

Vivek 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.

162
papers

4,430
citations

31
h-index

63
g-index

174
ext. papers

5,841
ext. citations

5.4
avg, IF

6.51
L-index

#	Paper	IF	Citations
162	A New Three-Phase Inverter Topology for Reducing the dv/dt and peak-to-peak Value of Common Mode Voltage. <i>IEEE Transactions on Industrial Electronics</i> , 2022 , 1-1	8.9	0
161	Dual Active Bridge based Reduced Stage Multi-Port DC/AC Converter for PV-Battery Systems. <i>IEEE Transactions on Industry Applications</i> , 2021 , 1-1	4.3	2
160	Enhancement of Line-to-line Voltage Support during Asymmetrical Microgrid Faults using a Four-leg Three-level Inverter. <i>IEEE Transactions on Smart Grid</i> , 2021 , 1-1	10.7	0
159	Novel Switched Capacitor Boost Inverter Configuration for Three-Phase Induction Motor Driven Home Appliances. <i>IEEE Transactions on Industry Applications</i> , 2021 , 57, 1450-1458	4.3	6
158	A Transformerless 1- \square 5-Level Half-Bridge PV Inverter Configuration Based on Switched-Capacitor Technique. <i>IEEE Transactions on Industry Applications</i> , 2021 , 57, 1619-1628	4.3	5
157	An Unconstrained Voltage Support Scheme for Distributed Generation Connected to Resistive-Inductive Grid Under Unbalanced Conditions. <i>IEEE Transactions on Industry Applications</i> , 2021 , 57, 4253-4262	4.3	4
156	Improved Set-Point Tracking and Disturbance Rejection of DCDC Converters Using Voltage-Mode Digital Control. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 9, 3276-3286	5.6	1
155	An Active Damping Technique for PI and Predictive Controllers of an Interlinking Converter in an Islanded Hybrid Microgrid. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 5521-5529	7.2	6
154	A Voltage-Zone Based Power Management Scheme With Seamless Power Transfer Between PV-Battery for OFF-Grid Stand-Alone System. <i>IEEE Transactions on Industry Applications</i> , 2021 , 57, 754-763	4.3	6
153	. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 9, 510-519	5.6	3
152	A Novel Per Unit (P.U.) Integer Format Applied to the Control of a Grid-Tied Solar PV Inverter. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	2
151	A Novel Single-Phase Switched-Capacitor Based 5-level Inverter Topology Featuring Voltage Boosting Capability and Common Mode Voltage Reduction 2021 ,		1
150	A Modified 2-level Three-Phase Inverter Topology with Common Mode Voltage Performance of a 3-level Inverter 2021 ,		1
149	Novel Three-Phase H10 Inverter Topology with Zero Common Mode Voltage for Three-Phase Induction Motor Drive Applications. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	4
148	Characterization of ZVS Behavior and Optimal Operating Point for Three-Port Current Fed Dual Active Bridge Interlinking Converter 2021 ,		2
147	A Novel Control Strategy to Achieve SOC Balancing for Batteries in a DC Microgrid Without Droop Control. <i>IEEE Transactions on Industry Applications</i> , 2021 , 57, 4196-4206	4.3	2
146	Hybrid Energy Storage System Based on a Novel Reduced Rating Multi-Input Converter. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 12133-12142	7.2	8

