

# Bhim Singh

## List of Publications by Citations

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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	A review of active filters for power quality improvement. <i>IEEE Transactions on Industrial Electronics</i> , <b>1999</b> , 46, 960-971	8.9	1165
1576	A review of single-phase improved power quality AC-DC converters. <i>IEEE Transactions on Industrial Electronics</i> , <b>2003</b> , 50, 962-981	8.9	709
1575	A review of three-phase improved power quality AC-DC converters. <i>IEEE Transactions on Industrial Electronics</i> , <b>2004</b> , 51, 641-660	8.9	484
1574	A review of stator fault monitoring techniques of induction motors. <i>IEEE Transactions on Energy Conversion</i> , <b>2005</b> , 20, 106-114	5.4	323
1573	A Comparison of Control Algorithms for DSTATCOM. <i>IEEE Transactions on Industrial Electronics</i> , <b>2009</b> , 56, 2738-2745	8.9	252
1572	Static synchronous compensators (STATCOM): a review. <i>IET Power Electronics</i> , <b>2009</b> , 2, 297-324	2.2	205
1571	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
1570	. <i>IEEE Transactions on Power Electronics</i> , <b>2008</b> , 23, 260-281	7.2	188
1569	An improved control algorithm of shunt active filter for voltage regulation, harmonic elimination, power-factor correction, and balancing of nonlinear loads. <i>IEEE Transactions on Power Electronics</i> , <b>2000</b> , 15, 495-507	7.2	184
1568	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
1567	Analysis and design of STATCOM-based voltage regulator for self-excited induction generators. <i>IEEE Transactions on Energy Conversion</i> , <b>2004</b> , 19, 783-790	5.4	151
1566	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
1565	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
1564	An Implementation of an Adaptive Control Algorithm for a Three-Phase Shunt Active Filter. <i>IEEE Transactions on Industrial Electronics</i> , <b>2009</b> , 56, 2811-2820	8.9	133
1563	Empirical-Mode Decomposition With Hilbert Transform for Power-Quality Assessment. <i>IEEE Transactions on Power Delivery</i> , <b>2009</b> , 24, 2159-2165	4.3	121
1562	A new control approach to three-phase active filter for harmonics and reactive power compensation. <i>IEEE Transactions on Power Systems</i> , <b>1998</b> , 13, 133-138	7	116
1561	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2006</b> , 53, 1437-1452	8.9	111

1560	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
1559	. <i>IEEE Transactions on Industry Applications</i> , <b>2016</b> , 52, 2315-2322	4.3	106
1558	Neural Network-Based Selective Compensation of Current Quality Problems in Distribution System. <i>IEEE Transactions on Industrial Electronics</i> , <b>2007</b> , 54, 53-60	8.9	106
1557	Comprehensive Study of DSTATCOM Configurations. <i>IEEE Transactions on Industrial Informatics</i> , <b>2014</b> , 10, 854-870	11.9	105
1556	Hybrid filters for power quality improvement. <i>IET Generation, Transmission and Distribution</i> , <b>2005</b> , 152, 365		104
1555	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
1554	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
1553	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
1552	A T-Connected Transformer and Three-leg VSC Based DSTATCOM for Power Quality Improvement. <i>IEEE Transactions on Power Electronics</i> , <b>2008</b> , 23, 2710-2718	7.2	91
1551	. <i>IEEE Transactions on Energy Conversion</i> , <b>2006</b> , 21, 285-293	5.4	88
1550	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
1549	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
1548	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
1547	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
1546	. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 73-81	4.3	84
1545	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
1544	Selective Compensation of Power-Quality Problems Through Active Power Filter by Current Decomposition. <i>IEEE Transactions on Power Delivery</i> , <b>2008</b> , 23, 792-799	4.3	82
1543	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

1542	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
1541	Design, simulation and implementation of three-polefour-pole topologies for active filters. <i>IET Electric Power Applications</i> , <b>2004</b> , 151, 467		78
1540	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
1539	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
1538	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
1537	. <i>IEEE Transactions on Energy Conversion</i> , <b>1995</b> , 10, 10-17	5.4	72
1536	DFIG-Based Wind Power Conversion With Grid Power Leveling for Reduced Gusts. <i>IEEE Transactions on Sustainable Energy</i> , <b>2012</b> , 3, 12-20	8.2	71
1535	Analysis of a novel solid state voltage regulator for a self-excited induction generator. <i>IET Generation, Transmission and Distribution</i> , <b>1998</b> , 145, 647		71
1534	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2015</b> , 11, 692-699	11.9	68
1533	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
1532	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
1531	Solid State Voltage and Frequency Controller for a Stand Alone Wind Power Generating System. <i>IEEE Transactions on Power Electronics</i> , <b>2008</b> , 23, 1170-1177	7.2	64
1530	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
1529	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
1528	Voltage and Frequency Controller for a Three-Phase Four-Wire Autonomous Wind Energy Conversion System. <i>IEEE Transactions on Energy Conversion</i> , <b>2008</b> , 23, 509-518	5.4	63
1527	Transient analysis of self-excited induction Generator with electronic load controller (ELC) supplying static and dynamic loads. <i>IEEE Transactions on Industry Applications</i> , <b>2005</b> , 41, 1194-1204	4.3	63
1526	ZVSZCS 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
1525	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

1524	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
1523	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
1522	. <i>IEEE Transactions on Industry Applications</i> , <b>2017</b> , 53, 1780-1788	4.3	60
1521	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
1520	PFC Cuk Converter-Fed BLDC Motor Drive. <i>IEEE Transactions on Power Electronics</i> , <b>2015</b> , 30, 871-887	7.2	59
1519	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
1518	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
1517	Reduced Rating VSC With a Zig-Zag Transformer for Current Compensation in a Three-Phase Four-Wire Distribution System. <i>IEEE Transactions on Power Delivery</i> , <b>2009</b> , 24, 249-259	4.3	57
1516	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
1515	Neural network controlled grid interfaced solar photovoltaic power generation. <i>IET Power Electronics</i> , <b>2014</b> , 7, 614-626	2.2	56
1514	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
1513	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
1512	Analysis and implementation of an electronic load controller for a self-excited induction generator. <i>IET Generation, Transmission and Distribution</i> , <b>2004</b> , 151, 51		54
1511	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
1510	Adaptive Sliding Mode Control of Standalone Single-Phase Microgrid Using Hydro, Wind, and Solar PV Array-Based Generation. <i>IEEE Transactions on Smart Grid</i> , <b>2018</b> , 9, 6806-6814	10.7	53
1509	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
1508	A Novel T-Connected Autotransformer-Based 18-Pulse ACDC Converter for Harmonic Mitigation in Adjustable-Speed Induction-Motor Drives. <i>IEEE Transactions on Industrial Electronics</i> , <b>2007</b> , 54, 2500-2511	8.9	53
1507	Applications of artificial intelligence techniques for induction machine stator fault diagnostics: review		53

1506	. <i>IEEE Transactions on Industry Applications</i> , <b>2016</b> , 52, 3472-3479	4.3	52
1505	. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 2041-2050	4.3	51
1504	General steady-state analysis of three-phase self-excited induction generator feeding three-phase unbalanced load. Single-phase load for stand-alone applications. <i>IET Generation, Transmission and Distribution</i> , <b>2003</b> , 150, 49		51
1503	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
1502	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
1501	Design and digital implementation of active filter with power balance theory. <i>IET Electric Power Applications</i> , <b>2005</b> , 152, 1149		50
1500	. <i>IEEE Transactions on Industry Applications</i> , <b>2016</b> , 52, 3949-3957	4.3	50
1499	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
1498	Neural Network Based Conductance Estimation Control Algorithm for Shunt Compensation. <i>IEEE Transactions on Industrial Informatics</i> , <b>2014</b> , 10, 569-577	11.9	47
1497	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
1496	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
1495	Normal Harmonic Search Algorithm-Based MPPT for Solar PV System and Integrated With Grid Using Reduced Sensor Approach and PNKLMs Algorithm. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 6343-6352	4.3	46
1494	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
1493	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
1492	. <i>IEEE Transactions on Energy Conversion</i> , <b>1993</b> , 8, 40-46	5.4	46
1491	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
1490	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
1489	An improved method for the determination of saturation characteristics of switched reluctance motors. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>1999</b> , 48, 995-1000	5.2	45

1488	. <i>IEEE Transactions on Energy Conversion</i> , <b>1995</b> , 10, 261-267	5.4	45
1487	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
1486	. <i>IEEE Transactions on Sustainable Energy</i> , <b>2016</b> , 7, 337-344	8.2	43
1485	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
1484	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
1483	. <i>IEEE Transactions on Energy Conversion</i> , <b>1990</b> , 5, 679-685	5.4	43
1482	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
1481	Power management in PV-battery-hydro based standalone microgrid. <i>IET Renewable Power Generation</i> , <b>2018</b> , 12, 391-398	2.9	42
1480	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
1479	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
1478	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
1477	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
1476	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
1475	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
1474	Incipient Turn Fault Detection and Condition Monitoring of Induction Machine Using Analytical Wavelet Transform. <i>IEEE Transactions on Industry Applications</i> , <b>2014</b> , 50, 2235-2242	4.3	41
1473	Grid interfaced solar photovoltaic power generating system with power quality improvement at AC mains <b>2012</b> ,		41
1472	. <i>IEEE Transactions on Power Electronics</i> , <b>2018</b> , 33, 739-748	7.2	40
1471	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



1470	Buck converter-based power supply design for low power light emitting diode lamp lighting. <i>IET Power Electronics</i> , <b>2014</b> , 7, 946-956	2.2	40
1469	An Improved Control Algorithm for Active Filters. <i>IEEE Transactions on Power Delivery</i> , <b>2007</b> , 22, 1009-1026	4.9	40
1468	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2015</b> , 11, 923-933	11.9	39
1467	A 20-Pulse Asymmetric Multiphase Staggering Autoconfigured Transformer For Power Quality Improvement. <i>IEEE Transactions on Power Electronics</i> , <b>2018</b> , 33, 917-925	7.2	39
1466	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
1465	. <i>IEEE Transactions on Industry Applications</i> , <b>2010</b> , 46, 1271-1280	4.3	39
1464	Integration of Solar PV With Low-Voltage Weak Grid System: Using Maximize-M Kalman Filter and Self-Tuned P&O Algorithm. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 9013-9022	8.9	39
1463	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
1462	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
1461	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
1460	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
1459	Decoupled Voltage and Frequency Controller for Isolated Asynchronous Generators Feeding Three-Phase Four-Wire Loads. <i>IEEE Transactions on Power Delivery</i> , <b>2008</b> , 23, 966-973	4.3	38
1458	Computer-Aided Modeling and Simulation of Active Power Filters. <i>Electric Power Components and Systems</i> , <b>1999</b> , 27, 1227-1241		38
1457	Leaky-Least-Logarithmic-Absolute-Difference-Based Control Algorithm and Learning-Based InC MPPT Technique for Grid-Integrated PV System. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 9003-9012	8.9	38
1456	LLMLF-Based Control Approach and LPO MPPT Technique for Improving Performance of a Multifunctional Three-Phase Two-Stage Grid Integrated PV System. <i>IEEE Transactions on Sustainable Energy</i> , <b>2020</b> , 11, 371-380	8.2	38
1455	Harmonic elimination, reactive power compensation and load balancing in three-phase, four-wire electric distribution systems supplying non-linear loads. <i>Electric Power Systems Research</i> , <b>1998</b> , 44, 93-100	3.5	37
1454	A Cooperative Adaptive Droop Based Energy Management and Optimal Voltage Regulation Scheme for DC Microgrids. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 2894-2904	8.9	37
1453	Application of LMS-Based NN Structure for Power Quality Enhancement in a Distribution Network Under Abnormal Conditions. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2018</b> , 29, 1598-1607	10.3	36



1452	. <i>IEEE Transactions on Industry Applications</i> , <b>2016</b> , 52, 3443-3450	4.3	36
1451	. <i>IEEE Transactions on Industry Applications</i> , <b>2016</b> , 52, 2789-2800	4.3	36
1450	A Novel Polygon Based 18-Pulse ACDC Converter for Vector Controlled Induction Motor Drives. <i>IEEE Transactions on Power Electronics</i> , <b>2007</b> , 22, 488-497	7.2	36
1449	. <i>IEEE Transactions on Industry Applications</i> , <b>2015</b> , 51, 4766-4774	4.3	35
1448	. <i>IEEE Transactions on Energy Conversion</i> , <b>2014</b> , 29, 545-557	5.4	35
1447	Double-Stage Three-Phase Grid-Integrated Solar PV System With Fast Zero Attracting Normalized Least Mean Fourth Based Adaptive Control. <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 3921-3931	8.9	35
1446	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2015</b> , 62, 172-183	8.9	34
1445	Genetic-Algorithm-Based Design of Passive Filters for Offshore Applications. <i>IEEE Transactions on Industry Applications</i> , <b>2010</b> , 46, 1295-1303	4.3	34
1444	Harmonic mitigation using 12-pulse AC-DC converter in vector-controlled induction motor drives. <i>IEEE Transactions on Power Delivery</i> , <b>2006</b> , 21, 1483-1492	4.3	34
1443	INDUCTION GENERATORS-A PROSPECTIVE. <i>Electric Power Components and Systems</i> , <b>1995</b> , 23, 163-177		34
1442	PNKLMF-Based Neural Network Control and Learning-Based HC MPPT Technique for Multiobjective Grid Integrated Solar PV Based Distributed Generating System. <i>IEEE Transactions on Industrial Informatics</i> , <b>2019</b> , 15, 3732-3742	11.9	33
1441	. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 3575-3585	4.3	33
1440	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
1439	A Grid-Interactive Permanent-Magnet Synchronous Motor-Driven Solar Water-Pumping System. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 5549-5561	4.3	33
1438	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
1437	A Review of Compensating Type Custom Power Devices for Power Quality Improvement <b>2008</b> ,		33
1436	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
1435	Control of Grid Tied Smart PV-DSTATCOM System Using an Adaptive Technique. <i>IEEE Transactions on Smart Grid</i> , <b>2018</b> , 9, 3986-3993	10.7	32

1434	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
1433	Integration of Solar PV With Low-Voltage Weak Grid System: Using Normalized Laplacian Kernel Adaptive Kalman Filter and Learning Based InC Algorithm. <i>IEEE Transactions on Power Electronics</i> , <b>2019</b> , 34, 10746-10758	7.2	31
1432	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
1431	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
1430	Grid Interactive Solar PV-Based Water Pumping Using BLDC Motor Drive. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 5153-5165	4.3	31
1429	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
1428	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
1427	An indirect current control of hybrid power filter for varying loads. <i>IEEE Transactions on Power Delivery</i> , <b>2006</b> , 21, 178-184	4.3	31
1426	. <i>IEEE Transactions on Energy Conversion</i> , <b>1994</b> , 9, 390-396	5.4	31
1425	. <i>IEEE Transactions on Industry Applications</i> , <b>2016</b> , 52, 3663-3672	4.3	31
1424	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2017</b> , 13, 1714-1722	11.9	30
1423	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
1422	. <i>IEEE Transactions on Industry Applications</i> , <b>2017</b> , 53, 5615-5623	4.3	30
1421	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
1420	Active power filter with sliding mode control. <i>IET Generation, Transmission and Distribution</i> , <b>1997</b> , 144, 564		30
1419	Battery Energy Storage System for Power Conditioning of Renewable Energy Sources		30
1418	A Single-Phase Self-Excited Induction Generator for Lighting Loads in Remote Areas. <i>International Journal of Electrical Engineering and Education</i> , <b>1988</b> , 25, 269-275	0.6	30
1417	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

1416	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
1415	Notch filter-based fundamental frequency component extraction to control distribution static compensator for mitigating current-related power quality problems. <i>IET Power Electronics</i> , <b>2015</b> , 8, 1758-1766	2.2	29
1414	DSTATCOM supported induction generator for improving power quality. <i>IET Renewable Power Generation</i> , <b>2016</b> , 10, 495-503	2.9	29
1413	. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 5367-5376	4.3	29
1412	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
1411	. <i>IEEE Journal of Photovoltaics</i> , <b>2019</b> , 9, 278-286	3.7	29
1410	. <i>IEEE Transactions on Industry Applications</i> , <b>2016</b> , 52, 360-368	4.3	28
1409	Intelligent grid interfaced solar water pumping system. <i>IET Renewable Power Generation</i> , <b>2017</b> , 11, 614-624	2.4	28
1408	Algorithm for power angle control to improve power quality in distribution system using unified power quality conditioner. <i>IET Generation, Transmission and Distribution</i> , <b>2015</b> , 9, 1439-1447	2.5	28
1407	Design and Implementation of Active Power Control With Improved P&O Method for Wind-PV-Battery-Based Standalone Generation System. <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 5590-5600	8.9	28
1406	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
1405	. <i>IEEE Transactions on Industry Applications</i> , <b>2014</b> , 50, 3026-3036	4.3	28
1404	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
1403	Fuzzy control of integrated current-controlled converter-inverter-fed cage induction motor drive. <i>IEEE Transactions on Industry Applications</i> , <b>1999</b> , 35, 405-412	4.3	28
1402	Framework of Gradient Descent Least Squares Regression-Based NN Structure for Power Quality Improvement in PV-Integrated Low-Voltage Weak Grid System. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 9724-9733	8.9	28
1401	Microgrid: Configurations, Control and Applications. <i>IEEE Transactions on Smart Grid</i> , <b>2019</b> , 10, 1290-1302	20.7	28
1400	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
1399	Design and implementation of dynamic electronic load controller for three-phase self-excited induction generator in remote small-hydro power generation. <i>IET Renewable Power Generation</i> , <b>2014</b> , 8, 269-280	2.9	27

1398	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
1397	A Voltage and Frequency Controller for Self-Excited Induction Generators. <i>Electric Power Components and Systems</i> , <b>2006</b> , 34, 141-157	1	27
1396	Transient Analysis of A Three Phase Induction Motor with Single Phase Supply. <i>IEEE Transactions on Power Apparatus and Systems / Technical Operations Committee</i> , <b>1983</b> , PAS-102, 28-37		27
1395	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
1394	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
1393	Dynamic performance of a permanent magnet brushless DC motor powered by a PV array for water pumping. <i>Solar Energy Materials and Solar Cells</i> , <b>1995</b> , 36, 187-200	6.4	26
1392	. <i>IEEE Transactions on Energy Conversion</i> , <b>1994</b> , 9, 217-223	5.4	26
1391	Power Factor Correction in Cuk/SEPIC-Based Dual-Output-Converter-Fed SRM Drive. <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 1117-1127	8.9	25
1390	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
1389	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
1388	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2014</b> , 61, 6004-6012	8.9	25
1387	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
1386	An Improved Power-Quality 30-Pulse AC/DC for Varying Loads. <i>IEEE Transactions on Power Delivery</i> , <b>2007</b> , 22, 1179-1187	4.3	25
1385	T-connected autotransformer-based 24-pulse AC-DC converter for variable frequency induction motor drives. <i>IEEE Transactions on Energy Conversion</i> , <b>2006</b> , 21, 663-672	5.4	25
1384	Pulse multiplication in AC-DC converters for harmonic mitigation in vector-controlled induction motor drives. <i>IEEE Transactions on Energy Conversion</i> , <b>2006</b> , 21, 342-352	5.4	25
1383	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
1382	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
1381	A Novel Fourth-Order Generalized Integrator Based Control Scheme for Multifunctional SECS in the Distribution System. <i>IEEE Transactions on Energy Conversion</i> , <b>2018</b> , 33, 949-958	5.4	24

