

# Subhashish Bhattacharya

## List of Publications by Year in descending order

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616  
papers

11,674  
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93792

39  
h-index

84171

75  
g-index

620  
all docs

620  
docs citations

620  
times ranked

10213  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Gen-3 10-kV SiC MOSFET-Based Medium-Voltage Three-Phase Dual Active Bridge Converter Enabling a Mobile Utility Support Equipment Solid State Transformer. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 1519-1536.	3.7	17
2	Disturbance Rejection Analysis of a Droop-Controlled DC Microgrid Through a Novel Mathematical Modeling. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 1507-1518.	3.7	6
3	A Three-Phase Active-Front-End Converter System Enabled by 10-kV SiC MOSFETs Aimed at a Solid-State Transformer Application. IEEE Transactions on Power Electronics, 2022, 37, 5606-5624.	5.4	13
4	Active Gate Driving Technique for Series Connecting SiC MOSFETs in the Presence of Gate Pulse Delay Mismatch. IEEE Transactions on Industrial Electronics, 2022, 69, 12402-12413.	5.2	7
5	Improved EEMF-Based Position Sensorless Control for Non-sinusoidal Back-EMF PMSMs. Journal of Electrical Engineering and Technology, 2022, 17, 1229-1238.	1.2	5
6	A General Multilevel Polygonal Space Vector Generation Scheme With Reduced Switching for the Inverter and Harmonic Suppression Using a Switched-Capacitive Filter for the Full Modulation Range. IEEE Transactions on Power Electronics, 2022, 37, 8167-8176.	5.4	7
7	Monolithic Reverse Blocking 1.2 kV 4H-SiC Power Transistor: A Novel, Single-Chip, Three-Terminal Device for Current Source Inverter Applications. IEEE Transactions on Power Electronics, 2022, 37, 10112-10116.	5.4	7
8	Power Ripple Control Method for Modular Multilevel Converter under Grid Imbalances. Energies, 2022, 15, 3535.	1.6	5
9	An Equivalent Hybrid Model for a Large-Scale Modular Multilevel Converter and Control Simulations. IEEE Access, 2022, 10, 53504-53512.	2.6	0
10	Performance evaluation of Two-level to Three-level Three-phase Dual Active Bridge (2L-3L DAB3). , 2022, , .		4
11	A Droop Control Algorithm with Frequency Partitioning Capability and SoC Balancing for Different Energy Storage Systems. , 2022, , .		2
12	Silicon Application Extension Versus WBG Due to Partial Power Processing. , 2022, , .		1
13	Fault-Tolerant Control and Isolation Method for NPC-Based AFEC Using Series-Connected 10kV SiC MOSFETs. IEEE Access, 2022, 10, 73893-73906.	2.6	5
14	Design Considerations of Multi-Phase Multilevel Inverters for High-Power Density Traction Drive Applications. , 2022, , .		5
15	A Fault Clearance and Restoration Approach for MMC-Based MTDC Grid. Electronics (Switzerland), 2022, 11, 2127.	1.8	2
16	A 10-kV SiC MOSFET (Gen3) Half-Bridge Module-Based Isolated Bidirectional DC-DC Converter Block for Medium-Voltage High-Power Applications. IEEE Transactions on Electrical and Electronic Engineering, 2021, 16, 127-138.	0.8	3
17	Gate Drivers for Medium-Voltage SiC Devices. IEEE Journal of Emerging and Selected Topics in Industrial Electronics, 2021, 2, 1-12.	3.0	18
18	Analytical Study of SiC MOSFET Based Inverter Output dv/dt Mitigation and Loss Comparison With a Passive dv/dt Filter for High Frequency Motor Drive Applications. IEEE Access, 2021, 9, 15228-15238.	2.6	15

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19	An Active Voltage Stabilizer for a DC Microgrid System. IEEE Access, 2021, 9, 86786-86800.	2.6	4
20	Solid State Transformer for Medium Voltage Grid Applications Enabled by 10 kV SiC MOSFET based Three-Phase Converter Systems. , 2021, , .		3
21	Controller Design for the Rating-Proportional Current Sharing in Modular Hybrid Critical Load Substation Transformers. , 2021, , .		1
22	Comparative Study of a 3.3 kV SiC-based Voltage and Current Source Inverter for High-Speed Motor Drive Applications. , 2021, , .		11
23	Study of Switching Transients based on dv/dt and di/dt for a GaN-based Two-Level Pole. , 2021, , .		2
24	Performance Evaluation of a Novel High Voltage Monolithically Integrated SiC MOSFET-DIODE for Solar String Inverters. , 2021, , .		0
25	Paralleling of LLC Resonant Converters. IEEE Transactions on Power Electronics, 2021, 36, 6276-6287.	5.4	26
26	Adaptive Nonlinear Droop Control with Dynamic State-of-Charge Balancing Capability for Batteries in DC Microgrids. , 2021, , .		2
27	Design of a Fault-tolerant Controller for Three-phase Active front End Converter used for Power Conditioning Applications. , 2021, , .		4
28	High Efficiency Medium Voltage to Low Voltage Wireless Power Transformation for Data Centers. , 2021, , .		1
29	Performance Analysis of PMSM during Regeneration fed by Dual-Inverter System. , 2021, , .		2
30	A Modified Droop Control Algorithm for DC Microgrids to Achieve Accurate Current Sharing and Improved Voltage Regulation. , 2021, , .		4
31	Switching Characteristics of a 1.2 kV, 50 m <sup>2</sup> SiC Monolithic Bidirectional Field Effect Transistor (BiDFET) with Integrated JBS Diodes. , 2021, , .		2
32	Reliability and Cost Modeling of a Modular Multilevel Converter. , 2021, , .		1
33	Modeling of Energy Source in DC Microgrids with Voltage Regulation Capability. , 2021, , .		0
34	Performance Comparison and Demonstration of 3-L Voltage Source Inverters Using 3.3 kV SiC MOSFETs for 2.3 kV High Speed Induction Motor Drive Applications. , 2021, , .		4
35	System-Level Common-Mode EMI Analysis for Drive Applications Using Unterminated Behavioral EMI Models. , 2021, , .		1
36	An Improved PWM Method for Minimum Common-Mode Circulating Current Operation of Six Phase Three Level Inverter. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
37	Performance Evaluation of 10 kV SiC Current Switch Based PWM Current Source Inverter for 4.16 kV Motor Drive Applications. , 2021, , .		4
38	Medium Voltage Shore-to-Ship Connection System Enabled by Series Connected 3.3 kV SiC MOSFETs. , 2021, , .		7
39	A Novel Submodule Level Fault-Tolerant Approach for MMC With Integrated Scale-Up Architecture. IEEE Journal of Emerging and Selected Topics in Industrial Electronics, 2021, 2, 343-352.	3.0	16
40	Thermal and Reliability Characterization of an Epoxy Resin-Based Double-Side Cooled Power Module. Journal of Microelectronics and Electronic Packaging, 2021, 18, 123-136.	0.8	6
41	An Optimized Circulating Current Control Method Based on PR and PI Controller for MMC Applications. IEEE Transactions on Industry Applications, 2021, 57, 5074-5085.	3.3	44
42	Layout Inductance Assisted Novel Turn-on Switching Loss Recovery Technique for SiC MOSFETs. IEEE Journal of Emerging and Selected Topics in Industrial Electronics, 2021, 2, 513-525.	3.0	2
43	Design and Implementation of 50V/400A Single-Stage Full-Bridge Synchronous Rectifier for Data Center Application. , 2021, , .		0
44	Optimized AC/DC Dual Active Bridge Converter using Monolithic SiC Bidirectional FET (BiDFET) for Solar PV Applications. , 2021, , .		8
45	Medium Voltage to Low Voltage Contactless Power Transformation for Data Centers. , 2021, , .		0
46	Design considerations of 6.5kV enabled three-level and 10kV enabled two-level medium voltage SST. , 2021, , .		2
47	The Impact of PV Arrays Disturbances on the Performance of Droop Controllers in a DC Microgrid. , 2021, , .		0
48	Suppression of lower order harmonics by Switched-Capacitive filtering using Polygonal Space Vector Structures and Capacitor Sizing for Induction Motor Drive Applications. , 2021, , .		1
49	Permeability Engineered Soft Magnetics for Power Dense Energy Conversion. , 2021, , .		1
50	Modular Power Flow Enhancer for Transmission Networks under Unbalanced Power Grid Conditions. , 2021, , .		0
51	Design Considerations of Three Phase Active Front End Converter for 13.8 kV Asynchronous Microgrid Power Conditioning System enabled by Series Connection of Gen-3 10 kV SiC MOSFETs. , 2021, , .		7
52	Comprehensive Analysis of the Control Structures for MMC Applications. , 2021, , .		2
53	High Voltage Output Characteristics and Short Circuit Robustness of HV SiC MOSFETs. , 2021, , .		1
54	Comparison of the Capacitances and Switching Losses of 1.2 kV Common-Source and Common- Drain Bidirectional Switch Topologies. , 2021, , .		3

