Mahesh Kumar Mishra

List of Publications by Year
in descending order

209 papers	6,023 citations	61857 43 h-index	85405 71 g-index
210 all docs	210 docs citations	210 times ranked	3772 citing authors

#	Article	IF	Citations
1	Adaptive Droop Control Strategy for Load Sharing and Circulating Current Minimization in Low-Voltage Standalone DC Microgrid. IEEE Transactions on Sustainable Energy, 2015, 6, 132-141.	5.9	372
2	Design and Analysis of Novel Control Strategy for Battery and Supercapacitor Storage System. IEEE Transactions on Sustainable Energy, 2014, 5, 1137-1144.	5.9	303
3	Dynamic Energy Management of Renewable Grid Integrated Hybrid Energy Storage System. IEEE Transactions on Industrial Electronics, 2015, 62, 7728-7737.	5.2	267
4	Variable Perturbation Size Adaptive P&O MPPT Algorithm for Sudden Changes in Irradiance. IEEE Transactions on Sustainable Energy, 2014, 5, 718-728.	5.9	260
5	A Novel Adaptive P&O MPPT Algorithm Considering Sudden Changes in the Irradiance. IEEE Transactions on Energy Conversion, 2014, 29, 602-610.	3.7	237
6	DC Grid Voltage Regulation Using New HESS Control Strategy. IEEE Transactions on Sustainable Energy, 2017, 8, 772-781.	5.9	144
7	A Supervisory Power Management System for a Hybrid Microgrid With HESS. IEEE Transactions on Industrial Electronics, 2017, 64, 3640-3649.	5.2	136
8	A Modified Three-Phase Four-Wire UPQC Topology With Reduced DC-Link Voltage Rating. IEEE Transactions on Industrial Electronics, 2013, 60, 3555-3566.	5.2	120
9	A Voltage-Controlled DSTATCOM for Power-Quality Improvement. IEEE Transactions on Power Delivery, 2014, 29, 1499-1507.	2.9	113
10	Interphase ACâ€“AC Topology for Voltage Sag Supporter. IEEE Transactions on Power Electronics, 2010, 25, 514-518.	5.4	112
11	Dynamic Energy Management of Hybrid Energy Storage System With High-Gain PV Converter. IEEE Transactions on Energy Conversion, 2015, 30, 150-160.	3.7	112
12	DC Capacitor Voltage Equalization in Neutral Clamped Inverters for DSTATCOM Application. IEEE Transactions on Industrial Electronics, 2010, 57, 2768-2775.	5.2	111
13	Operation of a DSTATCOM in voltage control mode. IEEE Transactions on Power Delivery, 2003, 18, 258-264.	2.9	110
14	Control Strategies for Load Compensation Using Instantaneous Symmetrical Component Theory Under Different Supply Voltages. IEEE Transactions on Power Delivery, 2008, 23, 2310-2317.	2.9	108
15	An Investigation on Design and Switching Dynamics of a Voltage Source Inverter to Compensate Unbalanced and Nonlinear Loads. IEEE Transactions on Industrial Electronics, 2009, 56, 2802-2810.	5.2	98
16	A DSTATCOM Topology With Reduced DC-Link Voltage Rating for Load Compensation With Nonstiff Source. IEEE Transactions on Power Electronics, 2012, 27, 1201-1211.	5.4	97
17	An Improved Hybrid DSTATCOM Topology to Compensate Reactive and Nonlinear Loads. IEEE Transactions on Industrial Electronics, 2014, 61, 6517-6527.	5.2	97
18	An Improved Direct ACâ€“AC Converter for Voltage Sag Mitigation. IEEE Transactions on Industrial Electronics, 2015, 62, 21-29.	5.2	97