1380	. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 1119-1127	4.3	24
1379	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
1378	Power Quality Improvement in Conventional Electronic Load Controller for an Isolated Power Generation. <i>IEEE Transactions on Energy Conversion</i> , <b>2008</b> , 23, 764-773	5.4	24
1377	A Comparative Study of Fixed Speed and Variable Speed Wind Energy Conversion Systems Feeding the Grid <b>2007</b> ,		24
1376	Power-quality improvements in vector-controlled induction motor drive employing pulse multiplication in AC-DC converters. <i>IEEE Transactions on Power Delivery</i> , <b>2006</b> , 21, 1578-1586	4.3	24
1375	Performance of sliding-mode and fuzzy controllers for a static synchronous series compensator. <i>IET Generation, Transmission and Distribution</i> , <b>1999</b> , 146, 200		24
1374	Steady-state analysis of single-phase self-excited induction generator. <i>IET Generation, Transmission and Distribution</i> , <b>1999</b> , 146, 421		24
1373	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
1372	. <i>IEEE Transactions on Industry Applications</i> , <b>2017</b> , 53, 5634-5644	4.3	23
1371	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
1370	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
1369	Implementation of four-leg distribution static compensator. <i>IET Generation, Transmission and Distribution</i> , <b>2014</b> , 8, 1127-1139	2.5	23
1368	Buck-boost converter fed BLDC motor drive for solar PV array based water pumping <b>2014</b> ,		23
1367	A 40-Pulse AC-DC Converter Fed Vector-Controlled Induction Motor Drive. <i>IEEE Transactions on Energy Conversion</i> , <b>2008</b> , 23, 403-411	5.4	23
1366	Improvements in the performance of self-excited induction generator through series compensation. <i>IET Generation, Transmission and Distribution</i> , <b>1999</b> , 146, 602		23
1365	Voltage regulator for an isolated self-excited cage induction generator. <i>Electric Power Systems Research</i> , <b>1992</b> , 24, 75-83	3.5	23
1364	A Composite Sliding Mode Controller for Wind Power Extraction in Remotely Located Solar PV/Wind Hybrid System. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 5321-5331	8.9	23
1363	. <i>IEEE Transactions on Power Electronics</i> , <b>2019</b> , 34, 5400-5415	7.2	23

1362	Implementation of PMSM Drive for a Solar Water Pumping System. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 4956-4964	4.3	22
1361	Reduced sensor configuration of brushless DC motor drive using a power factor correction-based modified-zeta converter. <i>IET Power Electronics</i> , <b>2014</b> , 7, 2322-2335	2.2	22
1360	Optimized Passive Filter Design Using Modified Particle Swarm Optimization Algorithm for a 12-Pulse Converter-Fed LCI Synchronous Motor Drive. <i>IEEE Transactions on Industry Applications</i> , <b>2014</b> , 50, 2681-2689	4.3	22
1359	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
1358	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
1357	Implementation and simulation of modified PWM with two current control techniques applied to single-phase shunt hybrid power filter. <i>IET Electric Power Applications</i> , <b>2006</b> , 153, 317		22
1356	An improved electronic load controller for self-excited induction generator in micro-Hydel applications		22
1355	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
1354	A Multifunctional GPV System Using Adaptive Observer Based Harmonic Cancellation Technique. <i>IEEE Transactions on Industrial Electronics</i> , <b>2018</b> , 65, 1347-1357	8.9	22
1353	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
1352	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
1351	. <i>IEEE Transactions on Industry Applications</i> , <b>2012</b> , 48, 1846-1854	4.3	21
1350	. <i>IEEE Transactions on Industry Applications</i> , <b>2010</b> , 46, 94-101	4.3	21
1349	Polygon-Connected Autotransformer-Based 24-Pulse ACDC Converter for Vector-Controlled Induction-Motor Drives. <i>IEEE Transactions on Industrial Electronics</i> , <b>2008</b> , 55, 197-208	8.9	21
1348	Comparative study on the performance of a commercially designed induction generator with induction motors operating as self excited induction generators. <i>IEE Proceedings C: Generation Transmission and Distribution</i> , <b>1993</b> , 140, 374		21
1347	Experience in Design Optimization of Induction Motor Using 'SUMT' Algorithm. <i>IEEE Transactions on Power Apparatus and Systems / Technical Operations Committee</i> , <b>1983</b> , PAS-102, 3379-3384		21
1346	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
1345	. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 1072-1082	4.3	21



1344	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
1343	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
1342	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2016</b> , 12, 524-531	11.9	20
1341	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
1340	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
1339	Analysis and development of a low-cost permanent magnet brushless DC motor drive for PV-array fed water pumping system. <i>Solar Energy Materials and Solar Cells</i> , <b>1998</b> , 51, 55-67	6.4	20
1338	<b>2007</b> ,		20
1337	Harmonic Mitigation in ACDC Converters for Vector Controlled Induction Motor Drives. <i>IEEE Transactions on Energy Conversion</i> , <b>2007</b> , 22, 637-646	5.4	20
1336	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
1335	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
1334	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
1333	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
1332	. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 2656-2664	4.3	19
1331	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
1330	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
1329	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
1328	Transient Analysis of Self-Excited Induction Generator Supplying Dynamic Load. <i>Electric Power Components and Systems</i> , <b>1999</b> , 27, 941-954		19
1327	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

1326	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
1325	A Power Quality Improved EV Charger With Bridgeless Cuk Converter. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 5190-5203	4.3	18
1324	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
1323	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
1322	. <i>IEEE Transactions on Industry Applications</i> , <b>2016</b> , 52, 4408-4415	4.3	18
1321	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
1320	. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 5267-5277	4.3	18
1319	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
1318	BLDC motor driven solar PV array fed water pumping system employing zeta converter <b>2014</b> ,		18
1317	Power Conditioner for Variable-Frequency Drives in Offshore Oil Fields. <i>IEEE Transactions on Industry Applications</i> , <b>2010</b> , 46, 731-739	4.3	18
1316	Recent advances in permanent magnet brushless DC motors. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , <b>1997</b> , 22, 837-853	1	18
1315	Reactive power compensation and load balancing in electric power distribution systems. <i>International Journal of Electrical Power and Energy Systems</i> , <b>1998</b> , 20, 375-381	5.1	18
1314	A Comparative Study of Control Algorithms for DSTATCOM for Load Compensation <b>2006</b> ,		18
1313	A NEW TECHNIQUE FOR THE ANALYSIS OF SELF EXCITED INDUCTION GENERATOR. <i>Electric Power Components and Systems</i> , <b>1995</b> , 23, 647-656		18
1312	Fault Ride-Through Strategy for Two-Stage Grid-Connected Photovoltaic System Enabling Load Compensation Capabilities. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 8913-8924	8.9	18
1311	Robust Position Sensorless Technique for a PMSBLDC Motor. <i>IEEE Transactions on Power Electronics</i> , <b>2018</b> , 33, 6936-6945	7.2	18
1310	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
1309	Hybrid VSSMSMF 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

1308	. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 625-635	4.3	17
1307	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
1306	Development of Wind and Solar Based AC Microgrid With Power Quality Improvement for Local Nonlinear Load Using MLMS. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 7134-7145	4.3	17
1305	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
1304	Adaptive harmonic cancellation scheme for voltage and frequency control of a single-phase two-winding SEIG <b>2015</b> ,		17
1303	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
1302	Power balance theory based control of grid interfaced solar photovoltaic power generating system with improved power quality <b>2012</b> ,		17
1301	Three-phase four-wire dstatcom with H-bridge VSC and star/delta transformer for power quality improvement <b>2008</b> ,		17
1300	An Electronic Voltage and Frequency Controller for Single-Phase Self-Excited Induction Generators for Pico Hydro Applications		17
1299	Performance analysis of adaptive fuzzy logic controller for switched reluctance motor drive system		17
1298	Single-Stage SECS Interfaced With Grid Using ISOGI-FLL-Based Control Algorithm. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 701-711	4.3	17
1297	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
1296	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
1295	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 790-801	11.9	17
1294	Brushless DC motor-driven grid-interfaced solar water pumping system. <i>IET Power Electronics</i> , <b>2018</b> , 11, 1875-1885	2.2	17
1293	Grid synchronisation framework for partially shaded solar PV-based microgrid using intelligent control strategy. <i>IET Generation, Transmission and Distribution</i> , <b>2019</b> , 13, 829-837	2.5	16
1292	Power Factor Improvement in Modified Bridgeless Landsman Converter Fed EV Battery Charger. <i>IEEE Transactions on Vehicular Technology</i> , <b>2019</b> , 68, 3325-3336	6.8	16
1291	LMMN-Based Adaptive Control for Power Quality Improvement of Grid Intertie WindPV System. <i>IEEE Transactions on Industrial Informatics</i> , <b>2019</b> , 15, 4900-4912	11.9	16

1290	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
1289	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
1288	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
1287	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
1286	GI-Based Control Scheme for Single-Stage Grid Interfaced SECS for Power Quality Improvement. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 869-881	4.3	16
1285	Comprehensive Controller Implementation for Wind-PV-Diesel Based Standalone Microgrid. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 5416-5428	4.3	16
1284	Seamless transition of three phase microgrid with load compensation capabilities <b>2017</b> ,		16
1283	Solar PV array fed water pumping system using SEPIC converter based BLDC motor drive <b>2014</b> ,		16
1282	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
1281	Magnetics for neutral current compensation in three-phase four-wire distribution system <b>2010</b> ,		16
1280	Physical phenomenons in two winding single phase Self Excited Induction Generators <b>2012</b> ,		16
1279	An improved hybrid filter for compensation of current and voltage harmonics for varying rectifier loads. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2007</b> , 29, 312-321	5.1	16
1278	A Simplified Control Algorithm for Three-Phase, Four-Wire Unified Power Quality Conditioner. <i>Journal of Power Electronics</i> , <b>2010</b> , 10, 91-96	0.9	16
1277	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
1276	<b>2016</b> ,		16
1275	. <i>IEEE Transactions on Industry Applications</i> , <b>2016</b> , 52, 3332-3339	4.3	16
1274	A Single Input Variable FLC for DFIG-Based WPGS in Standalone Mode. <i>IEEE Transactions on Sustainable Energy</i> , <b>2020</b> , 11, 595-607	8.2	16
1273	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

1272	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
1271	Reduced sensor configuration of a power factor correction based single-ended primary inductance converter fed brushless DC motor drive. <i>IET Power Electronics</i> , <b>2015</b> , 8, 1606-1615	2.2	15
1270	. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 4689-4699	4.3	15
1269	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
1268	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
1267	. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 2438-2448	4.3	15
1266	. <i>IEEE Transactions on Industry Applications</i> , <b>2016</b> , 52, 466-471	4.3	15
1265	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
1264	Modeling and control of autonomous Wind Energy Conversion System with Doubly Fed Induction Generator <b>2010</b> ,		15
1263	Three-Phase 4-Wire DSTATCOM Based on H-Bridge VSC with a Star/Hexagon Transformer for Power Quality Improvement <b>2008</b> ,		15
1262	Digital implementation of an advanced static compensator for voltage profile improvement, power-factor correction and balancing of unbalanced reactive loads. <i>Electric Power Systems Research</i> , <b>2000</b> , 54, 101-111	3.5	15
1261	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
1260	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
1259	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
1258	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
1257	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
1256	Multi-Objective Reconfigurable Three-Phase Off-Board Charger for EV. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 4192-4203	4.3	14
1255	. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 3037-3045	4.3	14

1254	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
1253	Control of a Solar Photovoltaic Integrated Universal Active Power Filter Based on a Discrete Adaptive Filter. <i>IEEE Transactions on Industrial Informatics</i> , <b>2018</b> , 14, 3003-3012	11.9	14
1252	Multi-Objective Control Algorithm for Small Hydro and SPV Generation-Based Dual Mode Reconfigurable System. <i>IEEE Transactions on Smart Grid</i> , <b>2018</b> , 9, 4942-4952	10.7	14
1251	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
1250	Performance Improvement of Grid-Integrated Solar PV System Using DNLMS Control Algorithm. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 78-91	4.3	14
1249	ANOVA Kernel Kalman Filter for Multi-Objective Grid Integrated Solar Photovoltaic-Distribution Static Compensator. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , <b>2019</b> , 66, 4256-4264	3.9	14
1248	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
1247	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
1246	Modified electronic load controller for constant frequency operation with voltage regulation of small hydro driven single-phase SEIG <b>2015</b> ,		14
1245	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
1244	. <i>IEEE Transactions on Industry Applications</i> , <b>2011</b> , 47, 1872-1883	4.3	14
1243	Modified Power Balance Theory for control of DSTATCOM <b>2010</b> ,		14
1242	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
1241	Control of Reduced Rating Dynamic Voltage Restorer with Battery Energy Storage System <b>2008</b> ,		14
1240	Power quality improved single-input dual-output boost converter with reduced components <b>2016</b> ,		14
1239	Design and performance analysis of three-phase solar PV integrated UPQC <b>2016</b> ,		14
1238	Solar PV powered-sensorless BLDC motor driven water pump. <i>IET Renewable Power Generation</i> , <b>2019</b> , 13, 389-398	2.9	14
1237	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



1236	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
1235	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
1234	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
1233	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
1232	An Approach to Design of Energy Efficient Single Phase Induction Motor for Ceiling Fans <b>2019</b> ,		13
1231	Self-Normalized-Estimator-Based Control for Power Management in Residential Grid Synchronized PV-BES Microgrid. <i>IEEE Transactions on Industrial Informatics</i> , <b>2019</b> , 15, 4764-4774	11.9	13
1230	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
1229	Multipulse ACDC Converter Fed 15-Level Cascaded MLI-Based IVCIMD for Medium-Power Application. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 858-868	4.3	13
1228	Grid Integration of Three-Phase Single-Stage PV System Using Adaptive Laguerre Filter Based Control Algorithm Under Nonideal Distribution System. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 6193-6202	4.3	13
1227	Design and implementation of PFC Cuk converter fed SRM drive. <i>IET Power Electronics</i> , <b>2017</b> , 10, 1539-1549	5.49	13
1226	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
1225	Dynamic performance of solar PV integrated UPQC-P for critical loads <b>2015</b> ,		13
1224	A comparative study of adaptive control algorithms in Distribution Static Compensator <b>2013</b> ,		13
1223	Implementation of distribution static compensator for power quality enhancement using learning vector quantisation. <i>IET Generation, Transmission and Distribution</i> , <b>2013</b> , 7, 1244-1252	2.5	13
1222	Design and Implementation of a Current-Controlled Parallel Hybrid Power Filter. <i>IEEE Transactions on Industry Applications</i> , <b>2009</b> , 45, 1910-1917	4.3	13
1221	Dynamic behavior of a three-phase self-excited induction generator for single-phase power generation. <i>Electric Power Systems Research</i> , <b>1998</b> , 48, 37-44	3.5	13
1220	Modeling, Design and Analysis of Different Controllers for DSTATCOM <b>2008</b> ,		13
1219	Neural network-based voltage regulator for an isolated asynchronous generator supplying three-phase four-wire loads. <i>Electric Power Systems Research</i> , <b>2008</b> , 78, 985-994	3.5	13

1218	Design-based performance evaluation of two-winding capacitor self-excited single-phase induction generator. <i>Electric Power Systems Research</i> , <b>2003</b> , 67, 89-97	3.5	13
1217	Digital implementation of a new type of hybrid filter with simplified control strategy <b>1999</b> ,		13
1216	. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 787-799	4.3	13
1215	An experimental study of power quality issues in ceramic insulator industry <b>2016</b> ,		13
1214	Generalized electronic controller for multi-pulse battery charging systems <b>2016</b> ,		13
1213	Optimal operation of PV-DG-battery based microgrid with power quality conditioner. <i>IET Renewable Power Generation</i> , <b>2019</b> , 13, 418-426	2.9	13
1212	. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 1863-1872	4.3	13
1211	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
1210	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
1209	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
1208	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
1207	A single stage solar PV array based water pumping system using SRM drive <b>2016</b> ,		12
1206	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
1205	A SOGI-Q based control algorithm for multifunctional grid connected SECS <b>2014</b> ,		12
1204	Performance of grid interfaced solar PV system under variable solar intensity <b>2014</b> ,		12
1203	Temperature dependent analysis of thermoelectric module using Matlab/SIMULINK <b>2012</b> ,		12
1202	Harmonics Mitigation in LCI-Fed Synchronous Motor Drives. <i>IEEE Transactions on Energy Conversion</i> , <b>2010</b> , 25, 369-380	5.4	12
1201	Autonomous hybrid system using SCIG for hydro power generation and variable speed PMSG for wind power generation <b>2009</b> ,		12

1200	Three-Leg Voltage Source Converter Integrated with T-connected Transformer as Three-phase Four-wire Distribution Static Compensator for Power Quality Improvement. <i>Electric Power Components and Systems</i> , <b>2009</b> , 37, 817-831	1	12
1199	Autoconnected transformer-based 18-pulse ac/dc converter for power quality improvement in switched mode power supplies. <i>IET Power Electronics</i> , <b>2010</b> , 3, 525	2.2	12
1198	Voltage and frequency controller for an autonomous micro hydro generating system <b>2008</b> ,		12
1197	Integrated three-leg VSC with a zig-zag transformer based three-phase four-wire DSTATCOM for power quality improvement <b>2008</b> ,		12
1196	Analysis of switched reluctance motor drive under fault conditions		12
1195	. <i>IEEE Transactions on Power Electronics</i> , <b>1990</b> , 5, 117-123	7.2	12
1194	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
1193	A novel DC bus voltage sensorless PFC rectifier with improved voltage dynamics		12
1192	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
1191	Recognition of Underlying Causes of Power Quality Disturbances Using Stockwell Transform. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2020</b> , 69, 2798-2807	5.2	12
1190	Robust Normalized Mixed-Norm Adaptive Control Scheme for PQ Improvement at PCC of a Remotely Located WindSolar PV-BES Microgrid. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 1708-1721	11.9	12
1189	Three-Phase Grid-Interactive Solar PV-Battery Microgrid Control Based on Normalized Gradient Adaptive Regularization Factor Neural Filter. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 2301-2314	11.9	12
1188	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
1187	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
1186	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
1185	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
1184	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
1183	Power quality improvement of single phase weak grid interfaced hybrid solar PV and wind system using double fundamental signal extractor-based control. <i>IET Generation, Transmission and Distribution</i> , <b>2019</b> , 13, 3988-3998	2.5	11