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55	Performance Evaluation of 3.3 kV SiC MOSFET and Schottky Diode for Medium Voltage Current Source Inverter Application. , 2021, , .		7
56	Short Circuit Behavior of Series-Connected 10 kV SiC MOSFETs. , 2021, , .		3
57	Series Connection of 10 kV SiC Current Switches for PWM Current Source Converter Based High Power 7.2 kV Motor Drive Applications. , 2021, , .		0
58	An Accurate Calorimetric Loss Measurement Method for SiC MOSFETs. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 1644-1656.	3.7	26
59	Performance Evaluation of a Loop Thermosyphon-Based Heatsink for High-Power SiC-Based Converter Applications. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2020, 10, 99-110.	1.4	8
60	A CM Filter Configuration for Grid-Tied Voltage Source Converters. IEEE Transactions on Industrial Electronics, 2020, 67, 8100-8111.	5.2	16
61	An Approach Towards Extreme Fast Charging Station Power Delivery for Electric Vehicles with Partial Power Processing. IEEE Transactions on Industrial Electronics, 2020, 67, 8076-8087.	5.2	117
62	Thermal Performance and Reliability Analysis of a Medium-Voltage Three-Phase Inverter Considering the Influence of High $dv/dt$ on Parasitic Filter Elements. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 486-494.	3.7	16
63	Packaging Development for a 1200V SiC BiDFET Switch Using Highly Thermally Conductive Organic Epoxy Laminate. , 2020, , .		4
64	A Methodology to Select the Number of Cascaded Cells for a Medium Voltage Multilevel AC-DC Solid State Transformer. , 2020, , .		7
65	A Design optimization Approach for Dual Active Bridge Converter for Multiple Vehicle Classes with Disparate Input DC Voltages. , 2020, , .		0
66	Emollient structure and chemical functionality effects on the biomechanical function of human stratum corneum. International Journal of Cosmetic Science, 2020, 42, 605-614.	1.2	8
67	Optimized Highly Efficient SSCB Using Organic Substrate Packaging for Electric Vehicle Applications. , 2020, , .		19
68	Constant Power Load Analysis in Droop Controlled Microgrids for More Electric Aircraft Application. , 2020, , .		6
69	Suppressing Circulating Currents of Battery Management Systems in Droop based Microgrids. , 2020, , .		1
70	A Sinusoidal Current Control Strategy Based on Harmonic Voltage Injection for Harmonic Loss Reduction of PMSMs With Non-Sinusoidal Back-EMF. IEEE Transactions on Industry Applications, 2020, 56, 7032-7043.	3.3	29
71	Analysis of Different Operating Modes of PMSM during Regeneration with Uncontrolled Rectifier. , 2020, , .		4
72	Monolithic 4-Terminal 1.2 kV/20 A 4H-SiC Bi-Directional Field Effect Transistor (BiDFET) with Integrated JBS Diodes. , 2020, , .		20

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73	A Control Method of Hybrid Transformer enabled Harmonic Isolator for Sensitive Clustered Harmonic Loads. , 2020, , .		3
74	Power Conversion With a Magnetically-Geared Permanent Magnet Generator for Low-Speed Wave Energy Converter. IEEE Transactions on Industry Applications, 2020, 56, 5308-5318.	3.3	7
75	Wireless Power Transformation for Data Centers and Medium Voltage Applications. , 2020, , .		8
76	Analysis and Design Considerations of a Contactless Magnetic Plug for Charging Electric Vehicles Directly From the Medium-Voltage DC Grid With Arc Flash Mitigation. IEEE Journal of Emerging and Selected Topics in Industrial Electronics, 2020, 1, 3-13.	3.0	4
77	Medium Voltage Bidirectional DC-DC Isolator using Series Connected 10kV SiC MOSFETs. , 2020, , .		13
78	Adaptive Droop Control Method for Suppressing Circulating Currents in DC Microgrids. IEEE Open Access Journal of Power and Energy, 2020, 7, 100-110.	2.5	45
79	Optimized Circulating Current Control Method based on Proportional Resonant and Proportional Integral Controllers for Modular Multi-level Converter Applications. , 2020, , .		10
80	Modeling of MMC based FACTS Device as a Replacement of UPFC for Power Flow and Oscillation Damping Control. , 2020, , .		4
81	Characterization of Highly Thermally Conductive Organic Substrates for a Double-Sided Cooled Power Module. International Symposium on Microelectronics, 2020, 2020, 000277-000281.	0.3	1
82	Application of Gen-3 10 kV SiC MOSFETs in XHV-6 packaging for a Mobile Utility Support Equipment based Solid State Transformer (MUSE-SST). , 2020, , .		2
83	Design Optimization of the Snubber circuit for Three-level NPC Converter pole for Hard switching Application. , 2020, , .		8
84	Protection Scheme for a Medium Voltage Mobile Utility Support Equipment based Solid State Transformer (MUSE-SST). , 2020, , .		4
85	Medium Voltage Contactless Power Transfer for EV Fast Charging. , 2020, , .		0
86	Control of Parallel Connected Interleaved Neutral Point Clamped Inverters for Electric Vehicle Drives. , 2020, , .		8
87	Integrating Photovoltaics and Battery Energy Storage to Grid Using Triple Active Bridge and Voltage Source Converters. , 2020, , .		12
88	An Analytical Solution-Based Hybrid Operation of a Three-Level Converter Drive System for a Dynamic Load. , 2020, , .		0
89	Startup Scheme for the Active Front End Converter in a Medium Voltage Mobile Utility Support Equipment based Solid State Transformer (MUSE-SST). , 2020, , .		0
90	A Methodology for Seamless Hot-Swap of Converters in DC Microgrids. , 2020, , .		1

#	ARTICLE	IF	CITATIONS
91	Soft Start-up Scheme for Weak AC Grid Dominated MTDC Networks. , 2020, , .		2
92	Comprehensive Loss Analysis of Two-level and Three-Level Inverter for Electric Vehicle Using Drive Cycle Models. , 2020, , .		10
93	An Active Damping Control Strategy for a Multi-Cell AC-DC Solid State Transformer. , 2020, , .		3
94	Medium Voltage Supply Directly to Data-Center-Servers Using SiC-Based Single-Stage Converter with 20kW Experimental Results. , 2020, , .		2
95	A Medium Voltage Dual Active Bridge Converter based on Gen-3 10 kV SiC MOSFETs. , 2020, , .		3
96	Improved Rotor Position Estimation in Extended Back-EMF Based Position Sensorless Control for IPMSMs with Non-Sinusoidal Back-EMF. , 2020, , .		3
97	A Simple Unified Model for Generic Operation of Dual Active Bridge Converter. IEEE Transactions on Industrial Electronics, 2019, 66, 3486-3495.	5.2	55
98	Stability of 4H-SiC JBS Diodes Under Repetitive Avalanche Stress. , 2019, , .		4
99	Benchmarking and Qualification of Gate Drivers for Medium Voltage (MV) Operation using 10 kV Silicon Carbide (SiC) MOSFETs. , 2019, , .		4
100	State-Space Modeling and Reachability Analysis for a DC Microgrid. , 2019, , .		10
101	Mission Profile based Reliability Analysis of a Three-Phase PV Inverter Considering the Influence of High dv/dt on Parasitic Filter Elements. , 2019, , .		1
102	A Novel Gate Driver for Active Voltage Balancing in 1.7kV Series Connected SiC MOSFETs. , 2019, , .		13
103	Finite-Element Analysis Modeling of High-Frequency Single-Phase Transformers Enabled by Metal Amorphous Nanocomposites and Calculation of Leakage Inductance for Different Winding Topologies. IEEE Transactions on Magnetics, 2019, 55, 1-11.	1.2	14
104	A Dual-Loop Current Control Structure With Improved Disturbance Rejection for Grid-Connected Converters. IEEE Transactions on Power Electronics, 2019, 34, 10233-10244.	5.4	22
105	Scale-Up Methodology of a Modular Multilevel Converter for HVdc Applications. IEEE Transactions on Industry Applications, 2019, 55, 4974-4983.	3.3	33
106	Battery State of Charge Management by Voltage Feedback Modification. , 2019, , .		3
107	Gate Drivers for High-Frequency Application of Silicon-Carbide MOSFETs: Design considerations for faster growth of LV and MV applications. IEEE Power Electronics Magazine, 2019, 6, 18-31.	0.6	15
108	Isolation Transformer for 3-Port 3-Phase Dual-Active Bridge Converters in Medium Voltage Level. IEEE Access, 2019, 7, 19678-19687.	2.6	14