145	An Advanced Voltage Support Scheme Considering the Impact of Zero-Sequence Voltage Under Microgrid Faults Using Model Predictive Control. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 8957-8968	8.9	7
144	New self-balancing 7-level inverter with coupled inductors for 1- \bar{r} grid-connected renewable energy systems with voltage boosting capability. <i>IET Power Electronics</i> , 2020 , 13, 899-908	2.2	1
143	Current Fed Dual Active Bridge based Multi-Port DC/AC Converter for Standalone Solar PV fed Systems with Battery Backup 2020 ,		2
142	An Improved Reduced Complexity Model Predictive Current Controller for Grid-Connected Four-Leg Multilevel Inverter. <i>IEEE Transactions on Industry Applications</i> , 2020 , 56, 498-506	4.3	9
141	Model Predictive Control for Flexible Reduction of Active Power Oscillation in Grid-Tied Multilevel Inverters Under Unbalanced and Distorted Microgrid Conditions. <i>IEEE Transactions on Industry Applications</i> , 2020 , 56, 1107-1115	4.3	14
140	Analysis of Terminal Voltage in Single-Phase Extended Three-Phase Transformerless PV Inverter Topologies. <i>IEEE Journal of Photovoltaics</i> , 2020 , 10, 226-235	3.7	5
139	A New 1- \bar{r} , Seventeen Level Inverter Topology With Less Number of Power Devices for Renewable Energy Application. <i>Frontiers in Energy Research</i> , 2020 , 8,	3.8	2
138	Comprehensive power management scheme for the intelligent operation of photovoltaic-battery based hybrid microgrid system. <i>IET Renewable Power Generation</i> , 2020 , 14, 1688-1698	2.9	10
137	Novel Four-Port DCDC Converter for Interfacing Solar PV Fuel Cell Hybrid Sources With Low-Voltage Bipolar DC Microgrids. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020 , 8, 1330-1340	5.6	32
136	A Novel Feedforward Stabilizing Technique to Damp Power Oscillations Caused by DCDC Converters Fed From a DC Bus. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020 , 8, 1528-1535	5.6	14
135	Novel Boost-SEPIC Type Interleaved DCDC Converter for Mitigation of Voltage Imbalance in a Low-Voltage Bipolar DC Microgrid. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 6494-6504	8.9	33
134	Improved Transformerless Grid-Tied PV Inverter Effectively Operating at Twice the Switching Frequency With Constant CMV and Reactive Power Capability. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020 , 8, 3477-3486	5.6	15
133	Optimal Placement of Distributed Energy Resources in a DC Microgrid with Constant Power Loads to Minimize Bus Voltage Deviations and Line Losses 2019 ,		2
132	A New Family of 1- \bar{r} Five-Level Transformerless Inverters for Solar PV Applications. <i>IEEE Transactions on Industry Applications</i> , 2019 , 1-1	4.3	11
131	Improved Modular Multilevel Converter with Output Voltage Boosting Capability for Medium Voltage DC Distribution System 2019 ,		1
130	An Unconstrained Voltage Support Scheme for Distributed Generation Connected to Resistive-Inductive Grid under Unbalanced Conditions 2019 ,		1
129	Model Predictive Control for Flexible Reduction of Active Power Oscillation in Grid-tied Multilevel Inverters under Unbalanced and Distorted Microgrid Conditions 2019 ,		3
128	Novel Dual Active Bridge Based Multi Port Converter for Interfacing Hybrid Energy Storage Systems in Electric Vehicles 2019 ,		7

127	Terminal voltage analysis for the transformerless PV inverter topologies in a single-phase system. <i>IET Renewable Power Generation</i> , 2019 , 13, 2723-2739	2.9	3
126	Analysis and Control of Grid Tied Modular Multilevel Converter under Unbalanced PV Power Generation and Unbalanced Grid Conditions 2019 ,		1
125	A Novel Control Strategy to Share Power among Dispatchable Battery Sources and Achieve SOC Balancing without a Droop Control in a DC MicroGrid 2019 ,		2
124	Model Predictive Controller With Reduced Complexity for Grid-Tied Multilevel Inverters. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 8851-8855	8.9	36
123	Fuzzy Logic Control of the Ultracapacitor Interface for Enhanced Transient Response and Voltage Stability of a DC Microgrid. <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 712-720	4.3	31
122	Analysis for the Minimization of Leakage and Common Mode Currents in Cascaded Half-Bridge PV Fed Multilevel Inverter. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2019 , 7, 2443-2452	5.6	12
121	A Novel Three-Phase Transformerless H-8 Topology With Reduced Leakage Current for Grid-Tied Solar PV Applications. <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 1765-1774	4.3	28
120	A Novel Control Scheme for Enhancing the Transient Performance of an Islanded Hybrid AC/DC Microgrid. <i>IEEE Transactions on Power Electronics</i> , 2019 , 34, 9644-9654	7.2	18
119	A Novel Communication-Based Average Voltage Regulation Scheme for a Droop Controlled DC Microgrid. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 1250-1258	10.7	31
118	Single Phase Current Source Inverter With Multiloop Control for Transformerless Grid/DC Interface. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 2416-2424	4.3	23
117	Global maximum power point tracking of PV arrays under partial shading conditions using a modified particle velocity-based PSO technique. <i>IET Renewable Power Generation</i> , 2018 , 12, 555-564	2.9	54
116	Novel Control Scheme for an Interleaved Flyback Converter Based Solar PV Microinverter to Achieve High Efficiency. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 3473-3482	4.3	31
115	Novel Nonlinear Droop Control Techniques to Overcome the Load Sharing and Voltage Regulation Issues in DC Microgrid. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 4477-4487	7.2	79
114	A Frequency-Dependent Virtual Impedance for Voltage-Regulating Converters Feeding Constant Power Loads in a DC Microgrid. <i>IEEE Transactions on Industry Applications</i> , 2018 , 54, 5630-5639	4.3	35
113	Control of fuel cell and electrolyzer based hydrogen storage system with ultra-capacitor for voltage stability and enhanced transient stability of a DC micro grid 2018 ,		1
112	Trajectory Optimization for Loss Minimization in Induction Motor Fed Elevator Systems. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 5160-5170	7.2	10
111	A Novel Single-Phase T-Type PV Inverter with Improved DC Utilization 2018 ,		6
110	A Multi Input Converter for Interfacing Battery and Supercapacitor to the Load 2018 ,		5

