Pramod Agarwal

List of Publications by Citations

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	Neutral current compensation in three-phase, four-wire systems: A review. *Electric Power Systems Research*, **2012**, 86, 170-180	3.5	68
72	Design Simulation and Experimental Investigations, on a Shunt Active Power Filter for Harmonics, and Reactive Power Compensation. *Electric Power Components and Systems*, **2003**, 31, 671-692	1	64
71	Carrier-Based Neutral Point Potential Regulator With Reduced Switching Losses for Three-Level Diode-Clamped Inverter. *IEEE Transactions on Industrial Electronics*, **2014**, 61, 613-624	8.9	60
70	Programmable Logic Devices for Motion Control A Review. *IEEE Transactions on Industrial Electronics*, **2007**, 54, 559-566	8.9	41
69	Performance evaluation of carrier rotation strategy in level-shifted pulse-width modulation technique. *IET Power Electronics*, **2014**, 7, 667-680	2.2	38
68	Peak Energy Management Using Renewable Integrated DC Microgrid. *IEEE Transactions on Smart Grid*, **2018**, 9, 4906-4917	10.7	33
67	Three-phase, power quality improvement ac/dc converters. *Electric Power Systems Research*, **2008**, 78, 276-289	3.5	26
66	Autonomous Power Control and Management Between Standalone DC Microgrids. *IEEE Transactions on Industrial Informatics*, **2018**, 14, 2941-2950	11.9	25
65	Neural-network-based space-vector pulse-width modulation for capacitor voltage balancing of three-phase three-level improved power quality converter. *IET Power Electronics*, **2014**, 7, 973-983	2.2	25
64	Nearest and Non-Nearest Three Vector Modulations of NPCI Using Two-Level Space Vector Diagram A Novel Approach. *IEEE Transactions on Industry Applications*, **2018**, 54, 2400-2415	4.3	23
63	A T-connected transformer based hybrid D-STATCOM for three-phase, four-wire systems. *International Journal of Electrical Power and Energy Systems*, **2013**, 44, 964-970	5.1	22
62	Optimized Switching Scheme of a Cascade Multi-level Inverter. *Electric Power Components and Systems*, **2010**, 38, 445-464	1	13
61	Implementation of a Neural-network-based Space-vector Pulse-width Modulation for a Three-phase Neutral-point Clamped High-power Factor Converter. *Electric Power Components and Systems*, **2009** , 37, 210-233	1	13
60	Simulation and Experimental Investigations on a Shunt Active Power Filter for Harmonics and Reactive Power Compensation. *IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)*, **2003**, 20, 481-492	1.5	13
59	MTPA based Sensorless Control of PMSM using position and speed estimation by Back-EMF method **2016**,		13
58	Performance enhancement of a reduced rating hybrid D-STATCOM for three-phase, four-wire system. *Electric Power Systems Research*, **2013**, 97, 158-171	3.5	12
57	MRAS based estimation of speed in sensorless PMSM drive **2012**,		12

56	Optimal energy control of induction motor by hybridization of loss model controller based on Particle Swarm Optimization and search controller **2009**,		8
55	Quartile Based Differential Protection of Power Transformer. *IEEE Transactions on Power Delivery*, **2020**, 35, 2447-2458	4.3	7
54	Hybrid modulation strategy for eliminating low-frequency NP voltage oscillations in NPC using redistribution of NTV duty ratios. *IET Power Electronics*, **2017**, 10, 1504-1517	2.2	6
53	A five level diode clamped rectifier with novel capacitor voltage balancing scheme **2014**,		6
52	Auto-tuned, discrete PID controller for DC-DC converter for fast transient response **2011**,		6
51	Design, modeling and simulation of DC-DC converter **2010**,		6
50	Implementation of High-Voltage Multilevel Harmonic Filter Based on Rotated Carrier Modulation and Artificial Intelligence-Based Controllers. *Arabian Journal for Science and Engineering*, **2014**, 39, 7127-7143		5
49	Simulation of shunt active power filter using instantaneous power theory **2012**,		5
48	Carrier-Based Common Mode Voltage Control Techniques in Three-Level Diode-Clamped Inverter. *Advances in Power Electronics*, **2012**, 2012, 1-12		5
47	Compensation of voltage flicker using Unified Power Quality Conditioner (UPQC) **2014**,		4
46	Comparison of control strategies for multilevel inverter based active power filter used in high voltage systems **2010**,		4
45	PARAMETER PLANE SYNTHESIS OF A DUAL CONVERTER FED VARIABLE SPEED D.C. DRIVE SYSTEM. *Electric Power Components and Systems*, **1987**, 12, 57-68		4
44	A Hybrid Nine-level Inverter Topology for an Open-end Stator Winding Induction Motor. *Electric Power Components and Systems*, **2016**, 44, 1801-1814	1	4
43	Simplified Predictive Control of Unified Power Quality Conditioner **2018**,		4
42	A modified T-type single phase five-level inverter with reduced switch voltage stress **2018**,		3
41	Design and Implementation of Three-phase Resonant DC-DC Power Converter for Low-voltage High-current Applications. *Electric Power Components and Systems*, **2014**, 42, 1249-1265	1	3
40	Effective control and energy management of isolated DC microgrid **2017**,		3
39	A Three Phase five level cascaded H-Bridge rectifier with zero current injection scheme **2012**,		3

