

# Ravi kuppan

## List of Publications by Year in descending order

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Version: 2024-02-01

43  
papers

1,249  
citations

516710

16  
h-index

477307

29  
g-index

46  
all docs

46  
docs citations

46  
times ranked

836  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal sizing and placement of multiple renewable distribution generation and <scp>DSTATCOM</scp> in radial distribution systems using hybrid lightning search algorithm&#x2013;simplex method optimization algorithm. Computational Intelligence, 2021, 37, 1673-1690.	3.2	9
2	Solving multi objective power flow problem using enhanced sine cosine algorithm. Ain Shams Engineering Journal, 2021, 12, 3803-3817.	6.1	11
3	Effect of SiC particles reinforcement on mechanical properties of aluminium 6061 alloy processed using stir casting route. Materials Today: Proceedings, 2020, 21, 968-970.	1.8	35
4	Squirrel cage induction generator to 140 bus weak distribution power grid connection using i-UPQC for voltage fluctuations. Microelectronics Journal, 2019, 92, 104607.	2.0	3
5	Modified Particle Swam Optimization based LVRT control strategy for grid connected WECS. , 2019, , .		2
6	New performance upgrade grid system with PV Integrated UPQC-S control. , 2019, , .		1
7	Implementation of Modified Gravitational Search Algorithm for Solar Panel Parameters Extraction. , 2019, , .		0
8	A Review on Importance of Smart Grid in Electrical Power System. , 2019, , .		5
9	A New Interconnection Of Micro Grid Distributed Energy Sources Using Space Vector Multilevel Inverter. , 2019, , .		3
10	Performance Analysis And Mitigation Of Power Quality Issues With Hybrid B &#x201c; Statcom In 140 Bus Distribution System Connected To Scig Wind Turbine. , 2019, , .		0
11	Optimal placement and sizing of DSTATCOM using Ant lion optimization algorithm. , 2019, , .		8
12	Optimal Allocation of Multiple DSTATCOM in Distribution Network Using Chaotic WOA. Journal of Advanced Research in Dynamical and Control Systems, 2019, 11, 569-576.	0.2	1
13	Simulation of Integration of Smart Power Grids Using Distributed Energy Sources. Journal of Advanced Research in Dynamical and Control Systems, 2019, 11, 644-652.	0.2	1
14	An efficient method for solving the optimal sitting and sizing problem of capacitor banks based on cuckoo search algorithm. Ain Shams Engineering Journal, 2018, 9, 589-597.	6.1	75
15	CFD study and experimental investigation of piston geometry induced in-cylinder charge motion on LPG fuelled lean burn spark ignition engine. Fuel, 2018, 213, 1-11.	6.4	18
16	Optimal Allocation of DG in the Radial Distribution Network Using Bat Optimization Algorithm. Lecture Notes in Electrical Engineering, 2018, , 563-569.	0.4	34
17	Design and Analysis of Electrical Drives Using Active Front End Converter. , 2018, , .		8
18	Multi-objective simultaneous DG and DSTATCOM allocation in radial distribution networks using cuckoo searching algorithm. AEJ - Alexandria Engineering Journal, 2018, 57, 2729-2742.	6.4	61

#	ARTICLE	IF	CITATIONS
19	DSTATCOM allocation in distribution networks considering load variations using bat algorithm. Ain Shams Engineering Journal, 2017, 8, 391-403.	6.1	128
20	Optimization of emission/economic dispatch using euclidean affine flower pollination algorithm (eFPA) and binary FPA (BFPA) in solar photo voltaic generation. Renewable Energy, 2017, 107, 550-566.	8.9	72
21	Effect of compression ratio and hydrogen addition on part throttle performance of a LPG fuelled lean burn spark ignition engine. Fuel, 2017, 205, 71-79.	6.4	40
22	Optimal Power Flow Using Hybrid DA-APSO Algorithm in Renewable Energy Resources. Energy Procedia, 2017, 117, 1085-1092.	1.8	33
23	Multi-objective simultaneous placement of DG and DSTATCOM using novel lightning search algorithm. Journal of Applied Research and Technology, 2017, 15, 477-491.	0.9	62
24	Effect of piston geometry on performance and emission characteristics of an LPG fuelled lean burn SI engine at full throttle condition. Applied Thermal Engineering, 2017, 110, 1051-1060.	6.0	21
25	Solution for optimum power flow with and without fact devices: A survey. , 2017, , .		0
26	Optimal Allocation of DG and DSTATCOM in Radial Distribution System Using Cuckoo Search Optimization Algorithm. Modelling and Simulation in Engineering, 2017, 2017, 1-11.	0.7	54
27	Classification of Faults in Power Transmission Systems Using Modern Techniques. Advances in Knowledge Acquisition, Transfer and Management Book Series, 2017, , 181-203.	0.2	1
28	Parameter Extraction of Solar Photovoltaic Modules Using Gravitational Search Algorithm. Journal of Electrical and Computer Engineering, 2016, 2016, 1-6.	0.9	9
29	Optimal Power Flow, Sizing and Location of Thermal Generating Units Using Meta " Heuristic Soft Computing Algorithms. Procedia Computer Science, 2016, 92, 119-127.	2.0	2
30	A Technical Review on LVRT of DFIG Systems. Advances in Intelligent Systems and Computing, 2016, , 397-404.	0.6	0
31	Demand Side Management Using Bacterial Foraging Optimization Algorithm. Advances in Intelligent Systems and Computing, 2016, , 657-666.	0.6	7
32	Optimal size and siting of multiple DG and DSTATCOM in radial distribution system using Bacterial Foraging Optimization Algorithm. Ain Shams Engineering Journal, 2016, 7, 959-971.	6.1	161
33	An AIS Based Approach for Extraction of PV Module Parameters. Advances in Intelligent Systems and Computing, 2016, , 405-422.	0.6	2
34	Optimal Placement and Sizing of DSTATCOM Using Harmony Search Algorithm. Energy Procedia, 2015, 79, 759-765.	1.8	96
35	Power Loss Minimization in Radial Distribution System. Energy Procedia, 2015, 79, 917-923.	1.8	45
36	Optimal location and sizing of capacitor placement in radial distribution system using Bacterial Foraging Optimization Algorithm. International Journal of Electrical Power and Energy Systems, 2015, 71, 383-390.	5.5	135

#	ARTICLE	IF	CITATIONS
37	A new compilation of renewable energy sources using multilevel inverter with space vector modulation techniques. , 2014, , .		0
38	Power quality improvement in wind farm connected to grid using STATCOM. , 2014, , .		6
39	Harmonic diminution in unique inverter using particle swarm optimization algorithmic switching angles. , 2013, , .		1
40	Optimal location of FACTS devices using Improved Particle Swarm Optimization. International Journal of Electrical Power and Energy Systems, 2013, 49, 333-338.	5.5	75
41	Solving optimum power flow in dynamic environments to minimize tracking errors using dynamic bacterial foraging algorithm. , 2013, , .		2
42	Optimal location of FACTS devices using enhanced particle swarm optimization. , 2012, , .		5
43	A New Brute-Force Attack Method for Power System Restoration and Reconfiguration. International Journal of Soft Computing, 2011, 6, 16-19.	0.4	0