109	A Novel Three-Phase Induction Motor Drive for Domestic Fan Application with Improved Reliability 2018,		3
108	An Advanced Model Predictive Controller for Grid-Tied Four-Leg Multilevel Inverters 2018,		2
107	A Novel Voltage-Zone based power management scheme for PV- Battery based Standalone System 2018,		1
106	A Novel Four Terminal Integrated Submodule Modular Multilevel Converter 2018,		1
105	Novel Voltage Balancing Techniques for Modular Multilevel PV Inverters 2018,		2
104	Analysis and Control of a Novel Transformer-Less Microinverter for PV-Grid Interface. <i>IEEE Journal of Photovoltaics</i> , 2018 , 8, 1110-1118	3-7	21
103	. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 3571-3584	7-2	13
102	Experimental Evaluation of Internal Model Control Scheme on a DCDC Boost Converter Exhibiting Nonminimum Phase Behavior. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 8880-8891	7-2	42
101	. <i>IEEE Transactions on Industry Applications</i> , 2017 , 53, 4779-4787	4-3	29
100	. <i>IEEE Journal of Photovoltaics</i> , 2017 , 7, 624-639	3-7	27
99	Wireless Online Position Monitoring of Manual Valve Types for Plant Configuration Management in Nuclear Power Plants. <i>IEEE Sensors Journal</i> , 2017 , 17, 311-322	4	8
98	Simplified Implementation Scheme for Space Vector Pulse Width Modulation of n-Level Inverter With Online Computation of Optimal Switching Pulse Durations. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 6695-6704	8.9	19
97	Design and Analysis of a High-Efficiency DCDC Converter With Soft Switching Capability for Renewable Energy Applications Requiring High Voltage Gain. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 2936-2944	8.9	101
96	Controller Area Network Assisted Grid Synchronization of a Microgrid With Renewable Energy Sources and Storage. <i>IEEE Transactions on Smart Grid</i> , 2016 , 7, 1442-1452	10.7	37
95	A self-switched virtual impedance based stabilization method for a droop controlled DC microgrid with Constant Power Loads and input load filters 2016,		2
94	Novel high gain topologies for ac-dc conversion with power factor correction and dc link capacitor reduction 2016,		1
93	Design and development of Controller Area Network based communication architecture for power sharing in a DC microgrid 2016,		2
92	Mitigation of voltage unbalance in a low voltage bipolar DC microgrid using a boost-SEPIC type interleaved dc-dc compensator 2016,		12

