

Perumal Nallagownden

List of Publications by Year in descending order

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43
papers

1,314
citations

687363

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454955

30
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43
all docs

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docs citations

43
times ranked

1648
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Assessment of Microgrid Communication Network Performance for Medium-Scale IEEE Bus Systems Using Multi-Agent System. <i>Lecture Notes in Networks and Systems</i> , 2021, , 377-387.	0.7	2
5	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. <i>Data in Brief</i> , 2021, 39, 107630.	1.0	1
6	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
7	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
8	Design of a New Hybrid Topology of WPT System to Achieve Load-Independent Constant-Current and Constant-Voltage Output. <i>Symmetry</i> , 2020, 12, 1453.	2.2	3
9	Routing Based Multi-Agent System for Network Reliability in the Smart Microgrid. <i>Sensors</i> , 2020, 20, 2992.	3.8	11
10	Power Consumption Optimization for the Industrial Load Plant Using Improved ANFIS-Based Accelerated PSO Technique. <i>SpringerBriefs in Energy</i> , 2020, , 35-51.	0.3	2
11	Optimal Placement and Sizing of Distributed Generators and Distributed-Static Compensator in Radial Distribution System. <i>International Journal of Energy Optimization and Engineering</i> , 2019, 8, 47-66.	0.6	2
12	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
13	Enhanced Dickson voltage multiplier rectenna by developing analytical model for radio frequency harvesting applications. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2019, 29, e21657.	1.2	6
14	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
15	An Application of a Novel Technique for Assessing the Operating Performance of Existing Cooling Systems on a University Campus. <i>Energies</i> , 2018, 11, 719.	3.1	8
16	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
17	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
18	Modified meta heuristics and improved backpropagation neural network-based electrical load demand prediction technique for smart grid. <i>IEEJ Transactions on Electrical and Electronic Engineering</i> , 2017, 12, S20.	1.4	2

#	ARTICLE	IF	CITATIONS
19	Building energy for sustainable development in Malaysia: A review. Renewable and Sustainable Energy Reviews, 2017, 75, 1392-1403.	16.4	93
20	One rank cuckoo search algorithm for optimal placement of multiple distributed generators in distribution networks. , 2017, , .		9
21	Optimal Placement and Sizing of Renewable Distributed Generations and Capacitor Banks into Radial Distribution Systems. Energies, 2017, 10, 811.	3.1	38
22	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
23	Advanced Pareto Front Non-Dominated Sorting Multi-Objective Particle Swarm Optimization for Optimal Placement and Sizing of Distributed Generation. Energies, 2016, 9, 982.	3.1	51
24	Intelligent approach for optimal energy management of chiller plant using fuzzy and PSO techniques. , 2016, , .		2
25	Electricity load forecasting using hybrid wavelet neural network based on parallel prediction method. , 2016, , .		1
26	Intelligent multi-objective control and management for smart energy efficient buildings. International Journal of Electrical Power and Energy Systems, 2016, 74, 403-409.	5.5	76
27	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
28	PC Based Energy Efficient Wireless Transceiver Module with ZigBee. Applied Mechanics and Materials, 2015, 785, 724-728.	0.2	3
29	Simulation and development of ZigBee based wireless stakeout system controlled by PC. , 2015, , .		1
30	A New Strategy for Multiple Chillers Plant Operation Using Fuzzy Inference System. Applied Mechanics and Materials, 2015, 785, 671-675.	0.2	2
31	A review on optimized control systems for building energy and comfort management of smart sustainable buildings. Renewable and Sustainable Energy Reviews, 2014, 34, 409-429.	16.4	633
32	Intelligent demand side management technique for industrial consumer. , 2014, , .		7
33	Optimized intelligent control system for indoor thermal comfort and energy management of buildings. , 2014, , .		4
34	Optimization of neural network architecture using genetic algorithm for load forecasting. , 2014, , .		23
35	Stochastic optimized intelligent controller for smart energy efficient buildings. Sustainable Cities and Society, 2014, 13, 41-45.	10.4	22
36	Intelligent Optimized Control System for Energy and Comfort Management in Efficient and Sustainable Buildings. Procedia Technology, 2013, 11, 99-106.	1.1	24

#	ARTICLE	IF	CITATIONS
37	Tracing and prediction of losses for deregulated operation of power systems. European Transactions on Electrical Power, 2011, 21, 223-238.	1.0	4
38	Power quality problem classification based on Wavelet Transform and a Rule-Based method. , 2010, , .		2
39	Power system studies for reliable operation of an offshore platform. , 2010, , .		2
40	Modelling & simulation of an offshore platform (SUMANDAK Phase 2 - SUPG-B) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622		
41	One-Hour Ahead Load Forecasting Based on Wavelet Neural Networks. Applied Mechanics and Materials, 0, 785, 53-57.	0.2	1
42	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
43	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