#	Article	IF	Citations
19	Multifunctional VSC Controlled Microgrid Using Instantaneous Symmetrical Components Theory. IEEE Transactions on Sustainable Energy, 2014, 5, 313-322.	5.9	96
20	Grid Adaptive Power Management Strategy for an Integrated Microgrid With Hybrid Energy Storage. IEEE Transactions on Industrial Electronics, 2017, 64, 2884-2892.	5.2	95
21	Control schemes for equalization of capacitor voltages in neutral clamped shunt compensator. IEEE Transactions on Power Delivery, 2003, 18, 538-544.	2.9	92
22	A Fast-Acting DC-Link Voltage Controller for Three-Phase DSTATCOM to Compensate AC and DC Loads. IEEE Transactions on Power Delivery, 2009, 24, 2291-2299.	2.9	90
23	Design and Stability Analysis of DC Microgrid With Hybrid Energy Storage System. IEEE Transactions on Sustainable Energy, 2019, 10, 1603-1612.	5.9	83
24	A Control Scheme for Storageless DVR Based on Characterization of Voltage Sags. IEEE Transactions on Power Delivery, 2014, 29, 2261-2269.	2.9	82
25	Dual <inline-formula> <tex-math notation="LaTeX">P</tex-math> </inline-formula>-<inline-formula> <tex-math notation="LaTeX">Q</tex-math> </inline-formula> Theory Based Energy-Optimized Dynamic Voltage Restorer for Power Quality Improvement in a Distribution System. IEEE Transactions on Industrial Electronics, 2019, 66, 2946-2955.	5.2	81
26	Dynamic energy management of micro grids using battery super capacitor combined storage. , 2012, , .		78
27	Adaptive Maximum Power Point Tracking Control Algorithm for Wind Energy Conversion Systems. IEEE Transactions on Energy Conversion, 2016, 31, 697-705.	3.7	77
28	A Novel Method of Load Compensation Under Unbalanced and Distorted Voltages. IEEE Transactions on Power Delivery, 2007, 22, 288-295.	2.9	75
29	A Minimally Switched Control Algorithm forThree-Phase Four-Leg VSI Topology toCompensate Unbalanced and Nonlinear Load. IEEE Transactions on Power Electronics, 2008, 23, 1935-1944.	5.4	73
30	Predictive Voltage Control of Transformerless Dynamic Voltage Restorer. IEEE Transactions on Industrial Electronics, 2015, 62, 2693-2697.	5.2	73
31	Control of photovoltaicâ€based lowâ€voltage dc microgrid system for power sharing with modified droop algorithm. IET Power Electronics, 2016, 9, 1132-1143.	1.5	71
32	Operation and Control of an Improved Performance Interactive DSTATCOM. IEEE Transactions on Industrial Electronics, 2015, 62, 6024-6034.	5.2	67
33	A control algorithm for single-phase active power filter under non-stiff voltage source. IEEE Transactions on Power Electronics, 2006, 21, 822-825.	5.4	65
34	A Grid-Connected Dual Voltage Source Inverter With Power Quality Improvement Features. IEEE Transactions on Sustainable Energy, 2015, 6, 482-490.	5.9	64
35	A Single-Stage Grid-Connected High Gain Buckâ€“Boost Inverter With Maximum Power Point Tracking. IEEE Transactions on Energy Conversion, 2017, 32, 330-339.	3.7	61
36	An Optimization-Based Algorithm for Shunt Active Filter Under Distorted Supply Voltages. IEEE Transactions on Power Electronics, 2009, 24, 1223-1232.	5.4	58

