

# Bhim Singh

## 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.

1,577  
papers

20,694  
citations

59  
h-index

100  
g-index

2,262  
ext. papers

29,770  
ext. citations

3.8  
avg, IF

7.97  
L-index

#	Paper	IF	Citations
1577	Battery Supported Solar Water Pumping System with Adaptive Feed- Forward Current Estimation. <i>IEEE Transactions on Energy Conversion</i> , <b>2022</b> , 1-1	5.4	0
1576	Sigma-Modified Power Control and Parametric Adaptation in a Grid-Integrated PV for EV Charging Architecture. <i>IEEE Transactions on Energy Conversion</i> , <b>2022</b> , 1-1	5.4	1
1575	An Aggregated Energy Management Methodology for Air Conditioning System With DAB Converter. <i>IEEE Journal of Emerging and Selected Topics in Industrial Electronics</i> , <b>2022</b> , 3, 124-132	2.6	1
1574	Enhanced Control of DFIG Based Wind Energy Conversion System under Unbalanced Grid Voltages Using Mixed Generalized Integrator. <i>IEEE Journal of Emerging and Selected Topics in Industrial Electronics</i> , <b>2022</b> , 1-1	2.6	2
1573	Bidirectional Power Sharing of Modular DABs to Improve Voltage Stability in DC Microgrids. <i>IEEE Transactions on Industry Applications</i> , <b>2022</b> , 1-1	4.3	3
1572	Gradient Detection Starting Controlled Photovoltaic Sourced BLDCM Drive Without Position Sensors. <i>IEEE Transactions on Energy Conversion</i> , <b>2022</b> , 1-1	5.4	
1571	A Novel Cost-Effective Dual-Colored LED Lighting in Household Applications. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2022</b> , 1-1	5.6	1
1570	An Efficient and Credible Grid-Interfaced Solar PV Water Pumping System With Energy Storage. <i>IEEE Journal of Photovoltaics</i> , <b>2022</b> , 1-8	3.7	1
1569	ELD-OSG Control of Battery Based Electronic Load Controller for Small Hydro Energy Conversion System. <i>IEEE Transactions on Industry Applications</i> , <b>2022</b> , 1-1	4.3	2
1568	AES-FLL control of RES powered microgrid for power quality improvement with synchronization control. <i>Electric Power Systems Research</i> , <b>2022</b> , 203, 107681	3.5	1
1567	A Bridgeless Isolated Half Bridge Converter Based EV Charger with Power Factor Pre-regulation. <i>IEEE Transactions on Industry Applications</i> , <b>2022</b> , 1-1	4.3	1
1566	A PV-Battery System Resilient to Weak Grid Conditions With Regulated Power Injection and Grid Supportive Features. <i>IEEE Transactions on Sustainable Energy</i> , <b>2022</b> , 1-1	8.2	0
1565	An 18-Pulse Converter and 4-Level Cascaded Inverter Based Induction Motor Drive. <i>IEEE Transactions on Industry Applications</i> , <b>2022</b> , 1-1	4.3	1
1564	Scott-Tied Magnetically Linked Solar Multilevel Converter in Varying Environmental Conditions. <i>IEEE Journal of Emerging and Selected Topics in Industrial Electronics</i> , <b>2022</b> , 1-1	2.6	1
1563	Control of ILC in an Autonomous AC-DC Hybrid Microgrid with Unbalanced Nonlinear AC Loads. <i>IEEE Transactions on Industrial Electronics</i> , <b>2022</b> , 1-1	8.9	0
1562	48-Pulse Voltage Source Converter Based on Three-Level Neutral Point Clamp Converters for Solar Photovoltaic Plant. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2022</b> , 1-1	5.6	
1561	Design optimization with improved torque performance of a new flux-intensifying PMSM using multilayer barriers for solar water pumps. <i>Engineering Science and Technology, an International Journal</i> , <b>2022</b> , 36, 101134		0

1560	Improved generalised integrator for optimal dispatch of SyRG-based pico-hydro-PV system. <i>IET Energy Systems Integration</i> , <b>2022</b> , 4, 116-130	3.3	0
1559	Coordinated Control Strategy for Hybrid Off-Grid System based on Variable Speed Diesel Generator. <i>IEEE Transactions on Industry Applications</i> , <b>2022</b> , 1-1	4.3	1
1558	Control of Solar PV Arrays Based Microgrid Intertied to 3-Phase 4-Wire Distribution Network. <i>IEEE Transactions on Industry Applications</i> , <b>2022</b> , 1-1	4.3	
1557	Wind-Driven DFIG-Battery-PV Based System with Advance DSOSF-FLL Control. <i>IEEE Transactions on Industry Applications</i> , <b>2022</b> , 1-1	4.3	2
1556	Adaptive Position Observer for Multimode Wind-BES Based Microgrid Interfaced to Distribution Network. <i>IEEE Transactions on Industry Applications</i> , <b>2022</b> , 1-1	4.3	0
1555	Reduced-Sensor Based Multi-Stage Model Reference Adaptive Control of PV fed PMSM Drive for Water Pump. <i>IEEE Transactions on Industrial Electronics</i> , <b>2022</b> , 1-1	8.9	1
1554	Multilevel Converter with Nearest Level Control for Integrating Solar Photovoltaic System. <i>IEEE Transactions on Industry Applications</i> , <b>2022</b> , 1-1	4.3	1
1553	GNLMP Control for Solar PV-Battery Based Microgrid with Ms-EPLL Synchronization. <i>IEEE Transactions on Industry Applications</i> , <b>2022</b> , 1-1	4.3	1
1552	Control of Single-Phase Distributed PV-Battery Microgrid for Smooth Mode Transition with Improved Power Quality. <i>IEEE Transactions on Industry Applications</i> , <b>2022</b> , 1-1	4.3	0
1551	A Reactive Power Compensated Control Scheme for Solar-Assisted EV Fast-Charging Applications. <i>International Transactions on Electrical Energy Systems</i> , <b>2022</b> , 2022, 1-12	2.2	0
1550	Adjustable Speed Induction Motor Drive Fed by 13-Level Cascaded Inverter and 54-Pulse Converter. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 1-1	4.3	1
1549	Hardware Implementation of Composite Control Strategy for Wind-PV-Battery Hybrid Off-Grid Power Generation System. <i>Clean Technologies</i> , <b>2021</b> , 3, 821-843	3.4	0
1548	A Multifunctional Three-Phase Grid Coupled Solar PV Energy Conversion System Using Delayed $\bar{p}$ -Law Proportionate Control for PQ Improvement. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 1-1	4.3	0
1547	Sliding Model Based Predictive Torque Control of Induction Motor for Electric Vehicle. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 1-1	4.3	4
1546	Predictive Algorithm for Control of Common Mode Voltage and Switching Frequency in Direct Matrix Converter fed System. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	0
1545	Multi-Mode Features of CIPNLMS-MFX Controlled Single-Phase PV System with Finite State Machine Based Islanding/Synchronization under Grid Outage. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 1-1	4.3	1
1544	An Isolated Bridgeless Cuk-SEPIC Converter Fed Electric Vehicle Charger. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 1-1	4.3	2
1543	Bridgeless Isolated Positive Output Luo Converter Based High Power Factor Single Stage Charging Solution for Light Electric Vehicles. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 1-1	4.3	2

1542	Power Quality Improvement in SyRG-PV-BES Based Standalone Microgrid Using ESOGI-FLL-WIF Control Algorithm. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 1-1	4.3	1
1541	Wiener Variable Step Size with Variance Smoothing Based Adaptive Neurons Technique for Utility Integrated PV-DSTATCOM System. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	2
1540	Control of Grid-Tied Multiple Distributed Generation Systems with Cooperative Compensation Capabilities. <i>IEEE Journal of Emerging and Selected Topics in Industrial Electronics</i> , <b>2021</b> , 1-1	2.6	1
1539	Improved Power Quality Charging System Based on High Step Down Gain Bridgeless SEPIC APFC for Light Electric Vehicles. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 1-1	4.3	1
1538	IROGIPNSE Based Control of Grid-Interactive DFIG under Unbalanced Network with Wind Power Levelling Capability. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 1-1	4.3	1
1537	Photovoltaic-battery powered grid connected system using multi-structural adaptive circular noise estimation control. <i>IET Power Electronics</i> , <b>2021</b> , 14, 397-411	2.2	1
1536	Single-phase wind-BES microgrid with seamless transition capability. <i>IET Power Electronics</i> , <b>2021</b> , 14, 313-325	2.2	0
1535	A high-power quality battery charger for light electric vehicle using switched inductor PFC converter. <i>IET Power Electronics</i> , <b>2021</b> , 14, 120-131	2.2	0
1534	Power Quality Improvement in PV System Tied to Weak Grid. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 1265-1273	4.3	3
1533	Double Stage Solar PV Array Fed Water Pump Driven by Permanent Magnet Synchronous Motor. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 1736-1745	4.3	2
1532	A Normalized Adaptive Filter for Enhanced Optimal Operation of Grid-Interfaced PV System. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 1715-1724	4.3	4
1531	<b>2021</b> ,		1
1530	Micro-hydro generator fed frequency adaptive sliding mode controlled air conditioning system for remote and hilly areas. <i>IET Renewable Power Generation</i> , <b>2021</b> , 15, 1498-1514	2.9	
1529	An Intelligent Grid Integrated Solar PV Array Fed RSM Drive-Based Water Pumping System. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 1818-1829	4.3	2
1528	CAPSA Based Control for Power Quality Correction in PV Array Integrated EVCS Operating in Standalone and Grid Connected Modes. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 1789-1800	4.3	6
1527	Energy-Efficient Ceiling Fan with Single-Phase Induction Motors <b>2021</b> , 6, 475		
1526	Weak Grid Integration of a Single-Stage Solar Energy Conversion System With Power Quality Improvement Features Under Varied Operating Conditions. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 1303-1313	4.3	3
1525	Sensorless BLDCM Ceiling Fan using a Single Switch and Single Stage PFC Converter <b>2021</b> ,		1

1524	Multi-functional commercial solar photovoltaic plant integrated to three-phase low voltage AC network. <i>IET Power Electronics</i> , <b>2021</b> , 14, 2139-2153	2.2	3
1523	Techno-economics of solar PV array-based hybrid systems for powering telecom towers. <i>Environment, Development and Sustainability</i> , <b>2021</b> , 23, 17003	4.5	0
1522	Power quality improvement using three-phase transformerless grid interfaced SECS enabling leakage current suppression. <i>IET Power Electronics</i> , <b>2021</b> , 14, 2067-2083	2.2	1
1521	Implementation of a Multiobjective Control for Islanded Hybrid Microgrid. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 2702-2713	4.3	2
1520	Binary-Quintuple Progression Based 12-Switch 25-Level Converter With Nearest Level Modulation Technique for Grid-Tied and Standalone Applications. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 3214-3223	4.3	5
1519	Utilization of Small Hydro Energy Conversion Based Renewable Energy for Dual Mode Operation <b>2021</b> ,		1
1518	Battery-supported unified power quality controller for small hydro-based isolated power generation. <i>IET Renewable Power Generation</i> , <b>2021</b> , 15, 2160-2167	2.9	0
1517	Peak Current Detection Starting Based Position Sensorless Control of BLDC Motor Drive for PV Array Fed Irrigation Pump. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 2569-2577	4.3	4
1516	A Cuk Converter and Resonant LLC Converter Based E-Bike Charger for Wide Output Voltage Variations. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 2682-2691	4.3	5
1515	Power Factor Preregulation in Interleaved Luo Converter-Fed Electric Vehicle Battery Charger. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 2870-2882	4.3	8
1514	An MPC Based Algorithm for a Multipurpose Grid Integrated Solar PV System With Enhanced Power Quality and PCC Voltage Assist. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 36, 1469-1478	5.4	10
1513	A Three-Phase Grid-Tied Residential PV System Using GSOF-Based Control. <i>IEEE Systems Journal</i> , <b>2021</b> , 15, 1684-1692	4.3	1
1512	Implementation of Trigger Unit for Generation of High-Current-Density Electron Beam. <i>IEEE Transactions on Electron Devices</i> , <b>2021</b> , 68, 3582-3587	2.9	5
1511	Improved Power Quality Transformerless Single-Stage Bridgeless Converter Based Charger for Light Electric Vehicles. <i>IEEE Transactions on Power Electronics</i> , <b>2021</b> , 36, 7716-7724	7.2	5
1510	Performance Analysis of Solar PV Array and Battery Integrated Unified Power Quality Conditioner for Microgrid Systems. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 4027-4035	8.9	22
1509	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> , <b>2021</b> , 17, 100-109	11.9	3
1508	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 3137-3147	8.9	5
1507	Sensorless Predictive Current Control of PMSM EV Drive Using DSOGI-FLL Based Sliding Mode Observer. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 5537-5547	8.9	15

1506	Design Architecture for Continuous-Time Control of Dual Active Bridge Converter. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2021</b> , 9, 3287-3295	5.6	7
1505	Steepest Descent Laplacian Regression Based Neural Network Approach for Optimal Operation of Grid Supportive Solar PV Generation. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2021</b> , 68, 1947-1951	3.5	11
1504	Frequency Adaptive Multistage Harmonic Oscillator for Renewable-Based Microgrid Under Nonideal Grid Conditions. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 358-369	8.9	5
1503	Solar PV Array Fed Self-Sensing Control of PMSM Drive With Robust Adaptive Hybrid SOGI Based Flux Observer for Water Pumping. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 6962-6972	8.9	4
1502	Leakage Current Suppression in Double Stage SECS Enabling Harmonics Suppression Capabilities. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 36, 186-196	5.4	6
1501	Pole Reduction Concept for Control of Synchronous Reluctance Motor-Based Solar Photovoltaic Water Pumping System for Improved Performance. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 5650-5660	8.9	5
1500	Speed-Sensorless DTC of a Matrix Converter Fed Induction Motor Using an Adaptive Flux Observer. <i>IETE Journal of Research</i> , <b>2021</b> , 67, 414-424	0.9	3
1499	DSOGI-PLL With In-Loop Filter Based Solar Grid Interfaced System for Alleviating Power Quality Problems. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 730-740	4.3	14
1498	Combined IIR and FIR Filter for Improved Power Quality of PV Interfaced Utility Grid. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 774-783	4.3	4
1497	Sensorless Predictive Control of SPMSM-Driven Light EV Drive Using Modified Speed Adaptive Super Twisting Sliding Mode Observer With MAF-PLL. <i>IEEE Journal of Emerging and Selected Topics in Industrial Electronics</i> , <b>2021</b> , 2, 42-52	2.6	10
1496	Control and Implementation of a Multifunctional Solar PV-BES-DEGS Based Microgrid. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 8241-8252	8.9	5
1495	A Voltage Support Control Strategy for Grid Integrated Solar PV System During Abnormal Grid Conditions Utilizing Interweaved GI. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 8149-8157	8.9	14
1494	An Online Method of Estimating State of Health of a Li-Ion Battery. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 36, 111-119	5.4	9
1493	Grid-Integrated SRM-Driven Solar Water Pump With Power Flow Management. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2021</b> , 9, 2723-2734	5.6	2
1492	Delta-Sigma Modulation Based Common-Mode Voltage Elimination in Direct Matrix Converter. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 17, 1048-1057	11.9	9
1491	Design and Control of Medium-Voltage Multilevel Converter for Direct Grid Integration of Photovoltaic System. <i>Journal of the Institution of Engineers (India): Series B</i> , <b>2021</b> , 102, 203-212	0.9	1
1490	. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 130-138	4.3	0
1489	Implementation of Two-Level Coordinated Control for Seamless Transfer in Standalone Microgrid. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 1057-1068	4.3	8



1488	A Robust CIM Based Control Approach for PVECS Interfaced to Local Distribution Network. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 1235-1245	4.3	1
1487	Performance Enhancement of PVDGBS Distributed Generation System in Islanded Mode. <i>Journal of the Institution of Engineers (India): Series B</i> , <b>2021</b> , 102, 311-321	0.9	0
1486	. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 549-558	4.3	6
1485	. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 588-597	4.3	9
1484	Real-Time Implementation of CLMS Algorithm in 3P4W Solar PV-BES-Based Microgrid System. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 795-804	4.3	2
1483	Performance Evaluation of Single-Phase PV-BES Based Microgrid With Seamless Transition Capability. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 8321-8332	8.9	2
1482	An Improved Control Technique for Grid Interactive 4-Phase SRM Driven Solar Powered WPS Using Three-Level Boost Converter. <i>IEEE Transactions on Industrial Informatics</i> , <b>2021</b> , 17, 290-299	11.9	8
1481	A New Two-Leg Converter-Based Multifunctional TPFW Grid-Tied Single-Stage Solar PV System. <i>Journal of the Institution of Engineers (India): Series B</i> , <b>2021</b> , 102, 415-425	0.9	
1480	Frequency Domain Modeling of Dual Active Bridge Converter Based on Harmonic Balance Approach. <i>IEEE Journal of Emerging and Selected Topics in Industrial Electronics</i> , <b>2021</b> , 1-1	2.6	3
1479	Control of Three-Phase Grid Integrated Multiple Solar Photovoltaic Arrays-BES Based Microgrid. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 1-1	4.3	1
1478	Improved Gaussian Filter based Solar PV-BES Microgrid with PLL based Islanding detection and Seamless Transfer Control. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	5
1477	Arctangent Function Based Normalized Least Mean Squares Algorithm for a Battery Supported Wind Energy Conversion System. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2021</b> , 1-1	5.6	3
1476	MAF-DCGI Based Single-Phase Uninterrupted PV-Battery System Under Unintentional Islanding. <i>IEEE Transactions on Energy Conversion</i> , <b>2021</b> , 1-1	5.4	3
1475	Modified PWM Technique for a Multi-Pulse Converter fed Multilevel Inverter Based IM Drive. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 1-1	4.3	3
1474	Harmonic Suppression Scheme for Multi-Pulse Converter Fed Multilevel Inverter Based IM Drive. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 1-1	4.3	2
1473	SPV-BES System Synchronized to Three Phase Four Wire AC Distribution Network. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 1-1	4.3	1
1472	A New Analytical MPPT Based Induction Motor Drive for Solar PV Water Pumping System with Battery Backup. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	0
1471	Model reference adaptive system based sensorless vector control scheme for a 36-pulse ac/dc converter fed 9-level cascaded H-bridge-inverter driven induction motor drive. <i>IET Power Electronics</i> , <b>2021</b> , 14, 706-716	2.2	0

1470	SEPIC Converter for Solar PV Array Fed Battery Charging in DC Homes. <i>Journal of the Institution of Engineers (India): Series B</i> , <b>2021</b> , 102, 455-463	0.9	1
1469	$\beta$ -Norm Proportionate Based Approach with Mode Transition Between Grid Interactive and Standalone of Solar- BES Three Phase Four Wire Microgrid. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 1-1	4.3	3
1468	Solar powered battery charging scheme for light electric vehicles (LEVs). <i>International Journal of Emerging Electric Power Systems</i> , <b>2021</b> , 22, 101-111	1.4	3
1467	Bridgeless Isolated Zeta Duo Converter-Based EV Charger With PF Preregulation. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 628-636	4.3	1
1466	Grid Integration of Renewable Energy Generating System Using Nonlinear Harmonic Observer Under Non-Ideal Distribution System. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 1-1	4.3	0
1465	Performance Assessment of Eight Switch Eleven Level Packed U Cell Converter under Dynamic Solar Photovoltaic Environment. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2021</b> , 1-1	5.6	0
1464	A Power Factor Corrected Resonant EV Charger Using Reduced Sensor Based Bridgeless Boost PFC Converter. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 1-1	4.3	1
1463	Enhanced Power Quality PV-Inverter with Leakage Current Suppression for Three-Phase SECS. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	2
1462	SMO-Based Position Sensorless SRM Drive for Battery Supported PV Submersible Pumps. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2021</b> , 1-1	5.6	4
1461	Harmonic Voltage Control in Distributed Generation Systems Using Optimal Switching Vector Strategy. <i>IEEE Systems Journal</i> , <b>2021</b> , 1-12	4.3	
1460	PV/BES Microgrid System with LQR-Tuned CC/VF-Based Control Algorithm. <i>Journal of the Institution of Engineers (India): Series B</i> , <b>2021</b> , 102, 585-593	0.9	1
1459	Multi-mode Robust Control for Reconfigurable Microgrid with Dynamic and EV Loads. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 1-1	4.3	0
1458	An Uninterruptable PV Array-Battery Based System Operating in Different Power Modes with Enhanced Power Quality. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	4
1457	Voltage and Frequency Controller for PMSG-Based Small-Hydro Power Generation. <i>Journal of the Institution of Engineers (India): Series B</i> , <b>2021</b> , 102, 843	0.9	0
1456	A Rapid Circle Centre-Line Concept-Based MPPT Algorithm for Solar Photovoltaic Energy Conversion Systems. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2021</b> , 68, 940-949	3.9	12
1455	Robust control for seamless operation of wind-BES microgrid. <i>International Transactions on Electrical Energy Systems</i> , <b>2021</b> , 31, e12838	2.2	
1454	Quasi-constant bus voltage CrCM boost PFC fed LLC resonant converter in high power LED lighting systems. <i>International Journal of Circuit Theory and Applications</i> , <b>2021</b> , 49, 1583-1598	2	0
1453	Reduced sensor operation and power quality improvement in grid-tied doubly fed induction generator using composite and twin frequency generalised integrators. <i>IET Renewable Power Generation</i> , <b>2021</b> , 15, 1943-1955	2.9	2