91	Implementation of an internal model controller with anti-reset windup compensation for output voltage tracking of a non-minimum phase dc-dc boost converter using FPGA 2016,		3
90	2016,		1
89	Advanced maximum power point tracking scheme for centralized inverters for large solar photovoltaic power plants 2016,		1
88	High-Efficiency Bidirectional Converter for Flywheel Energy Storage Application. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 5477-5487	8.9	17
87	. <i>IEEE Transactions on Energy Conversion</i> , 2016 , 31, 1442-1451	5.4	26
86	Closed loop control of novel transformer-less inverter topology for single phase grid connected photovoltaic system 2016,		8
85	A Novel Dual-Winding BLDC GeneratorBuck Converter Combination for Enhancement of the Harvested Energy From a Flywheel. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 7563-7573	8.9	5
84	Novel High-Performance Stand-Alone Solar PV System With High-Gain High-Efficiency DCDC Converter Power Stages. <i>IEEE Transactions on Industry Applications</i> , 2015 , 51, 4718-4728	4.3	78
83	. <i>IEEE Journal of Photovoltaics</i> , 2015 , 5, 1442-1453	3.7	25
82	A new control technique to enhance the stability of a DC microgrid and to reduce battery current ripple during the charging of plug-in electric vehicles 2015,		4
81	A Novel Reconfigurable Microgrid Architecture With Renewable Energy Sources and Storage. <i>IEEE Transactions on Industry Applications</i> , 2015 , 51, 1805-1816	4.3	92
80	Novel Integration of a PV-Wind Energy System With Enhanced Efficiency. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 3638-3649	7.2	61
79	Maximum Power Extraction From Series-Connected Fuel Cell Stacks by the Current Compensation Technique. <i>IEEE Transactions on Power Electronics</i> , 2015 , 30, 582-589	7.2	9
78	Dual Photoionization Source-Based Differential Mobility Sensor for Trace Gas Detection in Human Breath. <i>IEEE Sensors Journal</i> , 2015 , 15, 4899-4904	4	7
77	Novel boost-SEPIC type interleaved dc-dc converter for low-voltage bipolar dc microgrid-tied solar pv applications 2015,		11
76	. <i>IEEE Journal of Photovoltaics</i> , 2014 , 4, 669-678	3.7	16
75	Exact Maximum Power Point Tracking of Grid-Connected Partially Shaded PV Source Using Current Compensation Concept. <i>IEEE Transactions on Power Electronics</i> , 2014 , 29, 4684-4692	7.2	65
74	Anticipatory monitoring and control of complex energy systems using a fuzzy based fusion of support vector regressors 2014,		10

73	Reactive Power Capacity Enhancement of a PV-Grid System to Increase PV Penetration Level in Smart Grid Scenario. <i>IEEE Transactions on Smart Grid</i> , 2014 , 5, 1845-1854	10.7	44
72	Maximum Power Extraction From a Partially Shaded PV Array Using Shunt-Series Compensation. <i>IEEE Journal of Photovoltaics</i> , 2014 , 4, 1128-1137	3.7	42
71	Dynamic optimization of speed pattern for efficiency improvement in elevator systems 2014 ,		1
70	High-gain boost converter with coupled inductor and switched capacitor for low voltage renewable energy sources 2014 ,		1
69	On the control and design issues of single phase transformerless inverters for photovoltaic applications 2014 ,		8
68	Development of asset fault signatures for Prognostic and Health Management in the nuclear industry 2014 ,		2
67	Development of UV-ionization based trace differential mobility sensor for acetone and hexane. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2014 , 2014, 3476-9	0.9	
66	Precise active and reactive power control of the PV-DGS integrated with weak grid to increase PV penetration 2014 ,		16
65	A new low cost and high efficiency cascaded half-bridge multilevel inverter with reduced number of switches 2014 ,		2
64	Internal model control of dc-dc boost converter exhibiting non-minimum phase behavior 2014 ,		8
63	UV photo-ionization based asymmetric field differential ion mobility sensor for trace gas detection. <i>Sensors and Actuators B: Chemical</i> , 2014 , 195, 44-51	8.5	24
62	Fuzzy Integration of Support Vector Regression Models for Anticipatory Control of Complex Energy Systems. <i>International Journal of Monitoring and Surveillance Technologies Research</i> , 2014 , 2, 26-40		14
61	Reconfigurable hierarchical control of a microgrid developed with PV, wind, micro-hydro, fuel cell and ultra-capacitor 2013 ,		13
60	A high gain dc-dc converter with voltage multiplier 2013 ,		5
59	2013 ,		4
58	Recursive Estimation-Based Maximum Power Extraction Technique for a Fuel Cell Power Source Used in Vehicular Applications. <i>IEEE Transactions on Power Electronics</i> , 2013 , 28, 4636-4643	7.2	11
57	Novel self balancing single phase asymmetric 9 level grid connected inverter for photovoltaic applications 2013 ,		1
56	Single phase 9 level grid connected inverter for photovoltaic applications 2013 ,		4