1182	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
1181	Solar PV array fed water pumping using BLDC motor drive with boost-buck converter <b>2015</b> ,		11
1180	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
1179	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
1178	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
1177	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
1176	MLP Control Algorithm for Adaptable Dual-Mode Single-Stage Solar PV System Tied to Three-Phase Voltage-Weak Distribution Grid. <i>IEEE Transactions on Industrial Informatics</i> , <b>2018</b> , 14, 2530-2538	11.9	11
1175	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
1174	Induction motor drive for PV water pumping with reduced sensors. <i>IET Power Electronics</i> , <b>2018</b> , 11, 1903-1913	11.3	11
1173	Seamless Control of Solar PV Grid Interfaced System With Islanding Operation. <i>IEEE Power and Energy Technology Systems Journal</i> , <b>2019</b> , 6, 162-171	4.3	11
1172	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
1171	A PFC based BLDC motor drive using a Bridgeless Zeta converter <b>2013</b> ,		11
1170	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
1169	Grid integration of solar PV power generating system using QPLL based control algorithm <b>2014</b> ,		11
1168	Distributed generation [Basic policy, perspective planning, and achievement so far in india <b>2009</b> ,		11
1167	Harmonic mitigator based on 12-pulse ac/dc converter for switched mode power supply. <i>IET Power Electronics</i> , <b>2010</b> , 3, 947	2.2	11
1166	Fuzzy control algorithm for universal active filter		11
1165	Application of Battery Energy Operated System to Isolated Power Distribution Systems <b>2007</b> ,		11

1164	Optimum Utilization of Single-Phase Induction Machine as a Capacitor Self-Excited Induction Generator. <i>Electric Power Components and Systems</i> , <b>1987</b> , 13, 73-85		11
1163	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
1162	Second-Order Volterra-Filter-Based Control of a Solar PV-DSTATCOM System to Achieve Lyapunov's Stability. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 670-679	4.3	11
1161	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
1160	. <i>IEEE Transactions on Industry Applications</i> , <b>2017</b> , 53, 1552-1561	4.3	10
1159	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
1158	MPPT control technique for solar powered direct torque control of induction motor drive with a robust speed and parameters adaptation scheme for water pumping. <i>IET Renewable Power Generation</i> , <b>2019</b> , 13, 273-284	2.9	10
1157	An adjustable speed PFC bridgeless-SEPIC fed brushless DC motor drive <b>2015</b> ,		10
1156	Solid-state control for reactive power compensation and power quality improvement of wound field synchronous generator-based diesel generator sets. <i>IET Electric Power Applications</i> , <b>2015</b> , 9, 397-404 <sup>18</sup>		10
1155	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
1154	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
1153	Multi-resonant FLL-based control algorithm for grid interfaced multi-functional solar energy conversion system. <i>IET Science, Measurement and Technology</i> , <b>2018</b> , 12, 49-62	1.5	10
1152	Fuzzy logic gain-tuned adaptive second-order GI-based multi-objective control for reliable operation of grid-interfaced photovoltaic system. <i>IET Generation, Transmission and Distribution</i> , <b>2018</b> , 12, 1153-1163	2.5	10
1151	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
1150	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
1149	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
1148	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
1147	Hybrid AC-DC standalone system based on PV array and wind turbine <b>2014</b> ,		10

1146	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
1145	Power Quality Improved PMBLDCM Drive for Adjustable Speed Application with Reduced Sensor Buck-Boost PFC Converter <b>2011</b> ,		10
1144	Voltage controlled PFC Zeta converter based PMBLDCM drive for an air-conditioner <b>2010</b> ,		10
1143	Analysis of a novel active filter for balancing and reactive power compensation <b>1998</b> ,		10
1142	Modelling and Simulation of Power Factor Corrected AC-DC Converters. <i>International Journal of Electrical Engineering and Education</i> , <b>2004</b> , 41, 244-264	0.6	10
1141	DYNAMIC MODELS FOR THE TRANSIENT ANALYSIS OF INDUCTION MACHINES WITH ASYMMETRICAL WINDING CONNECTIONS. <i>Electric Power Components and Systems</i> , <b>1981</b> , 6, 479-492		10
1140	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
1139	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
1138	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
1137	An Efficient Control Scheme of Self-Reliant Solar-Powered Water Pumping System Using a Three-Level DCDC Converter. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2020</b> , 8, 3669-3681	5.6	10
1136	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
1135	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
1134	. <i>IEEE Industry Applications Magazine</i> , <b>2017</b> , 23, 37-50	0.6	9
1133	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
1132	Adaptive speed estimation with fuzzy logic control for PV-grid interactive induction motor drive-based water pumping. <i>IET Power Electronics</i> , <b>2019</b> , 12, 1554-1562	2.2	9
1131	Design and Implementation of Adaptive NeuroBuzzy Inference System Based Control Algorithm for Distribution Static Compensator. <i>Electric Power Components and Systems</i> , <b>2015</b> , 43, 1741-1751	1	9
1130	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
1129	Multi-objective reconfigurable three phase off-board charger for EV <b>2017</b> ,		9



1128	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
1127	Double stage solar PV array fed water pump driven by permanent magnet synchronous motor <b>2016</b> ,		9
1126	Dual-function PV-ECS integrated to 3P4W distribution grid using 3M-PLL control for active power transfer and power quality improvement. <i>IET Renewable Power Generation</i> , <b>2018</b> , 12, 920-927	2.9	9
1125	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
1124	Power quality improvement in grid integrated solar water pumping system using Vienna converter. <i>International Transactions on Electrical Energy Systems</i> , <b>2019</b> , 29, e12129	2.2	9
1123	Vector-Based Synchronization Method for Grid Integration of Solar PV-Battery System. <i>IEEE Transactions on Industrial Informatics</i> , <b>2019</b> , 15, 4923-4933	11.9	9
1122	Disturbance Rejection Through Adaptive Frequency Estimation Observer for Wind-Solar Integrated AC Microgrid. <i>IEEE Transactions on Industrial Informatics</i> , <b>2019</b> , 15, 6035-6047	11.9	9
1121	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
1120	BLDC motor driven water pump fed by solar photovoltaic array using boost converter <b>2015</b> ,		9
1119	An offset reduction second order generalized integrator based control algorithm for single-phase S-DSTATCOM <b>2015</b> ,		9
1118	Solar photovoltaic array fed Luo converter based BLDC motor driven water pumping system <b>2014</b> ,		9
1117	Grid integration of large capacity solar PV plant using multipulse VSC with robust PLL based control <b>2014</b> ,		9
1116	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
1115	Investigations on solar PV grid interfaced power generating system using two-level twelve-pulse double bridge converter <b>2014</b> ,		9
1114	A single sensor based PFC Zeta converter Fed BLDC motor drive for fan applications <b>2012</b> ,		9
1113	<b>2012</b> ,		9
1112	DICM and DCVM of a PFC-based SEPIC-fed PMBLDCM Drive. <i>IETE Journal of Research</i> , <b>2013</b> , 59, 141	0.9	9
1111	An enhanced phase locked loop technique for voltage and frequency control of stand-alone wind energy conversion system <b>2011</b> ,		9

1110	Application of Battery Energy Storage System (BESS) in voltage control and damping of power oscillations <b>2010</b> ,		9
1109	Autonomous hybrid system using PMSGs for hydro and wind power generation <b>2009</b> ,		9
1108	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
1107	Control of 4-Leg VSC based DSTATCOM using modified Instantaneous Symmetrical Component Theory <b>2009</b> ,		9
1106	Star/Hexagon Transformer Based Three-Phase Four-Wire DSTATCOM for Power Quality Improvement. <i>International Journal of Emerging Electric Power Systems</i> , <b>2008</b> , 9,	1.4	9
1105	Stand alone wind power generating system employing permanent magnet synchronous generator <b>2008</b> ,		9
1104	An autotransformer-based 36-pulse controlled AC-DC converter. <i>IETE Journal of Research</i> , <b>2008</b> , 54, 255-260	0.9	9
1103	DSP-based implementation of an improved control algorithm of a three-phase active filter for compensation of unbalanced non-linear loads. <i>European Transactions on Electrical Power</i> , <b>2007</b> , 10, 29-35		9
1102			9
1101	Intelligent Tuned PID Controllers for PMSM Drive - A Critical Analysis <b>2006</b> ,		9
1100	A Solid State Compensator with Energy Storage for Isolated Diesel Generator Set <b>2006</b> ,		9
1099	Direct torque control: a practical approach to electric vehicle <b>2006</b> ,		9
1098	Improved power quality converter fed permanent magnet AC motor for air-conditioning. <i>Electric Power Systems Research</i> , <b>2003</b> , 65, 239-245	3.5	9
1097	Experimental Investigations on a Permanent Magnet Brushless DC Motor Fed by a PV Array for a Water Pumping System. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , <b>2000</b> , 122, 129-132	3.3	9
1096	INVESTIGATIONS ON DYNAMIC BEHAVIOR OF PERMANENT MAGNET BRUSHLESS DC MOTOR DRIVE. <i>Electric Power Components and Systems</i> , <b>1995</b> , 23, 689-701		9
1095	Direct Single-stage Power Converter with Power Factor Improvement for Switched Mode Power Supply. <i>Journal of Electrical Engineering and Technology</i> , <b>2010</b> , 5, 468-476	1.4	9
1094	Stand-Alone Wind Energy Conversion System with an Asynchronous Generator. <i>Journal of Power Electronics</i> , <b>2010</b> , 10, 538-547	0.9	9
1093	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

1092	Solar array fed water pumping system using induction motor drive <b>2016</b> ,		9
1091	Power quality improvement using bridgeless-Landsman converter for LED driver. <i>IET Power Electronics</i> , <b>2016</b> , 9, 2591-2601	2.2	9
1090	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 7765-7777	8.9	9
1089	Robust EnKF With Improved RCGA-Based Control for Solar Energy Conversion Systems. <i>IEEE Transactions on Industrial Electronics</i> , <b>2019</b> , 66, 7728-7740	8.9	9
1088	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
1087	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
1086	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
1085	. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 588-597	4.3	9
1084	Wind energy conversion system using PMSG <b>2015</b> ,		8
1083	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
1082	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
1081	. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 5254-5266	11.9	8
1080	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
1079	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
1078	Modified p-q theory based control of solar PV integrated UPQC-S <b>2016</b> ,		8
1077	An EV battery charger with power factor corrected bridgeless zeta converter topology <b>2016</b> ,		8
1076	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
1075	Implementation of the DSTATCOM With an i-PNLMS-Based Control Algorithm Under Abnormal Grid Conditions. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 5640-5648	4.3	8

1074	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
1073	A new configuration of two-level 48-pulse VSCs based STATCOM for voltage regulation. <i>Electric Power Systems Research</i> , <b>2012</b> , 82, 11-17	3.5	8
1072	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
1071	. <i>IEEE Transactions on Industry Applications</i> , <b>2017</b> , 53, 4894-4902	4.3	8
1070	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
1069	Enhancement of power quality using solar PV integrated UPQC <b>2015</b> ,		8
1068	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
1067	Power quality improvements in diesel engine driven induction generator system using SRF theory <b>2012</b> ,		8
1066	Doubly fed induction generator-based off-grid wind energy conversion systems feeding dynamic loads. <i>IET Power Electronics</i> , <b>2013</b> , 6, 1917-1926	2.2	8
1065	A Reduced Sensor Power Factor Corrected Bridgeless Flyback Converter Fed Brushless DC Motor Drive. <i>Electric Power Components and Systems</i> , <b>2013</b> , 41, 1114-1128	1	8
1064	IRPT based control of a 50 kw grid interfaced solar photovoltaic power generating system with power quality improvement <b>2013</b> ,		8
1063	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
1062	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
1061	Independent voltage and frequency controller for a parallel operated isolated three-phase asynchronous generators. <i>European Transactions on Electrical Power</i> , <b>2009</b> , 19, 839-853		8
1060	Harmonic optimised 24-pulse voltage source converter for high voltage DC systems. <i>IET Power Electronics</i> , <b>2009</b> , 2, 563-573	2.2	8
1059	24-pulse ac/dc converter for harmonic mitigation. <i>IET Power Electronics</i> , <b>2009</b> , 2, 364-374	2.2	8
1058	Experience in the development of microhydel grid independent power generation scheme using induction generators for Indian conditions		8
1057	Isolated H-bridge VSC Based 3-phase 4-wire DSTATCOM for power quality improvement <b>2008</b> ,		8

1056	Multipulse improved-power-quality ACDC convertors for vector-controlled induction-motor drives. <i>IET Electric Power Applications</i> , <b>2006</b> , 153, 88		8
1055	Voltage and Frequency Controller for Isolated Asynchronous Generators Feeding 3-Phase 4-Wire Loads <b>2006</b> ,		8
1054	Power Quality Improvements in Isolated Twelve-Pulse AC-DC Converters Using Delta/Double-Polygon Transformer <b>2007</b> ,		8
1053	Power Quality Enhancement with DSTATCOM for Small Isolated Alternator feeding Distribution System		8
1052	Neural Network Based DSTATCOM Controller for Three-phase, Three-wire System <b>2006</b> ,		8
1051	Performance Comparison of High Frequency Isolated AC-DC Converters for Power Quality Improvement at Input AC Mains <b>2006</b> ,		8
1050	Optimal tooth-geometry for specific performance requirements of a hybrid stepper motor. <i>IEEE Transactions on Magnetics</i> , <b>2003</b> , 39, 3010-3012	2	8
1049	A practical load controller for stand alone small hydro systems using self excited induction generator		8
1048	Improved power quality based high brightness LED lamp driver. <i>International Journal of Engineering, Science and Technology</i> , <b>2018</b> , 4, 135-141	1.4	8
1047	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
1046	Analysis of a Harmonics Neutralized 48-Pulse STATCOM with GTO Based Voltage Source Converters. <i>Journal of Electrical Engineering and Technology</i> , <b>2008</b> , 3, 391-400	1.4	8
1045	Multifunctional Control for PV-Integrated Battery Energy Storage System With Improved Power Quality. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 6835-6845	4.3	8
1044	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
1043	Performance of SPV array fed pumping system with synchronous reluctance motor drive <b>2016</b> ,		8
1042	Design and control of micro-grid fed by renewable energy generating sources <b>2016</b> ,		8
1041	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
1040	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
1039	A Maximum Correntropy Criteria Based Adaptive Algorithm for an Improved Power Quality SPV System <b>2018</b> ,		8

1038	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
1037	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
1036	. <i>IEEE Transactions on Industry Applications</i> , <b>2017</b> , 53, 2392-2400	4.3	7
1035	Analysis and Control of Weak Grid Interfaced Autonomous Solar Water Pumping System for Industrial and Commercial Applications. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 7207-7218	4.3	7
1034	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
1033	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
1032	Bridgeless ZETA PFC converter for low voltage high current LED driver <b>2017</b> ,		7
1031	Design and Development of Rotor Quality Test System for Die-Cast Copper Rotors. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 2105-2114	4.3	7
1030	A FFP-Based Adaptive Control of an SPV System Tied to a Weak Grid. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 3112-3121	4.3	7
1029	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
1028	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
1027	Implementation and control of small-scale hybrid standalone power generation system employing wind and solar energy <b>2016</b> ,		7
1026	Zeta converter for power quality improvement for multi-string LED driver <b>2016</b> ,		7
1025	Design of SRM driven BESS based PV powered water pumping system <b>2016</b> ,		7
1024	A PFC based EV battery charger using a bridgeless SEPIC converter <b>2016</b> ,		7
1023	An improved P&O MPPT algorithm for single stage three-phase grid integrated solar PV system <b>2016</b> ,		7
1022	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
1021	Grid-interfaced solar PV powered electric vehicle battery system with novel adaptive digital control algorithm. <i>IET Power Electronics</i> , <b>2019</b> , 12, 3470-3478	2.2	7



1020	Solar PV array fed direct torque controlled induction motor drive for water pumping <b>2015</b> ,		7
1019	Power factor-corrected DCM-based electronic ballast. <i>Electrical Engineering</i> , <b>2013</b> , 95, 403-411	1.5	7
1018	Optimum utilisation of self-excited induction generator. <i>IET Electric Power Applications</i> , <b>2013</b> , 7, 680-692	1.8	7
1017	A comparative analysis of different magnetics supported three-phase four-wire unified power quality conditioners DA simulation study. <i>International Journal of Electrical Power and Energy Systems</i> , <b>2013</b> , 47, 436-447	5.1	7
1016	Bridgeless buck-boost PFC converter for multistring LED driver <b>2017</b> ,		7
1015	<b>2015</b> ,		7
1014	Grid integration of single stage SPV system using asymmetric cascaded 7-level VSC <b>2015</b> ,		7
1013	A SOGI-FLL based control algorithm for single phase grid interfaced multifunctional SPV under non ideal distribution system <b>2014</b> ,		7
1012	Control of DSTATCOM using adjustable step least mean square control algorithm <b>2012</b> ,		7
1011	Electric vehicle and grid interface with modified PWM rectifier and DC-DC converter with power decoupling and unity power factor <b>2012</b> ,		7
1010	Performance evaluation of a low power solar-PV energy system with SEPIC converter <b>2011</b> ,		7
1009	Vector Control vs Direct Torque Control comparative evaluation for PMSM drive <b>2010</b> ,		7
1008	Improved 48-pulse static synchronous compensator for high-voltage applications. <i>IET Power Electronics</i> , <b>2010</b> , 3, 355	2.2	7
1007	Performance of Wind Energy Conversion System Using a Doubly Fed Induction Generator for Maximum Power Point Tracking <b>2010</b> ,		7
1006	An improved high-resolution hybrid stepper motor for solar-array drive of Indian remote-sensing satellite. <i>IEEE Transactions on Industry Applications</i> , <b>1997</b> , 33, 906-913	4.3	7
1005	A universal active power filter for single-phase reactive power and harmonic compensation		7
1004	A 24-pulse AC-DC converter employing a pulse doubling technique for vector-controlled induction motor drives. <i>IETE Journal of Research</i> , <b>2008</b> , 54, 314	0.9	7
1003	Active power filter for harmonic and reactive power compensation in three-phase, four-wire systems supplying non-linear loads. <i>European Transactions on Electrical Power</i> , <b>2007</b> , 8, 139-145		7

1002	A Tapped Star Connected Autotransformer Based 24-Pulse AC-DC Converter for Power Quality Improvement in Induction Motor Drives. <i>International Journal of Emerging Electric Power Systems</i> , <b>2006</b> , 7,	1.4	7
1001	DSP Based Implementation of Fuzzy Precompensated PI Speed Controller for Vector Controlled PMSM Drive <b>2006</b> ,		7
1000	Analysis and Design of Voltage and Frequency Controllers for Isolated Asynchronous Generators in Constant Power Applications <b>2006</b> ,		7
999	Star connected autotransformer based 30-pulse AC-DC converter for power quality improvement in vector controlled induction motor drives <b>2006</b> ,		7
998	A Steady State Analysis on Voltage and Frequency Control of Self-Excited Induction Generator in Micro-Hydro System <b>2006</b> ,		7
997	A new control scheme of series active filter for varying rectifier loads		7
996	Improved Steady State and Transient Performance With Optimum Excitation of Single-Phase Self-Excited Induction Generator. <i>Electric Power Components and Systems</i> , <b>2000</b> , 28, 591-604		7
995	Design of an energy efficient motor for irrigation pumps operating under realistic conditions. <i>IET Electric Power Applications</i> , <b>1994</b> , 141, 269		7
994	Analysis, Design, and Implementation of a Single-Phase Power-Factor Corrected AC-DC Zeta Converter with High Frequency Isolation. <i>Journal of Electrical Engineering and Technology</i> , <b>2008</b> , 3, 243-254	1.4	7
993	. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , <b>2020</b> , 8, 2989-3000	5.6	7
992	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
991	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
990	Three-Phase Four-Wire PV System for Grid Interconnection at Weak Grid Conditions. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 7077-7087	4.3	7
989	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
988	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
987	Solar PV array fed brushless DC motor driven water pump <b>2016</b> ,		7
986	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
985	Implementation of Immune Feedback Control Algorithm for Distribution Static Compensator. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 918-927	4.3	7