#	Article	IF	Citations
37	Particle Swarm Optimization-Based Feedback Controller for Unified Power-Quality Conditioner. IEEE Transactions on Power Delivery, 2010, 25, 2814-2824.	2.9	58
38	Effective utilization of unified power quality conditioner for interconnecting PV modules with grid using power angle control method. International Journal of Electrical Power and Energy Systems, 2013, 48, 131-138.	3.3	56
39	A Multifunctional DSTATCOM Operating Under Stiff Source. IEEE Transactions on Industrial Electronics, 2014, 61, 3131-3136.	5.2	55
40	Dynamic Hysteresis Current Control to Minimize Switching for Three-Phase Four-Leg VSI Topology to Compensate Nonlinear Load. IEEE Transactions on Power Electronics, 2010, 25, 1935-1942.	5.4	49
41	Mitigation of Voltage Sags With Phase Jumps by UPQC With PSO-Based ANFIS. IEEE Transactions on Power Delivery, 2011, 26, 2761-2773.	2.9	49
42	Improved hysteresis current control of three-level inverter for distribution static compensator application. IET Power Electronics, 2009, 2, 517-526.	1.5	48
43	Design and Analysis of User-Defined Constant Switching Frequency Current-Control-Based Four-Leg DSTATCOM. IEEE Transactions on Power Electronics, 2009, 24, 2148-2158.	5.4	44
44	Constant switching frequency band controller for dynamic voltage restorer. IET Power Electronics, 2010, 3, 657.	1.5	44
45	Online condition monitoring system for substation and service transformers. IET Electric Power Applications, 2017, 11, 1187-1195.	1.1	40
46	An Efficient Wind Speed Computation Method Using Sliding Mode Observers in Wind Energy Conversion System Control Applications. IEEE Transactions on Industry Applications, 2020, 56, 730-739.	3.3	40
47	Energy management of hybrid microgrid with hybrid energy storage system. , 2015, , .		38
48	Threeâ€leg inverterâ€based distribution static compensator topology for compensating unbalanced and nonâ€linear loads. IET Power Electronics, 2015, 8, 2076-2084.	1.5	38
49	An Adaptive Approach for Effective Power Management in DC Microgrid Based on Virtual Generation in Distributed Energy Sources. IEEE Transactions on Industrial Informatics, 2020, 16, 362-372.	7.2	38
50	Multisource Switched Capacitor Based Boost Multilevel Inverter for Photovoltaic-Based Systems. IEEE Transactions on Power Electronics, 2020, 35, 2558-2570.	5.4	37
51	Instantaneous Symmetrical Component Theory Based Parallel Grid Side Converter Control Strategy for Microgrid Power Management. IEEE Transactions on Sustainable Energy, 2019, 10, 682-692.	5.9	35
52	Minimization of VA loading of Unified Power Quality Conditioner (UPQC). , 2009, , .		31
53	Study on the design and switching dynamics of hysteresis current controlled fourâ€leg voltage source inverter for load compensation. IET Power Electronics, 2018, 11, 310-319.	1.5	29
54	Circulating current minimization and current sharing control of parallel boost converters based on Droop Index. , 2013, , .		26

#	Article	IF	Citations
55	A new compensation algorithm for balanced and unbalanced distribution systems using generalized instantaneous reactive power theory. Electric Power Systems Research, 2001, 60, 29-37.	2.1	25
56	Interturn Faults Detection of Transformers by Diagnosis of Neutral Current. IEEE Transactions on Power Delivery, 2016, 31, 1096-1105.	2.9	25
57	A Unified Control Scheme for a Standalone Solar-PV Low Voltage DC Microgrid System With HESS. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 1351-1360.	3.7	25
58	An Improved Current Controller for Grid Connected Voltage Source Converter in Microgrid Applications. IEEE Transactions on Sustainable Energy, 2015, 6, 595-605.	5.9	24
59	Adaptive perturb & observe MPPT algorithm for photovoltaic system. , 2013, , .		22
60	Comparison of single phase shunt active power filter algorithms. , 2006, , .		21
61	DSTATCOM topologies for three-phase high power applications. International Journal of Power Electronics, 2010, 2, 107.	0.1	21
62	SRF based current controller using PI and HC regulators for DSTATCOM with SPWM switching. International Journal of Electrical Power and Energy Systems, 2015, 67, 87-100.	3.3	21
63	Load compensation for systems with non-stiff source using state feedback. Electric Power Systems Research, 2003, 67, 35-44.	2.1	20
64	Integration of PV/battery hybrid energy conversion system to the grid with power quality improvement features. , 2013, , .		20
65	A new STATCOM topology to compensate loads containing AC and DC components. , 0, , .		19
66	A new adaptive P&O MPPT algorithm based on FSCC method for photovoltaic system. , 2013, , .		19
67	Fuzzy logic based supervision of DC link PI control in a DSTATCOM. , 2008, , .		18
68	Synchronous reference frame based current controller with SPWM switching strategy for DSTATCOM applications. , 2012, , .		18
69	Novel adaptive P&O MPPT algorithm for photovoltaic system considering sudden changes in weather condition. , 2013, , .		18
70	Coordinated control and energy management of hybrid energy storage system in PV system. , 2014, , .		18
71	Design of External Inductor for Improving Performance of Voltage Controlled DSTATCOM. IEEE Transactions on Industrial Electronics, 2016, , 1-1.	5.2	18
72	Coupled inductorâ€based singleâ€stage high gain DCâ€“AC buckâ€“boost inverter. IET Power Electronics, 2016, 9, 1590-1599.	1.5	18

