

Pramod Agarwal

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.

73 papers	646 citations	13 h-index	23 g-index
97 ext. papers	859 ext. citations	3.4 avg, IF	4.36 L-index

#	Paper	IF	Citations
73	Reduced Switching State Five-Level Rectifier. <i>IEEE Transactions on Industry Applications</i> , 2021 , 1-1	4.3	0
72	Performance Evaluation of 18-Level Inverter Fed Open-end Winding IM Drive. <i>IETE Journal of Research</i> , 2021 , 67, 253-262	0.9	
71	A new EABC for DC-link capacitor voltage equalisation of MPC-based 5-L HPFC. <i>International Journal of Power Electronics</i> , 2020 , 11, 519	0.2	
70	Reduced Switching State Five-Level High Power Factor Converter 2020 ,		1
69	Reduced switching state multilevel improved power factor converter for level-3 electric vehicle applications. <i>IET Power Electronics</i> , 2020 , 13, 693-702	2.2	1
68	Quartile Based Differential Protection of Power Transformer. <i>IEEE Transactions on Power Delivery</i> , 2020 , 35, 2447-2458	4.3	7
67	Effective power management scheme for PV-Battery-DG integrated standalone DC microgrid. <i>IET Electric Power Applications</i> , 2020 , 14, 2322-2330	1.8	3
66	A New Three-Phase Multipoint Clamped 5L-HPFC With Reduced PSD Count and Switch Stress. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 2532-2543	8.9	1
65	Active input current shaping with new MPC structured TP-TL-5L converter with reduced PSD count for renewable energy conversion. <i>International Journal of Electrical Power and Energy Systems</i> , 2019 , 110, 386-399	5.1	1
64	Response to Discussion on Nearest and Non-Nearest Three Vector Modulations of NPCI Using Two-Level Space Vector Diagram A Novel Approach <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 5495-5496	4.3	
63	Rate of Rise of Differential Current Based Protection of Power Transformer 2019 ,		1
62	New MPC-5LUC with reduced PSD count for MVHP direct-drive WECS with PMSG: a cost-effective solution. <i>IET Electric Power Applications</i> , 2019 , 13, 1474-1487	1.8	0
61	Nearest and Non-Nearest Three Vector Modulations of NPCI Using Two-Level Space Vector Diagram A Novel Approach. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 2400-2415	4.3	23
60	Autonomous Power Control and Management Between Standalone DC Microgrids. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 2941-2950	11.9	25
59	Peak Energy Management Using Renewable Integrated DC Microgrid. <i>IEEE Transactions on Smart Grid</i> , 2018 , 9, 4906-4917	10.7	33
58	A modified T-type single phase five-level inverter with reduced switch voltage stress 2018 ,		3
57	A novel configuration for PV-battery-DG integrated standalone DC microgrid 2018 ,		2

56	Virtual Vector Modulated Hybrid 2/3-Level Z-source VSI for PV Applications 2018 ,		2
55	Simplified Predictive Control of Unified Power Quality Conditioner 2018 ,		4
54	Effective control and energy management of isolated DC microgrid 2017 ,		3
53	Hybrid modulation strategy for eliminating low-frequency NP voltage oscillations in NPC using redistribution of NTV duty ratios. <i>IET Power Electronics</i> , 2017 , 10, 1504-1517	2.2	6
52	Space vector modulation for three-level NPC inverter using two-level space vector diagram 2016 ,		1
51	Performance analysis of Open UPQC using three level diode clamped multilevel inverter 2016 ,		1
50	MTPA based Sensorless Control of PMSM using position and speed estimation by Back-EMF method 2016 ,		13
49	Comparative performance analysis of UPQC using two level and three level inverter for three phase three wire system 2016 ,		2
48	A Hybrid Nine-level Inverter Topology for an Open-end Stator Winding Induction Motor. <i>Electric Power Components and Systems</i> , 2016 , 44, 1801-1814	1	4
47	A Nine-Level Inverter with Reduced Number of Components for Open-End Winding Induction Motor. <i>Arabian Journal for Science and Engineering</i> , 2015 , 40, 883-892		1
46	Comparative performance analysis of UPQC and Open UPQC 2015 ,		1
45	Comparative analysis of MTPA and ZDAC control in PMSM drive 2015 ,		2
44	Design and Implementation of Three-phase Resonant DC-DC Power Converter for Low-voltage High-current Applications. <i>Electric Power Components and Systems</i> , 2014 , 42, 1249-1265	1	3
43	Comparison of SPWM multilevel inverter fed PMSM drive with two level inverter fed drive 2014 ,		1
42	Implementation of High-Voltage Multilevel Harmonic Filter Based on Rotated Carrier Modulation and Artificial Intelligence-Based Controllers. <i>Arabian Journal for Science and Engineering</i> , 2014 , 39, 7127-7143		5
41	Neural-network-based space-vector pulse-width modulation for capacitor voltage balancing of three-phase three-level improved power quality converter. <i>IET Power Electronics</i> , 2014 , 7, 973-983	2.2	25
40	Innovative Switching Sequences for Sensorless Capacitor Voltage Balancing of Three-Phase NPC Rectifier. <i>International Journal of Emerging Electric Power Systems</i> , 2014 , 15, 1-11	1.4	
39	Performance evaluation of carrier rotation strategy in level-shifted pulse-width modulation technique. <i>IET Power Electronics</i> , 2014 , 7, 667-680	2.2	38