984	. <i>IEEE Transactions on Sustainable Energy</i> , <b>2019</b> , 10, 1950-1959	8.2	7
983	Power Quality Enhancement Using Euclidean Direction Search Based Control Technique. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 2231-2240	8.9	7
982	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
981	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
980	A Solar PV, BES, Grid and DG Set Based Hybrid Charging Station for Uninterruptible Charging at Minimized Charging Cost <b>2018</b> ,		7
979	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
978	An Improved Battery Charger for Electric Vehicle with High Power Factor <b>2018</b> ,		7
977	Design and analysis of improved second order generalized integrator-based voltage and frequency controller for permanent magnet synchronous generator operating in small-hydro system feeding single-phase loads. <i>International Transactions on Electrical Energy Systems</i> , <b>2019</b> , 29, e2827	2.2	6
976	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
975	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
974	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
973	dPLL-based control of a hybrid wind-solar grid connected inverter in the distribution system. <i>IET Power Electronics</i> , <b>2018</b> , 11, 952-960	2.2	6
972	. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 121-134	4.3	6
971	An Implementation of Renewable Energy Based Grid Interactive Charging Station <b>2019</b> ,		6
970	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
969	Voltage and frequency controllers for standalone wind energy conversion systems. <i>IET Renewable Power Generation</i> , <b>2014</b> , 8, 707-721	2.9	6
968	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
967	Buck-boost converter fed SRM drive for solar PV array based water pumping <b>2015</b> ,		6

966	Parameters estimation of a series VSC and shunt VSC to design a unified power quality conditioner (UPQC) <b>2015,</b>	6
965	Control and implementation of a standalone solar photo-voltaic hybrid system <b>2015,</b>	6
964	Improved power quality opto-couplerless Cuk converter for flickerless LED lighting <b>2015,</b>	6
963	Grid integration of single stage solar PV power generating system using 12-pulse VSC <b>2014,</b>	6
962	Reactive power estimation based control of self supported dynamic voltage restorer (DVR) <b>2012,</b>	6
961	Power factor correction and zero voltage regulation in distribution system using DSTATCOM <b>2012,</b>	6
960	LLC series resonant converter based LED lamp driver with ZVS <b>2012,</b>	6
959	Three-phase single stage medium power supply using Cuk converter <b>2012,</b>	6
958	Power quality improvement in switched reluctance motor drive using Vienna rectifier <b>2012,</b>	6
957	Vector control of squirrel-cage induction generator for stand-alone wind power generation <b>2012,</b>	6
956	<b>2013,</b>	6
955	Analysis and design of isolated solar-PV energy generating system <b>2011,</b>	6
954	Power quality issues related to distributed energy source integration to utility grids <b>2010,</b>	6
953	Three-Level 24-Pulse STATCOM with Pulse Width Control at Fundamental Frequency Switching <b>2010,</b>	6
952	<b>2010,</b>	6
951	SRF theory for voltage and frequency control of IAG based wind power generation <b>2009,</b>	6
950	BESS Based Voltage and Frequency Controller for Stand Alone Wind Energy Conversion System Employing PMSG <b>2009,</b>	6
949	Power Balance Theory Based Control of an Electronic Load Controller for an Isolated Asynchronous Generator Driven by Uncontrolled Pico Hydro Turbine <b>2009,</b>	6

948	<b>2008,</b>		6
947	Improved Power Quality Based Controller for a 3-Phase 4-Wire Isolated Wind Energy System <b>2007,</b>		6
946	Voltage Regulation and Power Flow Control of VSC Based HVDC System <b>2006,</b>		6
945	Zigzag Connected Autotransformer Based Controlled AC-DC Converter for Pulse Multiplication <b>2007,</b>		6
944	Water, water...anywhere. <i>IEEE Industry Applications Magazine</i> , <b>2006</b> , 12, 65-76	0.6	6
943	Modelling of STATCOM Based Voltage Regulator for Self-Excited Induction Generator with Dynamic Loads <b>2006,</b>		6
942	Static torque profiles of a hybrid stepper motor having relative eccentricity between stator and rotor axes. <i>Journal of Applied Physics</i> , <b>2003</b> , 93, 8701-8703	2.5	6
941			6
940	Fuzzy Logic based Speed Controllers for Vector Controlled Induction Motor Drive. <i>IETE Journal of Research</i> , <b>2002</b> , 48, 441-447	0.9	6
939	Sliding Mode Control of a Mechanical Speed Sensorless dc Motor Drive Fed from a Current Controlled Chopper. <i>Electric Power Components and Systems</i> , <b>2002</b> , 30, 863-875	1	6
938	Hybrid fuzzy logic proportional plus conventional integral-derivative controller for permanent magnet brushless DC motor		6
937	Advanced controlled series compensated self-excited induction generator		6
936	Performance analysis of a closed-loop field oriented cage induction motor drive. <i>Electric Power Systems Research</i> , <b>1994</b> , 29, 69-81	3.5	6
935	Design optimization of a capacitor self-excited cage induction generator. <i>Electric Power Systems Research</i> , <b>1991</b> , 22, 71-76	3.5	6
934	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
933	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
932	Efficient Switch Mode Power Supply Design with Minimum Components for 5W Output Power. <i>Journal of Electrical Engineering and Technology</i> , <b>2009</b> , 4, 79-86	1.4	6
931	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

930	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
929	Grid interfaced solar PV based water pumping using brushless DC motor drive <b>2016</b> ,		6
928	Grid interactive bidirectional solar PV array fed water pumping system <b>2016</b> ,		6
927	Wind-PV based microgrid and its synchronization with utility grid <b>2016</b> ,		6
926	Adaptive control scheme for three-phase four wire grid tied SPV system with DSTATCOM capabilities <b>2016</b> ,		6
925	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
924	. <i>IEEE Transactions on Power Electronics</i> , <b>2020</b> , 35, 968-976	7.2	6
923	Sensorless SynRG Based Variable Speed Wind Generator and Single-Stage Solar PV Array Integrated Grid System With Maximum Power Extraction Capability. <i>IEEE Transactions on Industrial Electronics</i> , <b>2020</b> , 67, 7529-7539	8.9	6
922	Unbiased Circular Leakage Centered Adaptive Filtering Control For Power Quality Improvement of WindSolar PV Energy Conversion System. <i>IEEE Transactions on Sustainable Energy</i> , <b>2020</b> , 11, 1347-1357	8.2	6
921	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
920	. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 549-558	4.3	6
919	Unified Power Quality Conditioner Analysis Design and Control <b>2018</b> ,		6
918	. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 4494-4505	4.3	6
917	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
916	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
915	Self-regulated DC-link control of synchronous reluctance motor-driven solar water pumping system. <i>IET Power Electronics</i> , <b>2019</b> , 12, 3220-3230	2.2	5
914	Performance-Based Design of Induction Motor Drive for Single-Stage PV Array Fed Water Pumping. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 4286-4297	4.3	5
913	Multimode operation of PV-battery system with renewable intermittency smoothening and enhanced power quality. <i>IET Renewable Power Generation</i> , <b>2019</b> , 13, 887-897	2.9	5



912	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
911	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
910	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
909	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
908	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
907	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
906	Grid interactive solar PV based water pumping using BLDC motor drive <b>2016</b> ,		5
905	A unity power factor converter with isolation for electric vehicle battery charger <b>2018</b> ,		5
904	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
903	Harmony Search with Wavelet Mutation evolutionary approach for ramp rate constrained unit commitment <b>2015</b> ,		5
902	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
901	Real-time hardware testing, control and performance analysis of hybrid cost-effective wind-PV-diesel standalone power generation system <b>2017</b> ,		5
900	Landsman based PFC with PWM dimming for high brightness LED driver <b>2015</b> ,		5
899	Solar photovoltaic array fed canonical switching cell converter based BLDC motor drive for water pumping system <b>2014</b> ,		5
898	Power factor correction in sensorless BLDC motor drive <b>2014</b> ,		5
897	Symmetrical components based technique for power quality event detection and classification <b>2014</b> ,		5
896	Performance evaluation of an isolated system using PMSG based DG set, SPV array and BESS <b>2014</b> ,		5
895	Admittance based control algorithm for DSTATCOM in three phase four wire system <b>2012</b> ,		5

894	Vehicle to grid and grid to vehicle bidirectional power flow at unity power factor with DC ripple compensation <b>2012</b> ,		5
893	Analysis, design and control of a standalone hybrid renewable energy conversion system <b>2013</b> ,		5
892	Improved Power Quality IHQRR-BIFRED Converter Fed BLDC Motor Drive. <i>Journal of Power Electronics</i> , <b>2013</b> , 13, 256-263	0.9	5
891	A robust control algorithm for self supported dynamic voltage restorer (DVR) <b>2011</b> ,		5
890	Isolated Zeta PFC converter based voltage controlled PMBLDCM drive for air-conditioning application <b>2011</b> ,		5
889	State of art on condition monitoring of induction motors <b>2010</b> ,		5
888	Parallel Operation of Permanent Magnet Generators in Autonomous Wind Energy Conversion System <b>2010</b> ,		5
887	Implementation of single-phase synchronous d-q reference frame controller for shunt active filter under distorted voltage condition <b>2010</b> ,		5
886	A novel approach to minimize torque ripples in DTC induction motor drive <b>2010</b> ,		5
885	Electronic load controller using Icos algorithm for standalone induction generator <b>2010</b> ,		5
884	A comparative analysis of three-phase four-wire UPQC topologies <b>2010</b> ,		5
883	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
882	Three-Level 12-Pulse STATCOM with Constant DC Link Voltage <b>2009</b> ,		5
881	A novel method for extraction of speed from resolver output using neural network in vector control of PMSM <b>2011</b> ,		5
880	Three-phase push-pull modular converter based welding power supply with improved power quality <b>2012</b> ,		5
879	DSP based implementation of a three-phase four-wire DSTATCOM for voltage regulation and power quality improvement <b>2009</b> ,		5
878	Voltage controlled PFC SEPIC converter fed PMBLDCM drive for an air-conditioner <b>2010</b> ,		5
877	Performance comparison of UPQC and Active Power Filters for a non-linear load <b>2010</b> ,		5

876	Power quality improvement in load commutated inverter-fed synchronous motor drives. <i>IET Power Electronics</i> , <b>2010</b> , 3, 411	2.2	5
875	Zig-zag transformer based electronic load controller for an isolated asynchronous generator <b>2008</b> ,		5
874	A frequency based electronic load controller for an isolated asynchronous generator feeding 3-phase 4-wire loads <b>2008</b> ,		5
873	A 28-pulse ACDC converter for line current harmonic reduction. <i>IET Power Electronics</i> , <b>2008</b> , 1, 287	2.2	5
872	DSTATCOM with reduced switches using two-leg VSC and a zig-zag transformer for power quality improvement in three-phase four-wire distribution system <b>2008</b> ,		5
871	Pulse Doubling in 18-Pulse AC-DC Converters <b>2007</b> ,		5
870	Improved DSVM-DTC Based Current Sensorless Permanent Magnet Synchronous Motor Drive <b>2007</b> ,		5
869	Improved power quality AC-DC converter for electric multiple units in electric traction <b>2006</b> ,		5
868	Neural Network Based Control of DSTATCOM with Rating Reduction for Three-Phase Four-Wire System		5
867	Adaline based control of battery energy storage system for diesel generator set <b>2006</b> ,		5
866	A New 24-Pulse STATCOM for Voltage Regulation <b>2006</b> ,		5
865	DSP Based Implementation of Hybrid Speed Controller for Vector Controlled Permanent Magnet Synchronous Motor Drive <b>2006</b> ,		5
864	Analysis, simulation and control of DSTATCOM in three-phase, four-wire isolated distribution systems <b>2006</b> ,		5
863	<b>2006</b> ,		5
862	Novel methods of temperature compensation for permanent magnet sensors and actuators. <i>IEEE Transactions on Magnetics</i> , <b>2001</b> , 37, 1995-1997	2	5
861	Finite element analysis to achieve optimum geometry of switched reluctance motor		5
860	Power factor correction and load balancing in three-phase distribution systems		5
859	A new control scheme of series hybrid active filter		5

858	Capacitive VAr controllers for induction generators for autonomous power generation		5
857	Steady-state analysis of a self-excited induction generator with an AC-DC conversion scheme for small-scale generation. <i>Electric Power Systems Research</i> , <b>1991</b> , 20, 95-104	3.5	5
856	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
855	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
854	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
853	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
852	. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 5396-5407	4.3	5
851	Grid Synchronization of WEC-PV-BES Based Distributed Generation System Using Robust Control Strategy. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 7088-7098	4.3	5
850	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
849	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
848	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
847	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
846	Discrete adaptive notch filter based single phase solar PV integrated UPQC <b>2016</b> ,		5
845	Windowing factor based control algorithm for grid integrated SPV system <b>2016</b> ,		5
844	Grid integration of single stage SPV system using NLMS filtering control technique <b>2016</b> ,		5
843	Three-phase four-wire wind-diesel based microgrid <b>2016</b> ,		5
842	An Improved SEPIC PFC Converter for Electric Vehicle Battery Charger <b>2019</b> ,		5
841	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

840	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 3137-3147	8.9	5
839	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
838	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
837	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
836	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
835	Implementation of Solar PV-Battery and Diesel Generator Based Electric Vehicle Charging Station <b>2018</b> ,		5
834	Isolated Cuk Converter with Two Symmetrical Output voltages For SRM Drive <b>2018</b> ,		5
833	Energy Management Strategy of Solar PV-Battery and Diesel Generator Based Electric Vehicle Charging Station <b>2018</b> ,		5
832	A PV Array Fed BESS Supported Speed Sensor-less PMSM Driven Water Pumping System <b>2018</b> ,		5
831	. <i>IEEE Transactions on Industry Applications</i> , <b>2019</b> , 55, 7082-7091	4.3	4
830	Constant on time controlled zero voltage switching electronic ballast with power quality improvement. <i>IET Power Electronics</i> , <b>2015</b> , 8, 1710-1722	2.2	4
829	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
828	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
827	Reweighted Zero Attracting Maximum Correntropy Criterion Algorithm based Solar Grid Interfaced System for Alleviating Power Quality Problems <b>2020</b> ,		4
826	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
825	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
824	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
823	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

822	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
821	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
820	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
819	Three phase off-board bi-directional charger for EV with V2G functionality <b>2017</b> ,		4
818	Control of solar energy integrated active power filter in weak grid system <b>2017</b> ,		4
817	A Universal Input CrCM Luo Converter With Low-Cost Pilot-Line Dimming Concept for General Purpose LED Lighting Applications. <i>IEEE Transactions on Industrial Informatics</i> , <b>2018</b> , 14, 4895-4904	11.9	4
816	Maximum power extraction from partially shaded PV panel in rainy season by using improved antlions optimization algorithm <b>2016</b> ,		4
815	Cuk PFC converter for high brightness LED driver with brightness control <b>2016</b> ,		4
814	Bi-directional charger for electric vehicle with four quadrant capabilities <b>2016</b> ,		4
813	Single phase multifunctional VSC interfaced with solar PV and bidirectional battery charger <b>2016</b> ,		4
812	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
811	Seamless operation and control of hybrid PV-BES-utility synchronized system <b>2018</b> ,		4
810	Dual mode operational control of single stage PV-battery based microgrid <b>2018</b> ,		4
809	Direct torque controlled synchronous reluctance motor drive for PV array fed water pumping <b>2018</b> ,		4
808	An approach to minimize the VA size of UPQC-S and its performance comparison <b>2018</b> ,		4
807	Adaptive pseudo-linear control for grid-supportive PV system. <i>IET Generation, Transmission and Distribution</i> , <b>2019</b> , 13, 1653-1660	2.5	4
806	An analytical performance comparison of two winding and three winding single phase SELGs. <i>Electric Power Systems Research</i> , <b>2014</b> , 107, 36-44	3.5	4
805	SPV array powered zeta converter fed SRM drive for water pumping <b>2015</b> ,		4



804	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
803	Power conditioning of Distributed Generation system using Unified Power Quality Conditioner <b>2015</b> ,		4
802	High-efficiency improved 12kW switched mode telecom rectifier <b>2015</b> ,		4
801	SPV array powered non inverting buck-boost converter fed SRM drive for water pumping <b>2015</b> ,		4
800	A single sensor based bridgeless landsman PFC converter fed BLDC motor drive <b>2015</b> ,		4
799	Power quality improvement in isolated distributed generating system using DSTATCOM <b>2014</b> ,		4
798	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
797	A PFC based switched-capacitor buck-boost converter fed BLDC motor drive <b>2013</b> ,		4
796	Photovoltaic powered electric vehicle using PMSM drive scheme. <i>International Journal of Vehicle Autonomous Systems</i> , <b>2013</b> , 11, 229	0.4	4
795	Asynchronous generator with battery storage for standalone wind energy conversion system <b>2011</b> ,		4
794	Power quality improvement using optimized Passive Filter for 12-pulse rectifier-chopper in LCI fed synchronous motor drives <b>2011</b> ,		4
793	A control strategy based on UTT and I Cos $\phi$ 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
792	A Voltage Controlled PFC Cuk Converter Based PMBLDCM Drive for Air-Conditioners <b>2010</b> ,		4
791	A power factor corrected PMBLDCM drive for air-conditioner using bridge converter <b>2010</b> ,		4
790	An autonomous wind energy conversion system with permanent magnet synchronous generator <b>2011</b> ,		4
789	Design of a star-hexagon transformer based electronic load controller for isolated pico hydro generating system <b>2009</b> ,		4
788	DSP-based Voltage Controller for an Isolated Asynchronous Generator Feeding Induction Motor Loads. <i>Electric Power Components and Systems</i> , <b>2009</b> , 37, 914-935	1	4
787	A frequency response method to estimate inductance profile of switched reluctance motor		4