#	Article	IF	Citations
73	Droop characteristics based damping and inertia emulation of DC link in a hybrid microgrid. IET Renewable Power Generation, 2020, 14, 1044-1052.	1.7	18
74	A new control strategy for interfacing battery supercapacitor storage systems for PV system. , 2014, , .		17
75	Grid interactive combined supercapacitor/battery energy storage system with power quality features. , 2015, , .		17
76	A three port high gain non-isolated DC-DC converter for photovoltaic applications. , 2016, , .		17
77	User-defined constant switching frequency current control strategy for a four-leg inverter. IET Power Electronics, 2009, 2, 335-345.	1.5	16
78	A new algorithm for active shunt filters using instantaneous reactive power theory. IEEE Power Engineering Review, 2000, 20, 56-58.	0.1	15
79	Design of passive filter components for switching band controlled DVR. , 2008, , .		15
80	Compensation of voltage sags and harmonics with phase-jumps through DVR with minimum VA rating using Particle Swarm Optimization. , 2009, , .		15
81	Unified shunt compensator algorithm based on generalised instantaneous reactive power theory. IET Generation, Transmission and Distribution, 2001, 148, 583.	1.1	14
82	Stator Winding Inter-turn Insulation Fault Detection in Induction Motors by Symmetrical Components Method. Electric Power Components and Systems, 2008, 36, 741-753.	1.0	14
83	A DSP-based Integrated Hardware Set-up for a DSTATCOM: Design, Development, and Implementation Issues. IETE Journal of Research, 2010, 56, 11.	1.8	13
84	Grid tied singleâ€stage inverter for lowâ€voltage PV systems with reactive power control. IET Power Electronics, 2018, 11, 1766-1773.	1.5	13
85	Rating and design issues of DVR injection transformer. International Journal of Power Electronics, 2010, 2, 143.	0.1	12
86	Instantaneous symmetrical component theory based algorithm for characterization of three phase distorted and unbalanced voltage sags. , 2013, , .		12
87	Power management of grid connected hybrid microgrid with dual voltage source inverter. , 2016, , .		12
88	Rating and design issues of DVR injection transformer. , 2008, , .		11
89	Power quality survey in a technological institute. , 2009, , .		11
90	A development and implementation of DSP based DSTATCOM to compensate unbalanced nonlinear loads. , 2006, , .		10

#	Article	IF	Citations
91	A modified DSTATCOM topology with reduced VSI rating, DC link voltage, and filter size. , 2013, , .		10
92	A Brief Review on DC Microgrid Protection. , 2020, , .		10
93	An improved droop control algorithm for load sharing and circulating current control for parallel DC-DC converters in standalone DC microgrid. , 2014, , .		9
94	A Comparative Performance Study of Advanced PLLs for Grid Synchronization. , 2020, , .		9
95	Wing Technique: A Novel Approach for the Detection of Stator Winding Inter-Turn Short Circuit and Open Circuit Faults in Three Phase Induction Motors. Journal of Power Electronics, 2012, 12, 208-214.	0.9	9
96	A Study on Design and Dynamics of Voltage Source Inverter in Current Control Mode to Compensate Unbalanced and Non-linear Loads. , 2006, , .		8
97	A Novel Load Compensation Algorithm under Unbalanced and Distorted Supply Voltages. International Journal of Emerging Electric Power Systems, 2007, 8, .	0.6	8
98	Energy conservation and power quality improvement with voltage controlled DSTATCOM. , 2013, , .		8
99	A single stage high gain buck-boost inverter with coupled inductor. , 2014, , .		8
100	Application of hybrid energy storage system in a grid interactive microgrid environment. , 2015, , .		8
101	A Novel Three-Phase Active Power Filter Control Algorithm with Unbalanced and Distorted Supply Voltages. , 2005, , .		7
102	Design and small signal analysis of DC microgrid with hybrid energy storage system. , 2017, , .		7
103	An Improved Voltage Regulation and Effective Power Management by Coordinated Control Scheme in Multibus DC Microgrid. IEEE Access, 2022, 10, 72301-72311.	2.6	7
104	A novel constant switching frequency strategy for a three-leg DSTATCOM. Canadian Conference on Electrical and Computer Engineering, 2008, , .	0.0	6
105	Capacitor voltage balancing in neutral clamped inverters for DSTATCOM application. , 2009, , .		6
106	A control algorithm for flexible operation of DSTATCOM for power quality improvement in voltage and current control mode. , 2012, , .		6
107	Design and development of real-time small-scale wind turbine simulator. , 2014, , .		6
108	Proportional droop index algorithm for load sharing in DC microgrid. , 2014, , .		6