#	ARTICLE	IF	CITATIONS
109	Stability Analysis of a Medium Voltage Cascaded Converter System with Reduced DC-link Capacitance. , 2019, , .		7
110	Control and Real-Time Validation for Convertible Static Transmission Controller Enabled Dual Active Power Filters and PV Integration. IEEE Transactions on Industry Applications, 2019, 55, 4309-4320.	3.3	7
111	Static, Dynamic, and Short-Circuit Performance of 1.2 kV 4H-SiC MOSFETs with Various Channel Lengths. , 2019, , .		5
112	Single Shot Avalanche Characterization of Series and Parallel Connection of SiC Power MOSFETs. , 2019, , .		0
113	Demonstration of New Generation 10kV SiC MOSFET Modules in Medium Voltage Power Converters. , 2019, , .		7
114	MV Power Conversion Systems Enabled by High-Voltage SiC Devices [Happenings]. IEEE Power Electronics Magazine, 2019, 6, 18-21.	0.6	14
115	An Experimental Study of Short Circuit Behavior and Protection of 15 kV SiC IGBTs. , 2019, , .		7
116	Supplying Medium Voltage to Data-center Racks Directly Using SiC-Based Converter. , 2019, , .		4
117	A Robust and Reliable IEEE1547 Compliant Communication System for High Penetrated Renewable Energy Sources. , 2019, , .		2
118	Active Voltage Balancing Methodology for Series connection of 1700V SiC MOSFETs. , 2019, , .		2
119	Constant Power Load Challenges in Droop Controlled DC Microgrids. , 2019, , .		4
120	Hardware-In-The-Loop Implementation of a Grid Connected PV System. , 2019, , .		2
121	Hybrid Operation of a GaN-based Three-Level T-type Inverter for Pulse Load Applications. , 2019, , .		2
122	Impact of Gate Oxide Thickness on Switching and Short Circuit Performance of 1200 V 4H-SiC Inversion-channel MOSFETs. , 2019, , .		10
123	A DC Circuit Breaker with Artificial Zero Current Interruption. , 2019, , .		1
124	An Active Voltage Stabilizer for a Generic DC Microgrid. , 2019, , .		2
125	Terminal voltage analysis for the transformerless PV inverter topologies in a single-phase system. IET Renewable Power Generation, 2019, 13, 2723-2739.	1.7	9
126	Voltage Balancing of Series Connected Clamping Diodes in Medium Voltage NPC Converter enabled by Gen-3 10 kV SiC MOSFETs for Asynchronous Micro-Grid Power Conditioning System (AMPCS). , 2019, , .		12



#	ARTICLE	IF	CITATIONS
127	Medium Voltage DC Bus Enabled by Series Connection of SiC Mosfet Based Three Port DC-DC Converters. , 2019, , .		1
128	A Partial Power Converter Interface for Battery Energy Storage Integration with a DC Microgrid. , 2019, , .		28
129	Control of Circulating Current to Minimize the Rating of the Energy Storage Device in Modular Multilevel Converters. , 2019, , .		11
130	Design of Modular Auxiliary Gate Driver Power Supply for Medium Voltage Converter System. , 2019, , .		2
131	Implementation of Flexible Large Power Transformers Using Modular Solid State Transformer Topologies Enabled by SiC Devices. , 2019, , .		0
132	Adaptive Control of a Hybrid Energy Storage System for Wave Energy Conversion Application. , 2019, , .		4
133	Shielding of Leakage Flux Induced Losses in High Power, Medium Frequency Transformers. , 2019, , .		12
134	Efficient Power Transfer to Data Center Racks using Medium Voltage Inductive Coupling. , 2019, , .		2
135	50kW Nano-Crystalline Core Based Three Port Transformer for Triple Active Bridge Converter. , 2019, , .		3
136	Effect of Inverter Output dv/dt with Respect to Gate Resistance and Loss Comparison with dv/dt Filters for SiC MOSFET based High Speed Machine Drive Applications. , 2019, , .		8
137	An Optimized SM Fault-Tolerant Control Method For MMC-based HVDC Applications. , 2019, , .		7
138	Accurate Characterization and Emulation of Active Bridge Magnetic Efficiencies with Novel Excitation Circuit. , 2019, , .		1
139	A Novel Current Control Strategy Based on Harmonic Voltage Injection for Power Losses Reduction of PMSMs with Non-Sinusoidal Back-EMF. , 2019, , .		11
140	Design Considerations and Development of an Innovative Gate Driver for Medium-Voltage Power Devices With High $dv/dt$ . IEEE Transactions on Power Electronics, 2019, 34, 5256-5267.	5.4	81
141	A Hybrid 7-Level Inverter Using Low-Voltage Devices and Operation With Single DC-Link. IEEE Transactions on Power Electronics, 2019, 34, 9844-9853.	5.4	59
142	Smart Inverter Volt-Watt Control Design in High PV-Penetrated Distribution Systems. IEEE Transactions on Industry Applications, 2019, 55, 1147-1156.	3.3	47
143	Gate drivers for wide bandgap power devices. , 2019, , 249-300.		0
144	Exact Solution of ZVS Boundaries and AC-Port Currents in Dual Active Bridge Type DC-DC Converters. IEEE Transactions on Power Electronics, 2019, 34, 5043-5047.	5.4	44

#	ARTICLE	IF	CITATIONS
145	Small-Signal Stability Assessment and Active Stabilization of a Bidirectional Battery Charger. IEEE Transactions on Industry Applications, 2019, 55, 563-574.	3.3	62
146	Evaluation of Extra High Voltage (XHV) Power Module for Gen3 10 kV SiC MOSFETs in a Mobile Utility Support Equipment based Solid State Transformer (MUSE-SST). , 2019, , .		4
147	Design and Performance Evaluation of 1.2 kV, 325 a SiC-MOSFET High Performance Module Based 100 kVA Three-Phase Two-Level Power Block. , 2019, , .		6
148	Medium Voltage Asynchronous Micro-grid Power Conditioning System Enabled by HV SiC Devices. , 2019, , .		9
149	The Influence of the LC with Clamping Diodes dv/dt Filter on Current Control of PMSM Drives in Case of Inverter Output Current Sensing and Its Compensation. , 2019, , .		1
150	Modeling and Emulation of a Rotating Paddle Type Wave Energy Converter. IEEE Transactions on Energy Conversion, 2018, 33, 594-604.	3.7	20
151	Scale-up methodology of a Modular Multilevel Converter for HVDC applications. , 2018, , .		2
152	Control of active component of current in dual active bridge converter. , 2018, , .		7
153	Single shot avalanche energy characterization of 10kV, 10A 4H-SiC MOSFETs. , 2018, , .		18
154	Metal Amorphous Nanocomposite (MANC) Alloy Cores with Spatially Tuned Permeability for Advanced Power Magnetics Applications. Jom, 2018, 70, 879-891.	0.9	22
155	Stationary reference frame based current control structure with improved disturbance rejection for grid connected converters. , 2018, , .		1
156	Proportional integral "Resonant and dual loop current control structure comparison for grid connected converters in the rotating frame. , 2018, , .		6
157	A Low-Order Harmonic Elimination Scheme for Induction Motor Drives Using a Multilevel Octadecagonal Space Vector Structure With a Single DC Source. IEEE Transactions on Power Electronics, 2018, 33, 2430-2437.	5.4	15
158	Autonomous Inverter Voltage Regulation in a Low Voltage Distribution Network. IEEE Transactions on Smart Grid, 2018, 9, 6909-6917.	6.2	17
159	Design, Package, and Hardware Verification of a High-Voltage Current Switch. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 441-450.	3.7	11
160	SoC Balancing of Different Energy Storage Systems in DC Microgrids Using Modified Droop Control. , 2018, , .		18
161	Discrete Diagonal State Estimator based Current Control for Grid Connected PWM Converter with an LCL filter. , 2018, , .		0
162	Reliability Oriented Design of Dual Active Bridge Converter for Power Supply on Heavy-Vehicles. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
163	Improved Common Mode Noise Models for Three Level T-Type Neutral Point Clamped Converters. , 2018, , .		4
164	An Isolated DC-AC Converter Module Integrating Renewable Energy Source and Energy Storage for Cascaded Inverter. , 2018, , .		0
165	Modeling and Control Method for MMC B2B System under Balanced and Unbalanced Grid Voltages. , 2018, , .		0
166	A Review and Modeling of Different Droop Control Based Methods for Battery State of the Charge Balancing in DC Microgrids. , 2018, , .		16
167	Input Impedance Analyses of Charge Controlled and Frequency Controlled LLC Resonant Converter. , 2018, , .		15
168	Asynchronous Microgrid Power Conditioning System Enabled by Series Connection of Gen-3 SiC 10 kV MOSFETs. , 2018, , .		22
169	Modular Static Distribution Controller for Distributed Energy Resource Generation Applications. , 2018, , .		2
170	An Approach to Unified Full-Order Modeling of Dual Active Bridge Type Converters. , 2018, , .		2
171	Protection Design Considerations of a 10 kV SiC MOSFET Enabled Mobile Utilities Support Equipment Based Solid State Transformer (MUSE-SST). , 2018, , .		10
172	Mobile Utility Support Equipment based Solid State Transformer (MUSE-SST) for MV Grid Interconnection with Gen3 10 kV SiC MOSFETs. , 2018, , .		17
173	Small-Signal Modeling and Controller Design Considerations for Dyna-C AC-DC Converter. , 2018, , .		0
174	Performance Comparison of Detailed and Averaging Model of a Grid Connected 401-Level MMC System Under System Fault Conditions. , 2018, , .		7
175	A Gate Driver Design for Medium Voltage Silicon Carbide Power Devices with High $dv / dt$ . , 2018, , .		8
176	Photovoltaic and Energy Storage Grid Integration with Fully Modular Architecture using Triple Port Active Bridges and Cascaded H-Bridge Inverter. , 2018, , .		4
177	Direct PV Integration to MMC Based Point to Point HVDC Link. , 2018, , .		4
178	High Power Medium Voltage 10 kV SiC MOSFET Based Bidirectional Isolated Modular DC-DC Converter. , 2018, , .		3
179	A Hybrid Seven Level Inverter Topology Formed by Cascading T-Type and Active Neutral Point Clamped Inverter for Induction Motor Drives. , 2018, , .		5
180	An Analytical Design Strategy and Implementation of a Dv/Dt Filter for WBG Devices Based High Speed Machine Drives. , 2018, , .		12

