

Jayaprakash P

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Comprehensive Study of DSTATCOM Configurations. IEEE Transactions on Industrial Informatics, 2014, 10, 854-870.	7.2	167
2	A T-Connected Transformer and Three-leg VSC Based DSTATCOM for Power Quality Improvement. IEEE Transactions on Power Electronics, 2008, 23, 2710-2718.	5.4	129
3	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. International Journal of Electrical Power and Energy Systems, 2011, 33, 1109-1117.	3.3	89
4	Implementation of Neural-Network-Controlled Three-Leg VSC and a Transformer as Three-Phase Four-Wire DSTATCOM. IEEE Transactions on Industry Applications, 2011, 47, 1892-1901.	3.3	88
5	Reduced Rating VSC With a Zig-Zag Transformer for Current Compensation in a Three-Phase Four-Wire Distribution System. IEEE Transactions on Power Delivery, 2009, 24, 249-259.	2.9	78
6	Binary Hybrid Multilevel Inverter-Based Grid Integrated Solar Energy Conversion System With Damped SOGI Control. IEEE Access, 2020, 8, 37214-37228.	2.6	28
7	Control of Reduced Rating Dynamic Voltage Restorer with Battery Energy Storage System. , 2008, , .		24
8	Three-Phase 4-Wire DSTATCOM Based on H-Bridge VSC with a Star/Hexagon Transformer for Power Quality Improvement. , 2008, , .		22
9	Magnetics for neutral current compensation in three-phase four-wire distribution system. , 2010, , .		20
10	Realization of Cascaded H-Bridge Multilevel Inverter Based Grid Integrated Solar Energy System With Band Stop Generalized Integral Control. IEEE Transactions on Industry Applications, 2021, 57, 764-773.	3.3	20
11	Integrated three-leg VSC with a zig-zag transformer based three-phase four-wire DSTATCOM for power quality improvement. , 2008, , .		17
12	Three-Leg Voltage Source Converter Integrated with T-connected Transformer as Three-phase Four-wire Distribution Static Compensator for Power Quality Improvement. Electric Power Components and Systems, 2009, 37, 817-831.	1.0	17
13	Stand alone wind power generating system employing permanent magnet synchronous generator. , 2008, , .		12
14	Multi-Objective Solar Power Conversion System With MGI Control for Grid Integration at Adverse Operating Conditions. IEEE Transactions on Sustainable Energy, 2020, 11, 2901-2910.	5.9	12
15	Isolated H-bridge VSC Based 3-phase 4-wire DSTATCOM for power quality improvement. , 2008, , .		10
16	A Cascaded Generalized Integral Control for Multiobjective Grid-Connected Solar Energy Transfer System. IEEE Transactions on Industrial Electronics, 2021, 68, 12385-12395.	5.2	10
17	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, , .		8
18	DSP based implementation of a three-phase four-wire DSTATCOM for voltage regulation and power quality improvement. , 2009, , .		8

#	ARTICLE	IF	CITATIONS
19	A robust control algorithm for self supported dynamic voltage restorer (DVR). , 2011, , .		8
20	Single-Layer Decoupled Multiple-Order Generalized Integral Control for Single-Stage Solar Energy Grid Integrator With Maximum Power Extraction. IEEE Transactions on Industrial Informatics, 2021, 17, 100-109.	7.2	8
21	Trinary Hybrid Cascaded H-Bridge Multilevel Inverter-Based Grid-Connected Solar Power Transfer System Supporting Critical Load. IEEE Systems Journal, 2021, 15, 4116-4125.	2.9	8
22	Indirect control of capacitor supported DVR for power quality improvement in distribution system. , 2008, , .		7
23	Three single-phase voltage source converter based three-phase four wire DSTATCOM. , 2009, , .		5
24	Implementation of an Isolated Three-Leg VSC with Star/Hexagon Transformer Based Three-Phase Four-Wire DSTATCOM. , 2009, , .		5
25	Digital Signal Processor Implementation of Isolated Reduced-rating Voltage Source Converter Using a Zig-zag Transformer for Three-phase Four-wire Distribution Static Compensator. Electric Power Components and Systems, 2011, 39, 15-30.	1.0	5
26	Reduction in rating of voltage source converter of DSTATCOM using a zig-zag transformer. , 2012, , .		5
27	Neural network theory based voltage and frequency controller for standalone wind energy conversion system. , 2010, , .		4
28	Isolated wind energy conversion system for three-phase four wire loads employing Adaline based voltage-frequency controller. , 2012, , .		4
29	IcosΦ algorithm based control of zig-zag transformer connected three phase four wire DSTATCOM. , 2012, , .		4
30	DRISHTI A gesture controlled text to braille converter. , 2012, , .		4
31	A New Topology of Multilevel Inverter with Reduced Number of Switches and Increased Efficiency. , 2018, , .		4
32	Cascaded H-Bridge Multilevel Inverter Based Grid Integration of Solar Power with PQ Improvement. , 2018, , .		4
33	Frame-Angle Controlled Wavelet Modulated Inverter and Self-Recurrent Wavelet Neural Network-Based Maximum Power Point Tracking for Wind Energy Conversion System. IEEE Access, 2020, 8, 171373-171386.	2.6	4
34	Current mode control of Dynamic Voltage restorer for power quality improvement in distribution system. , 2008, , .		3
35	Voltage- frequency controller for stand alone WECS employing permanent magnet synchronous generator. , 2009, , .		3
36	Power Management of a Grid Interactive PV - Fuel Cell Hybrid System with Power Dispatch to the Grid Using Modified LMS Control. , 2020, , .		3

#	ARTICLE	IF	CITATIONS
37	Control of a Pumped Hydro Storage Power Plant Supported Solar PV Generation System for Grid-Side Energy Management. , 2021, , .		3
38	Maximum Power Tracking and Power Sharing in Grid Connected WECS Using Modified PFC Rectifier and PR Controlled Inverter. Electric Power Components and Systems, 2020, 48, 1584-1597.	1.0	3
39	Implementation of Neural Network Controlled Three-Leg VSC and a Transformer as Three-Phase Four-Wire DSTATCOM. , 2009, , .		2
40	Star-hexagon transformer and non-isolated three-leg VSC based three-phase four-wire DSTATCOM. International Journal of Power and Energy Conversion, 2009, 1, 198.	0.2	2
41	DSOGI with proportional resonance controlled CHB inverter based two-stage exalted photovoltaic integration in power system with power quality enhancement. IET Renewable Power Generation, 2020, 14, 3126-3137.	1.7	2
42	Grid integrated solar energy transfer system with a two-layer complex coefficient filter-based control. IET Power Electronics, 2022, 15, 168-185.	1.5	1
43	SPIDER: A GSM/GPRS based interconnected Phasor Measurement Unit (PMU) system for prevention of communication failures. , 2014, , .		0
44	A Single-Stage Dual-Source Seven-Level Inverter for Grid Integrated Photovoltaic Energy Transfer System with MPPT. , 2020, , .		0