55	An energy efficient and environment friendly elevator system using ultracapacitor and fuel cell with power factor correction 2013 ,		9
54	High gain, high efficiency bi-directional DC-DC converter for battery charging applications in stand-alone Photo-Voltaic systems 2013 ,		6
53	Novel multi-input solar PV topologies for 1- and 3-stand alone applications to mitigate the effects of partial shading 2013 ,		2
52	Three-level NPC inverter with novel voltage equalization for PV grid interface suitable for partially shaded conditions 2013 ,		6
51	Comparison of model based MPPT and exact MPPT for current equalization in partially shaded PV strings 2013 ,		2
50	Optimal energy harvesting from a high-speed brushless DC generator-based flywheel energy storage system. <i>IET Electric Power Applications</i> , 2013 , 7, 693-700	1.8	21
49	PV Fed high efficiency, high voltage gain DC-DC converter for micro-inverter applications 2013 ,		4
48	A photovoltaic power control algorithm covering complete range 2013 ,		10
47	A control strategy to reduce the effect of intermittent solar radiation and wind velocity in the hybrid photovoltaic/wind SCIG system without losing MPPT 2012 ,		8
46	2012 ,		7
45	Switched capacitor DC-DC converter based current equalization scheme for maximum power extraction from partially shaded PV modules without bypass diodes 2012 ,		5
44	Exact maximum power point tracking of partially shaded PV strings based on current equalization concept 2012 ,		12
43	A novel and universal model for accurate prediction of PV module characteristics for power optimization under various design layouts and dynamic environmental conditions 2012 ,		4
42	Novel control scheme to reduce the effect of intermittent solar radiation on the grid connected PV system power output without losing MPPT 2012 ,		6
41	On the Input Resistance of a Reconfigurable Switched Capacitor DCDC Converter-Based Maximum Power Point Tracker of a Photovoltaic Source. <i>IEEE Transactions on Power Electronics</i> , 2012 , 27, 4880-4893 ²		34
40	A novel, high efficiency, high gain, front end DC-DC converter for low input voltage solar photovoltaic applications 2012 ,		11
39	A modified control strategy for centralized PV - grid systems for assisting dynamic stability to overcome penetration issues 2012 ,		3
38	Dynamic power control and performance analysis of Phosphoric Acid Fuel Cell - Battery hybrid system 2012 ,		1

37	Controller Area Network (CAN) based smart protection scheme for Solar PV, fuel cell, Ultra-Capacitor and wind energy system based microgrid 2012 ,		8
36	High gain, high efficiency DC-DC converter with soft switching feature 2012 ,		1
35	Design and implementation of communication and control architecture for solar PV based microgrid supported by PEM Fuel Cell based auxiliary source 2011 ,		5
34	Analysis and comparative study of pulsating current of fuel cells by inverter load with different power converter topologies. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 15018-15028	6.7	15
33	A low cost, light weight and accurate photovoltaic emulator 2011 ,		11
32	Advance control scheme and operating modes for large capacity centralised PV-grid systems to overcome penetration issues 2011 ,		9
31	Novel control scheme for high power centralized PV-grid system to realize functionalities of AVR and governor as in conventional generators 2011 ,		6
30	Ion mobility sensor based on photo-ionization light source for trace gas sensing 2010 ,		2
29	Analysis and design of a ground isolated switched capacitor DC-DC converter 2010 ,		11
28	Switched Capacitor dc-dc converter based maximum power point tracking of a PV source for nano satellite application 2010 ,		8
27	Characterization and modeling of flexible photovoltaic modules for portable power applications 2009 ,		4
26	A new energy optimal control scheme for a separately excited DC motor based incremental motion drive. <i>International Journal of Automation and Computing</i> , 2009 , 6, 267-276	3.5	19
25	MPPT Scheme for a PV-Fed Single-Phase Single-Stage Grid-Connected Inverter Operating in CCM With Only One Current Sensor. <i>IEEE Transactions on Energy Conversion</i> , 2009 , 24, 256-263	5.4	107
24	A Single-Stage Single-Phase Transformer-Less Doubly Grounded Grid-Connected PV Interface. <i>IEEE Transactions on Energy Conversion</i> , 2009 , 24, 93-101	5.4	125
23	An Integrated Hybrid Power Supply for Distributed Generation Applications Fed by Nonconventional Energy Sources. <i>IEEE Transactions on Energy Conversion</i> , 2008 , 23, 622-631	5.4	127
22	Control of a Stand-Alone Inverter-Based Distributed Generation Source for Voltage Regulation and Harmonic Compensation. <i>IEEE Transactions on Power Delivery</i> , 2008 , 23, 1113-1120	4.3	34
21	Universal Single-Stage Grid-Connected Inverter. <i>IEEE Transactions on Energy Conversion</i> , 2008 , 23, 128-137	5.4	97
20	Maximum Power Point Tracking Scheme for PV Systems Operating Under Partially Shaded Conditions. <i>IEEE Transactions on Industrial Electronics</i> , 2008 , 55, 1689-1698	8.9	637