#	ARTICLE	IF	CITATIONS
181	Reliability Comparison and Evaluation of MMC Based HVDC Systems. , 2018, , .		22
182	Control Hardware-in-the-Loop Demonstration of a Building-Scale DC Microgrid Utilizing Distributed Control Algorithm. , 2018, , .		14
183	Large Scale Grid Integration of Photovoltaic and Energy Storage Systems Using Triple Port Dual Active Bridge Converter Modules. , 2018, , .		7
184	Cascaded Active Neutral Point Clamped and Flying Capacitor Inverter Topology for Induction Motor Drives Applications. , 2018, , .		2
185	Minimizing Reactive Current of a High Gain Dual Active Bridge Converter for Supercapacitor Based Energy Storage System Integration. , 2018, , .		4
186	Current-Fed Quasi Z-Source Inverter Based PV Distributed Generation Controller. , 2018, , .		0
187	High Power Medium Voltage Converters Enabled by High Voltage SiC Power Devices. , 2018, , .		20
188	Optimal Distributed Generation Allocation and Sizing for Minimizing losses and Cost Function. , 2018, , .		6
189	Mission Profile based Reliability Analysis of a Medium Voltage Power Conversion Architecture for PMSG based Wind Energy Conversion System. , 2018, , .		1
190	Modeling and Stability Analysis of a DC Microgrid Employing Distributed Control Algorithm. , 2018, , .		14
191	Practical Design Considerations for MV LCL Filter Under High dv/dt Conditions Considering the Effects of Parasitic Elements. , 2018, , .		21
192	Design of a Medium Voltage Mobile Utilities Support Equipment based Solid State Transformer (MUSE-SST) with 10 kV SiC MOSFETs for Grid Interconnection. , 2018, , .		26
193	Qualification of Gate drivers for Operation of High Voltage SiC MOSFETs and IGBTs. , 2018, , .		5
194	A Feedforward Current Control Strategy for a MMC Based Point to Point HVDC Systems. , 2018, , .		9
195	Sensorless phase shift control for phase shifted DC-DC converters for eliminating DC transients from transformer winding currents. , 2018, , .		10
196	Extreme fast charging station architecture for electric vehicles with partial power processing. , 2018, , .		55
197	An accurate calorimetric method for measurement of switching losses in silicon carbide (SiC) MOSFETs. , 2018, , .		9
198	Efficiency improvement of three port high frequency transformer isolated triple active bridge converter. , 2018, , .		18

#	ARTICLE	IF	CITATIONS
199	Impact of DC side fault protection on performance and operation of multi-terminal DC (MTDC) systems. , 2018, , .		1
200	Ruggedness of 6.5 kV, 30 a SiC MOSFETs in extreme transient conditions. , 2018, , .		6
201	Optimizing Operation Indices Considering Different Types of Distributed Generation in Microgrid Applications. Energies, 2018, 11, 894.	1.6	25
202	Thermal profile shaping and loss impacts of strain annealing on magnetic ribbon cores. Journal of Materials Research, 2018, 33, 2189-2206.	1.2	11
203	Identification and Predictive Analysis of a Multi-Area WECC Power System Model Using Synchrophasors. IEEE Transactions on Smart Grid, 2017, 8, 1977-1986.	6.2	50
204	Analysis of the Modulation Strategy for the Minimization of the Leakage Current in the PV Grid-Connected Cascaded Multilevel Inverter. IEEE Transactions on Power Electronics, 2017, 32, 1156-1169.	5.4	123
205	Autoinspection and Permitting With a PV Utility Interface (PUI) for Residential Plug-and-Play Solar Photovoltaic Unit. IEEE Transactions on Industry Applications, 2017, 53, 1337-1346.	3.3	28
206	Control and performance analysis methodology for scale-up of MMC submodules for back-to-back HVDC applications. , 2017, , .		5
207	Implementation of distributed power balancing strategy with a layer of supervision in a low-voltage DC microgrid. , 2017, , .		15
208	A multi-loop controller for LCL-filtered grid-connected converters integrated with a hybrid harmonic compensation and a novel virtual impedance. , 2017, , .		3
209	Hybrid control strategy to extend the ZVS range of a dual active bridge converter. , 2017, , .		12
210	Fault-tolerant controller architecture for cascaded multi-level converters. , 2017, , .		3
211	Split-winding type three limb core structured HF transformer for integrating PV and energy storage(ES). , 2017, , .		10
212	Stand-alone low-cost wave energy generation with energy storage integration. , 2017, , .		5
213	Large & small signal modeling of dual active bridge converter using improved first harmonic approximation. , 2017, , .		28
214	A novel dual voltage source converter for magnetic material characterization with trapezoidal excitation. , 2017, , .		3
215	Active elimination of DC bias flux in series DC active filter coupling transformer. , 2017, , .		1
216	Grounding architectures for enabling ground fault ride-through capability in DC microgrids. , 2017, , .		25

#	ARTICLE	IF	CITATIONS
217	A novel control method for preventing the PV and load fluctuations in a DC microgrid from transferring to the AC power grid. , 2017, , .		5
218	Flexible HF distribution transformers for inter-connection between MVAC and LVDC connected to DC microgrids: Main challenges. , 2017, , .		7
219	Optimal design methodology for dual active bridge converter under wide voltage variation. , 2017, , .		42
220	A current-fed quasi Z-source inverter with SiC power modules for EV/HEV applications. , 2017, , .		3
221	Transforming the transformer. IEEE Spectrum, 2017, 54, 38-43.	0.5	68
222	Comparative Evaluation of 15-kV SiC MOSFET and 15-kV SiC IGBT for Medium-Voltage Converter Under the Same $\frac{dv}{dt}$ Conditions. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2017, 5, 469-489.	3.7	75
223	A Novel ZVS Range Enhancement Technique of a High-Voltage Dual Active Bridge Converter Using Series Injection. IEEE Transactions on Power Electronics, 2017, 32, 4231-4245.	5.4	18
224	An Active Filter-Enabled Power Architecture for Oscillating Wave Energy Generation. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2017, 5, 723-734.	3.7	9
225	Harmonic Analysis and Controller Design of 15 kV SiC IGBT-Based Medium-Voltage Grid-Connected Three-Phase Three-Level NPC Converter. IEEE Transactions on Power Electronics, 2017, 32, 3355-3369.	5.4	36
226	Damping of power oscillations induced by photovoltaic plants using distributed series-connected FACTS devices. , 2017, , .		1
227	Reliability comparison of fault-tolerant HVDC based modular multilevel converters. , 2017, , .		8
228	A novel current control strategy for a back-to-back HVDC applications under unbalanced operation conditions. , 2017, , .		2
229	Advanced control strategies for convertible static transmission controller enabled dual active power filters and PV-power integration. , 2017, , .		2
230	Smart inverter volt-watt control design in high PV penetrated distribution systems. , 2017, , .		22
231	Variable DC bus control for a bidirectional on-board electric vehicle charger. , 2017, , .		6
232	Voltage regulation with autonomous distributed smart inverters in a low voltage network. , 2017, , .		3
233	Power conversion and control of a pole-modulated permanent magnet synchronous generator for wave energy generation. , 2017, , .		1
234	Gate driver design considerations for silicon carbide MOSFETs including series connected devices. , 2017, , .		12

#	ARTICLE	IF	CITATIONS
235	High-speed medium voltage (MV) drive applications enabled by series connection of 1.7 kV SiC MOSFET devices. , 2017, , .		33
236	An intelligent medium voltage gate driver with enhanced short circuit protection scheme for 10kV 4H-SiC MOSFETs. , 2017, , .		15
237	Isolation design considerations for power supply of medium voltage silicon carbide gate drivers. , 2017, , .		28
238	Investigation of dc-network resonance-related instabilities in VSC-based multi-terminal HVDC systems with tests in a Real-Time Digital Simulator. , 2017, , .		1
239	Power conversion and control of a magnetic gear integrated permanent magnet generator for wave energy generation. , 2017, , .		4
240	Optimized design for three port transformer considering leakage inductance and parasitic capacitance. , 2017, , .		12
241	Medium voltage power conversion architecture for high power PMSG based wind energy conversion system (WECS). , 2017, , .		4
242	Effect of capacitive current on reverse recovery of body diode of 10kV SiC MOSFETs and external 10kV SiC JBS diodes. , 2017, , .		12
243	One switching cycle current control strategy for triple active bridge phase-shifted DC-DC converter. , 2017, , .		12
244	Small-signal modeling and stability analysis of a bidirectional electric vehicle charger. , 2017, , .		9
245	A dual loop current control structure with improved disturbance rejection for grid connected converters in the synchronous rotating reference frame. , 2017, , .		3
246	Convertible static transmission controller model and supervisory vector control for operation under unbalanced grid conditions. , 2017, , .		0
247	Resilient two dimensional redundancy based fault-tolerant controller array for modular multi-level converters. , 2017, , .		4
248	Design considerations and test setup assessment for power hardware in the loop testing. , 2017, , .		11
249	Trapezoidal characterization of magnetic materials with a novel dual voltage test circuit. , 2017, , .		3
250	Performance investigation of hybrid active filter during low load condition. , 2017, , .		0
251	Enabling DC microgrids with direct MV DC interfacing DAB converter based on 15 kV SiC IGBT and 15 kV SiC MOSFET. , 2016, , .		7
252	Comparative performance evaluation of series connected 15 kV SiC IGBT devices and 15 kV SiC MOSFET devices for MV power conversion systems. , 2016, , .		16

