

# Sanjeev Singh

## List of Publications by Citations

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45  
papers

456  
citations

8  
h-index

20  
g-index

64  
ext. papers

690  
ext. citations

2.4  
avg, IF

3.97  
L-index

#	Paper	IF	Citations
45	Comprehensive Study of Single-Phase AC-DC Power Factor Corrected Converters With High-Frequency Isolation. <i>IEEE Transactions on Industrial Informatics</i> , <b>2011</b> , 7, 540-556	11.9	203
44	A Voltage-Controlled PFC Cuk Converter-Based PMBLDCM Drive for Air-Conditioners. <i>IEEE Transactions on Industry Applications</i> , <b>2012</b> , 48, 832-838	4.3	67
43	Microgrid: Configurations, Control and Applications. <i>IEEE Transactions on Smart Grid</i> , <b>2019</b> , 10, 1290-1302	20.7	28
42	Optimized Passive Filter Design Using Modified Particle Swarm Optimization Algorithm for a 12-Pulse Converter-Fed LCI Synchronous Motor Drive. <i>IEEE Transactions on Industry Applications</i> , <b>2014</b> , 50, 2681-2689	4.3	22
41	Comprehensive Controller Implementation for Wind-PV-Diesel Based Standalone Microgrid. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 5416-5428	4.3	16
40	Harmonics Mitigation in LCI-Fed Synchronous Motor Drives. <i>IEEE Transactions on Energy Conversion</i> , <b>2010</b> , 25, 369-380	5.4	12
39	Power Quality Improved PMBLDCM Drive for Adjustable Speed Application with Reduced Sensor Buck-Boost PFC Converter <b>2011</b> ,		10
38	Voltage controlled PFC Zeta converter based PMBLDCM drive for an air-conditioner <b>2010</b> ,		10
37	Implementation of Two-Level Coordinated Control for Seamless Transfer in Standalone Microgrid. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 1057-1068	4.3	8
36	Isolated 3-phase self-excited induction generator in pico-hydro power plant using water pump load in remote mountainous region of Himalayas <b>2014</b> ,		7
35	Real-time hardware testing, control and performance analysis of hybrid cost-effective wind-PV-diesel standalone power generation system <b>2017</b> ,		5
34	Isolated Zeta PFC converter based voltage controlled PMBLDCM drive for air-conditioning application <b>2011</b> ,		5
33	Voltage controlled PFC SEPIC converter fed PMBLDCM drive for an air-conditioner <b>2010</b> ,		5
32	Power quality improvement using optimized Passive Filter for 12-pulse rectifier-chopper in LCI fed synchronous motor drives <b>2011</b> ,		4
31	A Voltage Controlled PFC Cuk Converter Based PMBLDCM Drive for Air-Conditioners <b>2010</b> ,		4
30	A power factor corrected PMBLDCM drive for air-conditioner using bridge converter <b>2010</b> ,		4
29	PFC Bridge Converter for Voltage-controlled Adjustable-speed PMBLDCM Drive. <i>Journal of Electrical Engineering and Technology</i> , <b>2011</b> , 6, 215-225	1.4	4

