Sumana Chowdhuri

List of Publications by Year
in descending order

26	175	2258059	1872680
papers	citations	3	6
		h-index	g-index

26	26	26	78
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	Sensor-less Vector Control of Surface PM Synchronous Motor Using Reduced -Order Cubature Kalman Filter Based Estimator. , 2022, , .		0
2	Active Cell Balancing of Lithium-ion Battery Pack Using Dual DC-DC Converter and Auxiliary Lead-acid Battery. Journal of Energy Storage, 2021, 33, 102109.	8.1	34
3	Performance Evaluation of CKF Based Sensorless Vector Controlled PM Synchronous Motor Drive. Journal of Electrical Engineering and Technology, 2021, 16, 889-897.	2.0	5
4	High-Performance Control of Surface PM Synchronous Motor by Power Factor Angle-Based Control of Stator Voltage Vector. Journal of Control, Automation and Electrical Systems, 2021, 32, 703-710.	2.0	2
5	Design and Implementation of Hybrid Self-Control Scheme for PM Synchronous Motor Drive. Journal of the Institution of Engineers (India): Series B, 2021, 102, 671.	1.9	0
6	Machine Learning-Based Data-Driven Fault Detection/Diagnosis of Lithium-Ion Battery: A Critical Review. Electronics (Switzerland), 2021, 10, 1309.	3.1	71
7	Performance Evaluation and Filter Design Aspects of Single-Phase Inverter under Different Loading Conditions. IETE Journal of Research, 2020, 66, 103-114.	2.6	2
8	An Efficient G2V and V2G Converter Systems for EV Application. , 2020, , .		3
9	Performance Analysis of a Micro Grid VSI under Asymmetric Conditions. , 2018, , .		1
10	Analysis of Single Phase PWM Rectifier for Different Applications. Journal of the Institution of Engineers (India): Series B, 2017, 98, 161-169.	1.9	5
11	Grid-tied VSI protection against grid side faults based on voltage. , 2017, , .		3
12	Decision making on load management for plug-in hybrid electric vehicle in smart grid. , 2017, , .		2
13	Development of remote monitoring analysis and reporting system for industrial machines. , 2016, , .		3
14	Design and development of an 8 bit microcontroller based space vector PWM inverter fed volt/Hz induction motor drive. , 2016, , .		5
15	Channel Efficiency with Security Enhancement for Remote Condition Monitoring of Multi Machine System Using Hybrid Huffman Coding. Journal of the Institution of Engineers (India): Series B, 2016, 97, 469-480.	1.9	0
16	Design trends of linear induction motor (LIM) and design issues of a single sided LIM. , 2014, , .		3
17	A novel hybrid Huffman coding compression technique for secured condition monitoring of induction machine. , 2014, , .		1
18	Assesment of stability of an alternator from its real and reactive power output using RTDS with NI-LabVIEW. , 2014, , .		0

#	Article	IF	Citations
19	An ICT Based Reliable Remote Condition Monitoring of Induction Machine. , 2014, , .		0
20	Sample shifting technique (SST) for estimation of harmonic power in polluted environment. , 2013, , .		9
21	Development of USB compatible PC based PD motor controller for chemical process. , 2012, , .		1
22	Development of an efficient photovoltaic MPPT Controller. , 2012, , .		3
23	GSM based condition reporting system for power station equipments. , 2012, , .		3
24	Performance Studies of Fuzzy Logic Based PI-like Controller Designed for Speed Control of Switched Reluctance Motor. , 2006, , .		12
25	High performance sensor-less V/f control of surface PMSM in voltage vector plane with ZVV injection and SMO-based position estimation method. Electrical Engineering, 0, , 1.	2.0	5
26	Sensorless vector control of PM synchronous motor by hybrid estimation technique considering effect of non-ideal physical attributes. Electrical Engineering, 0, , 1.	2.0	2