#	ARTICLE	IF	CITATIONS
253	Performance evaluation of series connected 15 kV SiC IGBT devices for MV power conversion systems. , 2016, , .		15
254	A partially-rated active filter enabled power architecture to generate oscillating power from wave energy converter. , 2016, , .		1
255	Seamless black start and reconnection of LCL-filtered solid state transformer based on droop control. , 2016, , .		5
256	Hybrid energy storage system comprising of battery and ultra-capacitor for smoothing of oscillating wave energy. , 2016, , .		14
257	Comparative evaluation of 15 kV SiC IGBT and 15 kV SiC MOSFET for 3-phase medium voltage high power grid connected converter applications. , 2016, , .		10
258	Design consideration of volt-VAR controllers in distribution systems with multiple PV inverters. , 2016, , .		12
259	Performance comparison of 10 kV#x2013;15 kV high voltage SiC modules and high voltage switch using series connected 1.7 kV LV SiC MOSFET devices. , 2016, , .		18
260	ZVS analysis and power flow control for three limb transformer enabled SiC Mosfet based three port DAB integrating PV and Energy Storage(ES). , 2016, , .		23
261	Synchronous frame full-order observer design for three-phase buck-type PWM rectifier. , 2016, , .		1
262	Modelling, design and analysis of three limb high frequency transformer including transformer parasitics, for SiC Mosfet based three port DAB. , 2016, , .		23
263	Series injection enabled full ZVS light load operation of a 15kV SiC IGBT based dual active half bridge converter. , 2016, , .		4
264	A MV intelligent gate driver for 15kV SiC IGBT and 10kV SiC MOSFET. , 2016, , .		34
265	A Novel Control Approach for Protection of Multiterminal VSC-Based HVDC Transmission System Against DC Faults. IEEE Transactions on Industry Applications, 2016, 52, 4108-4116.	3.3	34
266	A Digital Predictive Current-Mode Controller for a Single-Phase High-Frequency Transformer-Isolated Dual-Active Bridge DC-to-DC Converter. IEEE Transactions on Industrial Electronics, 2016, 63, 5943-5952.	5.2	107
267	Medium voltage (â%¥ 2.3 kV) high frequency three-phase two-level converter design and demonstration using 10 kV SiC MOSFETs for high speed motor drive applications. , 2016, , .		37
268	Power Loss Analysis of Medium Voltage Three-Phase Converters using 15 kV/40 A SiC N-IGBT. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2016, , 1-1.	3.7	32
269	Design Considerations and Performance Evaluation of 1200-V 100-A SiC MOSFET-Based Two-Level Voltage Source Converter. IEEE Transactions on Industry Applications, 2016, 52, 4257-4268.	3.3	81
270	A novel control algorithm for a static series synchronous compensator using a Cascaded H-bridge converter. , 2016, , .		3



#	ARTICLE	IF	CITATIONS
271	Application of static synchronous series compensators in mitigating Ferranti effect. , 2016, , .		6
272	Decoupled power flow using phase shift control and ZVS cases for a three limb high frequency transformer based three-port DAB integrating PV and energy storage. , 2016, , .		13
273	Power flow control and ZVS analysis of three limb high frequency transformer based three-port DAB. , 2016, , .		15
274	Design and evaluation of isolated gate driver power supply for medium voltage converter applications. , 2016, , .		51
275	Effective control & software techniques for high efficiency GaN FET based flexible electrical power system for cube-satellites. , 2016, , .		2
276	Design, package, and hardware verification of a high voltage current switch. , 2016, , .		0
277	Fault contribution from large photovoltaic systems in building power supply networks. Journal of Building Engineering, 2016, 5, 222-230.	1.6	6
278	Thermal Stress and High Temperature Effects on Power Devices in a Fault-Resilient NPC IGCT-Based Converter. IEEE Transactions on Power Electronics, 2016, 31, 2800-2807.	5.4	8
279	Operation of hybrid multi-terminal DC system under normal and DC fault operating conditions. , 2015, , .		5
280	Stator flux active damping by optimal rotor current injection for grid tied doubly-fed induction generator. , 2015, , .		2
281	Electrical machines for power generation in oscillating wave energy conversion system â€” A comparative study. , 2015, , .		3
282	Design Considerations of Packaging a High Voltage Current Switch. , 2015, , .		1
283	Thermomagnetic liquid cooling: A novel variable speed motor drives thermal management solution. , 2015, , .		3
284	Low-Voltage PV Power Integration into Medium Voltage Grid Using High-Voltage SiC Devices. IEEE Journal of Industry Applications, 2015, 4, 767-775.	0.9	23
285	Start-up scheme for solid state transformers connected to medium voltage grids. , 2015, , .		19
286	GaN FET based CubeSat Electrical Power System. , 2015, , .		5
287	Solid-State Transformer and MV Grid Tie Applications Enabled by 15 kV SiC IGBTs and 10 kV SiC MOSFETs Based Multilevel Converters. IEEE Transactions on Industry Applications, 2015, 51, 3343-3360.	3.3	295
288	High Switching Performance of 1700V, 50A SiC Power MOSFET over Si IGBT/BiMOSFET for Advanced Power Conversion Applications. IEEE Transactions on Power Electronics, 2015, , 1-1.	5.4	180

#	ARTICLE	IF	CITATIONS
289	Control and dynamic performance evaluation of Multi-Terminal DC grid. , 2015, , .		1
290	Control of dynamic VAR compensator based on current source converter. , 2015, , .		2
291	Discontinuous mode sparse Dyna-C rectifier for efficient AC/DC power conversion. , 2015, , .		1
292	Comparative evaluation of 15 kV SiC MOSFET and 15 kV SiC IGBT for medium voltage converter under same dv/dt conditions. , 2015, , .		29
293	Modular multilevel converter based medium voltage DC amplifier for ship board power system. , 2015, , .		6
294	Comparison of DC fault current limiting capability of various modular structured multilevel converters within a multi-terminal DC grid. , 2015, , .		4
295	A novel control approach for protection of multi-terminal VSC based HVDC transmission system against DC faults. , 2015, , .		14
296	Control of modular dual active bridge DC/DC converter for photovoltaic integration. , 2015, , .		8
297	Performance evaluation of series connected 1700V SiC MOSFET devices. , 2015, , .		63
298	Dynamic performance evaluation of hybrid multi-terminal HVAC/HVDC grid. , 2015, , .		2
299	Design, analysis and implementation of discontinuous mode Dyna-C AC/AC converter for solid state transformer applications. , 2015, , .		5
300	Performance evaluation and characterization of 6500V asymmetric SiC NPNP Thyristor based current switch. , 2015, , .		0
301	Design Considerations of a 15-kV SiC IGBT-Based Medium-Voltage High-Frequency Isolated DC-DC Converter. IEEE Transactions on Industry Applications, 2015, 51, 3284-3294.	3.3	72
302	A control structure for PWM-controlled static synchronous compensators under unbalanced conditions and grid faults. International Journal of Electrical Power and Energy Systems, 2015, 71, 160-173.	3.3	13
303	Modular isolated DC-DC converter with multi-limb transformer for interfacing of renewable energy sources. , 2015, , .		16
304	Distributed Energy Storage Device integration with three phase distribution grid using a Transformerless Intelligent Power Substation. , 2015, , .		3
305	Design methodology of series DC coupling transformer in a medium-voltage DC amplifier system. , 2015, , .		1
306	Soft switching characterization of 15 kV SiC n-IGBT and performance evaluation for high power converter applications. , 2015, , .		9

#	ARTICLE	IF	CITATIONS
307	Performance evaluation of 15 kV SiC IGBT based medium voltage grid connected three-phase three-level NPC converter. , 2015, , .		9
308	Using real-time system design methods to integrate SMPS control software with application software. , 2015, , .		0
309	Grid connected CM noise considerations of a three-phase multi-stage SST. , 2015, , .		13
310	Medium voltage power converter design and demonstration using 15 kV SiC N-IGBTs. , 2015, , .		27
311	Control of High-Frequency Isolated Modular Converter. IEEE Transactions on Industry Applications, 2015, 51, 4634-4641.	3.3	13
312	A Transformerless Intelligent Power Substation: A three-phase SST enabled by a 15-kV SiC IGBT. IEEE Power Electronics Magazine, 2015, 2, 31-43.	0.6	102
313	Thermal design considerations for medium voltage power converters with 15 kV SiC IGBTs. , 2015, , .		11
314	Investigation of series DC active filter and hybrid AC active filter performance in medium voltage DC amplifier. , 2015, , .		2
315	MVDC microgrids enabled by 15kV SiC IGBT based flexible three phase dual active bridge isolated DC-DC converter. , 2015, , .		10
316	Auto-inspection and permitting with a PV Utility Interface (PUI) for residential plug-and-play solar photovoltaic unit. , 2015, , .		2
317	Three-phase 4.16 kV medium voltage grid tied AC-DC converter based on 15 kV/40 a SiC IGBTs. , 2015, , .		16
318	Doubly-fed induction generator enabled power generation in ocean wave energy conversion system. , 2015, , .		2
319	Convertible static transmission controller (CSTC) system model validation by controller hardware-in-the-loop-simulation. , 2014, , .		5
320	Dynamic emulation of oscillating wave energy converter. , 2014, , .		9
321	Low voltage PV power integration into medium voltage grid using high voltage SiC devices. , 2014, , .		16
322	Experimental switching frequency limits of 15 kV SiC N-IGBT module. , 2014, , .		24
323	Control of DC-Fault-Resilient Voltage Source Converter Based HVDC Transmission System under DC Fault Operating Condition. IEEE Transactions on Industrial Electronics, 2014, , 1-1.	5.2	28
324	Control of voltage source converter based multi-terminal DC grid under DC fault operating condition. , 2014, , .		13