786	An independent active and reactive power control of an isolated asynchronous generator in 3-phase 4-wire applications. <i>Power Electronics Specialist Conference (PESC), IEEE, 2008,</i>		4
785	Indirect control of capacitor supported DVR for power quality improvement in distribution system <b>2008,</b>		4
784	Static Volt Ampere Reactive Compensator for Self-excited Induction Generator Feeding Dynamic Load. <i>Electric Power Components and Systems, 2008, 36, 1080-1101</i>	1	4
783	Design and Development of a 36-Pulse AC-DC Converter for Vector Controlled Induction Motor Drive <b>2007,</b>		4
782	24-Pulse AC-DC Converter for Power Quality Improvement in Vector Controlled Induction Motor Drives. <i>Electric Power Components and Systems, 2006, 34, 1077-1098</i>	1	4
781	Power conditioning of an uncontrolled micro-hydropower-driven induction generator for distributed generation using a battery energy storage system. <i>International Journal of Energy Technology and Policy, 2007, 5, 604</i>	1	4
780	Improved Control of Three Phase Active Filters Using Genetic Algorithms <b>2007,</b>		4
779	Eighteen-Pulse AC-DC Converter for Harmonic Mitigation in Vector Controlled Induction Motor Drives		4
778	Modeling and control of DSTATCOM for three-phase, four-wire distribution systems <b>2005,</b>		4
777	A fork connected auto-transformer based 24-pulse AC-DC converter <b>2006,</b>		4
776	DSP based implementation of Sliding Mode Speed Controller for Vector Controlled Permanent Magnet Synchronous Motor drive <b>2006,</b>		4
775	Load Compensation for Diesel Generator Based Isolated Generation System Employing DSTATCOM <b>2006,</b>		4
774	Speed sensorless electric vehicle propulsion system using DTC IM drive <b>2006,</b>		4
773	A novel harmonic mitigator-based 12-pulse rectification for vector-controlled induction motor drives. <i>International Journal of Energy Technology and Policy, 2006, 4, 205</i>	1	4
772	Transient analysis of self-excited induction generator with electronic load controller (ELC) supplying static and dynamic loads		4
771	Field experience on a novel picohydel system using self excited induction generator and electronic load controller		4
770			4
769	Optimized performance of solar powered variable speed induction motor drive		4

768	Experimental investigations on a permanent magnet brushless DC motor fed by PV array for water pumping system		4
767	An improved single phase active power filter with optimum DC capacitor		4
766	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
765	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
764	Double Stage Grid-Tied Solar PV System Using HC-LMS Control <b>2020</b> ,		4
763	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
762	Off-Grid System Configurations for Coordinated Control of Renewable Energy Sources. <i>Energies</i> , <b>2020</b> , 13, 4950	3.1	4
761	A Novel Electromagnetic Launcher Configuration With Improved System and Barrel Efficiencies. <i>IEEE Transactions on Plasma Science</i> , <b>2020</b> , 48, 3429-3434	1.3	4
760	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
759	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
758	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
757	Integration of multiple source SPV grid tied system using 27-level cascaded H-bridge converter <b>2016</b> ,		4
756	Real time implementation of EPLL with generalized filtering in single phase grid interfaced SPV system <b>2016</b> ,		4
755	Maximum power peak detection of partially shaded PV panel by using intelligent monkey king evolution algorithm <b>2016</b> ,		4
754	Solar PV powered SRM driven water pumping system using Landsman converter <b>2016</b> ,		4
753	Single stage SPV array fed speed sensorless vector control of induction motor drive for water pumping <b>2016</b> ,		4
752	Discrete SOGI based control of solar photovoltaic integrated unified power quality conditioner <b>2016</b> ,		4
751	Harmonics mitigation and phase compensation technique for 3P4W SPV system <b>2016</b> ,		4

750	Intelligent control of SPV-battery-hydro based microgrid <b>2016</b> ,		4
749	Solar photovoltaic array dependent dual output converter based water pumping using Switched Reluctance Motor drive <b>2016</b> ,		4
748	Power quality improvement using CSC converter for high power LED driver <b>2016</b> ,		4
747	Power Factor Correction in EV Charger with Bridgeless Zeta-SEPIC Converter <b>2019</b> ,		4
746	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
745	Power Quality Improvement in PMSG Based Hydro-BES System Operating in Isolated Remote Areas Using CF-FLL Control <b>2019</b> ,		4
744	. <i>IEEE Transactions on Sustainable Energy</i> , <b>2020</b> , 11, 693-702	8.2	4
743	A New Three-Phase to Five-Phase Transformer With Power Quality Improvement in Hybrid-Multilevel Inverter Based VCIMD. <i>IEEE Transactions on Power Delivery</i> , <b>2020</b> , 35, 871-880	4.3	4
742	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
741	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
740	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
739	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
738	Interleaved Landsman Converter Fed EV Battery Charger with Power Factor Correction <b>2018</b> ,		4
737	Improved Sliding Mode Observer based Position Sensorless Finite Control Set-Model Predictive Control of PMSM Drive for Electric Vehicle <b>2018</b> ,		4
736	Stage Solar PV Powered Water Pump with a Storage System <b>2018</b> ,		4
735	Modeling and Estimation of Remaining Useful Life of Single cell Li-Ion battery <b>2018</b> ,		4
734	Modified Reduced Switch Converter for Grid Interfaced Systems <b>2018</b> ,		4
733	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

732	Composite Control Strategy for a PV-Wind-Diesel based Off-Grid Power Generation System Supplying Unbalanced Non-Linear Loads <b>2018</b> ,		4
731	An Implementation of Solar PV Array Based Multifunctional EV Charger <b>2018</b> ,		4
730	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
729	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
728	Multi-Winding Transformer Fed CHB Inverter with on-Line Switching Angle Calculation Based SHE Technique for VCIMD <b>2019</b> ,		3
727	Energy-efficient single-stage solar PV powered sensorless PMSM drive for water pumping. <i>IET Renewable Power Generation</i> , <b>2019</b> , 13, 2267-2277	2.9	3
726	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
725	A simplified configuration and implementation of a standalone microgrid <b>2015</b> ,		3
724	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
723	Adaptive Harmonic Detection Control of Grid Interfaced Solar Photovoltaic Energy System with Power Quality Improvement. <i>Journal of the Institution of Engineers (India): Series B</i> , <b>2015</b> , 96, 37-45	0.9	3
722	Integration of Solar PV-WECS and DG Set for EV Charging Station <b>2020</b> ,		3
721	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
720	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
719	Reduced Sensor Based Vector Control of Grid- Interactive DFIG with Wind Power Levelling Capability <b>2020</b> ,		3
718	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
717	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
716	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
715	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

714	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
713	Power corrected bridgeless converter based switched mode power supply factor. <i>IET Power Electronics</i> , <b>2016</b> , 9, 1684-1693	2.2	3
712	Wind-Hydro microgrid and its control for rural energy system <b>2016</b> ,		3
711	Modified bridgeless landsman PFC converter for LED driver <b>2016</b> ,		3
710	Grid interfaced solar PV powered brushless DC motor driven water pumping system <b>2016</b> ,		3
709	Solar PV interfaced to multifunctional VSC with a battery support <b>2016</b> ,		3
708	Brushless DC motor based ceiling fan using buck-boost converter <b>2016</b> ,		3
707	Normal harmonic search algorithm based MPPT of solar PV system <b>2016</b> ,		3
706	Power Quality Improvement in Utility Interactive Based ACDC Converter Using Harmonic Current Injection Technique. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 5355-5366	4.3	3
705	Discrete noise-eliminating second order generalized integrator based control strategy applied to grid-integrated solar PV synchronization converter <b>2018</b> ,		3
704	A bridgeless boost PFC converter fed LED driver for high power factor and low THD <b>2018</b> ,		3
703	Implementation of recurrent neurocontrol algorithm for two stage solar energy conversion system <b>2018</b> ,		3
702	Implementation of ANFIS Controller-Based Algorithm Measuring Speed to Eliminate RDC Hardware in Resolver-Based PMSM. <i>Lecture Notes in Electrical Engineering</i> , <b>2019</b> , 147-159	0.2	3
701	Design and Development of Modified BL Luo Converter for PQ Improvement in EV Charger <b>2019</b> ,		3
700	A G2V/V2G Off-Board Fast Charger for Charging of Lithium-ion Based Electric Vehicles <b>2019</b> ,		3
699	Intelligent Nonlinear Sensorless Predictive Field Oriented Control of PMSM Drive for Three Wheeler Hybrid Solar PV-Battery Electric Vehicle <b>2019</b> ,		3
698	Performance analysis of a solar-powered water pumping using improved SIDO buckBoost converter. <i>IET Power Electronics</i> , <b>2019</b> , 12, 2904-2911	2.2	3
697	Voltage control and load leveling of synchronous reluctance generator based DG set <b>2014</b> ,		3



696	Recognition of Power Quality events using S-transform based ANN classifier and rule based decision tree <b>2013</b> ,		3
695	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
694	Frequency adaptive pre filtering stage for differentiation based control of shunt active filter under polluted grid conditions <b>2017</b> ,		3
693	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
692	A novel modified central switch DC-DC converter for solar energized SRM driven irrigation pump <b>2017</b> ,		3
691	Grid integration of solar PV generating system using three-level voltage source converter <b>2015</b> ,		3
690	Design and control of autonomous wind-solar energy system with DFIG feeding 3-phase 4-wire network <b>2015</b> ,		3
689	A PFC modified-Landsman converter based PWM-Dimmable RGB HB-LED driver for large area projection applications <b>2015</b> ,		3
688	Hybrid standalone power generation system using hydro-PV-battery for residential green buildings <b>2015</b> ,		3
687	A distribution grid tied multifunctional SPV system operating with control approach based on decoupled adaptive neural network <b>2015</b> ,		3
686	A PFC based bridgeless Sheppard-Taylor converter fed brushless DC motor drive <b>2014</b> ,		3
685	An assessment of RAD based control algorithm for single-stage multitasking grid tied SECS <b>2014</b> ,		3
684	Doubly fed induction generator based standalone wind energy conversion system with MPPT capability <b>2014</b> ,		3
683	Investigation of ANN tuned PI speed controller of a modified DTC induction motor drive <b>2014</b> ,		3
682	Adaptive Control of Four-Leg VSC Based DSTATCOM in Distribution System. <i>International Journal of Emerging Electric Power Systems</i> , <b>2014</b> , 15, 93-99	1.4	3
681	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
680	Reduction in rating of voltage source converter of DSTATCOM using a zig-zag transformer <b>2012</b> ,		3
679	A universal input single-stage front end power factor corrector for HB-LED lighting applications <b>2012</b> ,		3

678	Implementation of adaptive filter based control algorithm for Distribution Static Compensator <b>2012,</b>	3
677	Analysis and Design of a Zeta Converter Based Three-Phase Switched Mode Power Supply <b>2012,</b>	3
676	Three-phase, two-switch PFC rectifier fed three-level VSI based FOC of induction motor drive <b>2012,</b>	3
675	Fuzzy-logic based MPPT control of grid interfaced PV generating system with improved power quality <b>2012,</b>	3
674	<b>2013,</b>	3
673	Opportunities and problems of Smart Grids with large penetration of renewable energy - Indian perspective <b>2013,</b>	3
672	BRF theory revisited to control self supported dynamic voltage restorer (DVR) for unbalanced and nonlinear loads <b>2011,</b>	3
671	Improved electronic load controller for offgrid induction generator in small hydro power generation <b>2011,</b>	3
670	Variable speed stand-alone wind energy conversion system using synchronous generator <b>2011,</b>	3
669	Comparison of three control algorithms for single-phase UPQC <b>2011,</b>	3
668	VSC supported active load control for SEIG under load perturbations <b>2011,</b>	3
667	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
666	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
665	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
664	Voltage and frequency control with reduced switch integrated voltage source converter for IAG in wind energy conversion system <b>2010,</b>	3
663	Performance of a three-phase Self-Excited Induction Generator with Static Synchronous Series Compensator <b>2010,</b>	3
662	A two-level 24-pulse Voltage Source Converter based HVDC system for active and reactive power control <b>2010,</b>	3
661	Sensorless Power Maximization of PMSG Based Isolated Wind-Battery Hybrid System Using Adaptive Neuro-Fuzzy Controller <b>2010,</b>	3

660	A new control strategy for active and reactive power control of three-level VSC based HVDC system <b>2010</b> ,		3
659	Half Bridge Boost Converter for Power Quality Improvement in PMBLDCM Drive <b>2009</b> ,		3
658	Broken rotor bar detection in variable frequency induction motor drives using wavelet energy based method <b>2012</b> ,		3
657	Improved power quality converter based electronic ballast with high power factor <b>2012</b> ,		3
656	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
655	Parallel Operation of DFIGs in Three Phase Four Wire Autonomous Wind Energy Conversion System <b>2009</b> ,		3
654	Control of DSTATCOM using Icos algorithm <b>2009</b> ,		3
653	Implementation of an Isolated Three-Leg VSC with Star/Hexagon Transformer Based Three-Phase Four-Wire DSTATCOM <b>2009</b> ,		3
652	Performance analysis of a low cost vector controlled induction motor drive: a philosophy for sensor reduction		3
651	Fuzzy logic based speed controller for vector controlled cage induction motor drive		3
650	Artificial Neural Network based Controller and Speed Estimation of Permanent Magnet Synchronous Motor <b>2008</b> ,		3
649	Zig-zag transformer based voltage controller for an isolated asynchronous generator <b>2008</b> ,		3
648	Enhancing Power Transfer Capacity of Transmission System by a Reduced Magnetics Based 48-Pulse STATCOM Controller <b>2008</b> ,		3
647	<b>2008</b> ,		3
646	Digital implementation of fuzzy control algorithm for shunt active filter. <i>European Transactions on Electrical Power</i> , <b>2007</b> , 10, 369-375		3
645	A simple control technique for single-SEPIC converter based multiple output SMPS with fully regulated and isolated outputs. <i>International Journal of Electronics</i> , <b>2007</b> , 94, 1005-1014	1.2	3
644	Modelling of DSTATCOM for distribution system. <i>International Journal of Energy Technology and Policy</i> , <b>2006</b> , 4, 142	1	3
643	Design and Analysis of a 3 kVA, 28 V Permanent Magnet Brushless Alternator for Light Combat Aircraft <b>2006</b> ,		3

642	DSP Based Implementation of Hybrid Fuzzy PI Speed Controller for Direct Torque Controlled Permanent Magnet Synchronous Motor Drive. <i>International Journal of Emerging Electric Power Systems</i> , <b>2007</b> , 8,	1.4	3
641	DSP based Implementation of Vector Control Scheme for Permanent Magnet Synchronous Motor Drive. <i>IETE Journal of Research</i> , <b>2007</b> , 53, 153-164	0.9	3
640	Passive Hybrid Filter for Varying Rectifier Loads		3
639	Solid state voltage regulator for isolated asynchronous generators supplying 3-phase 4-wire loads <b>2006</b> ,		3
638	Third Harmonic Current Injection for Power Quality Improvement in Rectifier Loads <b>2006</b> ,		3
637	Neural Network Based DTC IM Drive for Electric Vehicle Propulsion System <b>2006</b> ,		3
636	Rating Reduction of Static Compensator for Voltage Control of Three-Phase Self-Excited Induction Generator <b>2006</b> ,		3
635	A Twelve-Phase AC-DC Converter for Power Quality Improvement in Direct Torque Controlled Induction Motor Drives <b>2006</b> ,		3
634	Digital Implementation of Sliding Mode Control Technique on SSC for Load Balancing and Reactive Power Compensation. <i>IETE Journal of Research</i> , <b>2003</b> , 49, 313-322	0.9	3
633	STATCOM based voltage regulator for self-excited induction generator feeding non-linear loads		3
632	Sliding Mode Control of PFC Converter. <i>IETE Journal of Research</i> , <b>2005</b> , 51, 371-377	0.9	3
631	Nine-Phase AC-DC Converter for Vector Controlled Induction Motor Drives		3
630	Comparative study of PID, sliding mode and fuzzy logic controllers for four quadrant operation of switched reluctance motor		3
629	THREE-PHASE COMPENSATOR FOR LOAD BALANCING AND REACTIVE POWER COMPENSATION IN THREE-PHASE, FOUR-WIRE ELECTRIC POWER DISTRIBUTION SYSTEMS. <i>Electric Power Components and Systems</i> , <b>1998</b> , 26, 27-37		3
628	Unity power factor converter-inverter fed vector controlled cage motor drive without mechanical speed sensor		3
627	Experience in the design optimization of a voltage source inverter fed squirrel cage induction motor. <i>Electric Power Systems Research</i> , <b>1993</b> , 26, 155-161	3.5	3
626	PERFORMANCE ANALYSIS OF LOAD COMMUTATED INVERTER FED CAGE INDUCTION MOTOR DRIVE. <i>Electric Power Components and Systems</i> , <b>1990</b> , 18, 261-275		3
625	A Closed-Loop Rotor Resistance Control Method for Improved DC Dynamic Braking of Wound Rotor Induction Motor. <i>IEEE Transactions on Industry Applications</i> , <b>1985</b> , IA-21, 235-240	4.3	3

624	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
623	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
622	PFC based bridgeless Cuk converter for SRM drive <b>2018</b> ,		3
621	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
620	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
619	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
618	A High Performance Three-Phase Telecom Supply Incorporating a HF Switched Mode Rectifier with a Phase Shifted PWM Controller. <i>Journal of Power Electronics</i> , <b>2010</b> , 10, 219-227	0.9	3
617	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
616	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
615	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
614	Robust design methodology for single phase induction motor ceiling fan. <i>IET Electric Power Applications</i> , <b>2020</b> , 14, 1846-1855	1.8	3
613	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
612	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
611	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
610	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
609	Fault investigations on die-cast copper rotors <b>2016</b> ,		3
608	Design of PV powered SR motor driven irrigation pumps utilizing boost converter <b>2016</b> ,		3
607	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

606	Integration of single-stage SPV generation to grid using admittance based LMS technique <b>2016</b> ,		3
605	Performance Investigation of Multifunctional On-Grid Hybrid WindPV System With OASC and MAF-Based Control. <i>IEEE Transactions on Power Electronics</i> , <b>2019</b> , 34, 10808-10822	7.2	3
604	DSOGI-PLL Based Solar Grid Interfaced System for Alleviating Power Quality Problems <b>2019</b> ,		3
603	Control and Implementation of Renewable Energy Based Smart Charging Station Beneficial for EVs, Home and Grid <b>2019</b> ,		3
602	Multifunctional Grid-Tied PV System Using Modified KLMS Control <b>2019</b> ,		3
601	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
600	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
599	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
598	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
597	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
596	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
595	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
594	$\beta$ -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
593	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
592	Voltage and Frequency Controller with Power Quality Improvement for PMSG Based Pico-Hydro System <b>2018</b> ,		3
591	Solar PV Array-WECS Based Integrated EV Charging System with Dual Mode of Operation <b>2018</b> ,		3
590	Solar PV - BES Based Microgrid System with Multifunctional VSC <b>2018</b> ,		3
589	Improved Widrow-Hoff Based Adaptive Control of Multi-Objective PV-DSTATCOM System <b>2018</b> ,		3



588	Load Profile of Telecom Towers and Potential Renewable Energy Power Supply Configurations <b>2018</b> ,		3
587	Power Management and Control of PMSG Based Hydro-PV-BES Using CSTOGI Control Algorithm for Autonomous Micro-Grid <b>2018</b> ,		3
586	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
585	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
584	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
583	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
582	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
581	Analysis of an Electromagnetic Railgun with Tapered Rails and Concave Armature using 3-D FEM <b>2019</b> ,		2
580	Hammerstein Adaptive Filter Based Control Technique for Optimum Operation of a Grid Interfaced PV System <b>2019</b> ,		2
579	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
578	Implementation of MVF-Based Control Technique for 3-Distribution Static Compensator. <i>Journal of the Institution of Engineers (India): Series B</i> , <b>2019</b> , 100, 589-597	0.9	2
577	Improved TOGI-Based Voltage and Frequency Control for PMSG Feeding Single-Phase Loads in Isolated Pico-Hydro Generation. <i>IETE Journal of Research</i> , <b>2019</b> , 1-17	0.9	2
576	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
575	Three-Level NPC-Inverter-Based SVM-VCIMD With Feedforward Active PFC Rectifier for Enhanced AC Mains Power Quality. <i>IEEE Transactions on Industry Applications</i> , <b>2015</b> , 1-1	4.3	2
574	An Improved PQ Zeta Converter with Reduced Switch Voltage Stress for Electric Vehicle Battery Charger <b>2020</b> ,		2
573	Adaptive Current Control for a Bi-directional Interleaved EV Charger with Disturbance Rejection <b>2020</b> ,		2
572	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
571	S-Transform Based Detection of Multiple and Multistage Power Quality Disturbances <b>2020</b> ,		2

