

S Ushakumari

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

180
citations

2258059

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1872680

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all docs

29
docs citations

29
times ranked

153
citing authors

#	ARTICLE	IF	CITATIONS
1	A Shunt DC Electric Spring-Based Control Strategy for Real-Time Critical and Noncritical Load Management in DC Microgrid. International Transactions on Electrical Energy Systems, 2022, 2022, 1-12.	1.9	0
2	Robust loop-shaping controller for load frequency control of an uncertain deregulated power system. Journal of the Institution of Engineers (India): Series B, 2019, 100, 357-369.	1.9	1
3	Regenerative Braking Mode Operation of a Three-Phase H-Bridge Inverter Fed PMBLDC Motor Generator Drive in an Electric Bike. Electric Power Components and Systems, 2018, 46, 2174-2188.	1.8	3
4	A Laboratory Scale Test-Bed for Demonstrating and Validating Smart Grid Concepts. , 2018, , .		0
5	A Novel Algorithm for Detection and Diagnosis of Switching Faults of Three Phase Induction Motor Drive System. , 2018, , .		4
6	A Novel Control Strategy for Autonomous Operation of Isolated Microgrid with Prioritized Loads. Journal of the Institution of Engineers (India): Series B, 2018, 99, 323-330.	1.9	3
7	Effect of power factor on torque capability of FOC induction machine in field weakening region for propulsion systems. Electrical Engineering, 2017, 99, 1065-1072.	2.0	2
8	Performance comparison of a canonical switching cell converter fed sensorless PMBLDC motor drive with conventional and fuzzy logic controllers. , 2017, , .		2
9	Design of robust sliding mode and fuzzy logic controllers for boost and buck-boost converters. , 2017, , .		7
10	Structured H-infinity controller for an uncertain deregulated power system. , 2016, , .		0
11	H-infinity loop-shaping controller for load frequency control of an uncertain deregulated power system. , 2016, , .		11
12	H-Infinity Loop-Shaping Controller for Load Frequency Control of a Deregulated Power System. Procedia Technology, 2016, 25, 775-784.	1.1	20
13	A Novel Architecture for Data Management and Control in Autonomous Intelligent Microgrid. Procedia Computer Science, 2016, 89, 412-421.	2.0	7
14	Rotor fault detection and diagnosis of three phase induction motor drive system. , 2015, , .		4
15	Optimal load frequency controller for a deregulated non-reheat thermal power system. , 2015, , .		9
16	A two stage algorithm for optimal management of isolated microgrid. , 2015, , .		3
17	Biogeography based tuning of PID controllers for Load Frequency Control in microgrid. , 2014, , .		19
18	Optimal management of islanded microgrid using binary particle swarm optimization. , 2014, , .		6

#	ARTICLE	IF	CITATIONS
19	Switching fault detection and analysis of induction motor drive system using fuzzy logic. , 2014, , .		6
20	Expert System for Power Plant Operator Performance Evaluation. , 2014, , .		2
21	CFT based optimal PWM strategy for three phase inverter. , 2012, , .		7
22	Sensorless vector control of SVPWM inverter fed induction machine using MRAS-sliding mode. , 2012, , .		13
23	Rotor fault analysis of an induction motor using FEM. , 2012, , .		6
24	Stabilization of three pole Active Magnetic Bearing by sliding mode control techniques. , 2012, , .		2
25	Incipient fault detection and diagnosis of induction motor using fuzzy logic. , 2011, , .		11
26	Modified Direct Torque Control of induction motor drives. , 2011, , .		8
27	Fault detection and diagnosis of an induction motor using fuzzy logic. , 2010, , .		13
28	Adaptive neuro-fuzzy controller for improved performance of a permanent magnet brushless DC motor. , 0, , .		10