

Jayaprakash P

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.

38

papers

559

citations

11

h-index

23

g-index

44

ext. papers

741

ext. citations

4.4

avg, IF

3.94

L-index

#	Paper	IF	Citations
38	Grid integrated solar energy transfer system with a two-layer complex coefficient filter-based control. <i>IET Power Electronics</i> , 2022 , 15, 168-185	2.2	1
37	Single-Layer Decoupled Multiple-Order Generalized Integral Control for Single-Stage Solar Energy Grid Integrator With Maximum Power Extraction. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 100-109	11.9	3
36	Realization of Cascaded H-Bridge Multilevel Inverter Based Grid Integrated Solar Energy System With Band Stop Generalized Integral Control. <i>IEEE Transactions on Industry Applications</i> , 2021 , 57, 764-773	4.3	5
35	Trinary Hybrid Cascaded H-Bridge Multilevel Inverter-Based Grid-Connected Solar Power Transfer System Supporting Critical Load. <i>IEEE Systems Journal</i> , 2021 , 15, 4116-4125	4.3	2
34	A Cascaded Generalized Integral Control for Multiobjective Grid-Connected Solar Energy Transfer System. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 12385-12395	8.9	2
33	Multi-Objective Solar Power Conversion System With MGI Control for Grid Integration at Adverse Operating Conditions. <i>IEEE Transactions on Sustainable Energy</i> , 2020 , 11, 2901-2910	8.2	5
32	Binary Hybrid Multilevel Inverter-Based Grid Integrated Solar Energy Conversion System With Damped SOGI Control. <i>IEEE Access</i> , 2020 , 8, 37214-37228	3.5	15
31	DSOGI with proportional resonance controlled CHB inverter based two-stage exalted photovoltaic integration in power system with power quality enhancement. <i>IET Renewable Power Generation</i> , 2020 , 14, 3126-3137	2.9	2
30	Maximum Power Tracking and Power Sharing in Grid Connected WECS Using Modified PFC Rectifier and PR Controlled Inverter. <i>Electric Power Components and Systems</i> , 2020 , 48, 1584-1597	1	1
29	Frame-Angle Controlled Wavelet Modulated Inverter and Self-Recurrent Wavelet Neural Network-Based Maximum Power Point Tracking for Wind Energy Conversion System. <i>IEEE Access</i> , 2020 , 8, 171373-171386	3.5	3
28	Cascaded H-Bridge Multilevel Inverter Based Grid Integration of Solar Power with PQ Improvement 2018 ,		3
27	Comprehensive Study of DSTATCOM Configurations. <i>IEEE Transactions on Industrial Informatics</i> , 2014 , 10, 854-870	11.9	105
26	Isolated wind energy conversion system for three-phase four wire loads employing Adaline based voltage-frequency controller 2012 ,		2
25	Icos algorithm based control of zig-zag transformer connected three phase four wire DSTATCOM 2012 ,		2
24	Reduction in rating of voltage source converter of DSTATCOM using a zig-zag transformer 2012 ,		3
23	DRISHTI gesture controlled text to braille converter 2012 ,		1
22	A robust control algorithm for self supported dynamic voltage restorer (DVR) 2011 ,		5

21	Implementation of Neural-Network-Controlled Three-Leg VSC and a Transformer as Three-Phase Four-Wire DSTATCOM. <i>IEEE Transactions on Industry Applications</i> , 2011 , 47, 1892-1901	4.3	62
20	Digital Signal Processor Implementation of Isolated Reduced-rating Voltage Source Converter Using a Zig-zag Transformer for Three-phase Four-wire Distribution Static Compensator. <i>Electric Power Components and Systems</i> , 2011 , 39, 15-30	1	5
19	New control approach for capacitor supported DSTATCOM in three-phase four wire distribution system under non-ideal supply voltage conditions based on synchronous reference frame theory. <i>International Journal of Electrical Power and Energy Systems</i> , 2011 , 33, 1109-1117	5.1	72
18	Magnetics for neutral current compensation in three-phase four-wire distribution system 2010 ,		16
17	Neural network theory based voltage and frequency controller for standalone wind energy conversion system 2010 ,		2
16	Reduced Rating VSC With a Zig-Zag Transformer for Current Compensation in a Three-Phase Four-Wire Distribution System. <i>IEEE Transactions on Power Delivery</i> , 2009 , 24, 249-259	4.3	57
15	Three-Leg Voltage Source Converter Integrated with T-connected Transformer as Three-phase Four-wire Distribution Static Compensator for Power Quality Improvement. <i>Electric Power Components and Systems</i> , 2009 , 37, 817-831	1	12
14	Voltage- frequency controller for stand alone WECS employing permanent magnet synchronous generator 2009 ,		1
13	Three single-phase voltage source converter based three-phase four wire DSTATCOM 2009 ,		1
12	Implementation of Neural Network Controlled Three-Leg VSC and a Transformer as Three-Phase Four-Wire DSTATCOM 2009 ,		1
11	Implementation of an Isolated Three-Leg VSC with Star/Hexagon Transformer Based Three-Phase Four-Wire DSTATCOM 2009 ,		3
10	DSP based implementation of a three-phase four-wire DSTATCOM for voltage regulation and power quality improvement 2009 ,		5
9	Star-hexagon transformer and non-isolated three-leg VSC based three-phase four-wire DSTATCOM. <i>International Journal of Power and Energy Conversion</i> , 2009 , 1, 198	0.4	1
8	A T-Connected Transformer and Three-leg VSC Based DSTATCOM for Power Quality Improvement. <i>IEEE Transactions on Power Electronics</i> , 2008 , 23, 2710-2718	7.2	91
7	Control of Reduced Rating Dynamic Voltage Restorer with Battery Energy Storage System 2008 ,		14
6	Indirect control of capacitor supported DVR for power quality improvement in distribution system 2008 ,		4
5	Isolated H-bridge VSC Based 3-phase 4-wire DSTATCOM for power quality improvement 2008 ,		8
4	Stand alone wind power generating system employing permanent magnet synchronous generator 2008 ,		9

3	Three-Phase 4-Wire DSTATCOM Based on H-Bridge VSC with a Star/Hexagon Transformer for Power Quality Improvement 2008 ,	15
2	DSTATCOM with reduced switches using two-leg VSC and a zig-zag transformer for power quality improvement in three-phase four-wire distribution system 2008 ,	5
1	Integrated three-leg VSC with a zig-zag transformer based three-phase four-wire DSTATCOM for power quality improvement 2008 ,	12