570	PMBLDC Motor Based Ceiling Fan Using an Isolated PFC Zeta Converter <b>2020</b> ,		2
569	Solar PV Array Integrated UPQC for Power Quality Improvement Based on Modified GI <b>2020</b> ,		2
568	AFLL-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
567	Improvise 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
566	An Improved SMO for Position Sensorless Operation of PMSM Driven Solar Water Pumping System <b>2020</b> ,		2
565	A Canonical Switching Cell (CSC) Converter Based Power Factor Corrected Battery Charger for E-Rickshaw <b>2020</b> ,		2
564	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
563	Power quality improvement in single phase grid tied solar PV-APF based system using improved LTI-EPLL based control algorithm <b>2017</b> ,		2
562	Fault Investigations on Die-Cast Copper Rotors. <i>IEEE Transactions on Industry Applications</i> , <b>2018</b> , 54, 184-194	4-3	2
561	An improved adaptive P&O technique for two stage grid interfaced SPVECS <b>2018</b> ,		2
560	Unity power factor operation and load leveling of diesel generator set using battery energy storage system <b>2016</b> ,		2
559	ZA-QLMS based control approach for DSTATCOM under abnormal grid conditions <b>2016</b> ,		2
558	Control of wind-solar microgrid for rural electrification <b>2016</b> ,		2
557	A single source single phase SPV grid tied system employing 9-level ternary cascaded VSC <b>2016</b> ,		2
556	Real time implementation of sign-sign lms algorithm in single phase SPV grid integrated system <b>2016</b> ,		2
555	Performance improvement of grid integrated solar PV system using DNLMS control algorithm <b>2016</b> ,		2
554	A smart solar water pumping system with bidirectional power flow capabilities <b>2016</b> ,		2
553	Maximum power factor based vector control approach for synchronous reluctance motor driven solar PV array fed water pumping system <b>2016</b> ,		2

552	Power factor correction in modified sepic converter fed switched reluctance motor drive <b>2016,</b>		2
551	Implementation of DSTATCOM with i-PNLMS based control algorithm under abnormal grid conditions <b>2016,</b>		2
550	<b>2018,</b>		2
549	Simulation and hardware implementation of PMSM driven solar water pumping system <b>2018,</b>		2
548	Linear quadratic estimation control for single stage PV system integrated to single phase utility <b>2018,</b>		2
547	A single phase double stage grid interfaced photovoltaic system based on improved least mean square algorithm <b>2018,</b>		2
546	Standalone and grid connected operations of a SynRG based WECS with BESS <b>2018,</b>		2
545	LVRT Capabilities of Solar Energy Conversion System Enabling Power Quality Improvement <b>2019,</b>		2
544	An Intelligent Grid Integrated Solar PV Array Fed RSM Drive Based Water Pumping System <b>2019,</b>		2
543	A Modified Bridgeless Cuk Converter based EV Charger with Improved Power Quality <b>2019,</b>		2
542	Standalone PV-BES-DG Based Microgrid with Power Quality Improvements <b>2019,</b>		2
541	A Bidirectional Home Charging Solution for an Electric Vehicle <b>2019,</b>		2
540	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
539	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
538	Implementation of DSTATCOM using Neural Network Based Radial Basis Function <b>2013,</b>		2
537	A comprehensive design and implementation of Doubly Fed Induction Generator for a micro-level Wind Energy Conversion System <b>2013,</b>		2
536	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
535	A synchronous generator based diesel-PV hybri micro-grid with power quality controller <b>2017,</b>		2

534	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
533	Optimal control scheme for single stage grid interfaced SECS for power quality improvement <b>2017</b> ,		2
532	Three phase grid interfaced solar water pumping system <b>2017</b> ,		2
531	A frequency observer based control for solar energy conversion system <b>2017</b> ,		2
530	Damped-SOGI based control algorithm for solar PV power generating system <b>2015</b> ,		2
529	Design, control and performance analysis of a standalone solar-PV energy generating system. <i>International Journal of Renewable Energy Technology</i> , <b>2015</b> , 6, 65	0.1	2
528	<b>2015</b> ,		2
527	Power quality enhancement of grid integrated solar PV system based on adaptive noise reduction control <b>2015</b> ,		2
526	Combined operation of a VSC based grid interfaced solar photovoltaic power generation system with night time application <b>2014</b> ,		2
525	Analysis and design of buck-boost converter for power quality improvement in high frequency on/off-line UPS system <b>2014</b> ,		2
524	A UVT based control for single-stage grid interfaced SPV system with improved power quality <b>2014</b> ,		2
523	Power factor correction in a brushless DC motor drive using an isolated-Luo converter <b>2014</b> ,		2
522	<b>2014</b> ,		2
521	Analysis and control of an isolated SPV-DG-BESS hybrid system <b>2014</b> ,		2
520	Isolated microgrid employing PMBLDCG for wind power generation and synchronous reluctance generator for DG system <b>2014</b> ,		2
519	A PFC based isolated Sheppard-Taylor converter feeding brushless DC motor drive <b>2014</b> ,		2
518	Grid integration of large capacity solar PV plant using multipulse VSC with robust PLL based control <b>2014</b> ,		2
517	Permanent magnet synchronous generator based wind energy and DG hybrid system <b>2014</b> ,		2

516	Control of VSC based multi-terminal DC system for support to critical loads on grid side witnessing loss of generation <b>2012</b> ,	2
515	CTF control algorithm of DSTATCOM for Power factor correction and zero voltage regulation <b>2012</b> ,	2
514	Autonomous wind energy conversion system employing synchronous generator <b>2012</b> ,	2
513	Optimal controller design for multilevel voltage source converter based HVDC system <b>2012</b> ,	2
512	Isolated wind energy conversion system for three-phase four wire loads employing Adaline based voltage-frequency controller <b>2012</b> ,	2
511	Design and control of variable speed Wind Energy Conversion System employing PMBLDC generator <b>2012</b> ,	2
510	Icos algorithm based control of zig-zag transformer connected three phase four wire DSTATCOM <b>2012</b> ,	2
509	Software PLL based control algorithm for power quality improvement in distribution system <b>2012</b> ,	2
508	Control of standalone asynchronous generator driven by uncontrolled pico hydro turbine <b>2012</b> ,	2
507	Digital control of voltage and frequency of induction generator in isolated small hydro system <b>2012</b> ,	2
506	Zeta converter based power supply for HB-LED lamp with universal input <b>2012</b> ,	2
505	PFC buck converter fed PMBLDCM drive for low power applications <b>2012</b> ,	2
504	Customized solution for real and reactive power compensation for small distribution systems <b>2010</b> ,	2
503	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
502	Isolated wind energy conversion with asynchronous generator for rural electrification <b>2010</b> ,	2
501	Fuzzy proportional-integral regulators for stand-alone wind energy conversion system <b>2010</b> ,	2
500	Design, modeling, simulation and performance of a MOSMPS fed from a universal standard Single-phase outlet <b>2010</b> ,	2
499	Neural network theory based voltage and frequency controller for standalone wind energy conversion system <b>2010</b> ,	2

498	A voltage controlled adjustable speed PMBLDCM drive using a single-stage PFC half-bridge converter <b>2010</b> ,		2
497	A comparison of single-phase p-q theory and UVT based control algorithms for single-phase UPQC <b>2010</b> ,		2
496	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
495	Decoupled electronic load controller for asynchronous generator in pico-hydro power generation <b>2010</b> ,		2
494	Enhancing quality of power to sensitive loads with MicroGrid <b>2010</b> ,		2
493	Passive filter design for a 12-pulse converter fed LCI-synchronous motor drive <b>2010</b> ,		2
492	Selection of dead angle of a three-level multipulse voltage source converter for power quality improvement in HVDC system <b>2009</b> ,		2
491	Voltage and Frequency Control of Isolated Asynchronous Generator with Reduced Switch Integrated Voltage Source Converter in Isolated Wind Power Generation <b>2009</b> ,		2
490	Power quality improvement in multi-output forward boost converter <b>2011</b> ,		2
489	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
488	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
487	PFC Cuk converter based electronic ballast for an 18 W compact fluorescent lamp <b>2010</b> ,		2
486	Performance analysis of unity power factor converter-inverter fed switched reluctance motor drive		2
485	Simulation of a Single-Phase Induction Motor with Dynamic Capacitor for Maximum Torque Operation <b>2008</b> ,		2
484	Modeling, Simulation and Development of Isolated Cuk AC-DC Converter in DCM and CCM Operation. <i>IETE Journal of Research</i> , <b>2008</b> , 54, 414	0.9	2
483	Split capacitor VSC-based voltage and frequency controller for a stand-alone wind power generation. <i>International Journal of Power Electronics</i> , <b>2008</b> , 1, 117	0.2	2
482	Design and Development of Autotransformer Based 24-Pulse AC-DC Converter fed Induction Motor Drive <b>2007</b> ,		2
481	Analysis and design of single-phase power factor-corrected AC DC Cuk converter with high-frequency isolation. <i>International Journal of Energy Technology and Policy</i> , <b>2006</b> , 4, 161	1	2

480	AC-DC Cuk Converter for Power Quality Improvement of Vector Controlled PMSM Drive. <i>IETE Journal of Research</i> , <b>2007</b> , 53, 51-68	0.9	2
479	A Novel Polygon Based 15-Phase AC-DC Converter for Vector Controlled Induction Motor Drives. <i>Electric Power Components and Systems</i> , <b>2007</b> , 35, 1111-1130	1	2
478	Harmonic Current Injection for Varying Rectifier Loads		2
477	A Single DC-DC Converter Based Multiple Output SMPS with Fully Regulated and Isolated Outputs		2
476	Polygon Connected 15-Phase AC-DC Converter for Power Quality Improvement <b>2006</b> ,		2
475	Observer Based Position and Speed Estimation of Interior Permanent Magnet Motor <b>2006</b> ,		2
474	A harmonics optimized 12-pulse STATCOM for power system applications <b>2006</b> ,		2
473	Improved power quality AC-DC flyback converter for variable speed permanent magnet synchronous motor drive <b>2006</b> ,		2
472	Computer Aided Design of Permanent Magnet Brushless DC Motor for Hybrid Electric Vehicle Application <b>2006</b> ,		2
471	Analysis, Design and Development of Single Switch Forward Buck AC-DC Converter for Low Power Battery Charging Application <b>2006</b> ,		2
470	MATLAB-based modelling of Distribution STATCOM applied to isolated power system. <i>International Journal of Energy Technology and Policy</i> , <b>2006</b> , 4, 274	1	2
469	Identification of three phase induction motor incipient faults using neural network		2
468	Real time DSP based implementation of a new control method of active power filter		2
467	Optimum tooth-geometry for hybrid stepper motor using finite element analysis		2
466	A three-phase active power filter for harmonic and reactive power compensation		2
465	A Comprehensive Analysis of Vector Controlled Induction Motor Drive. <i>IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)</i> , <b>1995</b> , 12, 387-398	1.5	2
464	OPTIMUM DESIGN OF SMALL DISTRIBUTION TRANSFORMER USING ALUMINIUM CONDUCTORS. <i>Electric Power Components and Systems</i> , <b>1987</b> , 12, 271-280		2
463	Improvements in the Design for Optimum Steady State Performance polyphase of Reluctance Motors. <i>Electric Power Components and Systems</i> , <b>1988</b> , 14, 17-31		2



462	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
461	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
460	Seamless Control of Renewable Energy System with Grid Connected and Islanded Modes <b>2020</b> ,		2
459	<b>2020</b> ,		2
458	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
457	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
456	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
455	An Improved Power Quality PV-Battery System Coupled to Weak Grid with Feed-in Tariff Flexibility and PV Intermittency Flattening <b>2020</b> ,		2
454	Improved Power Quality Charging System Based on High Step Down Gain Bridgeless SEPIC APFC for Light Electric Vehicles <b>2020</b> ,		2
453	Bridgeless PFC Converter Based EV Charger <b>2020</b> ,		2
452	$\beta$ -Norm Proportionate Based Approach with Mode Transition Between Grid Interactive and Standalone of Solar- BES Three Phase Four Wire Microgrid <b>2020</b> ,		2
451	IZAQ-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
450	Wind-Battery-PV Based Microgrid with Discrete Second Order Sequence Filter-Frequency Locked Loop <b>2020</b> ,		2
449	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
448	Model Predictive Control for Modular Electric Vehicle Charger <b>2020</b> ,		2
447	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
446	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
445	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

444	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
443	Consensus Algorithm based Two-Level Control Design for a DC Microgrid <b>2020</b> ,		2
442	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
441	Control and Design of Seven-Level Cascaded Multilevel Converter for Transformerless Large-Scale Photovoltaic Integration. <i>Journal of the Institution of Engineers (India): Series B</i> , <b>2020</b> , 101, 623-629	0.9	2
440	Predictive Torque Control of Induction Motor for Electric Vehicle <b>2020</b> ,		2
439	A Power Factor Corrected Resonant EV Charger Using Reduced Sensor Based Bridgeless Boost PFC Converter <b>2020</b> ,		2
438	Hybrid DSC with Compensation Capability Based Control for Grid Integrated SPV System <b>2020</b> ,		2
437	An Approach for Enhanced Range With Regenerative Braking in Solar PV-Battery Based E-Rickshaw using Sensorless BLDC Motor Drive <b>2020</b> ,		2
436	Control of Renewable Energy Integrated EV Charging Station with Seamless Connection to Grid and DG Set <b>2020</b> ,		2
435	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
434	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
433	Online Identification of Underlying Causes for Multiple and Multi-Stage Power Quality Disturbances Using S-Transform. <i>IETE Journal of Research</i> , 1-11	0.9	2
432	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
431	ISOGI-Q based control algorithm for single stage grid tied SPV system <b>2016</b> ,		2
430	Control of grid tied SPV-DSTATCOM system using adaptive RLS technique <b>2016</b> ,		2
429	An improved power quality based PFC converter for EV battery charger <b>2016</b> ,		2
428	Modelling and analysis of PMBLDC motor based three wheeler EV for closed loop optimum operation <b>2016</b> ,		2
427	Switched capacitor converter fed SRM drive with power factor correction <b>2016</b> ,		2

426	SEPIC PFC converter fed LED driver <b>2016</b> ,		2
425	An EV battery charger based on PFC Sheppard Taylor Converter <b>2016</b> ,		2
424	Loss minimization of two stage solar powered speed sensorless vector controlled induction motor drive for water pumping <b>2016</b> ,		2
423	Power factor correction in modified bridgeless buck boost converter fed SRM drive <b>2016</b> ,		2
422	A multifunctional three-phase grid-connected single-stage SPV system using an intelligent adaptive control technique <b>2016</b> ,		2
421	Power Quality Enhancement at PCC of an Isolated Wind-BES Microgrid Using Improved Filtered X-Adaptive Control <b>2019</b> ,		2
420	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
419	Implementation of Two-Level Control Coordinate for Seamless Transfer in Standalone Microgrid <b>2019</b> ,		2
418	An Efficient Power Management Control Technique for Battery Supported Solar Powered Water Pump Using Positive Output Luo Converter <b>2019</b> ,		2
417	Power Factor Pre-regulation in Interleaved Luo Converter Fed Electric Vehicle Battery Charger <b>2019</b> ,		2
416	Grid Synchronization of WEC-PV-BES Based Distributed Generation System using Robust Control Strategy <b>2019</b> ,		2
415	Adaptive Damped Circular Current Limit Control for PV-Grid Tied System <b>2019</b> ,		2
414	Neural Network Based Control Algorithm for Solar PV Interfaced System <b>2019</b> ,		2
413	Coordinated control of distributed generation system with improved generalised enhanced phase locked loop control algorithm. <i>IET Generation, Transmission and Distribution</i> , <b>2019</b> , 13, 2055-2062	2.5	2
412	Economic Operation and Quality Control in PV-BES-DG-Based Autonomous System. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 2346-2356	11.9	2
411	A Universal Input PFC CSC Converter in Low Power Consumer Lighting Applications. <i>IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)</i> , <b>2020</b> , 37, 410-417	1.5	2
410	Dual-mode control of utility interactive microgrid. <i>IET Renewable Power Generation</i> , <b>2020</b> , 14, 845-855	2.9	2
409	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

408	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
407	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
406	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
405	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
404	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
403	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
402	A 36-Pulse AC-DC Converter With DC Side Tapped Interphase Bridge Rectifier for Power Quality Improvement <b>2018</b> ,		2
401	Power Quality Improvement of Single Phase Grid Connected Hybrid Solar PV and Wind System <b>2018</b> ,		2
400	Investigations on Single-Phasing Effect of Zigzag Autoconfigured Transformer Based 12-Pulse Rectifier <b>2018</b> ,		2
399	Sensorless Vector Controlled Induction Motor Drive for Medium Power Applications <b>2018</b> ,		2
398	A Power Quality Improved EV Charger with Bridgeless Cuk Converter <b>2018</b> ,		2
397	A Power Factor Corrected LLC Resonant Converter for Electric Vehicle Charger Using Cuk Converter <b>2018</b> ,		2
396	AFLC Based Control Technique for Grid Interfaced Three Phase PV System <b>2018</b> ,		2
395	Nonadaptive CDSC Based Control of a Single Phase PV System Tied to Distribution Grid <b>2018</b> ,		2
394	Single-Phase Grid Interfaced Hybrid Solar PV and Wind System using STF-FLL for Power Quality Improvement <b>2018</b> ,		2
393	Power Quality Improvement in Single Phase Five Level Cascaded Grid Interfaced Systems <b>2018</b> ,		2
392	Natural Genetics Adapted Control for an Autonomous Wind-Battery Based Microgrid <b>2018</b> ,		2
391	Performance Evaluation of Islanded and Grid Connected Operation of Solar PV-Battery Based Universal Active Power Filter <b>2018</b> ,		2