#	Article	IF	Citations
109	Power management based on the operating conditions of grid, mircogrid and hybrid storage. , 2015, , .		6
110	LCL filter with passive damping for DSTATCOM using PI and HC regulators in <mml:math altimg="si77.gif" display="inline" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/. Susta	2.3	6
111	LCL filter based UPQC configuration for power quality improvement. , 2016, , .		6
112	PSO based power sharing scheme for an islanded DC microgrid system. , 2017, , .		6
113	Online electricity theft detection and prevention scheme for smart cities. IET Smart Cities, 2020, 2, 155-164.	1.6	6
114	An Improved Deadbeat Direct Power Control for Grid Connected Inverter System. , 2021, , .		6
115	A multi-objective control scheme of a voltage source converter with batteryâ€“supercapacitor energy storage system used for power quality improvement. International Journal of Electrical Power and Energy Systems, 2022, 142, 108253.	3.3	6
116	A Fast Transient Response Single Phase Active Power Filter. , 2005, , .		5
117	Complex wavelet based control strategy for UPQC. , 2010, , .		5
118	Analysis and control of DC-DC boost converter using average power balance control (APBC). , 2012, , .		5
119	Current sharing control strategy of parallel inverters using instantaneous symmetrical component theory. , 2014, , .		5
120	Control algorithm for a PV based hybrid microgrid. , 2015, , .		5
121	A single stage coupled inductor based high gain DC-AC buck-boost inverter for photovoltaic (PV) applications. , 2015, , .		5
122	Dual distribution static compensator for threeâ€phase fourâ€wire distribution system. IET Generation, Transmission and Distribution, 2016, 10, 399-411.	1.4	5
123	A high gain grid connected single stage inverter system with reactive power control. , 2017, , .		5
124	Effective Current Based Inverter Loss Computation and its Application for Energy Savings in a Microgrid Environment. , 2020, , .		5
125	Modeling of a four-leg inverter based DSTATCOM for load compensation. , 2010, , .		4
126	Power quality improvement using Zig-Zag transformer and DSTATCOM in three phase power distribution system. , 2013, , .		4

#	Article	IF	Citations
127	DSTATCOM with LCL filter using synchronous reference frame current controller. , 2013, , .		4
128	A multi-functional DSTATCOM operating in voltage control mode. , 2013, , .		4
129	Adaptive MPPT control algorithm for small-scale wind energy conversion systems. , 2014, , .		4
130	Design and control process of SEPIC converter for maximum power extraction in wind energy conversion systems. , 2015, , .		4
131	MPP tracking of PV based low voltage DC microgrid system with adaptive droop algorithm. , 2015, , .		4
132	Single Phase Dynamic Voltage Restorer topology based on five-level ground point shifting inverter. , 2017, , .		4
133	Cost Savings Oriented Microgrid Control Strategy Considering Battery Degradation. , 2018, , .		4
134	Loss Modulated Deadbeat Control for Grid Connected Inverter System. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2023, 11, 3715-3725.	3.7	4
135	Detection of Inter-turn Short-circuit Fault in Induction Motor Using Theory of Instantaneous Symmetrical Components. , 2006, , .		3
136	Single-Phase Fast Response Power Factor Transducer. , 2006, , .		3
137	A hybrid topology for reducing DC link voltage rating in DSTATCOM applications. , 2011, , .		3
138	Analysis and control of buck-boost converter using average power balance control (APBC). , 2012, , .		3
139	A AC-AC converter based topology for mitigation of voltage sag with phase jump. , 2013, , .		3
140	A dual three-leg VSI based DSTATCOM in three-phase four-wire distribution systems. , 2015, , .		3
141	A control scheme to enhance DSTATCOM operation in power distribution system. , 2015, , .		3
142	Design of current mode controlled SEPIC DC-DC converter for MPPT control of wind energy conversion systems. , 2015, , .		3
143	A comparative study of control theories for realizing APFs in distribution power systems. , 2016, , .		3
144	Inertia emulation using HESS in a microgrid environment by droop control. , 2017, , .		3

