

# Ujjwal Kumar Kalla

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

36 papers	381 citations	13 h-index	19 g-index
54 ext. papers	714 ext. citations	4.2 avg, IF	4.06 L-index

#	Paper	IF	Citations
36	Performance Investigation of Synchronized Three Phase AC Chopper based Controller for Small Hydro Generation Systems. <i>IEEE Transactions on Industry Applications</i> , <b>2022</b> , 1-1	4.3	0
35	An Intelligent Control Scheme for Optimum Efficiency and Reduced Emission Operation of Marine Transportation System. <i>IEEE Transactions on Intelligent Transportation Systems</i> , <b>2022</b> , 1-12	6.1	
34	A BL-CC Converter-Based BLDC Motor Drive for Marine Electric Vehicle Applications. <i>International Transactions on Electrical Energy Systems</i> , <b>2022</b> , 2022, 1-18	2.2	
33	Micro-hydro generator fed frequency adaptive sliding mode controlled air conditioning system for remote and hilly areas. <i>IET Renewable Power Generation</i> , <b>2021</b> , 15, 1498-1514	2.9	
32	Performance Investigation of Conventional AC Chopper fed Three Phase Star with Neutral Connected Heating Load Systems <b>2020</b> ,		1
31	Analysis of Partial Discharge Measurements in High Voltage XLPE Cable <b>2020</b> ,		1
30	Voltage-controlled power factor corrected CSC derived DCDC converter for PMBLDC driven home appliances. <i>IET Power Electronics</i> , <b>2020</b> , 13, 3407-3418	2.2	3
29	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> , <b>2020</b> , 14, 3699-3714	2.9	3
28	. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 787-799	4.3	13
27	An improved power quality modified DC-DC converter fed PMBLDC motor drive system for household applications. <i>International Transactions on Electrical Energy Systems</i> , <b>2020</b> , 31, e12620	2.2	0
26	Modified neural network algorithm-based control scheme of grid connected solar photovoltaic systems. <i>International Transactions on Electrical Energy Systems</i> , <b>2020</b> , 31, e12547	2.2	0
25	Improved power quality charging scheme for heavy-duty vehicle battery swapping stations. <i>IET Power Electronics</i> , <b>2019</b> , 12, 3422-3437	2.2	4
24	. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 121-134	4.3	6
23	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> , <b>2018</b> , 9, 6806-6814	10.7	53
22	Power Quality Analysis of Single Phase Conventional AC Chopper Based Small Power Heating Oven Systems <b>2018</b> ,		1
21	Slide mode control of microgrid using small hydro driven single-phase SEIG integrated with solar PV array. <i>IET Renewable Power Generation</i> , <b>2017</b> , 11, 1464-1472	2.9	19
20	Green Controller for Efficient Diesel Engine Driven Single-Phase SEIG Using Maximum Efficiency Point Operation. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 264-274	8.9	22

19	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> , <b>2016</b> , 12, 1986-1997	11.9	20
18	Minor component analysis based anti-hebbian neural network scheme of decoupled voltage and frequency controller (DVFC) for nanohydro system <b>2016</b> ,		2
17	An efficient controller for PV operated PMLDC drive based electric vehicle system <b>2016</b> ,		1
16	Sliding reinforced competitive learning scheme for voltage and frequency regulation of diesel engine driven standalone single-phase generators <b>2016</b> ,		2
15	Design and analysis of LCL filter for interconnection with grid connected PV system <b>2016</b> ,		3
14	A controller for cascaded h-bridge multilevel inverter <b>2016</b> ,		1
13	A normalized neural network based controller for power quality improved grid connected solar PV systems <b>2016</b> ,		5
12	Control algorithm based on amplitude adaptive filter for DSTATCOM <b>2016</b> ,		2
11	An adaptive control of voltage source converter based scheme for grid connected solar PV - battery system <b>2016</b> ,		2
10	Implementation of Voltage Controller of Single-phase Self-excited Induction Generator. <i>Electric Power Components and Systems</i> , <b>2016</b> , 44, 1276-1290	1	10
9	. <i>IEEE Transactions on Industry Applications</i> , <b>2016</b> , 52, 2789-2800	4.3	36
8	An experimental study of power quality issues in ceramic insulator industry <b>2016</b> ,		13
7	Power quality improved single-input dual-output boost converter with reduced components <b>2016</b> ,		14
6	Generalized electronic controller for multi-pulse battery charging systems <b>2016</b> ,		13
5	Enhanced Power Generation From Two-Winding Single-Phase SEIG Using LMDT-Based Decoupled Voltage and Frequency Control. <i>IEEE Transactions on Industrial Electronics</i> , <b>2015</b> , 62, 6934-6943	8.9	29
4	Adaptive harmonic cancellation scheme for voltage and frequency control of a single-phase two-winding SEIG <b>2015</b> ,		17
3	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> , <b>2014</b> , 8, 827-837	2.9	38
2	Normalised adaptive linear element-based control of single-phase self excited induction generator feeding fluctuating loads. <i>IET Power Electronics</i> , <b>2014</b> , 7, 2151-2160	2.2	31

1 Physical phenomenons in two winding single phase Self Excited Induction Generators **2012**,

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