

Ujjwal Kumar Kalla

List of Publications by Citations

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36
papers

381
citations

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54
ext. papers

714
ext. citations

4.2
avg, IF

4.06
L-index

#	Paper	IF	Citations
36	Adaptive Sliding Mode Control of Standalone Single-Phase Microgrid Using Hydro, Wind, and Solar PV Array-Based Generation. <i>IEEE Transactions on Smart Grid</i> , 2018 , 9, 6806-6814	10.7	53
35	Adaptive noise suppression filter based integrated voltage and frequency controller for two-winding single-phase self-excited induction generator. <i>IET Renewable Power Generation</i> , 2014 , 8, 827-837	2.9	38
34	. <i>IEEE Transactions on Industry Applications</i> , 2016 , 52, 2789-2800	4.3	36
33	Normalised adaptive linear element-based control of single-phase self excited induction generator feeding fluctuating loads. <i>IET Power Electronics</i> , 2014 , 7, 2151-2160	2.2	31
32	Enhanced Power Generation From Two-Winding Single-Phase SEIG Using LMDT-Based Decoupled Voltage and Frequency Control. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 6934-6943	8.9	29
31	Green Controller for Efficient Diesel Engine Driven Single-Phase SEIG Using Maximum Efficiency Point Operation. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 264-274	8.9	22
30	Intelligent Neural Network-Based Controller for Single-Phase Wind Energy Conversion System Using Two Winding Self-Excited Induction Generator. <i>IEEE Transactions on Industrial Informatics</i> , 2016 , 12, 1986-1997	11.9	20
29	Slide mode control of microgrid using small hydro driven single-phase SEIG integrated with solar PV array. <i>IET Renewable Power Generation</i> , 2017 , 11, 1464-1472	2.9	19
28	Adaptive harmonic cancellation scheme for voltage and frequency control of a single-phase two-winding SEIG 2015 ,		17
27	Physical phenomenons in two winding single phase Self Excited Induction Generators 2012 ,		16
26	Power quality improved single-input dual-output boost converter with reduced components 2016 ,		14
25	. <i>IEEE Transactions on Industry Applications</i> , 2020 , 56, 787-799	4.3	13
24	An experimental study of power quality issues in ceramic insulator industry 2016 ,		13
23	Generalized electronic controller for multi-pulse battery charging systems 2016 ,		13
22	Implementation of Voltage Controller of Single-phase Self-excited Induction Generator. <i>Electric Power Components and Systems</i> , 2016 , 44, 1276-1290	1	10
21	. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 121-134	4.3	6
20	A normalized neural network based controller for power quality improved grid connected solar PV systems 2016 ,		5

19	Improved power quality charging scheme for heavy-duty vehicle battery swapping stations. <i>IET Power Electronics</i> , 2019 , 12, 3422-3437	2.2	4
18	Design and analysis of LCL filter for interconnection with grid connected PV system 2016 ,		3
17	Voltage-controlled power factor corrected CSC derived DCDC converter for PMBLDC driven home appliances. <i>IET Power Electronics</i> , 2020 , 13, 3407-3418	2.2	3
16	State-of-the-art and comprehensive study of renewable energy sources based microgrid with single-phase self-excited induction generator. <i>IET Renewable Power Generation</i> , 2020 , 14, 3699-3714	2.9	3
15	Minor component analysis based anti-hebbian neural network scheme of decoupled voltage and frequency controller (DVFC) for nanohydro system 2016 ,		2
14	Sliding reinforced competitive learning scheme for voltage and frequency regulation of diesel engine driven standalone single-phase generators 2016 ,		2
13	Control algorithm based on amplitude adaptive filter for DSTATCOM 2016 ,		2
12	An adaptive control of voltage source converter based scheme for grid connected solar PV - battery system 2016 ,		2
11	Performance Investigation of Conventional AC Chopper fed Three Phase Star with Neutral Connected Heating Load Systems 2020 ,		1
10	Analysis of Partial Discharge Measurements in High Voltage XLPE Cable 2020 ,		1
9	An efficient controller for PV operated PMBLDC drive based electric vehicle system 2016 ,		1
8	A controller for cascaded h-bridge multilevel inverter 2016 ,		1
7	Power Quality Analysis of Single Phase Conventional AC Chopper Based Small Power Heating Oven Systems 2018 ,		1
6	Performance Investigation of Synchronized Three Phase AC Chopper based Controller for Small Hydro Generation Systems. <i>IEEE Transactions on Industry Applications</i> , 2022 , 1-1	4.3	0
5	An improved power quality modified DC-DC converter fed PMBLDC motor drive system for household applications. <i>International Transactions on Electrical Energy Systems</i> , 2020 , 31, e12620	2.2	0
4	Modified neural network algorithm-based control scheme of grid connected solar photovoltaic systems. <i>International Transactions on Electrical Energy Systems</i> , 2020 , 31, e12547	2.2	0
3	Micro-hydro generator fed frequency adaptive sliding mode controlled air conditioning system for remote and hilly areas. <i>IET Renewable Power Generation</i> , 2021 , 15, 1498-1514	2.9	
2	An Intelligent Control Scheme for Optimum Efficiency and Reduced Emission Operation of Marine Transportation System. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022 , 1-12	6.1	