1452	Solar-powered switched reluctance motor-driven water pumping system with battery support. <i>IET Power Electronics</i> , <b>2021</b> , 14, 1018-1031	2.2	1
1451	Design and Development of Energy Efficient Single Phase Induction Motor For Ceiling Fan Using Taguchi's Orthogonal Arrays. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 3562-3572	4.3	3
1450	Adaptive Current Control for a Bidirectional Interleaved EV Charger With Disturbance Rejection. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 4080-4090	4.3	8
1449	Adaptive Hybrid Generalized Integrator Based SMO for Solar PV Array Fed Encoderless PMSM Driven Water Pump. <i>IEEE Transactions on Sustainable Energy</i> , <b>2021</b> , 12, 1651-1661	8.2	3
1448	An observer-based current reconstruction of induction motor driven water pump with improved power flow control by ANN based DPC of PV-grid interactive system. <i>IET Power Electronics</i> , <b>2021</b> , 14, 2194-2206	2.2	
1447	Control and implementation of multifunctional microgrid with seamless synchronization capability. <i>Energy Conversion and Economics</i> , <b>2021</b> , 2, 157-168	0.7	
1446	Robust Control for Islanded and Seamless Mode Switching of WindPV Grid-Tied Generation System. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 5285-5295	4.3	2
1445	Study on Effect of Rail Filet Radius in Electromagnetic Railgun. <i>IEEE Transactions on Plasma Science</i> , <b>2021</b> , 49, 2997-3002	1.3	1
1444	Power quality investigation of CHB nine-level converter based large-scale solar PV system with different modulation schemes. <i>Energy Conversion and Economics</i> , <b>2021</b> , 2, 145-156	0.7	1
1443	FS-MPC-Based Speed Sensorless Control of Matrix Converter Fed Induction Motor Drive With Zero Common Mode Voltage. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 9185-9195	8.9	8
1442	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 9665-9674	8.9	1
1441	A Spontaneous Control for Grid Integrated Solar Photovoltaic Energy Conversion Systems With Voltage Profile Considerations. <i>IEEE Transactions on Sustainable Energy</i> , <b>2021</b> , 12, 2159-2168	8.2	6
1440	Implementation of frequency integrated multi-order generalized integrator for solar energy sourced grid. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2021</b> , 131, 106918	5.1	0
1439	A Cascaded Generalized Integral Control for Multiobjective Grid-Connected Solar Energy Transfer System. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 12385-12395	8.9	2
1438	Control of solar PV-integrated battery energy storage system for rural area application. <i>IET Renewable Power Generation</i> , <b>2021</b> , 15, 1030-1045	2.9	3
1437	Fractional-Order Notch Filter for Grid-Connected Solar PV System With Power Quality Improvement. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	6
1436	A Resilient FLL Control for Solar-Hydro Generation Based Utility Interactive Microgrid with Enhanced Power Quality. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 1-1	4.3	1
1435	Cascaded Converter for Large-Scale Solar-BES System with Transformer Isolation <b>2021</b> ,		1

1434	Design and Development of Capacitor Run Split-Phase Fan Motor for Higher Efficacy. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 1-1	4.3	1
1433	BMS Based Grid Forming Converter and PV Array with DFIG Synchronization Technique <b>2021</b> ,		1
1432	Design of An Energy Efficient Outer Rotor Ceiling Fan Single Phase Induction Motor <b>2020</b> ,		1
1431	An Improved PQ Zeta Converter with Reduced Switch Voltage Stress for Electric Vehicle Battery Charger <b>2020</b> ,		2
1430	Design of Fractional-Slot Concentrated Winding Consequent Pole Motor for Ceiling Fans <b>2020</b> ,		1
1429	Design and Analysis of Air Core Outer Rotor Halbach Array Compulsator. <i>IEEE Transactions on Plasma Science</i> , <b>2020</b> , 48, 3663-3669	1.3	1
1428	. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 6882-6891	4.3	0
1427	Integration of Solar PV-WECS and DG Set for EV Charging Station <b>2020</b> ,		3
1426	An efficient wide input wide output CrCM flyback converter in high-power LED lighting. <i>International Transactions on Electrical Energy Systems</i> , <b>2020</b> , 30, e12445	2.2	3
1425	PCC Voltage Quality Restoration Strategy of an Isolated Microgrid Based on Adjustable Step Adaptive Control <b>2020</b> ,		1
1424	Adaptive Current Control for a Bi-directional Interleaved EV Charger with Disturbance Rejection <b>2020</b> ,		2
1423	Enhanced SOGI Controller for Weak Grid Integrated Solar PV System. <i>IEEE Transactions on Energy Conversion</i> , <b>2020</b> , 35, 1208-1217	5.4	11
1422	Single-Stage PV-Grid Interactive Induction Motor Drive With Improved Flux Estimation Technique for Water Pumping With Reduced Sensors. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 12988-12999	7.2	6
1421	Multifunctional Capabilities of Power Converter in a Three Phase Four Wire Grid Interactive PV System <b>2020</b> ,		1
1420	A Novel Control Scheme for Wind Turbine Driven DFIG Interfaced to Utility Grid. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 2925-2937	4.3	10
1419	Recursive Digital Filter Based Control for Power Quality Improvement of Grid Tied Solar PV System. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 1-1	4.3	3
1418	Predictive Speed Estimation for Encoderless Control of an Induction Motor Fed by Delta Sigma Modulated Matrix Converter <b>2020</b> ,		1
1417	TOCF Based Control for Optimum Operation of a Grid Tied Solar PV System. <i>IEEE Transactions on Energy Conversion</i> , <b>2020</b> , 35, 1171-1181	5.4	1

1416	Reweighted L1 Norm penalized Least Mean Square Fourth Algorithm based Solar Grid Interfaced System for Alleviating Power Quality Problems <b>2020</b> ,		1
1415	Interleaved Landsman Converter Fed EV Battery Charger With Power Factor Correction. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 1-1	4.3	11
1414	Design and Development of Modified BL Luo Converter for PQ Improvement in EV Charger. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 1-1	4.3	6
1413	A Sensorless DTC Scheme for 60-Pulse AC-DC Converter Fed 5-Level Six-Leg NPC Inverter Based Medium Voltage Induction Motor Drive. <i>IEEE Transactions on Energy Conversion</i> , <b>2020</b> , 35, 1916-1925	5.4	2
1412	Impacts of Barrier Shape on Torque Ripple and Saliency in Synchronous Reluctance Motor for Solar Water Pumping <b>2020</b> ,		1
1411	S-Transform Based Detection of Multiple and Multistage Power Quality Disturbances <b>2020</b> ,		2
1410	VSSMLMS-based control of multifunctional PV-DSTATCOM system in the distribution network. <i>IET Generation, Transmission and Distribution</i> , <b>2020</b> , 14, 2100-2110	2.5	7
1409	Improved Power Quality Charger Based on Bridgeless Canonical Switching Cell Converter for a Light Electric Vehicle <b>2020</b> ,		1
1408	Sensorless Field Oriented SMCC Based Integral Sliding Mode for Solar PV Based Induction Motor Drive for Water Pumping. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 5056-5064	4.3	6
1407	A Framework of L-HC and AM-MKF for Accurate Harmonic Supportive Control Schemes. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2020</b> , 67, 5246-5256	3.9	10
1406	Reduced Sensor Based Vector Control of Grid- Interactive DFIG with Wind Power Levelling Capability <b>2020</b> ,		3
1405	. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 4689-4699	4.3	15
1404	Single Parameter Exponential Time Series Smoothing to Dampen Wind Power Irregularities in Grid-Integrated Doubly Fed Induction Generator <b>2020</b> ,		1
1403	Multimode Operation of Solar PV Array, Grid, Battery and Diesel Generator Set Based EV Charging Station. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 5330-5339	4.3	12
1402	Improved phase-locked loop-based control for grid-integrated PV system. <i>IET Renewable Power Generation</i> , <b>2020</b> , 14, 705-712	2.9	4
1401	Reweighted Zero Attracting Maximum Correntropy Criterion Algorithm based Solar Grid Interfaced System for Alleviating Power Quality Problems <b>2020</b> ,		4
1400	BD-VSS individual weighting factor sign based adaptive filter control for power quality improvement in weak distribution grid. <i>IET Generation, Transmission and Distribution</i> , <b>2020</b> , 14, 1450-1457	2.5	4
1399	PMBLDC Motor Based Ceiling Fan Using an Isolated PFC Zeta Converter <b>2020</b> ,		2

1398	Harmonic Suppression Scheme for Multi-Pulse Converter Fed Multilevel Inverter Based IM Drive <b>2020</b> ,		1
1397	Multiwinding Transformer Fed CHB Inverter With On-Line Switching Angle Calculation Based SHE Technique for Vector Controlled Induction Motor Drive. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 2807-2815	4.3	5
1396	Influence of Filletting and Tapering of Rails on Railgun Parameters. <i>IEEE Transactions on Plasma Science</i> , <b>2020</b> , 48, 721-726	1.3	3
1395	Multi-Objective Solar Power Conversion System With MGI Control for Grid Integration at Adverse Operating Conditions. <i>IEEE Transactions on Sustainable Energy</i> , <b>2020</b> , 11, 2901-2910	8.2	5
1394	Solar PV-BES Based Microgrid System With Multifunctional VSC. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 2957-2967	4.3	15
1393	A High-Performance Microgrid With a Mechanical Sensorless SynRG Operated Wind Energy Generating System. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 7349-7359	11.9	4
1392	Self-Adjustable Step-Based Control Algorithm for Grid-Interactive Multifunctional Single-Phase PV-Battery System Under Abnormal Grid Conditions. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 2978-2987	4.3	11
1391	Intuitive control technique for grid connected partially shaded solar PV-based distributed generating system. <i>IET Renewable Power Generation</i> , <b>2020</b> , 14, 600-607	2.9	8
1390	Novel bandpass filter-based control strategy for control of a hydro-PV-BES supported isolated MG. <i>IET Power Electronics</i> , <b>2020</b> , 13, 636-648	2.2	5
1389	Real-time implementation of active shunt compensator with adaptive SRLMMN control technique for power quality improvement in the distribution system. <i>IET Generation, Transmission and Distribution</i> , <b>2020</b> , 14, 1598-1606	2.5	9
1388	An Efficient Control Scheme of Grid Supported 4-Phase Switched Reluctance Motor-Driven SPWPS. <i>IEEE Transactions on Energy Conversion</i> , <b>2020</b> , 35, 1258-1267	5.4	8
1387	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 5254-5266	11.9	8
1386	Solar PV Array Integrated UPQC for Power Quality Improvement Based on Modified GI <b>2020</b> ,		2
1385	Grid Integration of Renewable Energy Generating System Using Nonlinear Harmonic Observer Under Non-Ideal Distribution System <b>2020</b> ,		1
1384	Implementation of a Multi-Objective Control for Islanded Hybrid Microgrid <b>2020</b> ,		1
1383	Grid Connected Two Stage PV-Battery System with PV Intermittency Mitigation and Improved Power Quality <b>2020</b> ,		1
1382	Reweighted L1 Norm Penalized LMS Fourth Algorithm of Solar Grid Interfaced System for Alleviating Power Quality Problems. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 5352-5362	4.3	4
1381	AFL-Based Control Technique for Grid Interfaced Three Phase PV System. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 2263-2272	4.3	2

1380	An Integration of Solar Photovoltaic Generation to Three-Phase Utility Using Adaptive Control Algorithm. <i>Journal of the Institution of Engineers (India): Series B</i> , <b>2020</b> , 101, 43-54	0.9	1
1379	High efficiency wide input extreme output (WIEO) tapped inductor buckBoost converter for high power LED lighting. <i>IET Power Electronics</i> , <b>2020</b> , 13, 535-544	2.2	1
1378	Utility-Tied Solar Water Pumping System for Domestic and Agricultural Applications. <i>Journal of the Institution of Engineers (India): Series B</i> , <b>2020</b> , 101, 79-91	0.9	1
1377	Linearized Quadratic Integral Control for Single-Phase Single-Stage Symmetric SLCHBC for Residential Solar PV Grid-Tied Applications. <i>Journal of the Institution of Engineers (India): Series B</i> , <b>2020</b> , 101, 35-42	0.9	
1376	Multi-functional Microgrid Transient-Free Connection: Disconnection with Grid. <i>Journal of the Institution of Engineers (India): Series B</i> , <b>2020</b> , 101, 55-64	0.9	
1375	Adaptive d-Axis Current Control of RSM for Photovoltaic Water Pumping Incorporating Cross Saturation. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 6487-6498	11.9	3
1374	Self-governing single-stage photovoltaic water pumping system with voltage balancing control for a four-phase SRM drive. <i>IET Electric Power Applications</i> , <b>2020</b> , 14, 119-130	1.8	4
1373	Adaptive Damped Circular Current Limit Control for PV Grid-Tied System. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 1197-1204	4.3	4
1372	Control of Grid Fed PV Generation Using Infinite Impulse Response Peak Filter in Distribution Network. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 3079-3089	4.3	3
1371	Improved Performance Design Realization of a Fractional Kilowatt Induction Motor With Predictive Current Control for Water Pumping. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 1-1	4.3	0
1370	SyRG-PV-BES-Based Standalone Microgrid Using Approximate Multipliers Based Adaptive Control Algorithm. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 2913-2924	4.3	4
1369	Multi-Winding Transformer for 18-Pulse ACDC Converter Fed 7-Level CHB-Inverter With Fundamental Switching Based VCIMD. <i>IEEE Open Journal of the Industrial Electronics Society</i> , <b>2020</b> , 1, 1-9	3.6	5
1368	Improvised multi-objective model predictive control of matrix converter using fuzzy logic and space vectors for switching decisions. <i>IET Power Electronics</i> , <b>2020</b> , 13, 758-764	2.2	2
1367	Grid-Tied Battery Integrated Wind Energy Generation System with Ability to Operate Under Adverse Grid Conditions <b>2020</b> ,		1
1366	Modified PWM Technique for a Multi-Pulse Converter fed Multilevel Inverter Based IM Drive <b>2020</b> ,		1
1365	An Improved SMO for Position Sensorless Operation of PMSM Driven Solar Water Pumping System <b>2020</b> ,		2
1364	A Canonical Switching Cell (CSC) Converter Based Power Factor Corrected Battery Charger for E-Rickshaw <b>2020</b> ,		2
1363	MVSS-LMS control for a three-phase standalone solar PV-BES-DG based microgrid. <i>International Transactions on Electrical Energy Systems</i> , <b>2020</b> , 30, e12412	2.2	2

1362	An Implementation of Solar PV Array Based Multifunctional EV Charger. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 1-1	4-3	12
1361	Q-Learning based Maximum Power Extraction for Wind Energy Conversion System With Variable Wind Speed. <i>IEEE Transactions on Energy Conversion</i> , <b>2020</b> , 35, 1160-1170	5-4	15
1360	Single Stage Autonomous Solar Water Pumping System Using PMSM Drive. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 1-1	4-3	3
1359	Distributed Incremental Adaptive Filter Controlled Grid Interactive Residential Photovoltaic-Battery Based Microgrid for Rural Electrification. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 1-1	4-3	4
1358	Implementation of Solar PV-Battery and Diesel Generator Based Electric Vehicle Charging Station. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 1-1	4-3	14
1357	Robust Adaptive Position Observer for Multimode Wind-BES Based Microgrid Interfaced to Distribution Network <b>2020</b> ,		1
1356	Seamless Control of Renewable Energy System with Grid Connected and Islanded Modes <b>2020</b> ,		2
1355	Robust Seventh Order Complex Filter Controller for PV-BES System with Seamless Grid Synchronization <b>2020</b> ,		1
1354	Flying capacitor voltage balance and neutral point voltage regulation of PV array fed active neutral point clamped converter in real-time HIL. <i>IET Power Electronics</i> , <b>2020</b> , 13, 2816-2823	2-2	1
1353	Enhanced momentum LMS-based control technique for grid-tied solar system. <i>IET Power Electronics</i> , <b>2020</b> , 13, 2767-2774	2-2	5
1352	Novel distortionless dimming in high power LED lighting using isolated SEPIC converter. <i>IET Power Electronics</i> , <b>2020</b> , 13, 3234-3242	2-2	
1351	Voltage-controlled power factor corrected CSC derived DCDC converter for PMBLDC driven home appliances. <i>IET Power Electronics</i> , <b>2020</b> , 13, 3407-3418	2-2	3
1350	MMLSTOGI based control for suppression of current harmonics in PV-tied grid. <i>IET Power Electronics</i> , <b>2020</b> , 13, 3697-3706	2-2	
1349	Landsman Converter Based Sensorless BLDC Motor Driven Solar PV-Battery fed E-Rickshaw with Regenerative Braking <b>2020</b> ,		1
1348	<b>2020</b> ,		2
1347	Canonical Switching Cell (CSC) Converter-Based Power Factor-Corrected Battery Charger for E-Rickshaw. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 5046-5055	4-3	5
1346	Control of Three-Phase Grid Integrated Multiple Solar Photovoltaic Arrays-BES Based Microgrid <b>2020</b> ,		1
1345	Adjustable Speed Induction Motor drive fed by 13-level Cascaded Inverter and 54-Pulse Converter <b>2020</b> ,		1



1344	Implementation of Grid Interactive and Islanded Controlled PV System for Residential Applications <b>2020</b> ,		1
1343	An Improved Power Quality PV-Battery System Coupled to Weak Grid with Feed-in Tariff Flexibility and PV Intermittency Flattening <b>2020</b> ,		2
1342	Improved Power Quality Charging System Based on High Step Down Gain Bridgeless SEPIC APFC for Light Electric Vehicles <b>2020</b> ,		2
1341	Combined Variable Step Size LMS for DVR with Error Regulator Gain Tuning Through Ant-Lion Optimization <b>2020</b> ,		1
1340	Design and Development of Energy Efficient Single Phase Induction Motor For Ceiling Fan Using Taguchi's Orthogonal Arrays <b>2020</b> ,		1
1339	Bridgeless PFC Converter Based EV Charger <b>2020</b> ,		2
1338	Control of Self-Excited Induction Generator-based Micro-Hydro Power Generation System Feeding Single-Phase and Three-Phase Loads <b>2020</b> ,		1
1337	An Isolated Bridgeless Cuk-SEPIC Converter Fed Electric Vehicle Charger <b>2020</b> ,		1
1336	Position Sensorless BLDC Motor Drive for Single Stage PV Based Water Pumping <b>2020</b> ,		1
1335	p-Norm Proportionate Based Approach with Mode Transition Between Grid Interactive and Standalone of Solar- BES Three Phase Four Wire Microgrid <b>2020</b> ,		2
1334	Self-synchronising virtual induction generator without phase-locked loop and proportionalIntegral regulators. <i>IET Generation, Transmission and Distribution</i> , <b>2020</b> , 14, 5080-5092	2.5	0
1333	Modified SPWM technique for improved harmonic performance of single PV array fed grid-tied five-level converter. <i>IET Power Electronics</i> , <b>2020</b> , 13, 4498-4506	2.2	1
1332	IQAQ-LMS-based control of PV-battery interfaced microgrid in grid-connected and autonomous modes. <i>IET Power Electronics</i> , <b>2020</b> , 13, 3999-4007	2.2	2
1331	Analysis of Reverse-Saliency PMSM with Multiple Flux-Barriers for SWPS <b>2020</b> ,		1
1330	Application of Machine learning for Prediction of Solar Microgrid System <b>2020</b> ,		1
1329	Design and Development of Capacitor Run Split-Phase Fan Motor for Higher Efficacy <b>2020</b> ,		1
1328	A High-Performance Solar PV Array-Wind and Battery Integrated Microgrid for Rural Electrification <b>2020</b> ,		1
1327	Wind-Battery-PV Based Microgrid with Discrete Second Order Sequence Filter-Frequency Locked Loop <b>2020</b> ,		2