#	ARTICLE	IF	CITATIONS
325	Multi-terminal DC grid control under loss of terminal station. , 2014, , .		3
326	Wide-band Gap (WBG) WBG devices enabled MV power converters for utility applications &#x2014; Opportunities and challenges. , 2014, , .		6
327	Control and synchronization of distributed controllers in modular converters. , 2014, , .		7
328	Unified power flow controller operational limit improvement. , 2014, , .		2
329	Understanding dv/dt of 15 kV SiC N-IGBT and its control using active gate driver. , 2014, , .		29
330	Algebraic model and control of embedded multi-terminal DC network in meshed AC power system. , 2014, , .		1
331	Comparative study of DC circuit breakers using realtime simulations. , 2014, , .		19
332	Stability analysis of the high voltage DC link between the FEC and DC-DC stage of a transformer-less intelligent power substation. , 2014, , .		7
333	Operation of doubly fed induction generator in ocean wave energy conversion system by stator phase sequence switching. , 2014, , .		2
334	Multi-port solid state transformer for inter-grid power flow control. , 2014, , .		13
335	A series compensation enabled ZVS range enhancement of a dual active bridge converter for wide range load conditions. , 2014, , .		10
336	High voltage dual active bridge with series connected high voltage silicon carbide (SiC) devices. , 2014, , .		36
337	A system level study employing improved solid state transformer average models with renewable energy integration. , 2014, , .		5
338	Design considerations of a 15kV SiC IGBT enabled high-frequency isolated DC-DC converter. , 2014, , .		9
339	Black start operation for the solid state transformer created micro-grid under islanding with storage. , 2014, , .		9
340	Comparative suitability evaluation of reverse-blocking IGBTs for current-source based converter. , 2014, , .		13
341	Topology selection for medium-voltage three-phase SiC solid-state transformer. , 2014, , .		7
342	Variable interleaving technique for photovoltaic cascaded DC-DC converters. , 2014, , .		22

#	ARTICLE	IF	CITATIONS
343	FPGA based control board development for medium-voltage high-power three-phase dual active bridge converter. , 2014, , .		3
344	A Nondimensional Analysis to Characterize Thermomagnetic Convection of a Temperature Sensitive Magnetic Fluid in a Flow Loop. Journal of Heat Transfer, 2014, 136, .	1.2	5
345	Control structures for the unified power flow controller. , 2014, , .		0
346	Three-phase four-switch partial resonant soft switched rectifier. , 2014, , .		2
347	Design, measurement and equivalent circuit synthesis of high power HF transformer for three-phase composite dual active bridge topology. , 2014, , .		24
348	Design considerations and development of gate driver for 15 kV SiC IGBT. , 2014, , .		62
349	Current source inverter based cascaded solid state transformer for AC to DC power conversion. , 2014, , .		17
350	A method to measure the DC bias in high frequency isolation transformer of the dual active bridge DC to DC converter and its removal using current injection and PWM switching. , 2014, , .		26
351	Design Comparison of High-Power Medium-Voltage Converters Based on a 6.5-kV Si-IGBT/Si-PiN Diode, a 6.5-kV Si-IGBT/SiC-JBS Diode, and a 10-kV SiC-MOSFET/SiC-JBS Diode. IEEE Transactions on Industry Applications, 2014, 50, 2728-2740.	3.3	67
352	Control of squirrel cage induction generator in an oscillating point absorber based wave energy conversion system. , 2014, , .		9
353	Thermomagnetic liquid cooling: A novel electric machine thermal management solution. , 2014, , .		7
354	Comparison of PR controller and damped PR controller for grid current control of LCL filter based grid-tied inverter under frequency variation and grid distortion. , 2014, , .		29
355	Solid State Transformer and MV grid tie applications enabled by 15 kV SiC IGBTs and 10 kV SiC MOSFETs based multilevel converters. , 2014, , .		11
356	Flux vector modulation for single-phase inverter with LC output filter. , 2014, , .		4
357	A unified control scheme for harmonic elimination in the front end converter of a 13.8 kV, 100 kVA transformerless intelligent power substation grid tied with LCL filter. , 2014, , .		11
358	Dual Angle Control for Line-Frequency-Switched Static Synchronous Compensators Under System Faults. IEEE Transactions on Power Electronics, 2014, 29, 2723-2736.	5.4	16
359	Thermal stress and high temperature effects on power devices in a fault-resilient NPC IGCT-based converter. , 2014, , .		0
360	Experimental validation of the steady state and transient behavior of a transformerless intelligent power substation. , 2014, , .		5

#	ARTICLE	IF	CITATIONS
361	A mode switching, multiterminal converter topology with integrated fluctuating renewable energy source without energy storage. , 2014, , .		5
362	High-Power VSC-Based Simultaneous Positive- and Negative-Sequence Voltage Regulator. IEEE Transactions on Power Delivery, 2014, 29, 2124-2135.	2.9	17
363	Evaluation of high voltage 15 kV SiC IGBT and 10 kV SiC MOSFET for ZVS and ZCS high power DC -DC converters. , 2014, , .		8
364	High switching performance of 1.7kV, 50A SiC power MOSFET over Si IGBT for advanced power conversion applications. , 2014, , .		17
365	Instantaneous fault current limiter for PWM-controlled Voltage Source Converters. , 2014, , .		2
366	Modular Transformer Converter-Based Convertible Static Transmission Controller for Transmission Grid Management. IEEE Transactions on Power Electronics, 2014, 29, 6293-6306.	5.4	16
367	Control and performance of a single-phase dual active half bridge converter based on 15kV SiC IGBT and 1200V SiC MOSFET. , 2014, , .		5
368	Control and experiment of high frequency isolated modular converter under normal and AC fault operating condition. , 2014, , .		3
369	A multi-terminal DC to DC converter topology with power accumulation from renewable energy sources with unregulated DC voltages. , 2013, , .		4
370	DC-side series active power filter for STATCOM performance under system faults. , 2013, , .		1
371	Evaluation of 15 kV SiC N-IGBT and P-IGBT for complementary inverter topology with zero dv/dt stress on gate drivers. , 2013, , .		4
372	Growth of Pd4S, PdS and PdS2 films by controlled sulfurization of sputtered Pd on native oxide of Si. Thin Solid Films, 2013, 539, 41-46.	0.8	35
373	A control method for angle-controlled STATCOMs under system faults. , 2013, , .		1
374	Performance investigation of hybrid converter systems for mobile mining applications. , 2013, , .		4
375	Power flow analysis for 3-port 3-phase dual active bridge dc/dc converter and design validation using high frequency planar transformer. , 2013, , .		7
376	Real-time Hardware-in-the-Loop simulation of convertible static transmission controller for transmission grid management. , 2013, , .		11
377	Characterization of 15 kV SiC n-IGBT and its application considerations for high power converters. , 2013, , .		83
378	Supplementary Energy Storage and Hybrid Front-End Converters for High-Power Mobile Mining Equipment. IEEE Transactions on Industry Applications, 2013, 49, 1863-1872.	3.3	18

#	ARTICLE	IF	CITATIONS
379	A flexible low-voltage ride-through operation for the distributed generation converters. , 2013, , .		6
380	Control technique for 15 kV SiC IGBT based active front end converter of a 13.8 kV grid tied 100 kVA transformerless intelligent power substation. , 2013, , .		24
381	Device characterization and performance of 1200V/45A SiC JFET module. , 2013, , .		2
382	Vehicle-to-grid scheme based on inductive power transfer for advanced distribution automation. , 2013, , .		5
383	Power dispatch strategy in microgrid integrated with solid state transformer. , 2013, , .		4
384	Overloading and overvoltage evaluation of a Transformerless Intelligent Power Substation. , 2013, , .		11
385	Transient overvoltage rating and BIL of the transformerless intelligent power substation. , 2013, , .		13
386	Vector-Controlled Voltage-Source-Converter-Based Transmission Under Grid Disturbances. IEEE Transactions on Power Electronics, 2013, 28, 661-672.	5.4	52
387	Bidirectional soft-switched AC/AC high frequency link converter. , 2013, , .		5
388	A control structure for line-frequency-switched STATCOMs under system faults. , 2013, , .		4
389	15 kV SiC IGBT based three-phase three-level modular-leg power converter. , 2013, , .		6
390	Protection of a transformerless intelligent power substation. , 2013, , .		16
391	SVC and STATCOM application in Electric Arc Furnace efficiency improvement. , 2013, , .		17
392	Oscillatory angle control scheme for PWM static synchronous compensators under unbalanced conditions and system faults. , 2013, , .		0
393	A reliable photovoltaic integrated UPS system with modified maximum power point tracking (MPPT) algorithm. , 2013, , .		1
394	Comparative evaluation of SiC devices for PWM buck rectifier based active front end converter for MV grid interface. , 2013, , .		2
395	Design considerations and performance evaluation of 1200 V, 100 a SiC MOSFET based converter for high power density application. , 2013, , .		53
396	Investigation of Enhancement in Pool Boiling Heat Transfer of a Binary Temperature Sensitive Magnetic Fluid. , 2013, , .		2