28	Off-Grid System Configurations for Coordinated Control of Renewable Energy Sources. <i>Energies</i> , <b>2020</b> , 13, 4950	3.1	4
27	Power quality control of SEIG based isolated pico hydro power plant feeding non-linear load <b>2014</b> ,		3
26	An adjustable speed PMLDCM drive for air conditioner using PFC Zeta converter. <i>International Journal of Power Electronics</i> , <b>2011</b> , 3, 171	0.2	3
25	PFC buck-boost converter based voltage controlled adjustable speed PMLDCM drive for air-conditioning. <i>European Transactions on Electrical Power</i> , <b>2011</b> , 21, 424-438		3
24	Half Bridge Boost Converter for Power Quality Improvement in PMLDCM Drive <b>2009</b> ,		3
23	Speed Controller Optimization for PMSM Drive Using PSO Algorithm. <i>Advances in Intelligent Systems and Computing</i> , <b>2016</b> , 989-999	0.4	2
22	Position Sensorless Control for PMLDC Motor Drive Using Digital Signal Processor. <i>Journal of Circuits, Systems and Computers</i> , <b>2016</b> , 25, 1650077	0.9	2
21	PFC buck converter fed PMLDCM drive for low power applications <b>2012</b> ,		2
20	A voltage controlled adjustable speed PMLDCM drive using a single-stage PFC half-bridge converter <b>2010</b> ,		2
19	Passive filter design for a 12-pulse converter fed LCI-synchronous motor drive <b>2010</b> ,		2
18	Particle swarm optimisation for power quality improvement of a 12-pulse rectifier-chopper fed LCI-synchronous motor drive. <i>International Journal of Intelligent Systems Technologies and Applications</i> , <b>2012</b> , 11, 267	0.5	2
17	Three-Level Inverters for Induction Motor Driven Electric Vehicles <b>2021</b> ,		2
16	A Reduced Switch Count Symmetric T-type Multilevel Inverter with Single and Multiple Switch Open Circuit Fault Tolerant Capabilities. <i>IETE Journal of Research</i> ,1-23	0.9	2
15	Impact of Harmonics on Power Transformer Losses and Capacity Using Open DSS. <i>International Journal of Emerging Electric Power Systems</i> , <b>2019</b> , 20,	1.4	1
14	Designing of electronic load controller for 3- $\phi$ SEIG used in constant power prime-mover driven Pico/Micro hydro power generation system <b>2016</b> ,		1
13	Performance evaluation of isolated 3-phase self-excited induction generator for remote mountainous region of Himalayas <b>2014</b> ,		1
12	A control scheme for position sensorless operation of PMLDC motor from standstill to rated speed <b>2014</b> ,		1
11	Power Quality Improvement of PMLDCM Driven Air-Conditioner Using a Single-Stage PFC Boost Bridge Converter <b>2009</b> ,		1

10	Experimental Evaluation of Performance of Constant Power Prime-Mover Driven Isolated 3- $\phi$ IEIG for Pico-Hydro Power Generation System in Remote Mountainous Region of Himalayas. <i>MATEC Web of Conferences</i> , <b>2016</b> , 57, 01025	0.3	1
9	Coordinated Control Strategy for Hybrid Off-Grid System based on Variable Speed Diesel Generator. <i>IEEE Transactions on Industry Applications</i> , <b>2022</b> , 1-1	4.3	1
8	Indirect Current Vector Controlled Three-Level Inverter for Induction Motor Driven Electric Vehicle. <i>Lecture Notes in Electrical Engineering</i> , <b>2022</b> , 575-585	0.2	1
7	Power quality control of voltage source converter-based HVDC system using particle swarm optimisation. <i>International Journal of Power and Energy Conversion</i> , <b>2017</b> , 8, 435	0.4	0
6	Hardware Implementation of Composite Control Strategy for Wind-PV-Battery Hybrid Off-Grid Power Generation System. <i>Clean Technologies</i> , <b>2021</b> , 3, 821-843	3.4	0
5	Single Stage Multiple Source Bidirectional Converter for Electric Vehicles. <i>Lecture Notes in Electrical Engineering</i> , <b>2022</b> , 567-574	0.2	0
4	Optimized Controller Design for a 12-Pulse Voltage Source Converter Based HVDC System. <i>Journal of the Institution of Engineers (India): Series B</i> , <b>2017</b> , 98, 567-577	0.9	
3	Modified PSO Algorithm for Controller Optimization of a PFC $\mu$ k Converter-Fed PMBLDCM Drive. <i>Advances in Intelligent Systems and Computing</i> , <b>2016</b> , 977-987	0.4	
2	SPWM Control Scheme for CHB-MLI with Minimal Voltage THD. <i>Springer Proceedings in Energy</i> , <b>2021</b> , 429-442	0.2	
1	Use of Induction Generators in Small Hydro Power Generation System Feeding Isolated Load in Remote Mountainous Regions of Himalayas		