

S Ushakumari

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

180
citations

2258059

3
h-index

1872680

6
g-index

29
all docs

29
docs citations

29
times ranked

153
citing authors

#	ARTICLE	IF	CITATIONS
1	H-Infinity Loop-Shaping Controller for Load Frequency Control of a Deregulated Power System. <i>Procedia Technology</i> , 2016, 25, 775-784.	1.1	20
2	Biogeography based tuning of PID controllers for Load Frequency Control in microgrid. , 2014, , .		19
3	Fault detection and diagnosis of an induction motor using fuzzy logic. , 2010, , .		13
4	Sensorless vector control of SVPWM inverter fed induction machine using MRAS-sliding mode. , 2012, , .		13
5	Incipient fault detection and diagnosis of induction motor using fuzzy logic. , 2011, , .		11
6	H-infinity loop-shaping controller for load frequency control of an uncertain deregulated power system. , 2016, , .		11
7	Adaptive neuro-fuzzy controller for improved performance of a permanent magnet brushless DC motor. , 0, , .		10
8	Optimal load frequency controller for a deregulated non-reheat thermal power system. , 2015, , .		9
9	Modified Direct Torque Control of induction motor drives. , 2011, , .		8
10	CFT based optimal PWM strategy for three phase inverter. , 2012, , .		7
11	A Novel Architecture for Data Management and Control in Autonomous Intelligent Microgrid. <i>Procedia Computer Science</i> , 2016, 89, 412-421.	2.0	7
12	Design of robust sliding mode and fuzzy logic controllers for boost and buck-boost converters. , 2017, , .		7
13	Rotor fault analysis of an induction motor using FEM. , 2012, , .		6
14	Optimal management of islanded microgrid using binary particle swarm optimization. , 2014, , .		6
15	Switching fault detection and analysis of induction motor drive system using fuzzy logic. , 2014, , .		6
16	Rotor fault detection and diagnosis of three phase induction motor drive system. , 2015, , .		4
17	A Novel Algorithm for Detection and Diagnosis of Switching Faults of Three Phase Induction Motor Drive System. , 2018, , .		4
18	A two stage algorithm for optimal management of isolated microgrid. , 2015, , .		3

#	ARTICLE	IF	CITATIONS
19	Regenerative Braking Mode Operation of a Three-Phase H-Bridge Inverter Fed PMBLDC Motor Generator Drive in an Electric Bike. <i>Electric Power Components and Systems</i> , 2018, 46, 2174-2188.	1.8	3
20	A Novel Control Strategy for Autonomous Operation of Isolated Microgrid with Prioritized Loads. <i>Journal of the Institution of Engineers (India): Series B</i> , 2018, 99, 323-330.	1.9	3
21	Stabilization of three pole Active Magnetic Bearing by sliding mode control techniques. , 2012, , .		2
22	Expert System for Power Plant Operator Performance Evaluation. , 2014, , .		2
23	Effect of power factor on torque capability of FOC induction machine in field weakening region for propulsion systems. <i>Electrical Engineering</i> , 2017, 99, 1065-1072.	2.0	2
24	Performance comparison of a canonical switching cell converter fed sensorless PMBLDC motor drive with conventional and fuzzy logic controllers. , 2017, , .		2
25	Robust loop-shaping controller for load frequency control of an uncertain deregulated power system. <i>Journal of the Institution of Engineers (India): Series B</i> , 2019, 100, 357-369.	1.9	1
26	Structured H-infinity controller for an uncertain deregulated power system. , 2016, , .		0
27	A Laboratory Scale Test-Bed for Demonstrating and Validating Smart Grid Concepts. , 2018, , .		0
28	A Shunt DC Electric Spring-Based Control Strategy for Real-Time Critical and Noncritical Load Management in DC Microgrid. <i>International Transactions on Electrical Energy Systems</i> , 2022, 2022, 1-12.	1.9	0