1326	Power quality improvement of PV-WPGS based grid interactive microgrid using MSWL-CLMS control. <i>IET Energy Systems Integration</i> , <b>2020</b> , 2, 362-372	3.3	2
1325	Multi-Mode Features of CIPNLMS-MFX Controlled Single-Phase PV System with Islanding Detection under Grid Outage <b>2020</b> ,		1
1324	Model Predictive Control for Modular Electric Vehicle Charger <b>2020</b> ,		2
1323	Power Quality Improvement in Fifteen Level PUC for PV Grid-Tied Applications <b>2020</b> ,		1
1322	Fundamental switched MW-size multilevel converter for large-scale solar PV plant. <i>IET Renewable Power Generation</i> , <b>2020</b> , 14, 3853-3863	2.9	
1321	Enhanced resonant two-degree of freedom-based PID controller for grid-integrated PV power generating system. <i>IET Renewable Power Generation</i> , <b>2020</b> , 14, 3550-3557	2.9	
1320	Double-stage grid-integrated SPV system under weak distribution grid. <i>IET Renewable Power Generation</i> , <b>2020</b> , 14, 4094-4103	2.9	1
1319	Coordinated Control Strategy for Hybrid Off-Grid System based on Variable Speed Diesel Generator <b>2020</b> ,		1
1318	Robust Power Sharing between Dual Active Bridges to Improve a DC Microgrid's Stability <b>2020</b> ,		1
1317	Mean Normalized Multi-objective Predictive Control for Matrix Converters with Common-mode Voltage Elimination <b>2020</b> ,		1
1316	An Electric Vehicle Charger Based on Vienna Rectifier and Resonant LLC Converter <b>2020</b> ,		1
1315	Frequency-adaptive complex-coefficient filter-based control for grid-integrated PV system. <i>IET Generation, Transmission and Distribution</i> , <b>2020</b> , 14, 4141-4151	2.5	5
1314	Sigmoidal and Gaussian functions based neural neuron technique for grid interactive solar energy system enabling power quality improvement. <i>IET Generation, Transmission and Distribution</i> , <b>2020</b> , 14, 5471-5479	2.5	2
1313	Proficient operation of grid interfaced solar PV system for power quality improvement during adverse grid conditions. <i>IET Generation, Transmission and Distribution</i> , <b>2020</b> , 14, 6330-6337	2.5	2
1312	Robust MMSOGI-FLL control algorithm for power quality improvement of solar PV-SyRG pico hydro-BES based islanded microgrid with dynamic load. <i>IET Power Electronics</i> , <b>2020</b> , 13, 2874-2884	2.2	3
1311	Efficient solar-powered water pump with single-input dual-output DCDC converter employing four-phase SRM drive. <i>IET Power Electronics</i> , <b>2020</b> , 13, 3435-3444	2.2	2
1310	Multi-objective control and operation of grid-connected small hydro-solar PV-battery energy storage-based distributed generation. <i>IET Renewable Power Generation</i> , <b>2020</b> , 14, 3259-3272	2.9	3
1309	State-of-the-art and comprehensive study of renewable energy sources based microgrid with single-phase self-excited induction generator. <i>IET Renewable Power Generation</i> , <b>2020</b> , 14, 3699-3714	2.9	3

1308	A Multiobjective GI-Based Control for Effective Operation of PV Pumping System Under Abnormal Grid Conditions. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 6880-6891	11.9	6
1307	. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2020</b> , 8, 2989-3000	5.6	7
1306	. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 787-799	4.3	13
1305	Utility Grid Interfaced Solar WPS Using PMSM Drive With Improved Power Quality Performance for Operation Under Abnormal Grid Conditions. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 1052-1061	4.3	7
1304	Improved power quality converter for three-phase grid-interfaced PV array fed reduced current sensor-based induction motor drive for water pumping. <i>International Transactions on Electrical Energy Systems</i> , <b>2020</b> , 30, e12304	2.2	3
1303	A PFC Based EV Battery Charger Using a Bridgeless Isolated SEPIC Converter. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 477-487	4.3	16
1302	Reactive Power Based MRAS for Speed Estimation of Solar Fed Induction Motor With Improved Feedback Linearization for Water Pumping. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 4714-4725	11.9	15
1301	Improved Widrow-Hoff Based Adaptive Control of Multiobjective PV-DSTATCOM System. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 1930-1939	4.3	10
1300	Self-Synchronizing VSM With Seamless Operation During Unintentional Islanding Events. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 5680-5690	11.9	3
1299	Investigations on Open-Circuit Faults of Zigzag Autoconfigured Transformer-Based 12-Pulse Rectifier. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 1599-1608	4.3	1
1298	Frequency Adaptive Circle Tracing Observer-Based Control Algorithm for Ride-Through Operation of Grid-Connected SECS. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 6216-6228	4.3	
1297	An improved power quality modified DC-DC converter fed PMBLDC motor drive system for household applications. <i>International Transactions on Electrical Energy Systems</i> , <b>2020</b> , 31, e12620	2.2	0
1296	CC-ROGI-FLL based control for grid-tied photovoltaic system at abnormal grid conditions. <i>IET Generation, Transmission and Distribution</i> , <b>2020</b> , 14, 3400-3411	2.5	2
1295	Improving power quality of single phase utility grid connected to windPV system using multilayer-frequency adaptive fundamental signal extractor. <i>IET Renewable Power Generation</i> , <b>2020</b> , 14, 2126-2134	2.9	1
1294	Low-voltage ride-through operation of grid interfaced solar PV system enabling harmonic compensation capabilities. <i>IET Renewable Power Generation</i> , <b>2020</b> , 14, 2100-2113	2.9	11
1293	Consensus Algorithm based Two-Level Control Design for a DC Microgrid <b>2020</b> ,		2
1292	Predictive Speed Estimation for Encoderless Control of an Induction Motor Fed by Delta Sigma Modulated Matrix Converter. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 6477-6485	4.3	2
1291	Modified neural network algorithm-based control scheme of grid connected solar photovoltaic systems. <i>International Transactions on Electrical Energy Systems</i> , <b>2020</b> , 31, e12547	2.2	0

1290	Leakage current alleviation in solar energy conversion system enabling power quality improvement. <i>IET Renewable Power Generation</i> , <b>2020</b> , 14, 1618-1630	2.9	3
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1287	Double Stage Grid-Tied Solar PV System Using HC-LMS Control <b>2020</b> ,		4
1286	. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 5396-5407	4.3	5
1285	Predictive Torque Control of Induction Motor for Electric Vehicle <b>2020</b> ,		2
1284	A Power Factor Corrected Resonant EV Charger Using Reduced Sensor Based Bridgeless Boost PFC Converter <b>2020</b> ,		2
1283	Control of Solar PV and WEGS Powered EV Charging Station <b>2020</b> ,		1
1282	An Improved Power Factor Luo Converter based Battery Charger for Electric Vehicle <b>2020</b> ,		1
1281	Modified generalised integrator based control strategy for solar PV fed UPQC enabling power quality improvement. <i>IET Generation, Transmission and Distribution</i> , <b>2020</b> , 14, 3127-3138	2.5	7
1280	Design and Analysis of Halbach Array Assisted PM Brushless DC Motor for Ceiling Fan <b>2020</b> ,		1
1279	Hybrid DSC with Compensation Capability Based Control for Grid Integrated SPV System <b>2020</b> ,		2
1278	Natural Genetics Adapted Control for an Autonomous Wind-Battery Based Microgrid. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 7156-7165	4.3	4
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1271	PFC-SEPIC converter-fed half-bridge LLC resonant converter for e-bike charging applications. <i>IET Electrical Systems in Transportation</i> , <b>2020</b> , 10, 225-233	2.1	4
1270	PCC Voltage Quality Restoration Strategy of an Isolated Microgrid Based on Adjustable Step Adaptive Control. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 6206-6215	4.3	7
1269	Adaptive PR and BBO Based Control Strategy of Wind-Solar Integrated Standalone Microgrid for Residential Application <b>2020</b> ,		1
1268	An 18-Pulse Converter and 4-Level Cascaded Inverter Based Induction Motor Drive <b>2020</b> ,		1
1267	An Approach for Enhanced Range With Regenerative Braking in Solar PV-Battery Based E-Rickshaw using Sensorless BLDC Motor Drive <b>2020</b> ,		2
1266	A Multifunctional Solar PV-SyRG Based Hydr Generation Utility Interactive Microgrid <b>2020</b> ,		1
1265	Control of Renewable Energy Integrated EV Charging Station with Seamless Connection to Grid and DG Set <b>2020</b> ,		2
1264	DSVM based Predictive Torque Control of Induction motor for EV <b>2020</b> ,		1
1263	Kalman Filtering Technique for Rooftop-PV System Under Abnormal Grid Conditions. <i>IEEE Transactions on Sustainable Energy</i> , <b>2020</b> , 11, 282-293	8.2	9
1262	Grid Interactive Single-Stage Solar Powered Water Pumping System Utilizing Improved Control Technique. <i>IEEE Transactions on Sustainable Energy</i> , <b>2020</b> , 11, 304-314	8.2	17
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1259	Weak Grid Intertie WEGS With Hybrid Generalized Integrator for Power Quality Improvement. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 1113-1123	8.9	20
1258	Adaptive Observer Based Control for Rooftop Solar PV System. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 9402-9415	7.2	13
1257	Solar PV Energy Generation System Interfaced to Three Phase Grid With Improved Power Quality. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 3798-3808	8.9	20
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1247	Reduced Sensor-Based PMSM Driven Autonomous Solar Water Pumping System. <i>IEEE Transactions on Sustainable Energy</i> , <b>2020</b> , 11, 1323-1331	8.2	15
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1241	Improved Reweighted Zero-Attracting Quaternion-Valued LMS Algorithm for Islanded Distributed Generation System at IM Load. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 3705-3716	8.9	7
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1239	ROGI with FsLMS Based Control Technique for Solar PV System under Weak Grid <b>2019</b> ,		1
1238	Modified amplitude adaptive control algorithm for power quality improvement in multiple distributed generation system. <i>IET Power Electronics</i> , <b>2019</b> , 12, 2321-2329	2.2	11
1237	Analysis of an Electromagnetic Railgun with Tapered Rails and Concave Armature using 3-D FEM <b>2019</b> ,		2



1236	Sensorless Field Oriented ISMCC For Solar PV Based Induction Motor Drive For Water Pumping <b>2019</b> ,		1
1235	Hammerstein Adaptive Filter Based Control Technique for Optimum Operation of a Grid Interfaced PV System <b>2019</b> ,		2
1234	Effective Wind Energy Extraction Using a Modified Robust Predictive Control in Grid Tied WECS <b>2019</b> ,		1
1233	Second-order sequence filter based control algorithm for single-phase grid interfaced solar PV system. <i>IET Generation, Transmission and Distribution</i> , <b>2019</b> , 13, 2382-2390	2.5	2
1232	An Approach to Design of Energy Efficient Single Phase Induction Motor for Ceiling Fans <b>2019</b> ,		13
1231	UPF-isolated zeta converter-based battery charger for electric vehicle. <i>IET Electrical Systems in Transportation</i> , <b>2019</b> , 9, 103-112	2.1	10
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1227	Control of Variable Speed WECS-PV-BES Based Microgrid with Grid Synchronization <b>2019</b> ,		1
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1216	Implementation of Solar Photovoltaic System With Universal Active Filtering Capability. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 3926-3934	4.3	15
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1199	Design and Development of Modified BL Luo Converter for PQ Improvement in EV Charger <b>2019</b> ,		3
1198	An Intelligent Grid Integrated Solar PV Array Fed RSM Drive Based Water Pumping System <b>2019</b> ,		2
1197	A Power-Factor-Corrected LLC Resonant Converter for Electric Vehicle Charger Using Cuk Converter. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 6278-6286	4.3	23
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1195	A 40-Pulse Multiphase Staggering Modular Transformer With Power Quality Improvement in Multilevel Inverter Fed Medium-Voltage Induction Motor Drives. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 7822-7832	4.3	9
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1192	An Implementation of Renewable Energy Based Grid Interactive Charging Station <b>2019</b> ,		6
1191	A G2V/V2G Off-Board Fast Charger for Charging of Lithium-ion Based Electric Vehicles <b>2019</b> ,		3
1190	Continuous Control Set Model Predictive Controller for PMSM Driven Solar PV Water Pumping System <b>2019</b> ,		1
1189	Intelligent Nonlinear Sensorless Predictive Field Oriented Control of PMSM Drive for Three Wheeler Hybrid Solar PV-Battery Electric Vehicle <b>2019</b> ,		3
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1186	Peak Current Detection Starting based Position Sensorless Control of BLDC Motor Drive for PV Array Fed Irrigation Pump <b>2019</b> ,		1
1185	High Gain Single Ended Primary Inductor Converter With Ripple Free Input Current for Solar Powered Water Pumping System Utilizing Cost-Effective Maximum Power Point Tracking Technique. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 6332-6343	4.3	8
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1168	Power Quality Enhancement at PCC of an Isolated Wind-BES Microgrid Using Improved Filtered X-Adaptive Control <b>2019</b> ,		2
1167	Robust Frequency Cascaded Adaptive Complex Filter Control for Grid Interactive PV System <b>2019</b> ,		1
1166	Dynamic Current Tracking for an On-board Bi-directional EV Charger with G2V and V2G Modes of Operation <b>2019</b> ,		1
1165	A Bridgeless Isolated Half Bridge Converter Based EV Charger with Power Factor Pre-regulation <b>2019</b> ,		1

1164	Neural network-based quickprop control algorithm for grid connected solar PV-DSTATCOM system. <i>IET Renewable Power Generation</i> , <b>2019</b> , 13, 2522-2530	2.9	2
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1162	Predictive Based Control Algorithm for Hybrid Diesel-Battery Standalone Power Generation System <b>2019</b> ,		1
1161	Implementation of Two-Level Control Coordinate for Seamless Transfer in Standalone Microgrid <b>2019</b> ,		2
1160	An Efficient Power Management Control Technique for Battery Supported Solar Powered Water Pump Using Positive Output Luo Converter <b>2019</b> ,		2
1159	Delayed $\mu$ -Law Proportionate Adaptive Filter Based Control Approach for Weak Distribution Grid <b>2019</b> ,		1
1158	Resonant LLC Converter For E-bike Charger <b>2019</b> ,		1
1157	Power Factor Pre-regulation in Interleaved Luo Converter Fed Electric Vehicle Battery Charger <b>2019</b> ,		2
1156	EV battery charger with non-inverting output voltage-based bridgeless PFC Cuk converter. <i>IET Power Electronics</i> , <b>2019</b> , 12, 3359-3368	2.2	6
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1154	A Modified Luo Converter-Based Electric Vehicle Battery Charger With Power Quality Improvement. <i>IEEE Transactions on Transportation Electrification</i> , <b>2019</b> , 5, 1087-1096	7.6	12
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1152	Grid Synchronization of WEC-PV-BES Based Distributed Generation System using Robust Control Strategy <b>2019</b> ,		2
1151	An Improved SEPIC PFC Converter for Electric Vehicle Battery Charger <b>2019</b> ,		5
1150	Improved power quality charging scheme for heavy-duty vehicle battery swapping stations. <i>IET Power Electronics</i> , <b>2019</b> , 12, 3422-3437	2.2	4
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1148	Flexible Control for PV Integrated Battery Energy Storage System <b>2019</b> ,		1
1147	A Multifunctional Reduced Sensor Control for Grid-Interfaced Dual VSC Based Doubly Fed Induction Generator <b>2019</b> ,		1