38	Compensation of voltage flicker using Unified Power Quality Conditioner (UPQC) 2014 ,		4
37	A five level diode clamped rectifier with novel capacitor voltage balancing scheme 2014 ,		6
36	Multiphase High-Frequency Isolated DCDC Converter for Industrial Applications. <i>International Journal of Emerging Electric Power Systems</i> , 2014 , 15, 35-43	1.4	1
35	Carrier-Based Neutral Point Potential Regulator With Reduced Switching Losses for Three-Level Diode-Clamped Inverter. <i>IEEE Transactions on Industrial Electronics</i> , 2014 , 61, 613-624	8.9	60
34	Performance enhancement of a reduced rating hybrid D-STATCOM for three-phase, four-wire system. <i>Electric Power Systems Research</i> , 2013 , 97, 158-171	3.5	12
33	A T-connected transformer based hybrid D-STATCOM for three-phase, four-wire systems. <i>International Journal of Electrical Power and Energy Systems</i> , 2013 , 44, 964-970	5.1	22
32	ASIC and FPGA based DPWM architectures for single-phase and single-output DC-DC converter: a review. <i>Open Engineering</i> , 2013 , 3,	1.7	3
31	Neutral current compensation in three-phase, four-wire systems: A review. <i>Electric Power Systems Research</i> , 2012 , 86, 170-180	3.5	68
30	Simulation of shunt active power filter using instantaneous power theory 2012 ,		5
29	MRAS based estimation of speed in sensorless PMSM drive 2012 ,		12
28	A Three Phase five level cascaded H-Bridge rectifier with zero current injection scheme 2012 ,		3
27	Multilevel inverter based active power filter using space vector modulation 2012 ,		2
26	Carrier-Based Common Mode Voltage Control Techniques in Three-Level Diode-Clamped Inverter. <i>Advances in Power Electronics</i> , 2012 , 2012, 1-12		5
25	Auto-tuned, discrete PID controller for DC-DC converter for fast transient response 2011 ,		6
24	Performance investigation of Multipulse Converter for Low Voltage High Current applications 2011 ,		2
23	Indirect voltage control in distribution system using cascade multilevel inverter based STATCOM 2011 ,		2
22	Novel simulation approach to analyses the performance of in-wheel SRM for an Electrical Vehicle 2011 ,		3
21	Optimized Switching Scheme of a Cascade Multi-level Inverter. <i>Electric Power Components and Systems</i> , 2010 , 38, 445-464	1	13

20	Performance investigation of multilevel inverter based active power filter in distorted high voltage supply system 2010 ,		2
19	A carrier-transposed modulation technique for multilevel inverters 2010 ,		3
18	Design, modeling and simulation of DC-DC converter 2010 ,		6
17	Comparison of control strategies for multilevel inverter based active power filter used in high voltage systems 2010 ,		4
16	Design, modeling and simulation of DC-DC converter for low voltage applications 2010 ,		2
15	Implementation of a Neural-network-based Space-vector Pulse-width Modulation for a Three-phase Neutral-point Clamped High-power Factor Converter. <i>Electric Power Components and Systems</i> , 2009 , 37, 210-233	1	13
14	Optimal energy control of induction motor by hybridization of loss model controller based on Particle Swarm Optimization and search controller 2009 ,		8
13	Three-phase, power quality improvement ac/dc converters. <i>Electric Power Systems Research</i> , 2008 , 78, 276-289	3.5	26
12	Programmable Logic Devices for Motion ControlA Review. <i>IEEE Transactions on Industrial Electronics</i> , 2007 , 54, 559-566	8.9	41
11	Control of Current-Source Active Power Filter using Unit Vector Template in Three Phase Four Wire Unbalnced System 2007 ,		1
10	Unified Constant frequency Integration Control of Universal Power Quality Conditioner 2006 ,		2
9	A Comparative Evaluation of Three-Phase High Power Factor Boost Converters for Power Quality Improvement 2006 ,		1
8	An Improved Performance Three-Phase Neutral-Point Clamped Rectifier with Simplified Control Scheme 2006 ,		3
7	A Simplified Space-Vector Modulated Control Scheme for CSI fed IM drive 2006 ,		3
6	Performance Analysis of a Three-Phase Squirrel-Cage Induction Motor under Unbalanced Sinusoidal and Balanced Non-Sinusoidal Supply Voltages 2006 ,		3
5	Simulation and Experimental Investigations on a Shunt Active Power Filter for Harmonics and Reactive Power Compensation. <i>IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)</i> , 2003 , 20, 481-492	1.5	13
4	Design Simulation and Experimental Investigations, on a Shunt Active Power Filter for Harmonics, and Reactive Power Compensation. <i>Electric Power Components and Systems</i> , 2003 , 31, 671-692	1	64
3	Synthesis and Performance of Digitally Controlled Current Source. <i>Electric Power Components and Systems</i> , 1992 , 20, 149-160		2

2	PARAMETER PLANE SYNTHESIS OF A DUAL CONVERTER FED VARIABLE SPEED D.C. DRIVE SYSTEM. <i>Electric Power Components and Systems</i> , 1987 , 12, 57-68	4
1	A survey of harmonics: Indian scenario	1