distribution networks. <i>Neural Computing and Applications</i> , 2020, 32, 10159-10181.	5.6	23
12	Stochastic optimized intelligent controller for smart energy efficient buildings. <i>Sustainable Cities and Society</i> , 2014, 13, 41-45.	10.4	22
13	A novel rectifying circuit for microwave power harvesting system. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2017, 27, e21083.	1.2	18
14	A New Approach for Design Optimization and Parametric Analysis of Symmetric Compound Parabolic Concentrator for Photovoltaic Applications. <i>Sustainability</i> , 2021, 13, 4606.	3.2	17
15	Multi-objective search group algorithm for thermo-economic optimization of flat-plate solar collector. <i>Neural Computing and Applications</i> , 2021, 33, 12661-12687.	5.6	12
16	Routing Based Multi-Agent System for Network Reliability in the Smart Microgrid. <i>Sensors</i> , 2020, 20, 2992.	3.8	11
17	Efficiency investigation of SS and SP compensation topologies for wireless power transfer. <i>International Journal of Power Electronics and Drive Systems</i> , 2019, 10, 2157.	0.6	11
18	A Review of Recent Developments and Applications of Compound Parabolic Concentrator-Based Hybrid Solar Photovoltaic/Thermal Collectors. <i>Sustainability</i> , 2022, 14, 5529.	3.2	10

#	ARTICLE	IF	CITATIONS
19	One rank cuckoo search algorithm for optimal placement of multiple distributed generators in distribution networks. , 2017, , .		9
20	An Application of a Novel Technique for Assessing the Operating Performance of Existing Cooling Systems on a University Campus. Energies, 2018, 11, 719.	3.1	8
21	Intelligent demand side management technique for industrial consumer. , 2014, , .		7
22	Enhanced Dickson voltage multiplier rectenna by developing analytical model for radio frequency harvesting applications. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21657.	1.2	6
23	Tracing and prediction of losses for deregulated operation of power systems. European Transactions on Electrical Power, 2011, 21, 223-238.	1.0	4
24	Optimized intelligent control system for indoor thermal comfort and energy management of buildings. , 2014, , .		4
25	Modeling and Analysis of Linear Permanent Magnet Generator for Wave Energy Conversion Using Finite Element Method. Applied Mechanics and Materials, 0, 785, 258-262.	0.2	4
26	PC Based Energy Efficient Wireless Transceiver Module with ZigBee. Applied Mechanics and Materials, 2015, 785, 724-728.	0.2	3
27	Design of a New Hybrid Topology of WPT System to Achieve Load-Independent Constant-Current and Constant-Voltage Output. Symmetry, 2020, 12, 1453.	2.2	3
28	Modelling and Efficiency-Analysis of Wireless Power Transfer using Magnetic Resonance Coupling. Indonesian Journal of Electrical Engineering and Computer Science, 2017, 6, 563.	0.8	3
29	Power quality problem classification based on Wavelet Transform and a Rule-Based method. , 2010, , .		2
30	Power system studies for reliable operation of an offshore platform. , 2010, , .		2
31	Short Term Electric Load Forecasting with Back Propagation Neural Network and Simulated Annealing Genetic Algorithm. Applied Mechanics and Materials, 2015, 785, 14-18.	0.2	2
32	A New Strategy for Multiple Chillers Plant Operation Using Fuzzy Inference System. Applied Mechanics and Materials, 2015, 785, 671-675.	0.2	2
33	Intelligent approach for optimal energy management of chiller plant using fuzzy and PSO techniques. , 2016, , .		2
34	Modified meta heuristics and improved backpropagation neural network-based electrical load demand prediction technique for smart grid. IEEJ Transactions on Electrical and Electronic Engineering, 2017, 12, S20.	1.4	2
35	Optimal Placement and Sizing of Distributed Generators and Distributed-Static Compensator in Radial Distribution System. International Journal of Energy Optimization and Engineering, 2019, 8, 47-66.	0.6	2
36	Assessment of Microgrid Communication Network Performance for Medium-Scale IEEE Bus Systems Using Multi-Agent System. Lecture Notes in Networks and Systems, 2021, , 377-387.	0.7	2

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37	Power Consumption Optimization for the Industrial Load Plant Using Improved ANFIS-Based Accelerated PSO Technique. SpringerBriefs in Energy, 2020, , 35-51.	0.3	2
38	One-Hour Ahead Load Forecasting Based on Wavelet Neural Networks. Applied Mechanics and Materials, 0, 785, 53-57.	0.2	1
39	Simulation and development of ZigBee based wireless stakeout system controlled by PC. , 2015, , .		1
40	Optimal Operation of Multi-Chillers for Energy Saving Using a Multi-Fuzzy Inference System. Applied Mechanics and Materials, 0, 793, 567-572.	0.2	1
41	Electricity load forecasting using hybrid wavelet neural network based on parallel prediction method. , 2016, , .		1
42	Dataset on the effect of receiver size and acceptance half-angle on the aperture width and height of compound parabolic concentrator for low-concentrating photovoltaic applications using RSM. Data in Brief, 2021, 39, 107630.	1.0	1
43	Modelling & simulation of an offshore platform (SUMANDAK Phase 2 - SUPG-B) Tj ETQq1 1 0.784314 rgBT /Ovrlock 10 T		