1146	Control and Implementation of Renewable Energy Based Smart Charging Station Beneficial for EVs, Home and Grid <b>2019</b> ,		3
1145	Adaptive Damped Circular Current Limit Control for PV-Grid Tied System <b>2019</b> ,		2
1144	Robust Control for Islanded and Seamless Mode Switching of Wind-PV-Grid Tied Generation System <b>2019</b> ,		1
1143	Neural Network Based Control Algorithm for Solar PV Interfaced System <b>2019</b> ,		2
1142	Power Quality Improvement in PMSG Based Hydro-BES System Operating in Isolated Remote Areas Using CF-FLL Control <b>2019</b> ,		4
1141	Multifunctional Grid-Tied PV System Using Modified KLMS Control <b>2019</b> ,		3
1140	Frequency Adaptive Prefiltering Stage for Differentiation-Based Control of Shunt Active Filter Under Polluted Grid Conditions. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 882-891	4.3	7
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1125	A HTF-Based Higher-Order Adaptive Control of Single-Stage Grid-Interfaced PV System. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 1873-1881	4.3	5
1124	. <i>IEEE Transactions on Sustainable Energy</i> , <b>2019</b> , 10, 1950-1959	8.2	7
1123	A Quadrature Oscillator-Based DT for Accurate Estimation of Fundamental Load Current for PV System in Distribution Network. <i>IEEE Transactions on Industrial Informatics</i> , <b>2019</b> , 15, 3324-3333	11.9	14
1122	. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 1863-1872	4.3	13
1121	Reduced Current Sensor Based Solar PV Fed Motion Sensorless Induction Motor Drive for Water Pumping. <i>IEEE Transactions on Industrial Informatics</i> , <b>2019</b> , 15, 3973-3986	11.9	14
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1119	Finite state machine control and power quality enhancement using Goertzel filter for multifunctional battery energy storage system. <i>IET Generation, Transmission and Distribution</i> , <b>2019</b> , 13, 2145-2153	2.5	3
1118	A Highly Efficient Coupled-Inductor SEPIC Topology Based PFC DCDC Converter for Low Power LED Lighting Systems. <i>IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)</i> , <b>2019</b> , 36, 94-105	1.5	1
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1116	Modified Dual Output Cuk Converter-Fed Switched Reluctance Motor Drive With Power Factor Correction. <i>IEEE Transactions on Power Electronics</i> , <b>2019</b> , 34, 624-635	7.2	19
1115	A Multiple Improved Notch Filter-Based Control for a Single-Stage PV System Tied to a Weak Grid. <i>IEEE Transactions on Sustainable Energy</i> , <b>2019</b> , 10, 238-247	8.2	17
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1110	. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 3575-3585	4.3	33
1109	Solar powered sensorless induction motor drive with improved efficiency for water pumping. <i>IET Power Electronics</i> , <b>2018</b> , 11, 416-426	2.2	17
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1106	Standalone Photovoltaic Water Pumping System Using Induction Motor Drive With Reduced Sensors. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 3645-3655	4.3	42
1105	Fault Investigations on Die-Cast Copper Rotors. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 184-194	4.3	2
1104	Self-Adaptive Incremental Conductance Algorithm for Swift and Ripple-Free Maximum Power Harvesting From PV Array. <i>IEEE Transactions on Industrial Informatics</i> , <b>2018</b> , 14, 2031-2041	11.9	59
1103	ISOGI-Q Based Control Algorithm for a Single Stage Grid Tied SPV System. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 1136-1145	4.3	16
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1101	Hybrid VSS-MS-MF based adaptive control of SPV-DSTATCOM system under distorted grid conditions. <i>IET Renewable Power Generation</i> , <b>2018</b> , 12, 311-322	2.9	17
1100	Implementation of a Grid-Integrated PV-Battery System for Residential and Electrical Vehicle Applications. <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 6592-6601	8.9	76
1099	PFC-based half-bridge dual-output converter-fed four-phase SRM drive. <i>IET Electric Power Applications</i> , <b>2018</b> , 12, 281-291	1.8	8
1098	. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 2438-2448	4.3	15
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1096	. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 2041-2050	4.3	51
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1094	. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 1119-1127	4.3	24
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1091	Harmonics and Reactive Current Detection of a Grid-Interfaced PV Generation in a Distribution System. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 4786-4794	4.3	16
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1089	Single-Phase Single-Stage Grid Tied Solar PV System with Active Power Filtering Using Power Balance Theory. <i>Journal of the Institution of Engineers (India): Series B</i> , <b>2018</b> , 99, 301-311	0.9	1
1088	Quick and oscillation free peak power estimation using SEHC algorithm for single-sensor-based PV-fed battery charging. <i>IET Renewable Power Generation</i> , <b>2018</b> , 12, 207-218	2.9	3
1087	Real-time implementation of optimal operation of single-stage grid interfaced PV system under weak grid conditions. <i>IET Generation, Transmission and Distribution</i> , <b>2018</b> , 12, 1631-1643	2.5	7
1086	Power management in PV-battery-hydro based standalone microgrid. <i>IET Renewable Power Generation</i> , <b>2018</b> , 12, 391-398	2.9	42
1085	Fuzzy Logic Based FOGI-FLL Algorithm for Optimal Operation of Single-Stage Three-Phase Grid Interfaced Multifunctional SECS. <i>IEEE Transactions on Industrial Informatics</i> , <b>2018</b> , 14, 3334-3346	11.9	21
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1077	Power Factor Correction in CukSEPIC-Based Dual-Output-Converter-Fed SRM Drive. <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 1117-1127	8.9	25
1076	An Improved Adjustable Step Adaptive Neuron-Based Control Approach for the Grid-Supportive SPV System. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 563-570	4.3	8
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1068	Power Quality Improvement in Utility Interactive Based AC/DC Converter Using Harmonic Current Injection Technique. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 5355-5366	4.3	3
1067	Power quality improvement using DSTATCOM with affine projection algorithm. <i>IET Generation, Transmission and Distribution</i> , <b>2018</b> , 12, 3261-3269	2.5	8
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1065	Grid synchronization control for an autonomous PV-wind-battery based microgrid <b>2018</b> ,		1
1064	<b>2018</b> ,		2
1063	SRM driven solar irrigation pumping system utilizing modified dual output SEPIC converter <b>2018</b> ,		1
1062	Control of vehicle-to-home operation of electric vehicle with seamless transition capabilities <b>2018</b> ,		1
1061	Discrete noise-eliminating second order generalized integrator based control strategy applied to grid-integrated solar PV synchronization converter <b>2018</b> ,		3
1060	A unity power factor converter with isolation for electric vehicle battery charger <b>2018</b> ,		5
1059	Seamless operation and control of hybrid PV-BES-utility synchronized system <b>2018</b> ,		4
1058	A bridgeless boost PFC converter fed LED driver for high power factor and low THD <b>2018</b> ,		3
1057	Implementation of recurrent neurocontrol algorithm for two stage solar energy conversion system <b>2018</b> ,		3

1056	Simulation and hardware implementation of PMSM driven solar water pumping system <b>2018</b> ,		2
1055	Control and operation of a solar PV-battery-grid-tied system in fixed and variable power mode. <i>IET Generation, Transmission and Distribution</i> , <b>2018</b> , 12, 2633-2641	2.5	25
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1051	Linear quadratic estimation control for single stage PV system integrated to single phase utility <b>2018</b> ,		2
1050	Dual mode operational control of single stage PV-battery based microgrid <b>2018</b> ,		4
1049	A single phase double stage grid interfaced photovoltaic system based on improved least mean square algorithm <b>2018</b> ,		2
1048	Direct torque controlled synchronous reluctance motor drive for PV array fed water pumping <b>2018</b> ,		4
1047	Standalone and grid connected operations of a SynRG based WECS with BESS <b>2018</b> ,		2
1046	An approach to minimize the VA size of UPQC-S and its performance comparison <b>2018</b> ,		4
1045	Partially Decoupled Adaptive Filter Based Multifunctional Three-Phase GPV System. <i>IEEE Transactions on Sustainable Energy</i> , <b>2018</b> , 9, 311-320	8.2	12
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1043	PMBLDCG based stand-alone wind energy conversion system for small scale applications. <i>International Journal of Engineering, Science and Technology</i> , <b>2018</b> , 4, 65-73	1.4	8
1042	PFC based bridgeless Cuk converter for SRM drive <b>2018</b> ,		3
1041	Implementation of Multilayer Fifth-Order Generalized Integrator-Based Adaptive Control for Grid-Tied Solar PV Energy Conversion System. <i>IEEE Transactions on Industrial Informatics</i> , <b>2018</b> , 14, 2857-2868	11.9	42
1040	Seamless Transfer of Renewable-Based Microgrid Between Utility Grid and Diesel Generator. <i>IEEE Transactions on Power Electronics</i> , <b>2018</b> , 33, 8427-8437	7.2	42
1039	Robust Position Sensorless Technique for a PMBLDC Motor. <i>IEEE Transactions on Power Electronics</i> , <b>2018</b> , 33, 6936-6945	7.2	18

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1037	Framework of Maximum Power Extraction From Solar PV Panel Using Self Predictive Perturb and Observe Algorithm. <i>IEEE Transactions on Sustainable Energy</i> , <b>2018</b> , 9, 895-903	8.2	54
1036	Unity Power Factor Operated PFC Converter Based Power Supply for Computers. <i>Journal of the Institution of Engineers (India): Series B</i> , <b>2018</b> , 99, 49-60	0.9	2
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1034	Interleaved Landsman Converter Fed EV Battery Charger with Power Factor Correction <b>2018</b> ,		4
1033	An Efficient Solar Energized Water Pump Using High Gain Boost Converter <b>2018</b> ,		1
1032	A 36-Pulse AC-DC Converter With DC Side Tapped Interphase Bridge Rectifier for Power Quality Improvement <b>2018</b> ,		2
1031	Power Quality Improvement of Single Phase Grid Connected Hybrid Solar PV and Wind System <b>2018</b> ,		2
1030	Investigations on Single-Phasing Effect of Zigzag Autoconfigured Transformer Based 12-Pulse Rectifier <b>2018</b> ,		2
1029	Sensorless Vector Controlled Induction Motor Drive for Medium Power Applications <b>2018</b> ,		2
1028	Real Time Implementation of CLMS Algorithm in 3P4W Solar PV-BES Based Microgrid System <b>2018</b> ,		1
1027	A Power Quality Improved EV Charger with Bridgeless Cuk Converter <b>2018</b> ,		2
1026	Voltage and Frequency Controller with Power Quality Improvement for PMSG Based Pico-Hydro System <b>2018</b> ,		3
1025	A Power Factor Corrected LLC Resonant Converter for Electric Vehicle Charger Using Cuk Converter <b>2018</b> ,		2
1024	Expert Fuzzy Logic Framework for Remotely Located Solar PV-Wind-BES Microgrid <b>2018</b> ,		1
1023	Solar PV Array-WECS Based Integrated EV Charging System with Dual Mode of Operation <b>2018</b> ,		3
1022	Modified Notch Filter Based Control for Wind Energy Generation System Integrated to Single-Phase Weak Grid <b>2018</b> ,		1
1021	Design and Analysis of Grid-Interactive DFIG Based WECS for Regulated Power Flow <b>2018</b> ,		1



1020	Solar PV - BES Based Microgrid System with Multifunctional VSC <b>2018,</b>	3
1019	SyRG-PV-BES Based Standalone Microgrid Using Approximate Multipliers Based Adaptive Control <b>2018,</b>	1
1018	Improved Widrow-Hoff Based Adaptive Control of Multi-Objective PV-DSTATCOM System <b>2018,</b>	3
1017	Improved Sliding Mode Observer based Position Sensorless Finite Control Set-Model Predictive Control of PMSM Drive for Electric Vehicle <b>2018,</b>	4
1016	An Intelligent Control for Synchronous Generator Based Wind-PV-Battery Microgrid System <b>2018,</b>	1
1015	An Asymmetric Seven Level Multilevel Converter for Grid Integrated Systems <b>2018,</b>	1
1014	Stage Solar PV Powered Water Pump with a Storage System <b>2018,</b>	4
1013	Design and Modeling of High gain DC-DC Converter in Mixed Signal Domain Control for PV based Microgrid Application <b>2018,</b>	1
1012	Design and Development of High Efficiency Induction Motor for PV Array Fed Water Pumping <b>2018,</b>	1
1011	Implementation of Solar PV-Battery and Diesel Generator Based Electric Vehicle Charging Station <b>2018,</b>	5
1010	An Electric Vehicle Battery Charger with Interleaved PFC Cuk Converter <b>2018,</b>	1
1009	Utility Grid Interfaced Solar Water Pumping System Using PMSM Drive <b>2018,</b>	1
1008	A Microgrid Based on Wind Driven DFIG, DG and Solar PV Array for Optimal Fuel Consumption <b>2018</b> ,	1
1007	Discrete Linear Phase Based MAF Control for Grid Tied Solar PV System <b>2018,</b>	1
1006	Predictive Optimal Switching Vector Controller based Microgrid Enabling Switching Frequency Constraint <b>2018,</b>	1
1005	Amplitude Adaptive Filter Based Control for Grid Tied Multifunctional Solar Energy Conversion System <b>2018,</b>	1
1004	AFLL Based Control Technique for Grid Interfaced Three Phase PV System <b>2018,</b>	2
1003	Distributed Control Framework for Autonomous Seamless Operation of Electronically Interfaced Distributed Generators in AC Microgrid <b>2018,</b>	1

1002	Isolated Cuk Converter with Two Symmetrical Output voltages For SRM Drive <b>2018,</b>	5
1001	A Novel Control Scheme for Wind Driven DFIG Interfaced with Utility Grid <b>2018,</b>	1
1000	Frequency Adaptive Circle Tracing Observer-Based Control Algorithm for Grid-Connected SECS <b>2018,</b>	1
999	Voltage and Frequency Control with Load Levelling of PMSG Based Small-Hydro System <b>2018,</b>	1
998	Nonadaptive CDSC Based Control of a Single Phase PV System Tied to Distribution Grid <b>2018,</b>	2
997	Single-Phase Grid Interfaced Hybrid Solar PV and Wind System using STF-FLL for Power Quality Improvement <b>2018,</b>	2
996	Power Quality Improvement in Single Phase Five Level Cascaded Grid Interfaced Systems <b>2018,</b>	2
995	Natural Genetics Adapted Control for an Autonomous Wind-Battery Based Microgrid <b>2018,</b>	2
994	Grid-PV Array Fed Induction Motor Drive for Water Pumping <b>2018,</b>	1
993	Performance Evaluation of Islanded and Grid Connected Operation of Solar PV-Battery Based Universal Active Power Filter <b>2018,</b>	2
992	SyRG-PV-Battery Based Standalone Microgrid with D-EPLL Based VSC Control Algorithm <b>2018,</b>	1
991	A Robust CIM Based Control Approach for PVECS Interfaced To Local Distribution Network <b>2018,</b>	1
990	Load Profile of Telecom Towers and Potential Renewable Energy Power Supply Configurations <b>2018,</b>	3
989	Modeling and Estimation of Remaining Useful Life of Single cell Li-Ion battery <b>2018,</b>	4
988	Performance Improvement of Switched Reluctance Motor Drive for Light Electric Vehicle Using Fuzzy Logic Controller <b>2018,</b>	1
987	Self-Adjustable Step Based Control Algorithm for Multifunctional PV System under Sag-Swell Conditions <b>2018,</b>	1
986	A Maximum Correntropy Criteria Based Adaptive Algorithm for an Improved Power Quality SPV System <b>2018,</b>	8
985	<b>2018,</b>	1

984	Power Management and Control of PMSG Based Hydro-PV-BES Using CSTOGI Control Algorithm for Autonomous Micro-Grid <b>2018</b> ,		3
983	Modified Gradient Spectral Variance Smoothing Adaptive Filter Control for Grid Connected PV System <b>2018</b> ,		1
982	Variable Step HCS Based Sensorless Control of Wind Driven DFIG for Autonomous Operation <b>2018</b> ,		1
981	Single-Phase Grid Interfaced WEGS using Frequency Adaptive Notch Filter for Power Quality Improvement <b>2018</b> ,		2
980	A Normalized Adaptive Filter for Enhanced Optimal Operation of Grid Interfaced PV System <b>2018</b> ,		1
979	Implementation of a Modified Distributed Normalized Least Mean Square Control for a Multi-Objective Single Stage SECS <b>2018</b> ,		2
978	Modified SEPIC Converter Utilizing an Improved P&O Algorithm for Design of Low Cost and Efficient Solar Energized Water Pump <b>2018</b> ,		2
977	Design and Control of Solar PV-Pico Hydro Based Microgrid <b>2018</b> ,		2
976	Power Quality Improvement in Single Phase Solar PV-APF Grid Tied System Using Robust Least-Mixed-Norm (RLMN) Algorithm <b>2018</b> ,		1
975	PV-Hydro-Battery Based Standalone Microgrid for Rural Electrification <b>2018</b> ,		1
974	A Robust SMOC for Vector Controlled PMSG based Isolated Wind Energy Generating System <b>2018</b> ,		1
973	A Solar PV, BES, Grid and DG Set Based Hybrid Charging Station for Uninterruptible Charging at Minimized Charging Cost <b>2018</b> ,		7
972	Control of Grid Fed PV Generation using IIR Peak Filter in Distribution System <b>2018</b> ,		1
971	Multi-pulse ACDC converter fed SVM controlled NPC inverter based VCIMD. <i>IET Power Electronics</i> , <b>2018</b> , 11, 2204-2214	2.2	7
970	Application of voltage multiplier in 12-pulse rectifier for sinusoidal input current. <i>Electronics Letters</i> , <b>2018</b> , 54, 1266-1268	1.1	1
969	Power Factor Correction in Isolated SEPIC Converter Fed SRM Drive <b>2018</b> ,		2
968	A PV-Grid Fed DTC Based Induction Motor Drive for Water Pumping <b>2018</b> ,		1
967	An Improved Battery Charger for Electric Vehicle with High Power Factor <b>2018</b> ,		7

966	Energy Management Strategy of Solar PV-Battery and Diesel Generator Based Electric Vehicle Charging Station <b>2018</b> ,		5
965	Modified Reduced Switch Converter for Grid Interfaced Systems <b>2018</b> ,		4
964	Unified Power Quality Conditioner Analysis Design and Control <b>2018</b> ,		6
963	LCO-FLL control for single-phase utility integrated single-stage solar PV system. <i>IET Renewable Power Generation</i> , <b>2018</b> , 12, 1941-1948	2.9	4
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960	Maximum power point tracking technique using artificial bee colony and hill climbing algorithms during mismatch insolation conditions on PV array. <i>IET Renewable Power Generation</i> , <b>2018</b> , 12, 1915-1922	2.9	19
959	Design of solar-powered agriculture pump using new configuration of dual-output buckBoost converter. <i>IET Renewable Power Generation</i> , <b>2018</b> , 12, 1640-1650	2.9	15
958	An Implementation of Solar PV Array Based Multifunctional EV Charger <b>2018</b> ,		4
957	A PV Array Fed BESS Supported Speed Sensor-less PMSM Driven Water Pumping System <b>2018</b> ,		5
956	Design and control of a DSTATCOM for power quality improvement using cross correlation function approach. <i>International Journal of Engineering, Science and Technology</i> , <b>2018</b> , 4, 74-86	1.4	16
955	A Digital Disturbance Estimator (DDE) for Multiobjective Grid Connected Solar PV Based Distributed Generating System. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 5318-5330	4.3	14
954	Constant Switching Frequency DTC for Matrix Converter Fed Speed Sensorless Induction Motor Drive. <i>Journal of the Institution of Engineers (India): Series B</i> , <b>2018</b> , 99, 527-535	0.9	0
953	Implementation of grid interfaced photovoltaic system with active power filter capabilities. <i>International Transactions on Electrical Energy Systems</i> , <b>2018</b> , 28, e2616	2.2	12
952	. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 4494-4505	4.3	6
951	Implementation of solar photovoltaic system with universal active filtering capability <b>2018</b> ,		2
950	Flux optimization of PV fed induction motor drive with ANN based current control for water pumping <b>2018</b> ,		2
949	Grid-Interfaced DFIG-Based Variable Speed Wind Energy Conversion System With Power Smoothing. <i>IEEE Transactions on Sustainable Energy</i> , <b>2017</b> , 8, 51-58	8.2	61

948	Dual-Tree Complex Wavelet Transform-Based Control Algorithm for Power Quality Improvement in a Distribution System. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 764-772	8.9	32
947	Better Control for a Solar Energy System: Using Improved Enhanced Phase-Locked Loop-Based Control Under Variable Solar Intensity. <i>IEEE Industry Applications Magazine</i> , <b>2017</b> , 23, 24-36	0.6	23
946	. <i>IEEE Industry Applications Magazine</i> , <b>2017</b> , 23, 37-50	0.6	9
945	A Polynomial Current Controller for a Third-Harmonic Modulated Power Factor Correction Rectifier Feeding a Vector Controlled Induction Motor Drive. <i>Electric Power Components and Systems</i> , <b>2017</b> , 45, 184-197	1	3
944	MPPT in Dynamic Condition of Partially Shaded PV System by Using WODE Technique. <i>IEEE Transactions on Sustainable Energy</i> , <b>2017</b> , 8, 1204-1214	8.2	85
943	Single Sensor-Based MPPT of Partially Shaded PV System for Battery Charging by Using Cauchy and Gaussian Sine Cosine Optimization. <i>IEEE Transactions on Energy Conversion</i> , <b>2017</b> , 32, 983-992	5.4	75
942	. <i>IEEE Transactions on Industry Applications</i> , <b>2017</b> , 53, 1780-1788	4.3	60
941	Implementation of Echo-State Network-Based Control for Power Quality Improvement. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 5576-5584	8.9	29
940	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2017</b> , 13, 1714-1722	11.9	30
939	Adaptive neuron detection-based control of single-phase SPV grid integrated system with active filtering. <i>IET Power Electronics</i> , <b>2017</b> , 10, 657-666	2.2	9
938	Rapid MPPT for Uniformly and Partial Shaded PV System by Using JayaDE Algorithm in Highly Fluctuating Atmospheric Conditions. <i>IEEE Transactions on Industrial Informatics</i> , <b>2017</b> , 13, 2406-2416	11.9	86
937	Peak power detection of PS solar PV panel by using WPSCO. <i>IET Renewable Power Generation</i> , <b>2017</b> , 11, 480-489	2.9	24
936	Single-phase solar PV system with battery and exchange of power in grid-connected and standalone modes. <i>IET Renewable Power Generation</i> , <b>2017</b> , 11, 325-333	2.9	27
935	Single Stage Solar PV Fed Brushless DC Motor Driven Water Pump. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2017</b> , 5, 1377-1385	5.6	63
934	Control of distributed static compensator using extended structure-enhanced phase-locked loopBased algorithm under nonideal AC mains. <i>International Transactions on Electrical Energy Systems</i> , <b>2017</b> , 27, e2354	2.2	2
933	. <i>IEEE Transactions on Industry Applications</i> , <b>2017</b> , 53, 2392-2400	4.3	7
932	Implementation of High-Precision Quadrature Control for Single-Stage SECS. <i>IEEE Transactions on Industrial Informatics</i> , <b>2017</b> , 13, 2726-2734	11.9	19
931	Intelligent grid interfaced solar water pumping system. <i>IET Renewable Power Generation</i> , <b>2017</b> , 11, 614-624	2.9	28

