

# Sanjeev Singh

## List of Publications by Year in descending order

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64  
docs citations

64  
times ranked

481  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comprehensive Study of Single-Phase AC-DC Power Factor Corrected Converters With High-Frequency Isolation. IEEE Transactions on Industrial Informatics, 2011, 7, 540-556.	7.2	328
2	A Voltage-Controlled PFC Cuk Converter-Based PMBLDCM Drive for Air-Conditioners. IEEE Transactions on Industry Applications, 2012, 48, 832-838.	3.3	108
3	Microgrid: Configurations, Control and Applications. IEEE Transactions on Smart Grid, 2019, 10, 1290-1302.	6.2	53
4	Comprehensive Controller Implementation for Wind-PV-Diesel Based Standalone Microgrid. IEEE Transactions on Industry Applications, 2019, 55, 5416-5428.	3.3	36
5	Optimized Passive Filter Design Using Modified Particle Swarm Optimization Algorithm for a 12-Pulse Converter-Fed LCI&#x2013;Synchronous Motor Drive. IEEE Transactions on Industry Applications, 2014, 50, 2681-2689.	3.3	34
6	Power Quality Improved PMBLDCM Drive for Adjustable Speed Application with Reduced Sensor Buck-Boost PFC Converter. , 2011, , .		20
7	Voltage controlled PFC Zeta converter based PMBLDCM drive for an air-conditioner. , 2010, , .		18
8	Harmonics Mitigation in LCI-Fed Synchronous Motor Drives. IEEE Transactions on Energy Conversion, 2010, 25, 369-380.	3.7	18
9	Implementation of Two-Level Coordinated Control for Seamless Transfer in Standalone Microgrid. IEEE Transactions on Industry Applications, 2021, 57, 1057-1068.	3.3	14
10	A voltage controlled adjustable speed PMBLDCM drive using a single-stage PFC half-bridge converter. , 2010, , .		9
11	PFC Bridge Converter for Voltage-controlled Adjustable-speed PMBLDCM Drive. Journal of Electrical Engineering and Technology, 2011, 6, 215-225.	1.2	9
12	Half Bridge Boost Converter for Power Quality Improvement in PMBLDCM Drive. , 2009, , .		8
13	Voltage controlled PFC SEPIC converter fed PMBLDCM drive for an air-conditioner. , 2010, , .		8
14	Isolated 3-phase self-excited induction generator in pico-hydro power plant using water pump load in remote mountainous region of Himalayas. , 2014, , .		8
15	Real-time hardware testing, control and performance analysis of hybrid cost-effective wind-PV-diesel standalone power generation system. , 2017, , .		8
16	Three-Level Inverters for Induction Motor Driven Electric Vehicles. , 2021, , .		8
17	Isolated Zeta PFC converter based voltage controlled PMBLDCM drive for air-conditioning application. , 2011, , .		7
18	Off-Grid System Configurations for Coordinated Control of Renewable Energy Sources. Energies, 2020, 13, 4950.	1.6	7

#	ARTICLE	IF	CITATIONS
19	Power quality improvement using optimized Passive Filter for 12-pulse rectifier-chopper in LCI fed synchronous motor drives. , 2011, , .		6
20	Power quality control of SEIG based isolated pico hydro power plant feeding non-linear load. , 2014, , .		6
21	Harmonic mitigation in voltage source converters based HVDC system using 12-pulse AC-DC converters. , 2014, , .		6
22	A power factor corrected PMBLDCM drive for air-conditioner using bridge converter. , 2010, , .		5
23	PFC buck-boost converter based voltage controlled adjustable speed PMBLDCM drive for air-conditioning. European Transactions on Electrical Power, 2011, 21, 424-438.	1.0	5
24	A control scheme for position sensorless operation of PMBLDC motor from standstill to rated speed. , 2014, , .		5
25	Power Quality Improvement of PMBLDCM Driven Air-Conditioner Using a Single-Stage PFC Boost Bridge Converter. , 2009, , .		4
26	A Voltage Controlled PFC Cuk Converter Based PMBLDCM Drive for Air-Conditioners. , 2010, , .		4
27	Passive filter design for a 12-pulse converter fed LCI-synchronous motor drive. , 2010, , .		4
28	An adjustable speed PMBLDCM drive for air conditioner using PFC Zeta converter. International Journal of Power Electronics, 2011, 3, 171.	0.1	4
29	A Reduced Switch Count Symmetric T-type Multilevel Inverter with Single and Multiple Switch Open Circuit Fault Tolerant Capabilities. IETE Journal of Research, 2023, 69, 8444-8466.	1.8	4
30	PFC buck converter fed PMBLDCM drive for low power applications. , 2012, , .		3
31	Performance evaluation of isolated 3-phase self-excited induction generator for remote mountainous region of Himalayas. , 2014, , .		3
32	Designing of electronic load controller for 3- $\phi$ SEIG used in constant power prime-mover driven Pico/Micro hydro power generation system. , 2016, , .		3
33	Position Sensorless Control for PMBLDC Motor Drive Using Digital Signal Processor. Journal of Circuits, Systems and Computers, 2016, 25, 1650077.	1.0	3
34	Impact of Harmonics on Power Transformer Losses and Capacity Using Open DSS. International Journal of Emerging Electric Power Systems, 2019, 20, .	0.6	3
35	A New BEMF Technique for the Sensorless Control of PMBLDC Motor Drive. , 2021, , .		3
36	Reduced Sensor PMBLDC Motor Drive with Power Factor Correction and Speed Control. , 2020, , .		3