38	ASIC and FPGA based DPWM architectures for single-phase and single-output DC-DC converter: a review. *Open Engineering*, **2013**, 3,	1.7	3
37	A carrier-transposed modulation technique for multilevel inverters **2010**,		3
36	Novel simulation approach to analyses the performance of in-wheel SRM for an Electrical Vehicle **2011**,		3
35	An Improved Performance Three-Phase Neutral-Point Clamped Rectifier with Simplified Control Scheme **2006**,		3
34	A Simplified Space-Vector Modulated Control Scheme for CSI fed IM drive **2006**,		3
33	Performance Analysis of a Three-Phase Squirrel-Cage Induction Motor under Unbalanced Sinusoidal and Balanced Non-Sinusoidal Supply Voltages **2006**,		3
32	Effective power management scheme for PV-Battery-DG integrated standalone DC microgrid. *IET Electric Power Applications*, **2020**, 14, 2322-2330	1.8	3
31	A novel configuration for PV-battery-DG integrated standalone DC microgrid **2018**,		2
30	Comparative analysis of MTPA and ZDAC control in PMSM drive **2015**,		2
29	Multilevel inverter based active power filter using space vector modulation **2012**,		2
28	Performance investigation of Multipulse Converter for Low Voltage High Current applications **2011** ,		2
27	Indirect voltage control in distribution system using cascade multilevel inverter based STATCOM **2011**,		2
26	Performance investigation of multilevel inverter based active power filter in distorted high voltage supply system **2010**,		2
25	Design, modeling and simulation of DC-DC converter for low voltage applications **2010**,		2
24	Unified Constant frequency Integration Control of Universal Power Quality Conditioner **2006**,		2
23	Synthesis and Performance of Digitally Controlled Current Source. *Electric Power Components and Systems*, **1992**, 20, 149-160		2
22	Comparative performance analysis of UPQC using two level and three level inverter for three phase three wire system **2016**,		2
21	Virtual Vector Modulated Hybrid 2/3-Level Z-source VSI for PV Applications **2018**,		2

20	Active input current shaping with new MPC structured TP-TL-5L converter with reduced PSD count for renewable energy conversion. *International Journal of Electrical Power and Energy Systems*, **2019**, 110, 386-399	5.1	1
19	A Nine-Level Inverter with Reduced Number of Components for Open-End Winding Induction Motor. *Arabian Journal for Science and Engineering*, **2015**, 40, 883-892		1
18	Reduced Switching State Five-Level High Power Factor Converter **2020**,		1
17	Reduced switching state multilevel improved power factor converter for level-3 electric vehicle applications. *IET Power Electronics*, **2020**, 13, 693-702	2.2	1
16	Comparison of SPWM multilevel inverter fed PMSM drive with two level inverter fed drive **2014**,		1
15	Comparative performance analysis of UPQC and Open UPQC **2015**,		1
14	Multiphase High-Frequency Isolated DC□DC Converter for Industrial Applications. *International Journal of Emerging Electric Power Systems*, **2014**, 15, 35-43	1.4	1
13	Control of Current-Source Active Power Filter using Unit Vector Template in Three Phase Four Wire Unbalnced System **2007**,		1
12	A Comparative Evaluation of Three-Phase High Power Factor Boost Converters for Power Quality Improvement **2006**,		1
11	A survey of harmonics: Indian scenario		1
10	Space vector modulation for three-level NPC inverter using two-level space vector diagram **2016**,		1
9	Performance analysis of Open UPQC using three level diode clamped multilevel inverter **2016**,		1
8	Rate of Rise of Differential Current Based Protection of Power Transformer **2019**,		1
7	A New Three-Phase Multipoint Clamped 5L-HPFC With Reduced PSD Count and Switch Stress. *IEEE Transactions on Industrial Electronics*, **2020**, 67, 2532-2543	8.9	1
6	Reduced Switching State Five-Level Rectifier. *IEEE Transactions on Industry Applications*, **2021**, 1-1	4.3	0
5	New MPC-5LUC with reduced PSD count for MVHP direct-drive WECS with PMSG: a cost-effective solution. *IET Electric Power Applications*, **2019**, 13, 1474-1487	1.8	0
4	A new EABC for DC-link capacitor voltage equalisation of MPC-based 5-L HPFC. *International Journal of Power Electronics*, **2020**, 11, 519	0.2	
3	Response to Discussion on □Nearest and Non-Nearest Three Vector Modulations of NPCI Using Two-Level Space Vector Diagram□A Novel Approach□/*IEEE Transactions on Industry Applications*, **2019**, 55, 5495-5496	4.3	

2	Innovative Switching Sequences for Sensorless Capacitor Voltage Balancing of Three-Phase NPC Rectifier. *International Journal of Emerging Electric Power Systems*, **2014**, 15, 1-11	1.4
1	Performance Evaluation of 18-Level Inverter Fed Open-end Winding IM Drive. *IETE Journal of Research*, **2021**, 67, 253-262	0.9