930	Grid integration of single stage SPV-STATCOM using cascaded 7-level VSC. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2017</b> , 93, 238-252	5.1	11
929	Modified pq-Theory-Based Control of Solar-PV-Integrated UPQC-S. <i>IEEE Transactions on Industry Applications</i> , <b>2017</b> , 53, 5031-5040	4.3	45
928	Bridgeless canonical switching cell based PFC converter for high power LED driver. <i>EPE Journal (European Power Electronics and Drives Journal)</i> , <b>2017</b> , 27, 24-34	0.4	3
927	A Sustainable Solar Photovoltaic Energy System Interfaced with Grid-Tied Voltage Source Converter for Power Quality Improvement. <i>Electric Power Components and Systems</i> , <b>2017</b> , 45, 171-183	1	14
926	. <i>IEEE Transactions on Industry Applications</i> , <b>2017</b> , 53, 1552-1561	4.3	10
925	AVSF-based control algorithm of DSTATCOM for distribution system. <i>IET Generation, Transmission and Distribution</i> , <b>2017</b> , 11, 3389-3396	2.5	11
924	Slide mode control of microgrid using small hydro driven single-phase SEIG integrated with solar PV array. <i>IET Renewable Power Generation</i> , <b>2017</b> , 11, 1464-1472	2.9	19
923	. <i>IEEE Transactions on Industry Applications</i> , <b>2017</b> , 53, 5634-5644	4.3	23
922	Power quality improvement in single phase grid tied solar PV-APF based system using improved LTI-EPLL based control algorithm <b>2017</b> ,		2
921	Single-phase grid interactive solar PV system having active shunt capabilities <b>2017</b> ,		1
920	Vienna converter fed two stage grid connected photovoltaic pumping system <b>2017</b> ,		1
919	Three phase off-board bi-directional charger for EV with V2G functionality <b>2017</b> ,		4
918	Control of solar energy integrated active power filter in weak grid system <b>2017</b> ,		4
917	Multi-objective reconfigurable three phase off-board charger for EV <b>2017</b> ,		9
916	Real-time implementation of three-phase single-stage SPV grid-tied system using TL-VSC. <i>IET Renewable Power Generation</i> , <b>2017</b> , 11, 1576-1583	2.9	5
915	Bridgeless ZETA PFC converter for low voltage high current LED driver <b>2017</b> ,		7
914	. <i>IEEE Transactions on Industry Applications</i> , <b>2017</b> , 53, 5615-5623	4.3	30
913	Single sensor based MPPT for partially shaded solar photovoltaic by using human psychology optimisation algorithm. <i>IET Generation, Transmission and Distribution</i> , <b>2017</b> , 11, 2562-2574	2.5	32



912	Predictive torque control of a three-level reduced switch inverter fed induction motor drive <b>2017</b> ,		1
911	Integration of renewable energy with storage system to single phase distribution system <b>2017</b> ,		1
910	A synchronous generator based diesel-PV hybri micro-grid with power quality controller <b>2017</b> ,		2
909	Frequency adaptive pre filtering stage for differentiation based control of shunt active filter under polluted grid conditions <b>2017</b> ,		3
908	Performance analysis of proportional resonant and ADALINE-based solar photovoltaic-integrated unified active power filter. <i>IET Renewable Power Generation</i> , <b>2017</b> , 11, 1382-1391	2.9	15
907	Integration of solar photovoltaic with battery to single-phase grid. <i>IET Generation, Transmission and Distribution</i> , <b>2017</b> , 11, 2003-2012	2.5	10
906	Control of SRM drive for photovoltaic powered water pumping system. <i>IET Electric Power Applications</i> , <b>2017</b> , 11, 1055-1066	1.8	18
905	Single-phase solar grid-interfaced system with active filtering using adaptive linear combiner filter-based control scheme. <i>IET Generation, Transmission and Distribution</i> , <b>2017</b> , 11, 1976-1984	2.5	9
904	Maximum Power Peak Detection of Partially Shaded PV Panel by Using Intelligent Monkey King Evolution Algorithm. <i>IEEE Transactions on Industry Applications</i> , <b>2017</b> , 53, 5734-5743	4.3	42
903	An Adaptive Control Scheme of SPV System Integrated to AC Distribution System. <i>IEEE Transactions on Industry Applications</i> , <b>2017</b> , 53, 5173-5181	4.3	8
902	. <i>IEEE Transactions on Industry Applications</i> , <b>2017</b> , 53, 4894-4902	4.3	8
901	Modified VSS-LMS-based adaptive control for improving the performance of a single-stage PV-integrated grid system. <i>IET Science, Measurement and Technology</i> , <b>2017</b> , 11, 388-399	1.5	19
900	High power factor and low total harmonics distortion using critical conduction mode boost converter-fed light-emitting diode driver. <i>International Transactions on Electrical Energy Systems</i> , <b>2017</b> , 27, e2290	2.2	2
899	An Adjustable DC Link Voltage-Based Control of Multifunctional Grid Interfaced Solar PV System. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2017</b> , 5, 651-660	5.6	42
898	Optimization of thermoelectric cooling technology for an active cooling of photovoltaic panel. <i>Renewable and Sustainable Energy Reviews</i> , <b>2017</b> , 75, 1295-1305	16.2	46
897	Implementation of LLMF Control Algorithm for Three-Phase Grid-Tied SPV-DSTATCOM System. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 7414-7424	8.9	31
896	Solar PV powered BLDC motor drive for water pumping using Cuk converter. <i>IET Electric Power Applications</i> , <b>2017</b> , 11, 222-232	1.8	46
895	Improved Power Quality Bridgeless Converter-Based SMPS for Arc Welding. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 275-284	8.9	6

894	Linear coefficient function based control approach for single stage SPV system integrated to three phase distribution system. <i>IET Generation, Transmission and Distribution</i> , <b>2017</b> , 11, 676-684	2.5	8
893	Grid integration of 3P4W solar PV system using M-LWDF-based control technique. <i>IET Renewable Power Generation</i> , <b>2017</b> , 11, 1174-1181	2.9	14
892	Neural Network based Control of SG based Standalone Generating System with Energy Storage for Power Quality Enhancement. <i>Journal of the Institution of Engineers (India): Series B</i> , <b>2017</b> , 98, 405-413	0.9	3
891	Three-phase single-stage grid tied solar PV ECS using PLL-less fast CTF control technique. <i>IET Power Electronics</i> , <b>2017</b> , 10, 178-188	2.2	30
890	Modelling and Simulation of Single-Phase Series Active Compensator for Power Quality Improvement. <i>Journal of the Institution of Engineers (India): Series B</i> , <b>2017</b> , 98, 485-494	0.9	
889	Real-time implementation of SPV system with DSTATCOM capabilities in three-phase four-wire distribution system. <i>IET Generation, Transmission and Distribution</i> , <b>2017</b> , 11, 495-503	2.5	4
888	Green Controller for Efficient Diesel Engine Driven Single-Phase SEIG Using Maximum Efficiency Point Operation. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 264-274	8.9	22
887	Lyapunov Function and Sliding Mode Control Approach for the Solar-PV Grid Interface System. <i>IEEE Transactions on Industrial Electronics</i> , <b>2017</b> , 64, 785-795	8.9	63
886	Development of low-cost PV array-fed SRM drive-based water pumping system utilising CSC converter. <i>IET Power Electronics</i> , <b>2017</b> , 10, 156-168	2.2	20
885	Control of solar photovoltaic integrated UPQC operating in polluted utility conditions. <i>IET Power Electronics</i> , <b>2017</b> , 10, 1413-1421	2.2	19
884	A novel modified central switch DC-DC converter for solar energized SRM driven irrigation pump <b>2017</b> ,		3
883	Optimal control scheme for single stage grid interfaced SECS for power quality improvement <b>2017</b> ,		2
882	Design of autonomous solar powered SRM based water pump utilizing modified CSC converter <b>2017</b> ,		1
881	Design of autonomous solar powered SRM based agriculture pump utilizing novel central switch DC-DC converter <b>2017</b> ,		1
880	Real-time hardware testing, control and performance analysis of hybrid cost-effective wind-PV-diesel standalone power generation system <b>2017</b> ,		5
879	Seamless transition of three phase microgrid with load compensation capabilities <b>2017</b> ,		16
878	Design and implementation of PFC Cuk converter fed SRM drive. <i>IET Power Electronics</i> , <b>2017</b> , 10, 1539-1549		13
877	Solar PV fed sensorless DTC of induction motor drive for water pumping <b>2017</b> ,		1

876	Bridgeless buck-boost PFC converter for multistring LED driver <b>2017</b> ,		7
875	Robust control algorithm of grid interfaced solar PV system <b>2017</b> ,		1
874	RLMMN adaptive filtering based control scheme for multi-objective GPV system <b>2017</b> ,		1
873	Three phase grid interfaced solar water pumping system <b>2017</b> ,		2
872	Single stage PV array fed synchronous reluctance motor drive <b>2017</b> ,		1
871	Implementation of demodulation-SOGI control algorithm for improving the power quality <b>2017</b> ,		1
870	Generalised neural network-based control algorithm for DSTATCOM in distribution systems. <i>IET Power Electronics</i> , <b>2017</b> , 10, 1529-1538	2.2	13
869	A frequency observer based control for solar energy conversion system <b>2017</b> ,		2
868	. <i>IEEE Transactions on Industry Applications</i> , <b>2016</b> , 52, 360-368	4.3	28
867	Improved Power-Quality-Based Welding Power Supply With Overcurrent Handling Capability. <i>IEEE Transactions on Power Electronics</i> , <b>2016</b> , 31, 2850-2859	7.2	9
866	Experience in Developing a Single-Phase Two Winding 5 kW Self-excited Induction Generator for Off-Grid Renewable Energy Based Power Generation. <i>Journal of the Institution of Engineers (India): Series B</i> , <b>2016</b> , 97, 127-137	0.9	2
865	Adaptive noise cancellation based harmonic elimination in grid integrated photovoltaic system. <i>IET Renewable Power Generation</i> , <b>2016</b> , 10, 1096-1104	2.9	17
864	Improved Power Quality Switched-Mode Power Supply Using BuckBoost Converter. <i>IEEE Transactions on Industry Applications</i> , <b>2016</b> , 52, 5194-5202	4.3	11
863	Three-phase grid-tied single-stage solar energy conversion system using LLMS control algorithm. <i>IET Renewable Power Generation</i> , <b>2016</b> , 10, 1638-1646	2.9	7
862	Power corrected bridgeless converter based switched mode power supply factor. <i>IET Power Electronics</i> , <b>2016</b> , 9, 1684-1693	2.2	3
861	Power Quality Enhancement Using DSTATCOM in Distributed Power Generation System. <i>IEEE Transactions on Industry Applications</i> , <b>2016</b> , 52, 5203-5212	4.3	33
860	Grid Integration of Single Stage Solar PV System using Three-level Voltage Source Converter. <i>International Journal of Emerging Electric Power Systems</i> , <b>2016</b> , 17, 425-434	1.4	5
859	Experimental Implementation of a Doubly Fed Induction Generator Used for Voltage Regulation at a Remote Location. <i>IEEE Transactions on Industry Applications</i> , <b>2016</b> , 52, 5065-5072	4.3	10

858	Intelligent Neural Network-Based Controller for Single-Phase Wind Energy Conversion System Using Two Winding Self-Excited Induction Generator. <i>IEEE Transactions on Industrial Informatics</i> , <b>2016</b> , 12, 1986-1997	11.9	20
857	Fast multilayer perceptron neural network-based control algorithm for shunt compensator in distribution systems. <i>IET Generation, Transmission and Distribution</i> , <b>2016</b> , 10, 3824-3833	2.5	9
856	Implementation and control of small-scale hybrid standalone power generation system employing wind and solar energy <b>2016</b> ,		7
855	A single stage solar PV array based water pumping system using SRM drive <b>2016</b> ,		12
854	Modified p-q theory based control of solar PV integrated UPQC-S <b>2016</b> ,		8
853	Single-stage unity power factor based electronic ballast. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , <b>2016</b> , 41, 1111-1122	1	
852	Unity power factor operation and load leveling of diesel generator set using battery energy storage system <b>2016</b> ,		2
851	Zeta converter for power quality improvement for multi-string LED driver <b>2016</b> ,		7
850	Maximum power extraction from partially shaded PV panel in rainy season by using improved antlions optimization algorithm <b>2016</b> ,		4
849	Composite observer based control technique for single-phase solar PV-Grid tied system <b>2016</b> ,		1
848	Wind-Hydro microgrid and its control for rural energy system <b>2016</b> ,		3
847	A normalized least mean logarithmic square based control of SPV grid tied system <b>2016</b> ,		1
846	Variable step ILSE based control algorithm for power quality improvement of SPV system <b>2016</b> ,		1
845	Cuk PFC converter for high brightness LED driver with brightness control <b>2016</b> ,		4
844	Dual output cuk converter fed switched reluctance motor drive <b>2016</b> ,		1
843	ZA-QLMS based control approach for DSTATCOM under abnormal grid conditions <b>2016</b> ,		2
842	Control of wind-solar microgrid for rural electrification <b>2016</b> ,		2
841	A single source single phase SPV grid tied system employing 9-level ternary cascaded VSC <b>2016</b> ,		2

840	Real time implementation of sign-sign lms algorithm in single phase SPV grid integrated system <b>2016,</b>	2
839	PNLMS based adaptive control algorithm for solar PV grid tied system <b>2016,</b>	1
838	Modified bridgeless landsman PFC converter for LED driver <b>2016,</b>	3
837	Single voltage measurement based control algorithm for voltage source converter <b>2016,</b>	1
836	Grid interactive solar PV based water pumping using BLDC motor drive <b>2016,</b>	5
835	A hybrid FNLMS approach to improve the performance of a grid integrated solar PV system <b>2016,</b>	1
834	Grid interfaced solar PV powered brushless DC motor driven water pumping system <b>2016,</b>	3
833	Bi-directional charger for electric vehicle with four quadrant capabilities <b>2016,</b>	4
832	Design of SRM driven BESS based PV powered water pumping system <b>2016,</b>	7
831	Solar PV interfaced to multifunctional VSC with a battery support <b>2016,</b>	3
830	Performance improvement of grid integrated solar PV system using DNLMS control algorithm <b>2016</b> ,	2
829	Dual-sign error based adaptive control for three phase grid tied SECS with DSTATCOM capabilities <b>2016,</b>	1
828	An EV battery charger with power factor corrected bridgeless zeta converter topology <b>2016,</b>	8
827	A PFC based EV battery charger using a bridgeless SEPIC converter <b>2016,</b>	7
826	A smart solar water pumping system with bidirectional power flow capabilities <b>2016,</b>	2
825	Maximum power factor based vector control approach for synchronous reluctance motor driven solar PV array fed water pumping system <b>2016,</b>	2
824	Power factor correction in modified sepic converter fed switched reluctance motor drive <b>2016,</b>	2
823	Single phase multifunctional VSC interfaced with solar PV and bidirectional battery charger <b>2016,</b>	4

822	Double stage solar PV array fed water pump driven by permanent magnet synchronous motor <b>2016</b>		9
821	A controller for cascaded h-bridge multilevel inverter <b>2016</b> ,		1
820	Brushless DC motor based ceiling fan using buck-boost converter <b>2016</b> ,		3
819	Solar powered SR motor based water pumping using dual output boost converter <b>2016</b> ,		1
818	Implementation of DSTATCOM with i-PNLMS based control algorithm under abnormal grid conditions <b>2016</b> ,		2
817	Real time implementation of SECS with active shunt filter capabilities <b>2016</b> ,		1
816	An improved P&O MPPT algorithm for single stage three-phase grid integrated solar PV system <b>2016</b> ,		7
815	Normal harmonic search algorithm based MPPT of solar PV system <b>2016</b> ,		3
814	ZVS $\Sigma$ CS High Voltage Gain Integrated Boost Converter for DC Microgrid. <i>IEEE Transactions on Industrial Electronics</i> , <b>2016</b> , 63, 6898-6908	8.9	62
813	A Power Quality Improved Bridgeless Converter-Based Computer Power Supply. <i>IEEE Transactions on Industry Applications</i> , <b>2016</b> , 52, 4385-4394	4.3	18
812	Implementation of Voltage Controller of Single-phase Self-excited Induction Generator. <i>Electric Power Components and Systems</i> , <b>2016</b> , 44, 1276-1290	1	10
811	. <i>IEEE Transactions on Industry Applications</i> , <b>2016</b> , 52, 4408-4415	4.3	18
810	Three-Level 48-Pulse STATCOM with Pulse Width Modulation. <i>Journal of the Institution of Engineers (India): Series B</i> , <b>2016</b> , 97, 77-90	0.9	
809	Performance Evaluation of Fixed-speed and Variable-speed Stand-alone Wind Energy Conversion Systems. <i>Electric Power Components and Systems</i> , <b>2016</b> , 44, 402-410	1	1
808	Comparative Performance of Wiener Filter and Adaptive Least Mean Square-Based Control for Power Quality Improvement. <i>IEEE Transactions on Industrial Electronics</i> , <b>2016</b> , 63, 3028-3037	8.9	42
807	Adaptive Neurofuzzy Inference System Least-Mean-Square-Based Control Algorithm for DSTATCOM. <i>IEEE Transactions on Industrial Informatics</i> , <b>2016</b> , 12, 483-492	11.9	50
806	Performance of synchronous reluctance generator for DG set based standalone supply system. <i>Electric Power Systems Research</i> , <b>2016</b> , 133, 93-103	3.5	4
805	. <i>IEEE Transactions on Industry Applications</i> , <b>2016</b> , 52, 2315-2322	4.3	106



804	Complementary performance enhancement of PV energy system through thermoelectric generation. <i>Renewable and Sustainable Energy Reviews</i> , <b>2016</b> , 58, 1017-1026	16.2	42
803	Solar photovoltaic array fed water pump driven by brushless DC motor using Landsman converter. <i>IET Renewable Power Generation</i> , <b>2016</b> , 10, 474-484	2.9	38
802	. <i>IEEE Transactions on Sustainable Energy</i> , <b>2016</b> , 7, 337-344	8.2	43
801	. <i>IEEE Transactions on Industry Applications</i> , <b>2016</b> , 52, 3443-3450	4.3	36
800	. <i>IEEE Transactions on Industry Applications</i> , <b>2016</b> , 52, 2789-2800	4.3	36
799	DSTATCOM supported induction generator for improving power quality. <i>IET Renewable Power Generation</i> , <b>2016</b> , 10, 495-503	2.9	29
798	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2016</b> , 12, 524-531	11.9	20
797	Brushless DC motor drive with power factor regulation using Landsman converter. <i>IET Power Electronics</i> , <b>2016</b> , 9, 900-910	2.2	7
796	Simple brushless DC motor drive for solar photovoltaic array fed water pumping system. <i>IET Power Electronics</i> , <b>2016</b> , 9, 1487-1495	2.2	40
795	Grid-interfaced Solar Photovoltaic Smart Building with Bidirectional Power Flow Between Grid and Electric Vehicle with Improved Power Quality. <i>Electric Power Components and Systems</i> , <b>2016</b> , 44, 480-494 <sup>1</sup>		14
794	Combined LMSMF-Based Control Algorithm of DSTATCOM for Power Quality Enhancement in Distribution System. <i>IEEE Transactions on Industrial Electronics</i> , <b>2016</b> , 63, 4160-4168	8.9	87
793	A solution to the ramp rate and prohibited operating zone constrained unit commitment by GHS-JGT evolutionary algorithm. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2016</b> , 81, 193-203	5.1	13
792	Power Factor Corrected Welding Power Supply Using Modified Zeta Converter. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2016</b> , 4, 617-625	5.6	18
791	. <i>IEEE Transactions on Industry Applications</i> , <b>2016</b> , 52, 466-471	4.3	15
790	Fault Immune Pico-Hydro Powered Base Station of Remote Telecommunication Tower. <i>Journal of Power Electronics</i> , <b>2016</b> , 16, 1612-1620	0.9	
789	Power factor correction (PFC) converters feeding brushless DC motor drive. <i>International Journal of Engineering, Science and Technology</i> , <b>2016</b> , 7, 65-75	1.4	7
788	A FFP based adaptive control of SPV system tied to weak grid <b>2016</b> ,		1
787	Integration of multiple source SPV grid tied system using 27-level cascaded H-bridge converter <b>2016</b> ,		4