19	A Hybrid Control Algorithm for Voltage Regulation in DCDC Boost Converter. <i>IEEE Transactions on Industrial Electronics</i> , 2008 , 55, 2530-2538	8.9	126
18	MATLAB-Based Modeling to Study the Effects of Partial Shading on PV Array Characteristics. <i>IEEE Transactions on Energy Conversion</i> , 2008 , 23, 302-310	5.4	73 ^o
17	Optimization of Operational Energy Cost in a Hybrid Distributed Generation System 2008 ,		3
16	Taguchi Based Performance and Reliability Improvement of an Ion Chamber Amplifier for Enhanced Nuclear Reactor Safety. <i>IEEE Transactions on Nuclear Science</i> , 2008 , 55, 2303-2314	1.7	2
15	Design and development of a low-cost spirometer with an embedded web server. <i>International Journal of Biomedical Engineering and Technology</i> , 2008 , 1, 439	1.3	14
14	Utility-Interactive Hybrid Distributed Generation Scheme With Compensation Feature. <i>IEEE Transactions on Energy Conversion</i> , 2007 , 22, 666-673	5.4	42
13	A DSP Based Optimal Algorithm for Shunt Active Filter Under Nonsinusoidal Supply and Unbalanced Load Conditions. <i>IEEE Transactions on Power Electronics</i> , 2007 , 22, 593-601	7.2	64
12	Machine learning approach to color constancy. <i>Neural Networks</i> , 2007 , 20, 559-63	9.1	27
11	New current control based MPPT technique for single stage grid connected PV systems. <i>Energy Conversion and Management</i> , 2007 , 48, 625-644	10.6	58
10	A Single-Stage Grid Connected Inverter Topology for Solar PV Systems With Maximum Power Point Tracking. <i>IEEE Transactions on Power Electronics</i> , 2007 , 22, 1928-1940	7.2	331
9	Denosing electrical signal via Empirical Mode Decomposition 2007 ,		10
8	A DSP-Based Control Algorithm for Series Active Filter for Optimized Compensation Under Nonsinusoidal and Unbalanced Voltage Conditions. <i>IEEE Transactions on Power Delivery</i> , 2007 , 22, 302-310 ³	4.3	23
7	Hybrid Control of a Tri-state Boost Converter 2006 ,		5
6	Estimating Illumination Chromaticity via Kernel Regression 2006 ,		7
5	Comparison of Mode Switched Controllers for a Pseudo Continuous Current Mode Boost Converter 2006 ,		1
4	Prediction of the performance of an ion chamber amplifier under Γ radiation. <i>Nuclear Engineering and Design</i> , 2005 , 235, 1373-1387	1.8	1
3	Hybrid control of a boost converter operating in discontinuous current mode		11
2	A novel technique for optimising harmonics and reactive power with load balancing under nonsinusoidal supply and unbalanced load conditions		5

- 1 Numerical and Experimental Vibration Analysis of an Additive Manufactured Sensor Mounting Unit for a Wireless Valve Position Indication Sensor System. *Nuclear Technology*,1-16 1.4