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37	Coordinated Control Strategy for Hybrid off-Grid System Based on Variable Speed Diesel Generator. IEEE Transactions on Industry Applications, 2022, 58, 4411-4423.	3.3	3
38	Particle swarm optimisation for power quality improvement of a 12-pulse rectifier-chopper fed LCI-synchronous motor drive. International Journal of Intelligent Systems Technologies and Applications, 2012, 11, 267.	0.2	2
39	Complete position sensorless control of PMBLDC motor for variable speed applications. , 2016, , .		2
40	Hardware Implementation of Composite Control Strategy for Wind-PV-Battery Hybrid Off-Grid Power Generation System. Clean Technologies, 2021, 3, 821-843.	1.9	2
41	Energy management scheme for irrigation pump load. , 2012, , .		1
42	Improved power quality flyback converter fed PMBLDCM drive. , 2012, , .		1
43	Virtual experimentation for enhancing conceptual understanding and innovation in electrical engineering. , 2014, , .		1
44	Power quality improvement of a position sensorless controlled PMBLDCM drive using boost converter. , 2014, , .		1
45	Single current sensor based control scheme for position sensor-less starting and running of PMBLDC motor. , 2015, , .		1
46	Single current sensor PMBLDC motor drive with power quality controller for variable speed variable torque applications. , 2015, , .		1
47	Harmonic mitigation using multipulse voltage source converter-based HVDC system. , 2015, , .		1
48	Experimental Evaluation of Performance of Constant Power Prime-Mover Driven Isolated 3- $\phi$ SEIG for Pico-Hydro Power Generation System in Remote Mountainous Region of Himalayas. MATEC Web of Conferences, 2016, 57, 01025.	0.1	1
49	Power quality improvement in a vector controlled PMSM drive using non-isolated PFC zeta converter. , 2016, , .		1
50	Power quality control of voltage source converter-based HVDC system using particle swarm optimisation. International Journal of Power and Energy Conversion, 2017, 8, 435.	0.2	1
51	SPWM Control Scheme for CHB-MLI with Minimal Voltage THD. Springer Proceedings in Energy, 2021, , 429-442.	0.2	1
52	Single Stage Multiple Source Bidirectional Converter for Electric Vehicles. Lecture Notes in Electrical Engineering, 2022, , 567-574.	0.3	1
53	A PFC-based PMBLDCM drive for air-conditioner using half-bridge buck converter. International Journal of Energy Technology and Policy, 2012, 8, 255.	0.1	0
54	Improved power quality PMBLDC motor drive for constant speed variable torque load using non-isolated SEPIC converter. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
55	Power quality improved 18-pulse VSC based BTB HVDC system with reduced current sensors. , 2016, , .		0
56	Reduced current sensor 12-pulse VSC based HVDC system with power quality control. , 2016, , .		0
57	Simulated performance evaluation of SEIG with electronic load controller used in renewable energy conversion system. , 2016, , .		0
58	Modified PSO Algorithm for Controller Optimization of a PFC Ąuk Converter-Fed PMBLDCM Drive. Advances in Intelligent Systems and Computing, 2016, , 977-987.	0.5	0
59	Optimized Controller Design for a 12-Pulse Voltage Source Converter Based HVDC System. Journal of the Institution of Engineers (India): Series B, 2017, 98, 567-577.	1.3	0
60	Controller Optimization Algorithm for a 12-pulse Voltage Source Converter based HVDC System. Journal of Electrical Engineering and Technology, 2017, 12, 643-653.	1.2	0
61	DSP Controlled Twelve-pulse 24 kA Thyristorised AC-DC Converter for Nuclear Application. , 2020, , .		0
62	Use of Induction Generators in Small Hydro Power Generation System Feeding Isolated Load in Remote Mountainous Regions of Himalayas. , 0, , .		0