786	Sinusoidal tracer control of single-stage SPV-Hydro-Battery based microgrid <b>2016</b> ,		1
785	. <i>IEEE Transactions on Industry Applications</i> , <b>2016</b> , 52, 3663-3672	4.3	3 <sup>1</sup>
784	Control of Distribution Static Compensator Using Three-phase Enhanced Phase-locked Loop. <i>Electric Power Components and Systems</i> , <b>2016</b> , 44, 1515-1529	1	3
783	An implementation of variable step-size least-mean-square based control algorithm for DSTATCOM. <i>International Transactions on Electrical Energy Systems</i> , <b>2016</b> , 26, 1540-1554	2.2	9
782	Real time implementation of EPLL with generalized filtering in single phase grid interfaced SPV system <b>2016</b> ,		4
781	ISOGI-Q based control algorithm for single stage grid tied SPV system <b>2016</b> ,		2
780	Maximum power peak detection of partially shaded PV panel by using intelligent monkey king evolution algorithm <b>2016</b> ,		4
779	Grid interfaced solar PV based water pumping using brushless DC motor drive <b>2016</b> ,		6
778	Control of grid tied SPV-DSTATCOM system using adaptive RLS technique <b>2016</b> ,		2
777	An improved power quality based PFC converter for EV battery charger <b>2016</b> ,		2
776	Fault investigations on die-cast copper rotors <b>2016</b> ,		3
775	Grid interactive bidirectional solar PV array fed water pumping system <b>2016</b> ,		6
774	Solar PV powered SRM driven water pumping system using Landsman converter <b>2016</b> ,		4
773	Design and analysis of a Microgrid with a PMBLDC generator based WECS and Solar-PV with decoupled real and reactive power control strategy <b>2016</b> ,		1
772	Wind-PV based microgrid and its synchronization with utility grid <b>2016</b> ,		6
771	Modelling and analysis of PMBLDC motor based three wheeler EV for closed loop optimum operation <b>2016</b> ,		2
770	Design of PV powered SR motor driven irrigation pumps utilizing boost converter <b>2016</b> ,		3
769	Performance of single stage cascaded H-bridge multilevel converter based grid interfaced PV system <b>2016</b> ,		1

768	<b>2016,</b>	16
767	<b>2016,</b>	1
766	Power Factor Correction in single-ended primary inductance converter fed switched reluctance motor drive <b>2016,</b>	1
765	Improved power quality SEPIC converter fed series resonant inverter for induction heater <b>2016,</b>	1
764	Discrete adaptive notch filter based single phase solar PV integrated UPQC <b>2016,</b>	5
763	Solar array fed water pumping system using induction motor drive <b>2016,</b>	9
762	<b>2016,</b>	1
761	Sign-Error Based Adaptive Control Technique for Single Stage Grid tied SPV System <b>2016,</b>	1
760	Switched capacitor converter fed SRM drive with power factor correction <b>2016,</b>	2
759	SEPIC PFC converter fed LED driver <b>2016,</b>	2
758	Performance of SPV array fed pumping system with synchronous reluctance motor drive <b>2016,</b>	8
757	Single stage SPV array fed speed sensorless vector control of induction motor drive for water pumping <b>2016,</b>	4
756	Discrete SOGI based control of solar photovoltaic integrated unified power quality conditioner <b>2016,</b>	4
755	Harmonics mitigation and phase compensation technique for 3P4W SPV system <b>2016,</b>	4
754	Adaptive control scheme for three-phase four wire grid tied SPV system with DSTATCOM capabilities <b>2016,</b>	6
753	An EV battery charger based on PFC Sheppard Taylor Converter <b>2016,</b>	2
752	Windowing factor based control algorithm for grid integrated SPV system <b>2016,</b>	5
751	Loss minimization of two stage solar powered speed sensorless vector controlled induction motor drive for water pumping <b>2016,</b>	2

750	Power factor correction in modified bridgeless buck boost converter fed SRM drive <b>2016</b> ,	2	
749	Intelligent control of SPV-battery-hydro based microgrid <b>2016</b> ,	4	
748	A multifunctional three-phase grid-connected single-stage SPV system using an intelligent adaptive control technique <b>2016</b> ,	2	
747	Power quality improved SMPS using bridgeless isolated zeta converter for welding applications. <i>EPE Journal (European Power Electronics and Drives Journal)</i> , <b>2016</b> , 26, 153-164	0.4	
746	. <i>IEEE Transactions on Industry Applications</i> , <b>2016</b> , 52, 3332-3339	4.3	16
745	. <i>IEEE Transactions on Industry Applications</i> , <b>2016</b> , 52, 3949-3957	4.3	50
744	. <i>IEEE Transactions on Industry Applications</i> , <b>2016</b> , 52, 3472-3479	4.3	52
743	LMF-Based Control Algorithm for Single Stage Three-Phase Grid Integrated Solar PV System. <i>IEEE Transactions on Sustainable Energy</i> , <b>2016</b> , 7, 1379-1387	8.2	137
742	Interior point algorithm for optimal control of distribution static compensator under distorted supply voltage conditions. <i>IET Generation, Transmission and Distribution</i> , <b>2016</b> , 10, 1778-1791	2.5	3
741	Adaptive recursive inverse-based control algorithm for shunt active power filter. <i>IET Power Electronics</i> , <b>2016</b> , 9, 1053-1064	2.2	21
740	Power quality improvement using bridgeless-Landsman converter for LED driver. <i>IET Power Electronics</i> , <b>2016</b> , 9, 2591-2601	2.2	9
739	A cross correlation control approach for multifunctional SPV system <b>2016</b> ,	1	
738	An experimental study of power quality issues in ceramic insulator industry <b>2016</b> ,	13	
737	A New Control Algorithm for Power Quality Improvement in a Stand-alone Synchronous Reluctance Generator with Energy Storage. <i>Electric Power Components and Systems</i> , <b>2016</b> , 44, 2198-2211	1	1
736	Integration of single-stage SPV generation to grid using admittance based LMS technique <b>2016</b> ,	3	
735	Grid integration of single stage SPV system using NLMS filtering control technique <b>2016</b> ,	5	
734	<b>2016</b> ,	1	
733	PFC converter based power quality improvement and ripple current minimization in BLDC motor drive <b>2016</b> ,	1	

732	Design and control of micro-grid fed by renewable energy generating sources <b>2016</b> ,		8
731	Power quality improved single-input dual-output boost converter with reduced components <b>2016</b> ,		14
730	Harmonics and reactive current detection in a grid interfaced PV distribution system <b>2016</b> ,		1
729	Solar photovoltaic array dependent dual output converter based water pumping using Switched Reluctance Motor drive <b>2016</b> ,		4
728	Power quality improvement using CSC converter for high power LED driver <b>2016</b> ,		4
727	Three-phase four-wire wind-diesel based microgrid <b>2016</b> ,		5
726	Solar PV array fed brushless DC motor driven water pump <b>2016</b> ,		7
725	Generalized electronic controller for multi-pulse battery charging systems <b>2016</b> ,		13
724	Design and performance analysis of three-phase solar PV integrated UPQC <b>2016</b> ,		14
723	Interleaved CSC converter-based power factor corrected switched mode power supply for arc welding. <i>IET Power Electronics</i> , <b>2016</b> , 9, 2404-2415	2.2	10
722	An Improved Power Quality Based Sheppard-Taylor Converter Fed BLDC Motor Drive. <i>Journal of the Institution of Engineers (India): Series B</i> , <b>2015</b> , 96, 327-337	0.9	3
721	Power factor correction in switched mode power supply for computers using canonical switching cell converter. <i>IET Power Electronics</i> , <b>2015</b> , 8, 234-244	2.2	16
720	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2015</b> , 11, 923-933	11.9	39
719	Implementation of modified current synchronous detection method for voltage control of self-excited induction generator. <i>IET Power Electronics</i> , <b>2015</b> , 8, 1146-1155	2.2	16
718	Enhanced Power Generation From Two-Winding Single-Phase SEIG Using LMDT-Based Decoupled Voltage and Frequency Control. <i>IEEE Transactions on Industrial Electronics</i> , <b>2015</b> , 62, 6934-6943	8.9	29
717	Reduced converter topology for integrated wind and small-hydro energy generation system. <i>IET Renewable Power Generation</i> , <b>2015</b> , 9, 520-529	2.9	11
716	. <i>IEEE Transactions on Industry Applications</i> , <b>2015</b> , 51, 4766-4774	4.3	35
715	Single-phase single-stage multifunctional grid interfaced solar photo-voltaic system under abnormal grid conditions. <i>IET Generation, Transmission and Distribution</i> , <b>2015</b> , 9, 886-894	2.5	44

714	A Novel Wall-Switched Step-Dimming Concept in LED Lighting Systems Using PFC Zeta Converter. <i>IEEE Transactions on Industrial Electronics</i> , <b>2015</b> , 62, 6272-6283	8.9	20
713	Power quality improvements in a zeta converter for brushless DC motor drives. <i>IET Science, Measurement and Technology</i> , <b>2015</b> , 9, 351-361	1.5	24
712	A PFC Based Bridgeless Converter with Improved Power Quality for Welding Applications <b>2015</b> ,		1
711	Recognition of Single-stage and Multiple Power Quality Events Using Hilbert Huang Transform and Probabilistic Neural Network. <i>Electric Power Components and Systems</i> , <b>2015</b> , 43, 607-619	1	31
710	Power Factor Corrected Zeta Converter Based Improved Power Quality Switched Mode Power Supply. <i>IEEE Transactions on Industrial Electronics</i> , <b>2015</b> , 62, 5422-5433	8.9	46
709	Variable Forgetting Factor Recursive Least Square Control Algorithm for DSTATCOM. <i>IEEE Transactions on Power Delivery</i> , <b>2015</b> , 30, 2353-2361	4.3	82
708	Wind energy conversion system using PMSG <b>2015</b> ,		8
707	Solid-state controller for three-phase permanent magnet synchronous generator-based diesel generator set feeding single-phase loads. <i>IET Power Electronics</i> , <b>2015</b> , 8, 1844-1852	2.2	7
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705	A simplified configuration and implementation of a standalone microgrid <b>2015</b> ,		3
704	An adjustable speed PFC bridgeless-SEPIC fed brushless DC motor drive <b>2015</b> ,		10
703	Solar PV array fed water pumping using BLDC motor drive with boost-buck converter <b>2015</b> ,		11
702	A Power Factor Corrected SMPS with Improved Power Quality for Welding Applications. <i>International Journal of Emerging Electric Power Systems</i> , <b>2015</b> , 16, 181-193	1.4	
701	Real-Time HIL Implementation of Sliding Mode Control for Standalone System Based on PV Array Without Using Dumpload. <i>IEEE Transactions on Sustainable Energy</i> , <b>2015</b> , 6, 1389-1398	8.2	56
700	Design and Implementation of Adaptive NeuroFuzzy Inference System Based Control Algorithm for Distribution Static Compensator. <i>Electric Power Components and Systems</i> , <b>2015</b> , 43, 1741-1751	1	9
699	Unity power factor operation and neutral current compensation of diesel generator set feeding three-phase four-wire loads. <i>IET Generation, Transmission and Distribution</i> , <b>2015</b> , 9, 1738-1746	2.5	12
698	Power Quality Improvement in Three-phase Telecommunication Power Supply System. <i>Electric Power Components and Systems</i> , <b>2015</b> , 43, 2105-2115	1	3
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693	Single-Phase Power Generation Employing VFC for Stand-Alone Three-Phase Doubly Wound Asynchronous Generator. <i>IEEE Transactions on Industry Applications</i> , <b>2015</b> , 51, 4785-4796	4.3	0
692	An Assessment of SPSS Grid Interfaced SPV System under Abnormal Grid Conditions. <i>IETE Journal of Research</i> , <b>2015</b> , 61, 581-589	0.9	2
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690	PFC Cuk Converter-Fed BLDC Motor Drive. <i>IEEE Transactions on Power Electronics</i> , <b>2015</b> , 30, 871-887	7.2	59
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688	Implementation of Kernel Incremental Metalearning Algorithm in Distribution Static Compensator. <i>IEEE Transactions on Power Electronics</i> , <b>2015</b> , 30, 1157-1169	7.2	18
687	An improved control algorithm of DSTATCOM for power quality improvement. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2015</b> , 64, 493-504	5.1	31
686	Improved-Power-Quality Bridgeless-Converter-Based Multiple-Output SMPS. <i>IEEE Transactions on Industry Applications</i> , <b>2015</b> , 51, 721-732	4.3	4
685	Power quality improvements in power factor correction Luo converter fed brushless direct current motor drive. <i>International Transactions on Electrical Energy Systems</i> , <b>2015</b> , 25, 898-919	2.2	11
684	Power Factor Correction in Bridgeless-Luo Converter-Fed BLDC Motor Drive. <i>IEEE Transactions on Industry Applications</i> , <b>2015</b> , 51, 1179-1188	4.3	38
683	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2015</b> , 62, 172-183	8.9	34
682	Solar PV array fed direct torque controlled induction motor drive for water pumping <b>2015</b> ,		7
681	Harmony Search with Wavelet Mutation evolutionary approach for ramp rate constrained unit commitment <b>2015</b> ,		5
680	SPV array fed SRM driven water pumping system utilizing dual output SEPIC converter <b>2015</b> ,		1
679	SPV array powered zeta converter fed SRM drive for water pumping <b>2015</b> ,		4

678	Dynamic performance of solar PV integrated UPQC-P for critical loads <b>2015</b> ,	13
677	Grid integration of solar PV generating system using three-level voltage source converter <b>2015</b> ,	3
676	Power conditioning of Distributed Generation system using Unified Power Quality Conditioner <b>2015</b> ,	4
675	BLDC motor driven water pump fed by solar photovoltaic array using boost converter <b>2015</b> ,	9
674	Design and control of autonomous wind-solar energy system with DFIG feeding 3-phase 4-wire network <b>2015</b> ,	3
673	Fuel-efficient Induction Generator Based Diesel Generator Set for Stand-alone Supply Systems. <i>Electric Power Components and Systems</i> , <b>2015</b> , 43, 2019-2028	1 1
672	Damped-SOGI based control algorithm for solar PV power generating system <b>2015</b> ,	2
671	Buck-boost converter fed SRM drive for solar PV array based water pumping <b>2015</b> ,	6
670	A PFC modified-Landsman converter based PWM-Dimmable RGB HB-LED driver for large area projection applications <b>2015</b> ,	3
669	High-efficiency improved 12kW switched mode telecom rectifier <b>2015</b> ,	4
668	Enhancement of power quality using solar PV integrated UPQC <b>2015</b> ,	8
667	<b>2015</b> ,	7
666	SPV array powered non inverting buck-boost converter fed SRM drive for water pumping <b>2015</b> ,	4
665	Parameters estimation of a series VSC and shunt VSC to design a unified power quality conditioner (UPQC) <b>2015</b> ,	6
664	Landsman based PFC with PWM dimming for high brightness LED driver <b>2015</b> ,	5
663	An offset reduction second order generalized integrator based control algorithm for single-phase S-DSTATCOM <b>2015</b> ,	9
662	Grid integration of single stage SPV system using asymmetric cascaded 7-level VSC <b>2015</b> ,	7
661	Sensor Reduction in a PFC-Based Isolated BL-SEPIC Fed BLDC Motor Drive. <i>Lecture Notes in Electrical Engineering</i> , <b>2015</b> , 347-362	0.2

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657	Hybrid standalone power generation system using hydro-PV-battery for residential green buildings <b>2015</b> ,		3
656	Solar PV water pumping system with DC-link voltage regulation. <i>International Journal of Power Electronics</i> , <b>2015</b> , 7, 72	0.2	11
655	Analysis and mitigation of parallel resonance in the distribution system <b>2015</b> ,		1
654	Modified electronic load controller for constant frequency operation with voltage regulation of small hydro driven single-phase SEIG <b>2015</b> ,		14
653	A single sensor based bridgeless landsman PFC converter fed BLDC motor drive <b>2015</b> ,		4
652	Control of doubly fed induction generator in standalone wind energy conversion system <b>2015</b> ,		1
651	Control and implementation of a standalone solar photo-voltaic hybrid system <b>2015</b> ,		6
650	A distribution grid tied multifunctional SPV system operating with control approach based on decoupled adaptive neural network <b>2015</b> ,		3
649	Adaptive harmonic cancellation scheme for voltage and frequency control of a single-phase two-winding SEIG <b>2015</b> ,		17
648	Power quality enhancement of grid integrated solar PV system based on adaptive noise reduction control <b>2015</b> ,		2
647	A dual tangent based algorithm for maximum power point tracking of solar PV systems <b>2015</b> ,		1
646	Improved power quality opto-couplerless Cuk converter for flickerless LED lighting <b>2015</b> ,		6
645	A Unity Power Factor Bridgeless Isolated Cuk Converter-Fed Brushless DC Motor Drive. <i>IEEE Transactions on Industrial Electronics</i> , <b>2015</b> , 62, 4118-4129	8.9	45
644	Recognition of Power-Quality Disturbances Using S-Transform-Based ANN Classifier and Rule-Based Decision Tree. <i>IEEE Transactions on Industry Applications</i> , <b>2015</b> , 51, 1249-1258	4.3	147
643	Soft Computing Techniques for Static Series Voltage Regulator of Self Excited Induction Generator. <i>Journal of Circuits, Systems and Computers</i> , <b>2015</b> , 24, 1550025	0.9	1

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640	A Frequency Shifter-Based Simple Control for Solar PV Grid-Interfaced System. <i>Lecture Notes in Electrical Engineering</i> , <b>2015</b> , 363-374	0.2	
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637	STATCOM-Based Controller for a Three-Phase SEIG Feeding Single-Phase Loads. <i>IEEE Transactions on Energy Conversion</i> , <b>2014</b> , 29, 320-331	5.4	33
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634	Power Quality Event Classification Under Noisy Conditions Using EMD-Based De-Noising Techniques. <i>IEEE Transactions on Industrial Informatics</i> , <b>2014</b> , 10, 1044-1054	11.9	66
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629	An implementation of double-frequency oscillation cancellation technique in control of DSTATCOM. <i>International Transactions on Electrical Energy Systems</i> , <b>2014</b> , 24, 796-807	2.2	6
628	Simple peak detection control algorithm of distribution static compensator for power quality improvement. <i>IET Power Electronics</i> , <b>2014</b> , 7, 1736-1746	2.2	26
627	Analysis, design and control of single-phase three-level power factor correction rectifier fed switched reluctance motor drive. <i>IET Power Electronics</i> , <b>2014</b> , 7, 1499-1508	2.2	23
626	Incipient interturn fault diagnosis in induction machines using an analytic wavelet-based optimized Bayesian inference. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2014</b> , 25, 990-1001	10.3	25
625	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2014</b> , 61, 6004-6012	8.9	25