390	Single-Phase Grid Interfaced WEGS using Frequency Adaptive Notch Filter for Power Quality Improvement <b>2018</b> ,		2
389	Implementation of a Modified Distributed Normalized Least Mean Square Control for a Multi-Objective Single Stage SECS <b>2018</b> ,		2
388	Modified SEPIC Converter Utilizing an Improved P&O Algorithm for Design of Low Cost and Efficient Solar Energized Water Pump <b>2018</b> ,		2
387	Design and Control of Solar PV-Pico Hydro Based Microgrid <b>2018</b> ,		2
386	Power Factor Correction in Isolated SEPIC Converter Fed SRM Drive <b>2018</b> ,		2
385	Implementation of solar photovoltaic system with universal active filtering capability <b>2018</b> ,		2
384	Flux optimization of PV fed induction motor drive with ANN based current control for water pumping <b>2018</b> ,		2
383	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
382	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
381	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
380	ROGI with FsLMS Based Control Technique for Solar PV System under Weak Grid <b>2019</b> ,		1
379	Sensorless Field Oriented ISMCC For Solar PV Based Induction Motor Drive For Water Pumping <b>2019</b> ,		1
378	Effective Wind Energy Extraction Using a Modified Robust Predictive Control in Grid Tied WECS <b>2019</b> ,		1
377	Control of Variable Speed WECS-PV-BES Based Microgrid with Grid Synchronization <b>2019</b> ,		1
376	Performance Optimization of PV-Powered SRM-Driven Water Pump Using Modified Cuk Converter. <i>Journal of the Institution of Engineers (India): Series B</i> , <b>2019</b> , 100, 249-258	0.9	1
375	Design and Control of a Multifunctional Grid-Connected Battery Energy Storage with Enhanced Performance Using SOGI. <i>Journal of the Institution of Engineers (India): Series B</i> , <b>2019</b> , 100, 321-332	0.9	1
374	A PFC Based Bridgeless Converter with Improved Power Quality for Welding Applications <b>2015</b> ,		1
373	Design of An Energy Efficient Outer Rotor Ceiling Fan Single Phase Induction Motor <b>2020</b> ,		1

372	Design of Fractional-Slot Concentrated Winding Consequent Pole Motor for Ceiling Fans <b>2020</b> ,		1
371	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
370	PCC Voltage Quality Restoration Strategy of an Isolated Microgrid Based on Adjustable Step Adaptive Control <b>2020</b> ,		1
369	Multifunctional Capabilities of Power Converter in a Three Phase Four Wire Grid Interactive PV System <b>2020</b> ,		1
368	Predictive Speed Estimation for Encoderless Control of an Induction Motor Fed by Delta Sigma Modulated Matrix Converter <b>2020</b> ,		1
367	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
366	Reweighted L1 Norm penalized Least Mean Square Fourth Algorithm based Solar Grid Interfaced System for Alleviating Power Quality Problems <b>2020</b> ,		1
365	Impacts of Barrier Shape on Torque Ripple and Saliency in Synchronous Reluctance Motor for Solar Water Pumping <b>2020</b> ,		1
364	Improved Power Quality Charger Based on Bridgeless Canonical Switching Cell Converter for a Light Electric Vehicle <b>2020</b> ,		1
363	Single Parameter Exponential Time Series Smoothing to Dampen Wind Power Irregularities in Grid-Integrated Doubly Fed Induction Generator <b>2020</b> ,		1
362	Harmonic Suppression Scheme for Multi-Pulse Converter Fed Multilevel Inverter Based IM Drive <b>2020</b> ,		1
361	Grid Integration of Renewable Energy Generating System Using Nonlinear Harmonic Observer Under Non-Ideal Distribution System <b>2020</b> ,		1
360	Implementation of a Multi-Objective Control for Islanded Hybrid Microgrid <b>2020</b> ,		1
359	Grid Connected Two Stage PV-Battery System with PV Intermittency Mitigation and Improved Power Quality <b>2020</b> ,		1
358	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
357	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
356	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
355	Grid-Tied Battery Integrated Wind Energy Generation System with Ability to Operate Under Adverse Grid Conditions <b>2020</b> ,		1

354	Modified PWM Technique for a Multi-Pulse Converter fed Multilevel Inverter Based IM Drive <b>2020</b> ,		1
353	Single-phase grid interactive solar PV system having active shunt capabilities <b>2017</b> ,		1
352	Vienna converter fed two stage grid connected photovoltaic pumping system <b>2017</b> ,		1
351	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
350	Composite observer based control technique for single-phase solar PV-Grid tied system <b>2016</b> ,		1
349	A normalized least mean logarithmic square based control of SPV grid tied system <b>2016</b> ,		1
348	Variable step ILSE based control algorithm for power quality improvement of SPV system <b>2016</b> ,		1
347	Dual output cuk converter fed switched reluctance motor drive <b>2016</b> ,		1
346	PNLMS based adaptive control algorithm for solar PV grid tied system <b>2016</b> ,		1
345	Single voltage measurement based control algorithm for voltage source converter <b>2016</b> ,		1
344	A hybrid FNLMS approach to improve the performance of a grid integrated solar PV system <b>2016</b> ,		1
343	Dual-sign error based adaptive control for three phase grid tied SECS with DSTATCOM capabilities <b>2016</b> ,		1
342	A controller for cascaded h-bridge multilevel inverter <b>2016</b> ,		1
341	Solar powered SR motor based water pumping using dual output boost converter <b>2016</b> ,		1
340	Real time implementation of SECS with active shunt filter capabilities <b>2016</b> ,		1
339	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
338	Solar PV Grid Interfaced System with Neutral Point Clamped Converter for Power Quality Improvement. <i>Journal of the Institution of Engineers (India): Series B</i> , <b>2018</b> , 99, 605-612	0.9	1
337	Grid synchronization control for an autonomous PV-wind-battery based microgrid <b>2018</b> ,		1



336	SRM driven solar irrigation pumping system utilizing modified dual output SEPIC converter <b>2018,</b>	1	
335	Control of vehicle-to-home operation of electric vehicle with seamless transition capabilities <b>2018,</b>	1	
334	Continuous Control Set Model Predictive Controller for PMSM Driven Solar PV Water Pumping System <b>2019,</b>	1	
333	Peak Current Detection Starting based Position Sensorless Control of BLDC Motor Drive for PV Array Fed Irrigation Pump <b>2019,</b>	1	
332	A high power factor and low crest factor Cuk converter for lighting systems. <i>International Journal of Energy Technology and Policy</i> , <b>2014</b> , 10, 21	1	1
331	SPV array fed SRM driven water pumping system utilizing dual output SEPIC converter <b>2015,</b>	1	
330	Current Synchronous Detection based control of grid interfaced Solar Photovoltaic power generating system <b>2013,</b>	1	
329	Welding power supply with improved power quality using Sheppard-Taylor converter <b>2013,</b>	1	
328	Predictive torque control of a three-level reduced switch inverter fed induction motor drive <b>2017,</b>	1	
327	Integration of renewable energy with storage system to single phase distribution system <b>2017,</b>	1	
326	Design of autonomous solar powered SRM based water pump utilizing modified CSC converter <b>2017,</b>	1	
325	Design of autonomous solar powered SRM based agriculture pump utilizing novel central switch DC-DC converter <b>2017,</b>	1	
324	Solar PV fed sensorless DTC of induction motor drive for water pumping <b>2017,</b>	1	
323	Robust control algorithm of grid interfaced solar PV system <b>2017,</b>	1	
322	RLMMN adaptive filtering based control scheme for multi-objective GPV system <b>2017,</b>	1	
321	Single stage PV array fed synchronous reluctance motor drive <b>2017,</b>	1	
320	Implementation of demodulation-SOGI control algorithm for improving the power quality <b>2017,</b>	1	
319	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

318	Analysis and mitigation of parallel resonance in the distribution system <b>2015</b> ,		1
317	Control of doubly fed induction generator in standalone wind energy conversion system <b>2015</b> ,		1
316	A dual tangent based algorithm for maximum power point tracking of solar PV systems <b>2015</b> ,		1
315	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
314	Power factor correction in brushless DC motor drive using a boost-forward SSIPP <b>2014</b> ,		1
313	Sliding mode control of static shunt compensator <b>2014</b> ,		1
312	Power factor correction in a brushless DC motor drive using an isolated-Luo converter <b>2014</b> ,		1
311	Design and operation for a standalone DG-SPV-BES microgrid system <b>2014</b> ,		1
310	A PFC based power quality improved bridgeless converter for welding applications <b>2014</b> ,		1
309	Modified EPLL based control to eliminate DC component in a grid interfaced solar PV system <b>2014</b> ,		1
308	PMSG based grid integrated wind energy conversion system with controlled power injection <b>2014</b> ,		1
307	Single-Phase Boost Rectifier Fed SRM Drive. <i>IETE Journal of Research</i> , <b>2014</b> , 60, 12-19	0.9	1
306	Grid integration of solar PV power generating system using QPLL based control algorithm <b>2014</b> ,		1
305	A unity power factor NI-BIBRED converter fed brushless DC motor drive <b>2014</b> ,		1
304	Luenberger observer based control algorithm for single-phase two-stage multifunctional grid connected solar energy conversion system <b>2014</b> ,		1
303	A comprehensive MATLAB GUI based performance evaluation of three winding single phase SEIG <b>2012</b> ,		1
302	Control of shunt custom power device based on Anti-Hebbian learning algorithm <b>2012</b> ,		1
301	Series active filter based voltage controller for an isolated asynchronous generator <b>2012</b> ,		1

300	Power quality improvement using three phase modular converter for welding power supply <b>2012,</b>		1
299	Modeling and control of stand-alone wind energy conversion system with PMBLDC generator <b>2012,</b>		1
298	<b>2012,</b>		1
297	Variable step learning control algorithm for VSC based shunt compensator <b>2013,</b>		1
296	Design, Control, and Modeling of a New Voltage Source Converter for HVDC System. <i>International Journal of Emerging Electric Power Systems</i> , <b>2013</b> , 14, 123-138	1.4	1
295	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> , <b>2013</b> , 5, 216	0.2	1
294	Indirect current control of BTB-VSC with cage-rotor induction generator operating in grid connected and isolated mode <b>2011,</b>		1
293	Performance evaluation of a binary control technique for brushless dc motor drives <b>2011,</b>		1
292	Single stage modular converter with power factor improvement for telecom power supply <b>2010,</b>		1
291	Development of electronic load controller for IAG based standalone hydro power generation <b>2010,</b>		1
290	Quantitative Analysis and Rating Considerations of a Doubly Fed Induction Generator for Wind Energy Conversion Systems <b>2010,</b>		1
289	Performance evaluation of power converters with distribution static compensator <b>2010,</b>		1
288	Design, modeling and simulation of intelligent controller for small isolated diesel generator system <b>2010,</b>		1
287	Dynamic dead angle control of three-level voltage source converter based HVDC system <b>2011,</b>		1
286	A 12kW three-phase modular converter with unity power factor for telecom power supplies <b>2011,</b>		1
285	Performance and control of converter interfaced distribution resources <b>2011,</b>		1
284	Performance of a synchronous generator in stand-alone wind energy conversion system <b>2011,</b>		1
283	Flexible control of UPQC for selective compensation of power quality problems <b>2011,</b>		1

282	Power Balance Theory Based Voltage and Frequency Control for IAG in Wind Power Generation <b>2009</b> ,		1
281	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
280	Modeling and control of grid connected voltage source converter for power sharing <b>2012</b> ,		1
279	Incipient turn fault detection and condition monitoring of induction machine using analytical wavelet transform <b>2012</b> ,		1
278	A modular converter for welding power supply with improved power quality <b>2012</b> ,		1
277	Control of autonomous wind diesel battery hybrid power system <b>2012</b> ,		1
276	Power Quality Improvement of PMBLDCM Driven Air-Conditioner Using a Single-Stage PFC Boost Bridge Converter <b>2009</b> ,		1
275	Voltage- frequency controller for stand alone WECS employing permanent magnet synchronous generator <b>2009</b> ,		1
274	Three single-phase voltage source converter based three-phase four wire DSTATCOM <b>2009</b> ,		1
273	Implementation of Neural Network Controlled Three-Leg VSC and a Transformer as Three-Phase Four-Wire DSTATCOM <b>2009</b> ,		1
272	Star-hexagon transformer and non-isolated three-leg VSC based three-phase four-wire DSTATCOM. <i>International Journal of Power and Energy Conversion</i> , <b>2009</b> , 1, 198	0.4	1
271	Harmonic elimination, voltage control and load balancing in an isolated power generation. <i>European Transactions on Electrical Power</i> , <b>2010</b> , 20, 771-784		1
270	A novel control of four pole voltage source inverter for active filtering of nonlinear loads in 3-phase 4-wire systems		1
269	Capacitor Excited Asynchronous Generator for an Isolated Wind Energy Conversion System <b>2008</b> ,		1
268	Transient Performance of Three-Phase Four-Wire Stand Alone Supply System with Static Converter Employed for Industrial Loads <b>2008</b> ,		1
267	VSC with T-connected transformer based decoupled controller for a pico hydro power generation <b>2008</b> ,		1
266	A two-level 24-pulse voltage source converter with fundamental frequency switching for HVDC system <b>2008</b> ,		1
265	Design of Squirrel Cage Induction Motors for Traction Applications <b>2006</b> ,		1

264	Autotransformer Based Nine-Phase AC-DC Converter for Harmonic Mitigation in Induction Motor drives <b>2006</b> ,		1
263	A Tapped Delta Autotransformer Based 24-Pulse AC-DC Converter for Variable Frequency Induction Motor Drives <b>2006</b> ,		1
262	Adaline Based Control of Solid State Voltage Regulator for Isolated Asynchronous Generators <b>2006</b> ,		1
261	Fuzzy Pre-compensated PI Controller for PMBLDC Motor Drive <b>2006</b> ,		1
260	DSP Based Implementation of Sliding Mode Speed Controller for Direct Torque Controlled PMSM Drive <b>2006</b> ,		1
259	DSP Based Implementation of Vector Controlled Induction Motor Drive using Fuzzy Pre-compensated Proportional Integral Speed Controllers <b>2006</b> ,		1
258	A 36-Pulse AC-DC Converter for Line Current Harmonic Reduction <b>2006</b> ,		1
257	DSP based Sensorless Control of Permanent Magnet Brushless DC Motor. <i>IETE Journal of Research</i> , <b>2003</b> , 49, 269-275	0.9	1
256	DSP based Implementation of Vector Controlled Induction Motor Drive using Sliding Mode Speed Control Strategy. <i>IETE Journal of Research</i> , <b>2004</b> , 50, 229-236	0.9	1
255	Torque saturation and inherent temperature compensation of hybrid stepper motor used in space application. <i>Journal of Applied Physics</i> , <b>2002</b> , 91, 6964	2.5	1
254	Fuzzy supervisory controller for improved voltage dynamics in power factor corrected converter		1
253	Effects of nonuniform airgap and hysteresis on the performance of hybrid stepper motor		1
252	Generalized Concepts for Balancing Single Phase Load Fed from Three Phase Supply. <i>Electric Power Components and Systems</i> , <b>1999</b> , 27, 63-78		1
251	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
250	Transient analysis of parallelly operated self-excited induction generators		1
249	Fuzzy Based Sliding Mode Control of Permanent Magnet Brushless DC Motor. <i>IETE Journal of Research</i> , <b>1995</b> , 41, 245-252	0.9	1
248	EXPERIMENTAL INVESTIGATIONS ON STARTING OF INVERTER FED CAGE MOTOR. <i>Electric Power Components and Systems</i> , <b>1995</b> , 23, 119-140		1
247	Performance analysis of fuzzy logic controlled permanent magnet synchronous motor drive		1

246	Transient Analysis of a Three-Phase Induction Motor with Single Phase Supply. <i>IEEE Power Engineering Review</i> , <b>1983</b> , PER-3, 25-26		1
245	Robust Control Algorithm for Light Electric Vehicle Onboard Charging System		1
244	Robust Adaptive Position Observer for Multimode Wind-BES Based Microgrid Interfaced to Distribution Network <b>2020</b> ,		1
243	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
242	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
241	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
240	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
239	Robust Seventh Order Complex Filter Controller for PV-BES System with Seamless Grid Synchronization <b>2020</b> ,		1
238	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
237	Landsman Converter Based Sensorless BLDC Motor Driven Solar PV-Battery fed E-Rickshaw with Regenerative Braking <b>2020</b> ,		1
236	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
235	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
234	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
233	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
232	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
231	Control of Three-Phase Grid Integrated Multiple Solar Photovoltaic Arrays-BES Based Microgrid <b>2020</b> ,		1
230	Adjustable Speed Induction Motor drive fed by 13-level Cascaded Inverter and 54-Pulse Converter <b>2020</b> ,		1
229	Implementation of Grid Interactive and Islanded Controlled PV System for Residential Applications <b>2020</b> ,		1

228	Combined Variable Step Size LMS for DVR with Error Regulator Gain Tuning Through Ant-Lion Optimization <b>2020</b> ,		1
227	Single Switch Boost-Flyback PFC Converter for BLDC Motor Drive used in Ceiling Fan		1
226	Design and Development of Energy Efficient Single Phase Induction Motor For Ceiling Fan Using Taguchi's Orthogonal Arrays <b>2020</b> ,		1
225	Control of Self-Excited Induction Generator-based Micro-Hydro Power Generation System Feeding Single-Phase and Three-Phase Loads <b>2020</b> ,		1
224	An Isolated Bridgeless Cuk-SEPIC Converter Fed Electric Vehicle Charger <b>2020</b> ,		1
223	Position Sensorless BLDC Motor Drive for Single Stage PV Based Water Pumping <b>2020</b> ,		1
222	REVERSIBLE PERMANENT MAGNET BRUSHLESS DC MOTOR DRIVE WITHOUT MECHANICAL SENSORS. <i>International Journal of Power and Energy Systems</i> , <b>2007</b> , 27,	1.3	1
221	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
220	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
219	A New Waveshaper for Harmonic Mitigation in Vector Controlled Induction Motor Drives. <i>Journal of Electrical Engineering and Technology</i> , <b>2008</b> , 3, 152-161	1.4	1
218	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
217	Analysis of Reverse-Saliency PMSM with Multiple Flux-Barriers for SWPS <b>2020</b> ,		1
216	Application of Machine learning for Prediction of Solar Microgrid System <b>2020</b> ,		1
215	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
214	Design and Development of Capacitor Run Split-Phase Fan Motor for Higher Efficacy <b>2020</b> ,		1
213	A High-Performance Solar PV Array-Wind and Battery Integrated Microgrid for Rural Electrification <b>2020</b> ,		1
212	Multi-Mode Features of CIPNLMS-MFX Controlled Single-Phase PV System with Islanding Detection under Grid Outage <b>2020</b> ,		1
211	Power Quality Improvement in Fifteen Level PUC for PV Grid-Tied Applications <b>2020</b> ,		1



210	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
209	Coordinated Control Strategy for Hybrid Off-Grid System based on Variable Speed Diesel Generator <b>2020</b> ,		1
208	Robust Power Sharing between Dual Active Bridges to Improve a DC Microgrid's Stability <b>2020</b> ,		1
207	Mean Normalized Multi-objective Predictive Control for Matrix Converters with Common-mode Voltage Elimination <b>2020</b> ,		1
206	An Electric Vehicle Charger Based on Vienna Rectifier and Resonant LLC Converter <b>2020</b> ,		1
205	Three-Phase 4-Wire Isolated Wind Energy Conversion System Employing VSC with a T-Connected Transformer for Neutral Current Compensation. <i>Journal of Electrical Engineering and Technology</i> , <b>2009</b> , 4, 211-218	1.4	1
204	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
203	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
202	FFS modulated VSC with different phase-shifted 12-pulse configured transformers for grid integrated large-scale solar PV plant. <i>IET Renewable Power Generation</i> , <b>2020</b> , 14, 1746-1754	2.9	1
201	Control of Solar PV and WEGS Powered EV Charging Station <b>2020</b> ,		1
200	An Improved Power Factor Luo Converter based Battery Charger for Electric Vehicle <b>2020</b> ,		1
199	Design and Analysis of Halbach Array Assisted PM Brushless DC Motor for Ceiling Fan <b>2020</b> ,		1
198	Adaptive PR and BBO Based Control Strategy of Wind-Solar Integrated Standalone Microgrid for Residential Application <b>2020</b> ,		1
197	An 18-Pulse Converter and 4-Level Cascaded Inverter Based Induction Motor Drive <b>2020</b> ,		1
196	A Multifunctional Solar PV-SyRG Based Hydr Generation Utility Interactive Microgrid <b>2020</b> ,		1
195	DSVM based Predictive Torque Control of Induction motor for EV <b>2020</b> ,		1
194	<b>2021</b> ,		1
193	Sensorless BLDCM Ceiling Fan using a Single Switch and Single Stage PFC Converter <b>2021</b> ,		1