#	Article	IF	Citations
145	Wavelet transform based algorithms for load compensation using DSTATCOM. , 2017, , .		3
146	Optimized Design of Earthing System for Substations with High Soil Resistivity and Limited Plot Area. , 2018, , .		3
147	Control Strategy for a PV-Wind based Standalone DC Microgrid with Hybrid Energy Storage System. , 2019, , .		3
148	Constant frequency current control using a ramp comparison method for a DSTATCOM application. , 2008, , .		2
149	An optimization based algorithm for shunt active filter under unbalanced and nonsinusoidal supply voltages. , 2008, , .		2
150	Switching Minimization of Three-Phase Four-Leg Dynamic Voltage Restorer. , 2009, , .		2
151	Compensation of voltage sags with phase-jumps through DVR with minimum VA rating using PSO. , 2009, , .		2
152	Adaptive Band Controller for Dynamic Voltage Restorer. , 2009, , .		2
153	Ramp based constant frequency current control for DSTATCOM. International Journal of Power Electronics, 2009, 1, 249.	0.1	2
154	Comparison of various Voltage Source Inverter based UPQC topologies. , 2011, , .		2
155	Reduced switching frequency algorithm for three-level diode clamped inverter based DVR. , 2011, , .		2
156	Minimisation of VA loading of UPQC in three-phase four-wire distribution system. International Journal of Power Electronics, 2012, 4, 197.	0.1	2
157	Synchronization of variable speed PMSG based wind energy conversion system to the grid with power quality improvement features. , 2012, , .		2
158	Control and operation of unified power quality Conditioner with battery-ultracapacitor energy storage system. , 2014, , .		2
159	Dual-functional DSTATCOM with flexible mode transfer for power quality improvement. , 2014, , .		2
160	Modified DSTATCOM Topology with Reduced DC Link Voltage for Reactive and Harmonic Power Compensation of Unbalanced Nonlinear Load in Distribution System. International Journal of Emerging Electric Power Systems, 2014, 15, 263-277.	0.6	2
161	Improved Load Compensation using Harmonic Compensator in dq0 Current Controller for DSTATCOM. International Journal of Emerging Electric Power Systems, 2014, 15, 569-589.	0.6	2
162	ISCT based adaptive power management strategy for grid connected hybrid microgrid during GTC faults with reduced sensor requirement. , 2017, , .		2

#	Article	IF	Citations
163	DC grid voltage regulation using new HESS control strategy. , 2017, , .		2
164	An Inbuilt Synchronization Controller for Three-Phase Synchronverters. , 2018, , .		2
165	Dynamic Voltage Restorer with Battery Management Features for Power Quality Improvement in Distribution System. , 2018, , .		2
166	Loss Modulated Direct Power Control for Single-Phase Grid Connected Multisource Fed Photovoltaic System. , 2020, , .		2
167	Analysis and design of gradient descent based preâ€synchronization control for synchronverter. IET Renewable Power Generation, 2021, 15, 297-312.	1.7	2
168	Adaptive power management algorithm for multi-source DC microgrid system. International Journal of Emerging Electric Power Systems, 2023, 24, 319-340.	0.6	2
169	Unbalanced voltage sag correction with dynamic voltage restorer using particle swarm optimization. , 2008, , .		1
170	Design and analysis of User-Defined Constant Switching frequency current control based four leg DSTATCOM. , 2008, , .		1
171	PSO-based feedback controller design of DSTATCOM for load compensation with non-stiff sources. International Journal of Power Electronics, 2008, 1, 191.	0.1	1
172	A new control strategy for load compensation in power distribution system. , 2009, , .		1
173	Compensation of Voltage Sags with Phase-Jumps through DVR with Minimum VA Rating Using PSO based ANFIS Controller. International Journal of Swarm Intelligence Research, 2010, 1, 19-33.	0.5	1
174	Comparison of Control Strategies for DSTATCOM in Power Distribution System. International Journal of Emerging Electric Power Systems, 2011, 12, .	0.6	1
175	Analysis and control of DC-DC Buck converter using average power balance control (APBC). , 2012, , .		1
176	Modified boost inverter topology for compensation of unbalanced and nonlinear loads in three phase system. , 2012, , .		1
177	Fourth order coupled inductor boost converter topology for solar PV tracking applications. , 2013, , .		1
178	A dual voltage source inverter scheme for power quality enhanced microgrid system. , 2013, , .		1
179	LCL Filter with Active Damping using PI and SSI Regulators in Synchronous Rotating Reference Frame Current Controller for DSTATCOM. International Journal of Emerging Electric Power Systems, 2013, 14, 309-326.	0.6	1
180	A three-leg inverter based DSTATCOM topology for compensating unbalanced and nonlinear loads. , 2014, , .		1