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623	Asynchronous Generator With Battery Storage for Standalone Wind Energy Conversion System. <i>IEEE Transactions on Industry Applications</i> , <b>2014</b> , 50, 2760-2767	4.3	12
622	Neural network controlled grid interfaced solar photovoltaic power generation. <i>IET Power Electronics</i> , <b>2014</b> , 7, 614-626	2.2	56
621	Direct Power Control of Single VSC-Based DFIG Without Rotor Position Sensor. <i>IEEE Transactions on Industry Applications</i> , <b>2014</b> , 50, 4152-4163	4.3	24
620	Implementation of four-leg distribution static compensator. <i>IET Generation, Transmission and Distribution</i> , <b>2014</b> , 8, 1127-1139	2.5	23
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618	An Improved Power Quality BIBRED Converter-Based VSI-Fed BLDC Motor Drive. <i>International Journal of Emerging Electric Power Systems</i> , <b>2014</b> , 15, 25-33	1.4	2
617	Load Leveling and Voltage Control of Permanent Magnet Synchronous Generator-Based DG Set for Standalone Supply System. <i>IEEE Transactions on Industrial Informatics</i> , <b>2014</b> , 10, 2034-2043	11.9	28
616	. <i>IEEE Transactions on Energy Conversion</i> , <b>2014</b> , 29, 545-557	5.4	35
615	A Brushless DC Motor Drive With Power Factor Correction Using Isolated Zeta Converter. <i>IEEE Transactions on Industrial Informatics</i> , <b>2014</b> , 10, 2064-2072	11.9	22
614	ILST Control Algorithm of Single-Stage Dual Purpose Grid Connected Solar PV System. <i>IEEE Transactions on Power Electronics</i> , <b>2014</b> , 29, 5347-5357	7.2	100
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612	Back-Propagation Control Algorithm for Power Quality Improvement Using DSTATCOM. <i>IEEE Transactions on Industrial Electronics</i> , <b>2014</b> , 61, 1204-1212	8.9	81
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610	Three-level NPC rectifier-based midpoint converter-fed SRM drive. <i>International Journal of Power Electronics</i> , <b>2014</b> , 6, 1	0.2	5
609	An improved power quality boost-flyback SSIPP fed BLDC motor drive. <i>International Journal of Power Electronics</i> , <b>2014</b> , 6, 179	0.2	2
608	Voltage control and load leveling of synchronous reluctance generator based DG set <b>2014</b> ,		3
607	Solar photovoltaic array fed canonical switching cell converter based BLDC motor drive for water pumping system <b>2014</b> ,		5

606	Power factor correction in brushless DC motor drive using a boost-forward SSIPP <b>2014</b> ,		1
605	Sliding mode control of static shunt compensator <b>2014</b> ,		1
604	A PFC based bridgeless Sheppard-Taylor converter fed brushless DC motor drive <b>2014</b> ,		3
603	Power quality improvement in isolated distributed generating system using DSTATCOM <b>2014</b> ,		4
602	An assessment of RAD based control algorithm for single-stage multitasking grid tied SECS <b>2014</b> ,		3
601	Sensorless control of single voltage source converter-based doubly fed induction generator for variable speed wind energy conversion system. <i>IET Power Electronics</i> , <b>2014</b> , 7, 2996-3006	2.2	19
600	Combined operation of a VSC based grid interfaced solar photovoltaic power generation system with night time application <b>2014</b> ,		2
599	A single-phase two-stage grid interfaced SPV system with adjustable DC link voltage for VSC under non ideal grid conditions <b>2014</b> ,		8
598	Solar photovoltaic array fed Luo converter based BLDC motor driven water pumping system <b>2014</b> ,		9
597	Buck-boost converter fed BLDC motor drive for solar PV array based water pumping <b>2014</b> ,		23
596	Analysis and design of buck-boost converter for power quality improvement in high frequency on/off-line UPS system <b>2014</b> ,		2
595	Hyperbolic tangent function-based least mean-square control algorithm for distribution static compensator. <i>IET Generation, Transmission and Distribution</i> , <b>2014</b> , 8, 2102-2113	2.5	10
594	Static synchronous compensator-variable frequency drive for voltage and frequency control of small-hydro driven self-excited induction generators system. <i>IET Generation, Transmission and Distribution</i> , <b>2014</b> , 8, 1528-1538	2.5	20
593	A SOGI-FLL based control algorithm for single phase grid interfaced multifunctional SPV under non ideal distribution system <b>2014</b> ,		7
592	BLDC motor driven solar PV array fed water pumping system employing zeta converter <b>2014</b> ,		18
591	Power factor correction in a brushless DC motor drive using an isolated-Luo converter <b>2014</b> ,		1
590	Power factor correction in sensorless BLDC motor drive <b>2014</b> ,		5
589	Hybrid AC-DC standalone system based on PV array and wind turbine <b>2014</b> ,		10



588	A PFC Based BLDCM Drive for Low Power Household Appliances. <i>EPE Journal (European Power Electronics and Drives Journal)</i> , <b>2014</b> , 24, 21-30	0.4	4
587	Grid integration of large capacity solar PV plant using multipulse VSC with robust PLL based control <b>2014</b> ,		9
586	Design and operation for a standalone DG-SPV-BES microgrid system <b>2014</b> ,		1
585	A PFC based power quality improved bridgeless converter for welding applications <b>2014</b> ,		1
584	A UVT based control for single-stage grid interfaced SPV system with improved power quality <b>2014</b> ,		2
583	Grid integration of solar PV power generating system using QPLL based control algorithm <b>2014</b> ,		11
582	Modified EPLL based control to eliminate DC component in a grid interfaced solar PV system <b>2014</b> ,		1
581	Power factor correction in a brushless DC motor drive using an isolated-Luo converter <b>2014</b> ,		2
580	Doubly fed induction generator based standalone wind energy conversion system with MPPT capability <b>2014</b> ,		3
579	<b>2014</b> ,		2
578	PMSG based grid integrated wind energy conversion system with controlled power injection <b>2014</b> ,		1
577	Adaptive noise suppression filter based integrated voltage and frequency controller for two-winding single-phase self-excited induction generator. <i>IET Renewable Power Generation</i> , <b>2014</b> , 8, 827-837	2.9	38
576	Simulation of three-level 24-pulse voltage source converters-based static synchronous compensator for reactive power control. <i>IET Power Electronics</i> , <b>2014</b> , 7, 1148-1161	2.2	9
575	A SOGI-Q based control algorithm for multifunctional grid connected SECS <b>2014</b> ,		12
574	Normalised adaptive linear element-based control of single-phase self excited induction generator feeding fluctuating loads. <i>IET Power Electronics</i> , <b>2014</b> , 7, 2151-2160	2.2	31
573	Analysis and control of an isolated SPV-DG-BESS hybrid system <b>2014</b> ,		2
572	Isolated microgrid employing PMBLDCG for wind power generation and synchronous reluctance generator for DG system <b>2014</b> ,		2
571	Active Series Compensation <b>2014</b> , 170-228		

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563 A PFC based isolated Sheppard-Taylor converter feeding brushless DC motor drive **2014**,

2

562 Symmetrical components based technique for power quality event detection and classification **2014**,

5

561 Performance of grid interfaced solar PV system under variable solar intensity **2014**,

12

560 Grid integration of solar PV power generating system using QPLL based control algorithm **2014**,

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559 Grid integration of large capacity solar PV plant using multipulse VSC with robust PLL based control **2014**,

2

558 Grid integration of single stage solar PV power generating system using 12-pulse VSC **2014**,

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557 Solar PV array fed water pumping system using SEPIC converter based BLDC motor drive **2014**,

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556 Adaptive Control of Four-Leg VSC Based DSTATCOM in Distribution System. *International Journal of Emerging Electric Power Systems*, **2014**, 15, 93-99

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555 Power Quality Improvement in Bridgeless AcDc Converter Based Multi-output Switched Mode Power Supply. *International Journal of Emerging Electric Power Systems*, **2014**, 15, 533-544

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554 Single-Phase Power Generation Using Three-Phase Self-Excited Synchronous Reluctance Generator. *International Journal of Emerging Electric Power Systems*, **2014**, 15, 377-388

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553 A unity power factor NI-BIBRED converter fed brushless DC motor drive **2014**,

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552	Permanent magnet synchronous generator based wind energy and DG hybrid system <b>2014</b> ,		2
551	Performance evaluation of an isolated system using PMSG based DG set, SPV array and BESS <b>2014</b> ,		5
550	Luenberger observer based control algorithm for single-phase two-stage multifunctional grid connected solar energy conversion system <b>2014</b> ,		1
549	Power quality improvement under nonideal AC mains in distribution system. <i>Electric Power Systems Research</i> , <b>2014</b> , 106, 86-94	3.5	17
548	An Adjustable-Speed PFC Bridgeless BuckBoost Converter-Fed BLDC Motor Drive. <i>IEEE Transactions on Industrial Electronics</i> , <b>2014</b> , 61, 2665-2677	8.9	95
547	Investigation of Vibration Signatures for Multiple Fault Diagnosis in Variable Frequency Drives Using Complex Wavelets. <i>IEEE Transactions on Power Electronics</i> , <b>2014</b> , 29, 936-945	7.2	155
546	Control of Reduced-Rating Dynamic Voltage Restorer With a Battery Energy Storage System. <i>IEEE Transactions on Industry Applications</i> , <b>2014</b> , 50, 1295-1303	4.3	78
545	Vibration Analysis Based Interturn Fault Diagnosis in Induction Machines. <i>IEEE Transactions on Industrial Informatics</i> , <b>2014</b> , 10, 340-350	11.9	109
544	A PFC-Based BLDC Motor Drive Using a Canonical Switching Cell Converter. <i>IEEE Transactions on Industrial Informatics</i> , <b>2014</b> , 10, 1207-1215	11.9	26
543	. <i>IEEE Transactions on Industry Applications</i> , <b>2014</b> , 50, 3026-3036	4.3	28
542	Power factor-corrected DCM-based electronic ballast. <i>Electrical Engineering</i> , <b>2013</b> , 95, 403-411	1.5	7
541	Power-Quality Improvement in PFC Bridgeless SEPIC-Fed BLDC Motor Drive. <i>International Journal of Emerging Electric Power Systems</i> , <b>2013</b> , 14, 285-296	1.4	5
540	Autoconnected-Transformer-Based 20-Pulse AC/DC Converter for Telecommunication Power Supply. <i>IEEE Transactions on Industrial Electronics</i> , <b>2013</b> , 60, 4178-4190	8.9	27
539	BRF Theory Revisited to Control Self-Supported Dynamic Voltage Restorer (DVR) for Unbalanced and Nonlinear Loads. <i>IEEE Transactions on Industry Applications</i> , <b>2013</b> , 49, 2330-2340	4.3	98
538	Improved power quality converter for direct torque control-based induction motor drives. <i>IET Power Electronics</i> , <b>2013</b> , 6, 276-286	2.2	14
537	Performance of DSTATCOM Using Leaky LMS Control Algorithm. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2013</b> , 1, 104-113	5.6	53
536	Improved power quality bridgeless Cuk converter fed brushless DC motor drive for air conditioning system. <i>IET Power Electronics</i> , <b>2013</b> , 6, 902-913	2.2	60
535	Design-based computational procedure for performance prediction and analysis of single-phase self-excited induction generator. <i>IET Electric Power Applications</i> , <b>2013</b> , 7, 477-486	1.8	11

534	A PFC based BLDC motor drive using a Bridgeless Zeta converter <b>2013</b> ,		11
533	Implementation of DSTATCOM using Neural Network Based Radial Basis Function <b>2013</b> ,		2
532	A comprehensive design and implementation of Doubly Fed Induction Generator for a micro-level Wind Energy Conversion System <b>2013</b> ,		2
531	Recognition of Power Quality events using S-transform based ANN classifier and rule based decision tree <b>2013</b> ,		3
530	A Standalone Solar Photovoltaic Power Generation using Cuk Converter and Single Phase Inverter. <i>Journal of the Institution of Engineers (India): Series B</i> , <b>2013</b> , 94, 1-12	0.9	3
529	Input Power Quality Improvement in Switched Reluctance Motor Drive using Minnesota Rectifier. <i>Journal of the Institution of Engineers (India): Series B</i> , <b>2013</b> , 94, 161-168	0.9	
528	Composite observer-based control algorithm for distribution static compensator in four-wire supply system. <i>IET Power Electronics</i> , <b>2013</b> , 6, 251-260	2.2	29
527	Implementation of Single-Phase Enhanced Phase-Locked Loop-Based Control Algorithm for Three-Phase DSTATCOM. <i>IEEE Transactions on Power Delivery</i> , <b>2013</b> , 28, 1516-1524	4.3	38
526	Current Synchronous Detection based control of grid interfaced Solar Photovoltaic power generating system <b>2013</b> ,		1
525	Welding power supply with improved power quality using Sheppard-Taylor converter <b>2013</b> ,		1
524	Flexible Control of Single-phase Unified Power Quality Conditioner Using Frequency-domain Approach. <i>Electric Power Components and Systems</i> , <b>2013</b> , 41, 401-412	1	2
523	Optimum utilisation of self-excited induction generator. <i>IET Electric Power Applications</i> , <b>2013</b> , 7, 680-692	1.8	7
522	Operating performance of static series compensated three-phase self-excited induction generator. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2013</b> , 49, 137-148	5.1	17
521	A comparative analysis of different magnetics supported three-phase four-wire unified power quality conditioners [A simulation study. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2013</b> , 47, 436-447	5.1	7
520	A reduced sensor PFC BL-Zeta converter based VSI fed BLDC motor drive. <i>Electric Power Systems Research</i> , <b>2013</b> , 98, 11-18	3.5	30
519	Adaptive Theory-Based Improved Linear Sinusoidal Tracer Control Algorithm for DSTATCOM. <i>IEEE Transactions on Power Electronics</i> , <b>2013</b> , 28, 3768-3778	7.2	47
518	<b>2013</b> ,		6
517	A PFC based switched-capacitor buck-boost converter fed BLDC motor drive <b>2013</b> ,		4

516	2013,			3
515	Opportunities and problems of Smart Grids with large penetration of renewable energy - Indian perspective 2013,			3
514	Doubly fed induction generator-based off-grid wind energy conversion systems feeding dynamic loads. <i>IET Power Electronics</i> , 2013, 6, 1917-1926	2.2		8
513	A Reduced Sensor Power Factor Corrected Bridgeless Flyback Converter Fed Brushless DC Motor Drive. <i>Electric Power Components and Systems</i> , 2013, 41, 1114-1128	1		8
512	Analysis, design and control of a standalone hybrid renewable energy conversion system 2013,			5
511	IRPT based control of a 50 kw grid interfaced solar photovoltaic power generating system with power quality improvement 2013,			8
510	Variable step learning control algorithm for VSC based shunt compensator 2013,			1
509	A comparative study of adaptive control algorithms in Distribution Static Compensator 2013,			13
508	Design, Control, and Modeling of a New Voltage Source Converter for HVDC System. <i>International Journal of Emerging Electric Power Systems</i> , 2013, 14, 123-138	1.4		1
507	Single Stage Single Switch Power Supply (S4PS) Design for Low Power HB-LED Lighting. <i>International Journal of Emerging Electric Power Systems</i> , 2013, 14, 33-40	1.4		
506	Improved Power Quality IHQRR-BIFRED Converter Fed BLDC Motor Drive. <i>Journal of Power Electronics</i> , 2013, 13, 256-263	0.9		5
505	DICM and DCVM of a PFC-based SEPIC-fed PMBLDCM Drive. <i>IETE Journal of Research</i> , 2013, 59, 141	0.9		9
504	Implementation of distribution static compensator for power quality enhancement using learning vector quantisation. <i>IET Generation, Transmission and Distribution</i> , 2013, 7, 1244-1252	2.5		13
503	New topology for management of bi-directional power flow between vehicle and grid with reduced ripple current at unity power factor. <i>International Journal of Power Electronics</i> , 2013, 5, 216	0.2		1
502	Photovoltaic powered electric vehicle using PMSM drive scheme. <i>International Journal of Vehicle Autonomous Systems</i> , 2013, 11, 229	0.4		4
501	ELM-based sensorless speed control of permanent magnet synchronous machine. <i>International Journal of Vehicle Autonomous Systems</i> , 2013, 11, 190	0.4		
500	A new configuration of two-level 48-pulse VSCs based STATCOM for voltage regulation. <i>Electric Power Systems Research</i> , 2012, 82, 11-17	3.5		8
499	DFIG-Based Wind Power Conversion With Grid Power Leveling for Reduced Gusts. <i>IEEE Transactions on Sustainable Energy</i> , 2012, 3, 12-20	8.2		71

498	A Voltage-Controlled PFC Cuk Converter-Based PMBLDCM Drive for Air-Conditioners. <i>IEEE Transactions on Industry Applications</i> , <b>2012</b> , 48, 832-838	4.3	67
497	Control of VSC based multi-terminal DC system for support to critical loads on grid side witnessing loss of generation <b>2012</b> ,		2
496	A Novel and Comprehensive Performance Analysis of a Single-Phase Two-Winding Self-Excited Induction Generator. <i>IEEE Transactions on Energy Conversion</i> , <b>2012</b> , 27, 117-127	5.4	28
495	Reactive power estimation based control of self supported dynamic voltage restorer (DVR) <b>2012</b> ,		6
494	CTF control algorithm of DSTATCOM for Power factor correction and zero voltage regulation <b>2012</b> ,		2
493	Control of permanent magnet synchronous generator-based stand-alone wind energy conversion system. <i>IET Power Electronics</i> , <b>2012</b> , 5, 1519	2.2	39
492	A comprehensive MATLAB GUI based performance evaluation of three winding single phase SEIG <b>2012</b> ,		1
491	Autonomous wind energy conversion system employing synchronous generator <b>2012</b> ,		2
490	Stand-Alone Single-Phase Power Generation Employing a Three-Phase Isolated Asynchronous Generator. <i>IEEE Transactions on Industry Applications</i> , <b>2012</b> , 48, 2414-2423	4.3	21
489	Optimal controller design for multilevel voltage source converter based HVDC system <b>2012</b> ,		2
488	Admittance based control algorithm for DSTATCOM in three phase four wire system <b>2012</b> ,		5
487	Control of DSTATCOM using adjustable step least mean square control algorithm <b>2012</b> ,		7
486	A Modified Probabilistic Neural Network-based Algorithm for Detecting Turn Faults in Induction Machines. <i>IETE Journal of Research</i> , <b>2012</b> , 58, 300	0.9	3
485	Improved Power Quality SMPS for Personal Computer Applications. <i>Journal of the Institution of Engineers (India): Series B</i> , <b>2012</b> , 93, 151-161	0.9	
484	Power balance theory based control of grid interfaced solar photovoltaic power generating system with improved power quality <b>2012</b> ,		17
483	Control of shunt custom power device based on Anti-Hebbian learning algorithm <b>2012</b> ,		1
482	Grid interfaced solar photovoltaic power generating system with power quality improvement at AC mains <b>2012</b> ,		41
481	Power factor correction and zero voltage regulation in distribution system using DSTATCOM <b>2012</b> ,		6



480	Isolated wind energy conversion system for three-phase four wire loads employing Adaline based voltage-frequency controller <b>2012</b> ,		2
479	Design and control of variable speed Wind Energy Conversion System employing PMBLDC generator <b>2012</b> ,		2
478	Icos algorithm based control of zig-zag transformer connected three phase four wire DSTATCOM <b>2012</b> ,		2
477	Reduction in rating of voltage source converter of DSTATCOM using a zig-zag transformer <b>2012</b> ,		3
476	A universal input single-stage front end power factor corrector for HB-LED lighting applications <b>2012</b> ,		3
475	Design and Implementation of Four-Leg Voltage-Source-Converter-Based VFC for Autonomous Wind Energy Conversion System. <i>IEEE Transactions on Industrial Electronics</i> , <b>2012</b> , 59, 4694-4703	8.9	43
474	Implementation of adaptive filter based control algorithm for Distribution Static Compensator <b>2012</b> ,		3
473	Software PLL based control algorithm for power quality improvement in distribution system <b>2012</b> ,		2
472	. <i>IEEE Transactions on Industry Applications</i> , <b>2012</b> , 48, 1846-1854	4.3	21
471	Series active filter based voltage controller for an isolated asynchronous generator <b>2012</b> ,		1
470	A single sensor based PFC Zeta converter Fed BLDC motor drive for fan applications <b>2012</b> ,		9
469	Power quality improvements in diesel engine driven induction generator system using SRF theory <b>2012</b> ,		8
468	Analysis and Design of a Zeta Converter Based Three-Phase Switched Mode Power Supply <b>2012</b> ,		3
467	Control of standalone asynchronous generator driven by uncontrolled pico hydro turbine <b>2012</b> ,		2
466	Digital control of voltage and frequency of induction generator in isolated small hydro system <b>2012</b> ,		2
465	Electric vehicle and grid interface with modified PWM rectifier and DC-DC converter with power decoupling and unity power factor <b>2012</b> ,		7
464	Vehicle to grid and grid to vehicle bidirectional power flow at unity power factor with DC ripple compensation <b>2012</b> ,		5
463	LLC series resonant converter based LED lamp driver with ZVS <b>2012</b> ,		6