#	ARTICLE	IF	CITATIONS
397	A Non-Dimensional Analysis to Characterize Thermomagnetic Convection of a Temperature Sensitive Magnetic Fluid in a Flow Loop. , 2013, , .		1
398	Ultra high voltage IGBTs in 4H-SiC. , 2013, , .		38
399	Fault current contribution from photovoltaic systems in residential power networks. , 2013, , .		11
400	Predictive current mode control of single phase dual active bridge DC to DC converter. , 2013, , .		12
401	Supervisory control of convertible static transmission controller in shunt-shunt mode of operation. , 2013, , .		4
402	Control of Active Mobile Substations under system faults. , 2013, , .		1
403	A novel method for control of distributed storage devices in distribution: Ripple voltage injection with frequency droop. , 2013, , .		1
404	Performance analysis and characterization of current switch under reverse voltage commutation, overlap voltage bump and zero current switching. , 2013, , .		17
405	Experimental validation of modular transformer converter based Convertible Static Transmission Controller for transmission grid management. , 2013, , .		2
406	Performance evaluation and control of modular multilevel converter under system fault conditions. , 2013, , .		1
407	Characterization and performance comparison of reverse blocking SiC and Si based switch. , 2013, , .		18
408	A multi-loop control system for series DC active filter in a medium-voltage DC amplifier. , 2013, , .		2
409	A novel control principle for a high frequency transformer based multiport converter for integration of renewable energy sources. , 2013, , .		12
410	Operation and design considerations of FID at distribution voltages. , 2013, , .		5
411	Closed loop D-Q control of high-voltage high-power three-phase dual active bridge converter in presence of real transformer parasitic parameters. , 2013, , .		20
412	Efficiency Comparison of AC-Link and TIPS (SST) Topologies based on accurate device models. , 2012, , .		3
413	Field Programmable Analog Array (FPAA) based Shunt Active Filter controller. , 2012, , .		0
414	Convertible Static Compensator (CSC) performance under system fault. , 2012, , .		12



#	ARTICLE	IF	CITATIONS
415	Thermal design considerations for 12kV SiC n-IGBT based 3L NPC converter. , 2012, , .		8
416	An approach to regulating Dual Series Static Compensator (DSSC). , 2012, , .		3
417	High performance, ultra high voltage 4H-SiC IGBTs. , 2012, , .		33
418	High frequency GaN device-enabled CubeSat EPS with real-time scheduling. , 2012, , .		4
419	Development of a predictive observer thermal model for power semiconductor devices for overload monitoring in high power high frequency converters. , 2012, , .		6
420	Parallel-Connected Shunt Hybrid Active Power Filters Operating at Different Switching Frequencies for Improved Performance. IEEE Transactions on Industrial Electronics, 2012, 59, 4007-4019.	5.2	123
421	A novel predictive phase shift controller for bidirectional isolated dc to dc converter for high power applications. , 2012, , .		23
422	Control of cascaded multi-level STATCOM using line voltage total harmonic distortion minimization technique. , 2012, , .		3
423	Analysis and Design of Active NPC (ANPC) Inverters for Fault-Tolerant Operation of High-Power Electrical Drives. IEEE Transactions on Power Electronics, 2012, 27, 519-533.	5.4	178
424	Elimination of Kala-azar: Where do we stand in 2011?. International Journal of Infectious Diseases, 2012, 16, e52.	1.5	0
425	Black start control of a solid state transformer for emergency power restoration. , 2012, , .		8
426	Short time power smoothing of a low power wave energy system. , 2012, , .		9
427	Inductive power transfer for electric vehicles: Potential benefits for the distribution grid. , 2012, , .		11
428	A three-phase three winding topology for Dual Active Bridge and its D-Q mode control. , 2012, , .		24
429	Design considerations in development of Active Mobile Substations. , 2012, , .		7
430	A New Boson with a Mass of 125 GeV Observed with the CMS Experiment at the Large Hadron Collider. Science, 2012, 338, 1569-1575.	6.0	85
431	Vector analysis and performance evaluation of Modular Transformer Converter (MTC) based Convertible Static Transmission Controller. , 2012, , .		8
432	Ocean energy power take-off using oscillating paddle. , 2012, , .		18

#	ARTICLE	IF	CITATIONS
433	Hybrid front end converters for large multi-motor applications integrated with energy storage. , 2012, , .		3
434	A single phase PSCad electric arc furnace model. , 2012, , .		3
435	Auxiliary power supply for Solid State Transformers. , 2012, , .		12
436	Accurate equivalent circuit modeling of a medium-voltage and high-frequency coaxial winding DC-link transformer for solid state transformer applications. , 2012, , .		9
437	Numerical Investigation of Electronic Liquid Cooling Based on the Thermomagnetic Effect. , 2012, , .		3
438	Analysis of 48-pulse based STATCOM and UPFC performance under balanced and fault conditions. , 2012, , .		7
439	Architecture of solid state transformer-based energy router and models of energy traffic. , 2012, , .		26
440	Solid state transformer specification via feeder modeling and simulation. , 2012, , .		3
441	Practical operation range improvement of Voltage-Sourced Converter based STATCOM. , 2012, , .		2
442	A comparative study of three-phase dual active bridge topologies and their suitability for D-Q mode control. , 2012, , .		15
443	A fast acting DC solid state fault isolation device (FID) with Si and SiC devices for MVDC distribution system. , 2012, , .		10
444	Comparison study of 12kV n-type SiC IGBT with 10kV SiC MOSFET and 6.5kV Si IGBT based on 3L-NPC VSC applications. , 2012, , .		46
445	Design considerations of a three phase dual active bridge based on reactive power flow. , 2012, , .		14
446	A numerical study on surface asperities in bakelite-RPC. Journal of Instrumentation, 2012, 7, P11027-P11027.	0.5	0
447	Design and control of Series DC Active Filter (SDAF) for shipboard Medium-Voltage DC power system. , 2011, , .		8
448	Transformer less Intelligent Power Substation design with 15kV SiC IGBT for grid interconnection. , 2011, , .		58
449	Enabling energy storage integration in high power multi-motor applications with active filter solutions. , 2011, , .		1
450	Design comparison of 6.5 kV Si-IGBT, 6.5kV SiC JBS diode, and 10 kV SiC MOSFETs in megawatt converters for shipboard power system. , 2011, , .		26

#	ARTICLE	IF	CITATIONS
451	High-frequency design considerations of dual active bridge 1200 V SiC MOSFET DC-DC converter. , 2011, , .		36
452	Flexible electrical power system controller design and battery integration for 1U to 12U CubeSats. , 2011, , .		17
453	Energy router: Architectures and functionalities toward Energy Internet. , 2011, , .		99
454	Power synchronization control for capacitor minimization in Solid State Transformers (SST). , 2011, , .		24
455	Design and hardware implementation of Gen-1 silicon based solid state transformer. , 2011, , .		73
456	Characterization of a three-phase dual active bridge DC/DC converter in wye-delta connection for a high frequency and high power applications. , 2011, , .		12
457	A New Nine-Level Active NPC (ANPC) Converter for Grid Connection of Large Wind Turbines for Distributed Generation. IEEE Transactions on Power Electronics, 2011, 26, 961-972.	5.4	164
458	Instantaneous Phase-Locked Loop for performance improvement of power system with STATCOM under single-line to ground fault. , 2011, , .		1
459	Analytical modeling of a medium-voltage and high-frequency resonant coaxial-type power transformer for a solid state transformer application. , 2011, , .		10
460	Local energy storage sizing in plug-in hybrid electric vehicle charging stations under blocking probability constraints. , 2011, , .		45
461	Solid-state fault isolation devices: application to future power electronics-based distribution systems. IET Electric Power Applications, 2011, 5, 521.	1.1	21
462	Zero voltage switching performance of 1200V SiC MOSFET, 1200V silicon IGBT and 900V CoolMOS MOSFET. , 2011, , .		26
463	A static synchronous compensator (STATCOM) using parallel inverters operating at different switching frequencies. , 2011, , .		1
464	Empirical battery model characterizing a utility-scale carbon-enhanced VRLA battery. , 2011, , .		8
465	Series connected IGCT based three-level Neutral Point Clamped voltage source inverter pole for high power converters. , 2011, , .		3
466	Towards smart transmission substations with Modular Transformer Converter systems. , 2011, , .		3
467	Design comparison of high power medium-voltage converters based on 6.5kV Si-IGBT/Si-PiN diode, 6.5kV Si-IGBT/SiC-JBS diode, and 10kV SiC MOSFET/SiC-JBS diode. , 2011, , .		52
468	A high power medium-voltage dc amplifier system. , 2011, , .		15