#	Article	IF	Citations
181	Analysis and control of DC-DC converters using average power balance control (APBC) in solar power applications. , 2014, , .		1
182	Battery/supercapacitor based grid integrated microgrid with improved power quality features. , 2015, , .		1
183	Control algorithm for a PV powered BLDC drive for air conditioner application. , 2015, , .		1
184	Adaptable voltage source inverter for grid integration of renewables with enhanced power quality capabilities. , 2016, , .		1
185	Special Protection Scheme at BTPS Power Station. Journal of the Institution of Engineers (India): Series B, 2016, 97, 97-107.	1.3	1
186	Sliding Mode Observers Based Wind Speed Computation Method in Wind Energy Conversion Systems Control Applications. , 2018, , .		1
187	Maximum Power Output from a Solar PV Array Under Partially Shaded Conditions. , 2018, , .		1
188	Variable Structure Control for Three Phase-Three Wire Nine Switch Converter with LCL Filter. , 2019, , .		1
189	Design of Composite Energy Storage System for Wind Turbine under Gust. , 2019, , .		1
190	DC Bus Voltage Control in Hybrid AC/DC Microgrid System. , 2020, , .		1
191	Maximum Power Point Tracking for Photovoltaic-Fed Multi-Source Switched Capacitor Based Multilevel Inverter. , 2020, , .		1
192	Power quality improvement and photovoltaic module interconnection using unified power quality conditioner. Australian Journal of Electrical and Electronics Engineering, 2013, 10, .	0.7	1
193	An Integrated Control of Enhanced-PLL and Synchronverter for Unbalanced Grid. , 2020, , .		1
194	Development of a prototype module for DSP based DSTATCOM to compensate unbalanced non-linear loads. , 2006, , .		0
195	A State Feedback Control of Single Phase Active Power Filter under Non-stiff Supply. , 2006, , .		0
196	A three phase DSTATCOM compensating AC and DC loads with fast dynamic response. Canadian Conference on Electrical and Computer Engineering, 2008, , .	0.0	0
197	An improved switching strategy for a three-phase three-leg DSTATCOM. , 2008, , .		0
198	A simplified three phase PWM rectifier with fixed frequency modulation. , 2010, , .		0

#	Article	IF	Citations
199	Switching minimization and reduction of power loss in a Dynamic Voltage Restorer. , 2010, , .		0
200	Power management with power quality enhanced operation in off-grid hybrid power systems. , 2014, , .		0
201	Corrective Measures for the Effective Load Management and Control Under Disturbance at Bhusawal Thermal Power Station: Case Study. Journal of the Institution of Engineers (India): Series B, 2014, 95, 163-173.	1.3	0
202	Mathematical analysis of user defined constant switching frequency in four-leg inverter based DSTATCOM. , 2015, , .		0
203	Enhanced utilization of grid-connected inverter. , 2015, , .		0
204	Power management of islanded hybrid microgrid with dual voltage source inverter considering the impact of line impedance. , 2016, , .		0
205	Switched Capacitor Based Boost Multilevel Inverters: Design Criterion and Limitations. , 2019, , .		0
206	Control and Operation of Multifunctional DSTATCOM with Battery-Supercapacitor Energy Storage System. , 2019, , .		0
207	A Robust Control Scheme for an Integrated Nine-Switch Power Quality Conditioner. , 2019, , .		0
208	Compensation of Voltage Sags with Phase-Jumps through DVR with Minimum VA Rating Using PSO based ANFIS Controller. , 0, , 133-147.		0
209	A Robust Control Strategy for Power Management of an Islanded DC Microgrid. , 2022, , .		0