462	Power quality improvement using three phase modular converter for welding power supply <b>2012,</b>	1
461	<b>2012,</b>	9
460	Three-phase, two-switch PFC rectifier fed three-level VSI based FOC of induction motor drive <b>2012,</b>	3
459	Three-phase single stage medium power supply using Cuk converter <b>2012,</b>	6
458	Power quality improvement in switched reluctance motor drive using Vienna rectifier <b>2012,</b>	6
457	Vector control of squirrel-cage induction generator for stand-alone wind power generation <b>2012,</b>	6
456	Zeta converter based power supply for HB-LED lamp with universal input <b>2012,</b>	2
455	Modeling and control of stand-alone wind energy conversion system with PMBLDC generator <b>2012,</b>	1
454	Temperature dependent analysis of thermoelectric module using Matlab/SIMULINK <b>2012,</b>	12
453	<b>2012,</b>	1
452	Fuzzy-logic based MPPT control of grid interfaced PV generating system with improved power quality <b>2012,</b>	3
451	PFC buck converter fed PMBLDCM drive for low power applications <b>2012,</b>	2
450	Modeling and control of isolated hybrid system using wind driven DFIG and hydro driven SCIG. <i>European Transactions on Electrical Power</i> , <b>2012</b> , 22, 121-139	10
449	Physical phenomenons in two winding single phase Self Excited Induction Generators <b>2012,</b>	16
448	Modeling and control of grid connected voltage source converter for power sharing <b>2012,</b>	1
447	Incipient turn fault detection and condition monitoring of induction machine using analytical wavelet transform <b>2012,</b>	1
446	Three-phase push-pull modular converter based welding power supply with improved power quality <b>2012,</b>	5
445	Broken rotor bar detection in variable frequency induction motor drives using wavelet energy based method <b>2012,</b>	3

444	A modular converter for welding power supply with improved power quality <b>2012</b> ,		1
443	Control of autonomous wind diesel battery hybrid power system <b>2012</b> ,		1
442	Improved power quality converter based electronic ballast with high power factor <b>2012</b> ,		3
441	A Novel Control Strategy of Three-phase, Four-wire UPQC for Power Quality Improvement. <i>Journal of Electrical Engineering and Technology</i> , <b>2012</b> , 7, 1-8	1.4	9
440	A New Voltage and Frequency Controller for Standalone Parallel Operated Self Excited Induction Generators. <i>International Journal of Emerging Electric Power Systems</i> , <b>2012</b> , 13, 1-17	1.4	14
439	Solid-state controller for an IAG-based stand-alone wind energy conversion system. <i>International Journal of Sustainable Engineering</i> , <b>2012</b> , 5, 97-108	3.1	
438	Particle swarm optimisation for power quality improvement of a 12-pulse rectifier-chopper fed LCI-synchronous motor drive. <i>International Journal of Intelligent Systems Technologies and Applications</i> , <b>2012</b> , 11, 267	0.5	2
437	Zig-zag transformer for neutral current compensation in an isolated wind energy system. <i>International Journal of Power and Energy Conversion</i> , <b>2012</b> , 3, 220	0.4	3
436	Performance evaluation of a low power solar-PV energy system with SEPIC converter <b>2011</b> ,		7
435	Asynchronous generator with battery storage for standalone wind energy conversion system <b>2011</b> ,		4
434	Power quality improvement using optimized Passive Filter for 12-pulse rectifier-chopper in LCI fed synchronous motor drives <b>2011</b> ,		4
433	BRF theory revisited to control self supported dynamic voltage restorer (DVR) for unbalanced and nonlinear loads <b>2011</b> ,		3
432	A robust control algorithm for self supported dynamic voltage restorer (DVR) <b>2011</b> ,		5
431	Improved electronic load controller for offgrid induction generator in small hydro power generation <b>2011</b> ,		3
430	Analysis and design of isolated solar-PV energy generating system <b>2011</b> ,		6
429	Variable speed stand-alone wind energy conversion system using synchronous generator <b>2011</b> ,		3
428	Isolated Zeta PFC converter based voltage controlled PMBLDCM drive for air-conditioning application <b>2011</b> ,		5
427	Power Quality Improved PMBLDCM Drive for Adjustable Speed Application with Reduced Sensor Buck-Boost PFC Converter <b>2011</b> ,		10

426	Comparison of three control algorithms for single-phase UPQC <b>2011</b> ,		3
425	Performance of Voltage and Frequency Controller in Isolated Wind Power Generation for a Three-Phase Four-Wire System. <i>IEEE Transactions on Power Electronics</i> , <b>2011</b> , 26, 3443-3452	7.2	14
424	VSC supported active load control for SEIG under load perturbations <b>2011</b> ,		3
423	Voltage and Frequency Controllers for an Asynchronous Generator-Based Isolated Wind Energy Conversion System. <i>IEEE Transactions on Energy Conversion</i> , <b>2011</b> , 26, 402-416	5.4	55
422	Indirect current control of BTB-VSC with cage-rotor induction generator operating in grid connected and isolated mode <b>2011</b> ,		1
421	An enhanced phase locked loop technique for voltage and frequency control of stand-alone wind energy conversion system <b>2011</b> ,		9
420	Load Compensation for Diesel Generator-Based Isolated Generation System Employing DSTATCOM. <i>IEEE Transactions on Industry Applications</i> , <b>2011</b> , 47, 238-244	4.3	49
419	. <i>IEEE Transactions on Industry Applications</i> , <b>2011</b> , 47, 1872-1883	4.3	14
418	Isolated WindHydro Hybrid System Using Cage Generators and Battery Storage. <i>IEEE Transactions on Industrial Electronics</i> , <b>2011</b> , 58, 1141-1153	8.9	86
417	Neural-Network-Based Integrated Electronic Load Controller for Isolated Asynchronous Generators in Small Hydro Generation. <i>IEEE Transactions on Industrial Electronics</i> , <b>2011</b> , 58, 4264-4274	8.9	50
416	A control strategy based on UTT and I Cos&#920 theory of three-phase, fourwire UPQC for power quality improvement. <i>International Journal of Engineering, Science and Technology</i> , <b>2011</b> , 3,	1.4	4
415	Power quality improvements employing multipulse full-wave AC-DC converters. <i>International Journal of Power Electronics</i> , <b>2011</b> , 3, 240	0.2	
414	An adjustable speed PMBLDCM drive for air conditioner using PFC Zeta converter. <i>International Journal of Power Electronics</i> , <b>2011</b> , 3, 171	0.2	3
413	Digital signal processor implementation and performance evaluation of split capacitor, four-leg and three H-bridge-based three-phase four-wire shunt active filters. <i>IET Power Electronics</i> , <b>2011</b> , 4, 463	2.2	58
412	Voltage and frequency control of asynchronous generator for stand-alone wind power generation. <i>IET Power Electronics</i> , <b>2011</b> , 4, 816	2.2	16
411	Electronic load controller with power quality improvement of isolated induction generator for small hydro power generation. <i>IET Renewable Power Generation</i> , <b>2011</b> , 5, 202	2.9	43
410	Performance evaluation of a binary control technique for brushless dc motor drives <b>2011</b> ,		1
409	Implementation of Neural-Network-Controlled Three-Leg VSC and a Transformer as Three-Phase Four-Wire DSTATCOM. <i>IEEE Transactions on Industry Applications</i> , <b>2011</b> , 47, 1892-1901	4.3	62

408	Comprehensive Study of Single-Phase AC-DC Power Factor Corrected Converters With High-Frequency Isolation. <i>IEEE Transactions on Industrial Informatics</i> , <b>2011</b> , 7, 540-556	11.9	203
407	PFC buck-boost converter based voltage controlled adjustable speed PMBLDCM drive for air-conditioning. <i>European Transactions on Electrical Power</i> , <b>2011</b> , 21, 424-438		3
406	Dynamic dead angle control of three-level voltage source converter based HVDC system <b>2011</b> ,		1
405	Neural Network Based Voltage and Frequency Controller for Isolated Wind Power Generation. <i>IETE Journal of Research</i> , <b>2011</b> , 57, 467	0.9	8
404	A 12kW three-phase modular converter with unity power factor for telecom power supplies <b>2011</b> ,		1
403	Performance and control of converter interfaced distribution resources <b>2011</b> ,		1
402	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> , <b>2011</b> , 39, 15-30	1	5
401	Performance of a synchronous generator in stand-alone wind energy conversion system <b>2011</b> ,		1
400	Grid to vehicle and vehicle to grid energy transfer using single-phase bidirectional AC-DC converter and bidirectional DC-DC converter <b>2011</b> ,		25
399	Flexible control of UPQC for selective compensation of power quality problems <b>2011</b> ,		1
398	An autonomous wind energy conversion system with permanent magnet synchronous generator <b>2011</b> ,		4
397	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> , <b>2011</b> , 33, 1109-1117	5.1	72
396	Power quality improvement in multi-output forward boost converter <b>2011</b> ,		2
395	A novel method for extraction of speed from resolver output using neural network in vector control of PMSM <b>2011</b> ,		5
394	T-connected Transformer with a Voltage Source Converter for Voltage Control of an Isolated Asynchronous Generator. <i>IETE Journal of Research</i> , <b>2011</b> , 57, 430	0.9	
393	Instantaneous Symmetrical Component Theory Based Voltage and Frequency Controller for Isolated Small Hydropower Generation. <i>Electric Power Components and Systems</i> , <b>2011</b> , 39, 367-386	1	1
392	Recurrent and Feedforward Neural Network Control of Permanent Magnet Synchronous Motor. <i>IETE Journal of Research</i> , <b>2011</b> , 57, 541	0.9	
391	Two-level 24-pulse Voltage Source Converter Based Static Synchronous Compensator with Constant DC Bus Voltage. <i>Electric Power Components and Systems</i> , <b>2011</b> , 39, 237-253	1	2

390	Electronic Load Controller for a Parallel Operated Isolated Asynchronous Generator Feeding Various Loads. <i>Journal of Electromagnetic Analysis and Applications</i> , <b>2011</b> , 03, 101-114	0.3	6
389	New Control Algorithm for Capacitor Supported Dynamic Voltage Restorer. <i>Journal of Electromagnetic Analysis and Applications</i> , <b>2011</b> , 03, 277-286	0.3	6
388	PFC Bridge Converter for Voltage-controlled Adjustable-speed PMBLDCM Drive. <i>Journal of Electrical Engineering and Technology</i> , <b>2011</b> , 6, 215-225	1.4	4
387	Control Strategy for Selective Compensation of Power Quality Problems through Three-Phase Four-Wire UPQC. <i>Journal of Power Electronics</i> , <b>2011</b> , 11, 576-582	0.9	5
386	Power quality issues related to distributed energy source integration to utility grids <b>2010</b> ,		6
385	Customized solution for real and reactive power compensation for small distribution systems <b>2010</b> ,		2
384	Power Quality Improvement in Switched Mode Power Supplies Using Autoconnected Transformer Based 9-Phase ac-dc Converters. <i>IETE Journal of Research</i> , <b>2010</b> , 56, 270	0.9	2
383	State of art on condition monitoring of induction motors <b>2010</b> ,		5
382	Decoupled Solid State Controller for Asynchronous Generator in Pico-hydro Power Generation. <i>IETE Journal of Research</i> , <b>2010</b> , 56, 139	0.9	3
381	Magnetics for neutral current compensation in three-phase four-wire distribution system <b>2010</b> ,		16
380	Isolated wind energy conversion with asynchronous generator for rural electrification <b>2010</b> ,		2
379	Voltage and frequency control with reduced switch integrated voltage source converter for IAG in wind energy conversion system <b>2010</b> ,		3
378	Fuzzy proportional-integral regulators for stand-alone wind energy conversion system <b>2010</b> ,		2
377	Parallel Operation of Permanent Magnet Generators in Autonomous Wind Energy Conversion System <b>2010</b> ,		5
376	Design, modeling, simulation and performance of a MOSMPS fed from a universal standard Single-phase outlet <b>2010</b> ,		2
375	Vector Control vs Direct Torque Control comparative evaluation for PMSM drive <b>2010</b> ,		7
374	Single stage modular converter with power factor improvement for telecom power supply <b>2010</b> ,		1
373	Performance of a three-phase Self-Excited Induction Generator with Static Synchronous Series Compensator <b>2010</b> ,		3

372	Three-Level 24-Pulse STATCOM with Pulse Width Control at Fundamental Frequency Switching <b>2010</b> ,			6
371	Neural network theory based voltage and frequency controller for standalone wind energy conversion system <b>2010</b> ,			2
370	A voltage controlled adjustable speed PMBLDCM drive using a single-stage PFC half-bridge converter <b>2010</b> ,			2
369	A Voltage Controlled PFC Cuk Converter Based PMBLDCM Drive for Air-Conditioners <b>2010</b> ,			4
368	Voltage controlled PFC Zeta converter based PMBLDCM drive for an air-conditioner <b>2010</b> ,			10
367	. <i>IEEE Transactions on Industry Applications</i> , <b>2010</b> , 46, 1271-1280	4.3		39
366	A comparison of single-phase p-q theory and UVT based control algorithms for single-phase UPQC <b>2010</b> ,			2
365	Three-phase Four-wire Autonomous Wind Energy Conversion System Using Permanent Magnet Synchronous Generator. <i>Electric Power Components and Systems</i> , <b>2010</b> , 38, 367-386	1		8
364	Modified Power Balance Theory for control of DSTATCOM <b>2010</b> ,			14
363	Indirect current controlled VSC for reactive power and load control support to self-excited induction generator feeding 3-phase 4-wire isolated power system <b>2010</b> ,			2
362	Development of electronic load controller for IAG based standalone hydro power generation <b>2010</b> ,			1
361	Improved 48-pulse static synchronous compensator for high-voltage applications. <i>IET Power Electronics</i> , <b>2010</b> , 3, 355	2.2		7
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357	A Prospective on Voltage Regulation of Self-Excited Induction Generators for Industry Applications. <i>IEEE Transactions on Industry Applications</i> , <b>2010</b> , 46, 720-730	4.3		62
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355	Single-phase power factor controller topologies for permanent magnet brushless DC motor drives. <i>IET Power Electronics</i> , <b>2010</b> , 3, 147	2.2		56



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353	A novel approach to minimize torque ripples in DTC induction motor drive <b>2010</b> ,	5
352	Decoupled electronic load controller for asynchronous generator in pico-hydro power generation <b>2010</b> ,	2
351	Electronic load controller using Icos algorithm for standalone induction generator <b>2010</b> ,	5
350	Performance of Wind Energy Conversion System Using a Doubly Fed Induction Generator for Maximum Power Point Tracking <b>2010</b> ,	7
349	Application of Battery Energy Storage System (BESS) in voltage control and damping of power oscillations <b>2010</b> ,	9
348	A power factor corrected PMBLDCM drive for air-conditioner using bridge converter <b>2010</b> ,	4
347	<b>2010</b> ,	6
346	A comparative analysis of three-phase four-wire UPQC topologies <b>2010</b> ,	5
345	Modeling and control of autonomous Wind Energy Conversion System with Doubly Fed Induction Generator <b>2010</b> ,	15
344	Enhancing quality of power to sensitive loads with MicroGrid <b>2010</b> ,	2
343	A two-level 24-pulse Voltage Source Converter based HVDC system for active and reactive power control <b>2010</b> ,	3
342	Sensorless Power Maximization of PMSG Based Isolated Wind-Battery Hybrid System Using Adaptive Neuro-Fuzzy Controller <b>2010</b> ,	3
341	Quantitative Analysis and Rating Considerations of a Doubly Fed Induction Generator for Wind Energy Conversion Systems <b>2010</b> ,	1
340	Performance evaluation of power converters with distribution static compensator <b>2010</b> ,	1
339	Design, modeling and simulation of intelligent controller for small isolated diesel generator system <b>2010</b> ,	1
338	Passive filter design for a 12-pulse converter fed LCI-synchronous motor drive <b>2010</b> ,	2
337	A new control strategy for active and reactive power control of three-level VSC based HVDC system <b>2010</b> ,	3

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334	PFC Cuk converter based electronic ballast for an 18 W compact fluorescent lamp <b>2010</b> ,		2
333	Performance comparison of UPQC and Active Power Filters for a non-linear load <b>2010</b> ,		5
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317	Autonomous hybrid system using SCIG for hydro power generation and variable speed PMSG for wind power generation <b>2009</b> ,		12
316	Autonomous hybrid system using PMSGs for hydro and wind power generation <b>2009</b> ,		9
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314	Power Balance Theory Based Voltage and Frequency Control for IAG in Wind Power Generation <b>2009</b> ,		1
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166	DSP Based Implementation of Hybrid Speed Controller for Vector Controlled Permanent Magnet Synchronous Motor Drive <b>2006,</b>	5
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164	Speed sensorless electric vehicle propulsion system using DTC IM drive <b>2006,</b>	4
163	Analysis, simulation and control of DSTATCOM in three-phase, four-wire isolated distribution systems <b>2006,</b>	5
162	Direct torque control: a practical approach to electric vehicle <b>2006,</b>	9
161	A Twelve-Phase AC-DC Converter for Power Quality Improvement in Direct Torque Controlled Induction Motor Drives <b>2006,</b>	3
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54	Fuzzy control algorithm for universal active filter	11
53	Experience in the development of microhydel grid independent power generation scheme using induction generators for Indian conditions	8
52	Fuzzy logic based speed controller for vector controlled cage induction motor drive	3
51	A novel control of four pole voltage source inverter for active filtering of nonlinear loads in 3-phase 4-wire systems	1
50	Eighteen-Pulse AC-DC Converter for Harmonic Mitigation in Vector Controlled Induction Motor Drives	4
49	Passive Hybrid Filter for Varying Rectifier Loads	3

48	Harmonic Current Injection for Varying Rectifier Loads	2
47	An Electronic Voltage and Frequency Controller for Single-Phase Self-Excited Induction Generators for Pico Hydro Applications	17
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43	Neural Network Based Control of DSTATCOM with Rating Reduction for Three-Phase Four-Wire System	5
42	Battery Energy Storage System for Power Conditioning of Renewable Energy Sources	30
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34	A new control scheme of series active filter for varying rectifier loads	7
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31	Hybrid fuzzy logic proportional plus conventional integral-derivative controller for permanent magnet brushless DC motor	6

30	Finite element analysis to achieve optimum geometry of switched reluctance motor	5
29	Comparative study of PID, sliding mode and fuzzy logic controllers for four quadrant operation of switched reluctance motor	3
28	Power factor correction and load balancing in three-phase distribution systems	5
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26	Analysis of switched reluctance motor drive under fault conditions	12
25	Performance analysis of adaptive fuzzy logic controller for switched reluctance motor drive system	17
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22	Effects of nonuniform airgap and hysteresis on the performance of hybrid stepper motor	1
21	Optimum tooth-geometry for hybrid stepper motor using finite element analysis	2
20	A new control scheme of series hybrid active filter	5
19	DSP based implementation of sliding mode control on an active filter for voltage regulation and compensation of harmonics, power factor and unbalance of nonlinear loads	1
18	Transient analysis of parallelly operated self-excited induction generators	1
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16	Unity power factor converter-inverter fed vector controlled cage motor drive without mechanical speed sensor	3
15	Optimized performance of solar powered variable speed induction motor drive	4
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13	Advanced controlled series compensated self-excited induction generator	6

12	Experimental investigations on a permanent magnet brushless DC motor fed by PV array for water pumping system		4
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