192	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
191	Utilization of Small Hydro Energy Conversion Based Renewable Energy for Dual Mode Operation <b>2021</b> ,		1
190	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
189	A FFP based adaptive control of SPV system tied to weak grid <b>2016</b> ,		1
188	Sinusoidal tracer control of single-stage SPV-Hydro-Battery based microgrid <b>2016</b> ,		1
187	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
186	Performance of single stage cascaded H-bridge multilevel converter based grid interfaced PV system <b>2016</b> ,		1
185	<b>2016</b> ,		1
184	Power Factor Correction in single-ended primary inductance converter fed switched reluctance motor drive <b>2016</b> ,		1
183	Improved power quality SEPIC converter fed series resonant inverter for induction heater <b>2016</b> ,		1
182	<b>2016</b> ,		1
181	Sign-Error Based Adaptive Control Technique for Single Stage Grid tied SPV System <b>2016</b> ,		1
180	A cross correlation control approach for multifunctional SPV system <b>2016</b> ,		1
179	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
178	<b>2016</b> ,		1
177	PFC converter based power quality improvement and ripple current minimization in BLDC motor drive <b>2016</b> ,		1
176	Harmonics and reactive current detection in a grid interfaced PV distribution system <b>2016</b> ,		1
175	Islanded distributed generation system with feedforward PR-EFLL control for AC-electric vehicle charger. <i>IET Power Electronics</i> , <b>2019</b> , 12, 3460-3469	2.2	1

174	Artificial Neural Network Based Advanced Current Control for Grid-Tied Photovoltaic System <b>2019</b> ,		1
173	Robust Frequency Cascaded Adaptive Complex Filter Control for Grid Interactive PV System <b>2019</b> ,		1
172	Dynamic Current Tracking for an On-board Bi-directional EV Charger with G2V and V2G Modes of Operation <b>2019</b> ,		1
171	A Bridgeless Isolated Half Bridge Converter Based EV Charger with Power Factor Pre-regulation <b>2019</b> ,		1
170	Predictive Based Control Algorithm for Hybrid Diesel-Battery Standalone Power Generation System <b>2019</b> ,		1
169	Delayed $\mu$ -Law Proportionate Adaptive Filter Based Control Approach for Weak Distribution Grid <b>2019</b> ,		1
168	Resonant LLC Converter For E-bike Charger <b>2019</b> ,		1
167	Design and Implementation of Sliding Mode Control of Light Electric Vehicle Employing Switched Reluctance Motor <b>2019</b> ,		1
166	Convex combination of least mean square for grid-tied PV system. <i>IET Renewable Power Generation</i> , <b>2019</b> , 13, 2319-2327	2.9	1
165	Flexible Control for PV Integrated Battery Energy Storage System <b>2019</b> ,		1
164	A Multifunctional Reduced Sensor Control for Grid-Interfaced Dual VSC Based Doubly Fed Induction Generator <b>2019</b> ,		1
163	Robust Control for Islanded and Seamless Mode Switching of Wind-PV-Grid Tied Generation System <b>2019</b> ,		1
162	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
161	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
160	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
159	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
158	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
157	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

156	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
155	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
154	PVBES Microgrid System with LQR-Tuned CCVVF-Based Control Algorithm. <i>Journal of the Institution of Engineers (India): Series B</i> , <b>2021</b> , 102, 585-593	0.9	1
153	Proportional-Resonant and Unipolar Switching Control of Single-Stage Solar Photovoltaic Grid Interfaced System. <i>IETE Journal of Research</i> , 1-11	0.9	1
152	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
151	An Efficient Solar Energized Water Pump Using High Gain Boost Converter <b>2018</b> ,		1
150	Real Time Implementation of CLMS Algorithm in 3P4W Solar PV-BES Based Microgrid System <b>2018</b> ,		1
149	Expert Fuzzy Logic Framework for Remotely Located Solar PV-Wind-BES Microgrid <b>2018</b> ,		1
148	Modified Notch Filter Based Control for Wind Energy Generation System Integrated to Single-Phase Weak Grid <b>2018</b> ,		1
147	Design and Analysis of Grid-Interactive DFIG Based WECS for Regulated Power Flow <b>2018</b> ,		1
146	SyRG-PV-BES Based Standalone Microgrid Using Approximate Multipliers Based Adaptive Control <b>2018</b> ,		1
145	An Intelligent Control for Synchronous Generator Based Wind-PV-Battery Microgrid System <b>2018</b> ,		1
144	An Asymmetric Seven Level Multilevel Converter for Grid Integrated Systems <b>2018</b> ,		1
143	Design and Modeling of High gain DC-DC Converter in Mixed Signal Domain Control for PV based Microgrid Application <b>2018</b> ,		1
142	Design and Development of High Efficiency Induction Motor for PV Array Fed Water Pumping <b>2018</b> ,		1
141	An Electric Vehicle Battery Charger with Interleaved PFC Cuk Converter <b>2018</b> ,		1
140	Utility Grid Interfaced Solar Water Pumping System Using PMSM Drive <b>2018</b> ,		1
139	A Microgrid Based on Wind Driven DFIG, DG and Solar PV Array for Optimal Fuel Consumption <b>2018</b> ,		1

138	Discrete Linear Phase Based MAF Control for Grid Tied Solar PV System <b>2018,</b>	1
137	Predictive Optimal Switching Vector Controller based Microgrid Enabling Switching Frequency Constraint <b>2018,</b>	1
136	Amplitude Adaptive Filter Based Control for Grid Tied Multifunctional Solar Energy Conversion System <b>2018,</b>	1
135	Distributed Control Framework for Autonomous Seamless Operation of Electronically Interfaced Distributed Generators in AC Microgrid <b>2018,</b>	1
134	A Novel Control Scheme for Wind Driven DFIG Interfaced with Utility Grid <b>2018,</b>	1
133	Frequency Adaptive Circle Tracing Observer-Based Control Algorithm for Grid-Connected SECS <b>2018,</b>	1
132	Voltage and Frequency Control with Load Levelling of PMSG Based Small-Hydro System <b>2018,</b>	1
131	Grid-PV Array Fed Induction Motor Drive for Water Pumping <b>2018,</b>	1
130	SyRG-PV-Battery Based Standalone Microgrid with D-EPLL Based VSC Control Algorithm <b>2018,</b>	1
129	A Robust CIM Based Control Approach for PVECS Interfaced To Local Distribution Network <b>2018,</b>	1
128	Performance Improvement of Switched Reluctance Motor Drive for Light Electric Vehicle Using Fuzzy Logic Controller <b>2018,</b>	1
127	Self-Adjustable Step Based Control Algorithm for Multifunctional PV System under Sag-Swell Conditions <b>2018,</b>	1
126	<b>2018,</b>	1
125	Modified Gradient Spectral Variance Smoothing Adaptive Filter Control for Grid Connected PV System <b>2018,</b>	1
124	Variable Step HCS Based Sensorless Control of Wind Driven DFIG for Autonomous Operation <b>2018,</b>	1
123	A Normalized Adaptive Filter for Enhanced Optimal Operation of Grid Interfaced PV System <b>2018,</b>	1
122	Power Quality Improvement in Single Phase Solar PV-APF Grid Tied System Using Robust Least-Mixed-Norm (RLMN) Algorithm <b>2018,</b>	1
121	PV-Hydro-Battery Based Standalone Microgrid for Rural Electrification <b>2018,</b>	1

120	A Robust SMOC for Vector Controlled PMSG based Isolated Wind Energy Generating System <b>2018</b> ,		1
119	Control of Grid Fed PV Generation using IIR Peak Filter in Distribution System <b>2018</b> ,		1
118	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
117	A PV-Grid Fed DTC Based Induction Motor Drive for Water Pumping <b>2018</b> ,		1
116	Design and Analysis of Grid Interfaced 43-Level CHB Multilevel Converter for Integrating 10 MW Solar PV Plant. <i>IETE Journal of Research</i> ,1-10	0.9	1
115	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
114	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
113	. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 68, 9665-9674	8.9	1
112	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
111	Cascaded Converter for Large-Scale Solar-BES System with Transformer Isolation <b>2021</b> ,		1
110	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
109	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
108	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
107	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
106	New Multicarrier Modulation Scheme for Harmonics Mitigation of T-Type Solar Multilevel Inverter. <i>Journal of the Institution of Engineers (India): Series B</i> ,1	0.9	1
105	BMS Based Grid Forming Converter and PV Array with DFIG Synchronization Technique <b>2021</b> ,		1
104	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
103	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

102	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
101	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
100	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
99	. <i>IEEE Transactions on Industry Applications</i> , <b>2020</b> , 56, 6882-6891	4.3	0
98	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
97	Bridgeless SEPIC PFC Converter for Multistring LED Driver. <i>Journal of the Institution of Engineers (India): Series B</i> , <b>2018</b> , 99, 353-367	0.9	0
96	Power Quality Improvement in a Four-Phase Switched Reluctance Motor Drive using Twelve-Pulse AC/DC Converter. <i>Electric Power Components and Systems</i> , <b>2014</b> , 42, 1495-1504	1	0
95	Passive Power Filters <b>2014</b> , 337-396		0
94	Voltage source converter with a transformer as an electronic load controller for a stand-alone power generation. <i>International Journal of Energy Technology and Policy</i> , <b>2010</b> , 7, 275	1	0
93	A Microcontroller based Speed Controller for Permanent Magnet Brushless DC Motor. <i>IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)</i> , <b>2000</b> , 17, 259-267	1.5	0
92	Microprocessor Based Design of a Firing Circuit for Three-Phase Thyristor Converter. <i>IETE Journal of Research</i> , <b>1993</b> , 39, 149-155	0.9	0
91	Modeling and Simulation of Cycloconverter Fed Induction Motor Drive. <i>Electric Power Components and Systems</i> , <b>1992</b> , 20, 239-259		0
90	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
89	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
88	A Multifunctional Three-Phase Grid Coupled Solar PV Energy Conversion System Using Delayed $\bar{\mu}$ -Law Proportionate Control for PQ Improvement. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 1-1	4.3	0
87	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
86	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
85	Single-phase wind-BES microgrid with seamless transition capability. <i>IET Power Electronics</i> , <b>2021</b> , 14, 313-325	2.2	0



84	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	o
83	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	o
82	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	o
81	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	o
80	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	o
79	. <i>IEEE Transactions on Industry Applications</i> , <b>2021</b> , 57, 130-138	4.3	o
78	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	o
77	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	o
76	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	o
75	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	o
74	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	o
73	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	o
72	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	o
71	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	o
70	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	o
69	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	o
68	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	o
67	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	o

66	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		o
65	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	o
64	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	o
63	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	o
62	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	o
61	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	
60	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	
59	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	
58	Single-stage unity power factor based electronic ballast. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , <b>2016</b> , 41, 1111-1122	1	
57	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	
56	Analysis and Design of Bridgeless Switched Mode Power Supply for Computers. <i>Journal of the Institution of Engineers (India): Series B</i> , <b>2014</b> , 95, 175-184	0.9	
55	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	
54	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	
53	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	
52	Artificial neural network based series active power filter for self excited induction generator. <i>Journal of Renewable and Sustainable Energy</i> , <b>2015</b> , 7, 013106	2.5	
51	Active Series Compensation <b>2014</b> , 170-228		
50	Active Shunt Compensation <b>2014</b> , 96-169		
49	Shunt Active Power Filters <b>2014</b> , 397-451		

48 Hybrid Power Filters **2014**, 504-578

47 Power Quality Improvement in Bridgeless AC/DC Converter Based Multi-output Switched Mode Power Supply. *International Journal of Emerging Electric Power Systems*, **2014**, 15, 533-544 1.4

46 Single-Phase Power Generation Using Three-Phase Self-Excited Synchronous Reluctance Generator. *International Journal of Emerging Electric Power Systems*, **2014**, 15, 377-388 1.4

45 Improved Power Quality SMPS for Personal Computer Applications. *Journal of the Institution of Engineers (India): Series B*, **2012**, 93, 151-161 0.9

44 Single Stage Single Switch Power Supply (S4PS) Design for Low Power HB-LED Lighting. *International Journal of Emerging Electric Power Systems*, **2013**, 14, 33-40 1.4

43 ELM-based sensorless speed control of permanent magnet synchronous machine. *International Journal of Vehicle Autonomous Systems*, **2013**, 11, 190 0.4

42 Power quality improvements employing multipulse full-wave AC-DC converters. *International Journal of Power Electronics*, **2011**, 3, 240 0.2

41 T-connected Transformer with a Voltage Source Converter for Voltage Control of an Isolated Asynchronous Generator. *IETE Journal of Research*, **2011**, 57, 430 0.9

40 Recurrent and Feedforward Neural Network Control of Permanent Magnet Synchronous Motor. *IETE Journal of Research*, **2011**, 57, 541 0.9

39 Solid-state controller for an IAG-based stand-alone wind energy conversion system. *International Journal of Sustainable Engineering*, **2012**, 5, 97-108 3.1

38 VSC with zigzag transformer based electronic load controller for a stand-alone power generation. *International Journal of Power and Energy Conversion*, **2009**, 1, 1 0.4

37 An improved electronic load controller for an isolated asynchronous generator feeding 3-phase 4-wire loads. *IETE Journal of Research*, **2008**, 54, 244 0.9

36 Active waveshaping of AC mains current in direct torque-controlled permanent magnet synchronous motor drive. *International Journal of Energy Technology and Policy*, **2006**, 4, 179 1

35 A Novel Regulation Band Approach for Fast Voltage Regulation in Single-Phase PFC Converters. *IETE Journal of Research*, **2003**, 49, 445-451 0.9

34 Detent torque from the soft magnetic stator stack of a hybrid stepper motor. *Journal of Applied Physics*, **2003**, 93, 8784-8786 2.5

33 A Simple Analog Controller for Switched Reluctance Motor. *IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)*, **2000**, 17, 249-258 1.5

32 Microprocessor Based Starting and Speed Control of a DC Link Commutated Inverter Fed Cage Motor Drive. *IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)*, **1995**, 12, 107-117 1.5

31 Steady-state analysis of a self-controlled synchronous motor. *Electric Power Systems Research*, **1996**, 36, 211-216 3.5

- 30 DESIGN OPTIMIZATION OF CURRENT SOURCE INVERTER FED SQUIRREL CAGE INDUCTION MOTOR. *Electric Power Components and Systems*, **1994**, 22, 467-480
- 29 Modelling and Simulation of Controllers for Hybrid Step Motor. *IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)*, **1995**, 12, 21-32 1.5
- 28 TRANSIENT ANALYSIS OF SOLID STATE PLUG BRAKING OF INDUCTION MOTORS. *Electric Power Components and Systems*, **1989**, 16, 107-125
- 27 A microprocessor-based firing control scheme for three-phase thyristor power converter. *Journal of Microcomputer Applications*, **1990**, 13, 361-369
- 26 LOAD COMMUTATED INVERTER FED VARIABLE SPEED RELUCTANCE MOTOR DRIVE. *Electric Power Components and Systems*, **1990**, 18, 277-282
- 25 TRANSIENT ANALYSIS OF BRAKING MODE OPERATION OF INDUCTION MOTOR FED FROM A VARIABLE FREQUENCY SOURCE. *Electric Power Components and Systems*, **1983**, 8, 433-443
- 24 Gradient Detection Starting Controlled Photovoltaic Sourced BLDCM Drive Without Position Sensors. *IEEE Transactions on Energy Conversion*, **2022**, 1-1 5.4
- 23 Reduced Sensor-Based Control of Unified Power Quality Conditioner. *Journal of the Institution of Engineers (India): Series B*, 1 0.9
- 22 Novel distortionless dimming in high power LED lighting using isolated SEPIC converter. *IET Power Electronics*, **2020**, 13, 3234-3242 2.2
- 21 MMLSTOGI based control for suppression of current harmonics in PV-tied grid. *IET Power Electronics*, **2020**, 13, 3697-3706 2.2
- 20 A Novel Solid State Controller for Parallel Operated Isolated Asynchronous Generators in Pico Hydro Systems. *Journal of Electrical Engineering and Technology*, **2007**, 2, 358-365 1.4
- 19 A Zigzag Connected Auto-Transformer Based 24-Pulse AC-DC Converter. *Journal of Electrical Engineering and Technology*, **2008**, 3, 235-242 1.4
- 18 Fundamental switched MW-size multilevel converter for large-scale solar PV plant. *IET Renewable Power Generation*, **2020**, 14, 3853-3863 2.9
- 17 Enhanced resonant two-degree of freedom-based PID controller for grid-integrated PV power generating system. *IET Renewable Power Generation*, **2020**, 14, 3550-3557 2.9
- 16 Application of Voltage Source Converter for Power Quality Improvement. *Lecture Notes in Electrical Engineering*, **2015**, 335-346 0.2
- 15 A Frequency Shifter-Based Simple Control for Solar PV Grid-Interfaced System. *Lecture Notes in Electrical Engineering*, **2015**, 363-374 0.2
- 14 Fault Immune Pico-Hydro Powered Base Station of Remote Telecommunication Tower. *Journal of Power Electronics*, **2016**, 16, 1612-1620 0.9
- 13 Frequency Adaptive Circle Tracing Observer-Based Control Algorithm for Ride-Through Operation of Grid-Connected SECS. *IEEE Transactions on Industry Applications*, **2020**, 56, 6216-6228 4.3

12	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
11	Energy-Efficient Ceiling Fan with Single-Phase Induction Motors <b>2021</b> , 6, 475	
10	Multi-objective Control of Solar PV-BES Microgrid. <i>Journal of the Institution of Engineers (India): Series B</i> , 1	0.9
9	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
8	Grid Integration of Single-Stage SPV-STATCOM System Using Symmetric Cascaded Five-Level VSC. <i>Journal of the Institution of Engineers (India): Series B</i> , <b>2019</b> , 100, 143-152	0.9
7	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
6	Harmonic Voltage Control in Distributed Generation Systems Using Optimal Switching Vector Strategy. <i>IEEE Systems Journal</i> , <b>2021</b> , 1-12	4.3
5	Robust control for seamless operation of wind-BES microgrid. <i>International Transactions on Electrical Energy Systems</i> , <b>2021</b> , 31, e12838	2.2
4	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
3	Control and implementation of multifunctional microgrid with seamless synchronization capability. <i>Energy Conversion and Economics</i> , <b>2021</b> , 2, 157-168	0.7
2	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
1	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