

# S Hemamalini

## List of Publications by Year in descending order

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34  
papers

1,324  
citations

687363

13  
h-index

501196

28  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1132  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonisolated High Gain DC-DC Converter for DC Microgrids. IEEE Transactions on Industrial Electronics, 2018, 65, 1205-1212.	7.9	214
2	Artificial Bee Colony Algorithm for Economic Load Dispatch Problem with Non-smooth Cost Functions. Electric Power Components and Systems, 2010, 38, 786-803.	1.8	155
3	Dynamic economic dispatch using artificial immune system for units with valve-point effect. International Journal of Electrical Power and Energy Systems, 2011, 33, 868-874.	5.5	141
4	Thermal unit commitment using binary/real coded artificial bee colony algorithm. Electric Power Systems Research, 2012, 84, 109-119.	3.6	120
5	Dynamic economic dispatch using artificial bee colony algorithm for units with valve-point effect. European Transactions on Electrical Power, 2011, 21, 70-81.	1.0	105
6	Prims-Aided Dijkstra Algorithm for Adaptive Protection in Microgrids. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2016, 4, 1279-1286.	5.4	72
7	Dynamic economic dispatch using Maclaurin series based Lagrangian method. Energy Conversion and Management, 2010, 51, 2212-2219.	9.2	67
8	Rational-Dilation Wavelet Transform Based Torque Estimation from Acoustic Signals for Fault Diagnosis in a Three-Phase Induction Motor. IEEE Transactions on Industrial Informatics, 2019, 15, 3492-3501.	11.3	63
9	Maclaurin series-based Lagrangian method for economic dispatch with valve-point effect. IET Generation, Transmission and Distribution, 2009, 3, 859-871.	2.5	61
10	Emission constrained economic dispatch with valve-point effect using particle swarm optimization. , 2008, , .		56
11	Coordinated control of MPPT and voltage regulation using single-stage high gain DC-DC converter in a grid-connected PV system. Electric Power Systems Research, 2019, 169, 65-73.	3.6	43
12	Decoupled control of grid connected photovoltaic system using fractional order controller. Ain Shams Engineering Journal, 2018, 9, 927-937.	6.1	39
13	Optimum Coordination of Overcurrent Relays in Distribution Systems Using Big-M and Dual Simplex Methods. , 2015, , .		23
14	Adaptive and Intelligent Controller for Protection in Radial Distribution System. Lecture Notes in Electrical Engineering, 2016, , 195-209.	0.4	18
15	A Dual Control Regenerative Braking Strategy for Two-Wheeler Application. Energy Procedia, 2017, 117, 299-305.	1.8	18
16	Graph Theory and Optimization Algorithms Aided Adaptive Protection in Reconfigurable Microgrid. Journal of Electrical Engineering and Technology, 2020, 15, 421-431.	2.0	15
17	Artificial Immune based Economic Load Dispatch with valve-point effect. , 2008, , .		12
18	Optimum Coordination of Overcurrent Relays Using Dual Simplex and Genetic Algorithms. , 2015, , .		12

#	ARTICLE	IF	CITATIONS
19	Prims Aided Floyd Warshall Algorithm for Shortest Path Identification in Microgrid. Lecture Notes in Electrical Engineering, 2017, , 283-291.	0.4	11
20	Emission constrained economic dispatch with valve-point effect using Maclaurin series-based Lagrangian method. International Journal of Power and Energy Conversion, 2012, 3, 1.	0.3	9
21	Modified Cuckoo Search Algorithm for Fittest Relay Identification in Microgrid. Advances in Intelligent Systems and Computing, 2017, , 81-87.	0.6	8
22	Integrated resource planning for a meshed distribution network under uncertainty. Electric Power Systems Research, 2021, 195, 107127.	3.6	7
23	Dual Simplex Algorithm Aided Adaptive Protection of Microgrid. , 2015, , .		6
24	Multiple DG Synchronization and De-synchronization in a Microgrid Using PLC. Advances in Intelligent Systems and Computing, 2016, , 565-572.	0.6	6
25	Communication Assisted Overcurrent Protection of Microgrid. , 2015, , .		5
26	Shortest Path Identification in Reconfigurable Microgrid Using Hybrid Bellman Ford-Dijkstra's Algorithm. Advanced Science Letters, 2016, 22, 2932-2935.	0.2	5
27	Reliability based optimal DG planning for a meshed distribution network. Journal of Renewable and Sustainable Energy, 2019, 11, 066301.	2.0	4
28	High Efficiency Buck LED Driver Using SiC. Energy Procedia, 2017, 117, 224-235.	1.8	3
29	LED Boost Driver Topologies for Low Voltage DC Distribution Systems in Smart Structured Buildings. Electric Power Components and Systems, 2018, 46, 1134-1146.	1.8	3
30	Performance Analysis of Single-Stage LED Buck Driver Topologies for Low-Voltage DC Distribution Systems. IETE Journal of Research, 2019, , 1-13.	2.6	3
31	Performance Analysis of Multilevel Inverter Topologies for a Standalone Photovoltaic System. Lecture Notes in Electrical Engineering, 2016, , 135-148.	0.4	2
32	Hybrid Prims-Johnson's Algorithm for Shortest Path Identification in Reconfigurable Microgrid. Advanced Science Letters, 2016, 22, 2922-2926.	0.2	2
33	Chazelle-Dijkstra Method Using Fibonacci Heaps Algorithm for Identifying Shortest Path in Microgrids. International Journal of Simulation: Systems, Science and Technology, 0, , .	0.0	1
34	Lighting Design for a Campus Hostel Building Using Single-Stage Efficient Buck LED Driver. Lecture Notes in Electrical Engineering, 2020, , 337-351.	0.4	1