#	ARTICLE	IF	CITATIONS
469	Investigation of High Performance Heat Sink Characteristics in Forced Convection Cooling of Power Electronic Systems. , 2011, , .		1
470	A unified Modular Transformer Converter (MTC) system with advanced angle control structure. , 2011, , .		5
471	Development of solid-state fault isolation devices for future power electronics-based distribution systems. , 2011, , .		7
472	Digital Flickermeter design and implementation based on IEC Standard. , 2010, , .		4
473	Rule-Based Control of Battery Energy Storage for Dispatching Intermittent Renewable Sources. IEEE Transactions on Sustainable Energy, 2010, 1, 117-124.	5.9	573
474	A Discrete Matlabâ€“Simulink Flickermeter Model for Power Quality Studies. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 527-533.	2.4	23
475	Enhanced Control of Voltage Source Converters for DC Shipboard Power Systems. Naval Engineers Journal, 2010, 122, 81-91.	0.1	4
476	Comparison of 10-kV SiC power devices in solid-state transformer. , 2010, , .		15
477	Instantiation of solid state fault isolation devices for future power electronic based distribution systems. , 2010, , .		5
478	Optimal phase changing frequency determination for multiphase voltage regulator modules. , 2010, , .		2
479	New inductor current feedback control with active harmonics injection for inverter stage of solid state transformer. , 2010, , .		2
480	A medium-voltage DC (MVDC) with series active injection for shipboard power system applications. , 2010, , .		15
481	Investigations into the minimization of electrical costs for traction-type elevators. , 2010, , .		3
482	Performance comparison of 1200V Silicon and SiC devices for UPS application. , 2010, , .		14
483	The issue of plug-in hybrid electric vehicles' grid integration and its control solution. , 2010, , .		3
484	Validation of battery energy storage control for wind farm dispatching. , 2010, , .		17
485	Optimal resonant tank design considerations for primary track compensation in Inductive Power Transfer systems. , 2010, , .		18
486	A simplified space vector based current controller for any general N-level converter. , 2010, , .		1

#	ARTICLE	IF	CITATIONS
487	Modeling of the impact of diode junction capacitance on high voltage high frequency rectifiers based on 10kV SiC JBS diodes. , 2010, , .		4
488	Series Active Filter control and implementation for utility interface of multiple adjustable speed drives. , 2010, , .		2
489	Design and development of Generation-I silicon based Solid State Transformer. , 2010, , .		119
490	Optimal Control of Battery Energy Storage for Wind Farm Dispatching. IEEE Transactions on Energy Conversion, 2010, 25, 787-794.	3.7	281
491	Analysis of static voltage balance of series connected self-power emitter turn-off thyristors. , 2010, , .		2
492	Application of active NPC converter on generator side for MW direct-driven wind turbine. , 2010, , .		13
493	Design considerations of high voltage and high frequency transformer for solid state transformer application. , 2010, , .		35
494	Voltage and power balance control for a cascaded multilevel solid state transformer. , 2010, , .		59
495	Design considerations of high voltage and high frequency three phase transformer for Solid State Transformer application. , 2010, , .		31
496	Advanced lithium ion battery modeling and power stage integration technique. , 2010, , .		9
497	Identifying techniques, topologies and features for maximizing the efficiency of a distribution grid with solid state power devices. , 2010, , .		6
498	Comparisons of 6.5kV 25A Si IGBT and 10-kV SiC MOSFET in Solid-State Transformer application. , 2010, , .		41
499	High-voltage high-frequency transformer design for a 7.2kV to 120V/240V 20kVA solid state transformer. , 2010, , .		76
500	Three-Level Active Neutral-Point-Clamped (ANPC) Converter with Fault Tolerant Ability. , 2009, , .		41
501	Active power transfer capability of shunt family of FACTS devices based on angle control. , 2009, , .		9
502	Characterization, modeling of 10-kV SiC JBS diodes and their application prospect in X-ray generators. , 2009, , .		8
503	An optimum PWM Strategy for 5-level active NPC (ANPC) converter based on real-time solution for THD minimization. , 2009, , .		6
504	Resilient operation of voltage-sourced BTB HVDC systems under power system disturbances. , 2009, , .		8

#	ARTICLE	IF	CITATIONS
505	Controller hardware-in-the-loop validation for a 10 MVA ETO-based STATCOM for wind farm application. , 2009, , .		13
506	Testing of a controller for an ETO-based STATCOM through controller hardware-in-the-loop simulation. , 2009, , .		11
507	Shunt compensation. IEEE Industrial Electronics Magazine, 2009, 3, 38-49.	2.3	106
508	The CMS Collaboration. Nuclear Physics A, 2009, 830, 946c-956c.	0.6	0
509	Multi-function bi-directional battery charger for plug-in hybrid electric vehicle application. , 2009, , .		50
510	An Universal Active Power Filter Controller System. , 2009, , .		6
511	Control Strategies for Battery Energy Storage for Wind Farm Dispatching. IEEE Transactions on Energy Conversion, 2009, 24, 725-732.	3.7	434
512	Dead-band controller for balancing individual dc capacitor voltages in cascade multilevel inverter based STATCOM. , 2009, , .		3
513	Design and control of grid-connected converter in bi-directional battery charger for Plug-in hybrid electric vehicle application. , 2009, , .		88
514	Design of a solid state fault isolation device for implementation in power electronics based distribution systems. , 2009, , .		13
515	A reduced switch transformer-less dual hybrid active power filter. , 2009, , .		1
516	ETO light multilevel converters for large electric vehicle and hybrid electric vehicle drives. , 2009, , .		1
517	Performance Evaluation of Controlled-Capacitor-Charging-Type Inverters. IEEE Transactions on Industrial Electronics, 2009, 56, 12-19.	5.2	13
518	Small-Signal Model-Based Control Strategy for Balancing Individual DC Capacitor Voltages in Cascade Multilevel Inverter-Based STATCOM. IEEE Transactions on Industrial Electronics, 2009, 56, 2259-2269.	5.2	128
519	An average model of solid state transformer for dynamic system simulation. , 2009, , .		105
520	Control of Multi-Level Three-Phase Dual Current Source Inverters for High Power Industrial Applications. , 2009, , .		2
521	Modeling and control design of distributed power flow controller based-on per-phase control. , 2009, , .		1
522	Multilevel active NPC converter for filterless grid-connection for large wind turbines. , 2009, , .		4

#	ARTICLE	IF	CITATIONS
523	Study of direct photon plus jet production in CMS experiment at $\sqrt{s} = 14\text{ TeV}$ . European Physical Journal C, 2008, 53, 49-58.	1.4	6
524	ETO light multilevel inverter for STATCOM. , 2008, , .		9
525	Control Strategy Improving Fault Ride-Through Capability of Cascade Multilevel Inverter Based STATCOM. , 2008, , .		14
526	Operation of series and shunt converters with 48-pulse series connected three-level NPC converter for UPFC. , 2008, , .		2
527	Control strategy for cascade multilevel inverter based STATCOM with optimal combination modulation. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	13
528	STATCOM control with Instantaneous Phase-locked Loop for performance improvement under single-line to ground fault. , 2008, , .		8
529	STATCOM Impact Study on the Integration of a Large Wind Farm into a Weak Loop Power System. IEEE Transactions on Energy Conversion, 2008, 23, 226-233.	3.7	231
530	STATCOM with energy storage for smoothing intermittent wind farm power. , 2008, , .		35
531	Performance improved during system fault of angle controlled STATCOM by current control. , 2008, , .		1
532	Improving distribution system performance with integrated STATCOM and supercapacitor energy storage system. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	21
533	A Comparative Evaluation of Series Power-Flow Controllers Using DC- and AC-Link Converters. IEEE Transactions on Power Delivery, 2008, 23, 985-996.	2.9	52
534	A Practical Approach to Controlling the Back-to-Back Voltage Source Converter System. , 2008, , .		10
535	Improved wind farm's power availability by battery energy storage systems: modeling and control. , 2008, , .		17
536	Distributed power flow controller design based-on ETO-light converter. IEEE Applied Power Electronics Conference and Exposition, 2008, , .	0.0	13
537	Control reconfiguration of VSC based STATCOM for De-icer application. , 2008, , .		9
538	Performance comparison of a new current regulator for 3-level NPC inverter for sinusoidal and non-sinusoidal current tracking applications. , 2008, , .		2
539	Optimized digital Maximum Power Point Tracker implementation for satellites. , 2008, , .		5
540	Modeling and Control of Large Shovel Converter Systems Integrated with Supercapacitor. , 2008, , .		3

#	ARTICLE	IF	CITATIONS
541	Utilization of Supplementary Energy Storage Systems in High Power Mining Converters. , 2008, , .		8
542	Application of online trained Echo State Networks for harmonic compliance issues. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	0
543	Design of an Ultra-Capacitor Energy Storage System (LIESS) for Power Quality Improvement of Electric Arc Furnaces. , 2008, , .		3
544	Integration of supercapacitor with STATCOM for electric arc furnace flicker mitigation. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	4
545	Design and Development of a Flexible Multi-Purpose Controller Hardware System for Power Electronics and Other Industrial Applications. , 2008, , .		11
546	Fault-Tolerant Transformerless Power Flow Controller Based-On ETO Light Converter. , 2008, , .		5
547	Dispatching of wind farms using battery energy storage. International Journal of Power Electronics, 2008, 1, 164.	0.1	5
548	STATCOM Operation under single line-ground system faults with magnetic saturation in series connected transformers based 48-pulse voltage-source converter. , 2007, , .		3
549	STATCOM Impact Study on the Integration of a Large Wind Farm into a Weak Loop Power System. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	5
550	A Novel PWM Voltage Source Converter for a DC Zonal Shipboard Power System. , 2007, , .		0
551	STATCOM Operation Strategy with Saturable Transformer Under Three-Phase Power System Faults. , 2007, , .		4
552	Modeling and Control of Three-Phase Active front-end Converters. , 2007, , .		13
553	Current Control of Angle Controlled STATCOM. , 2007, , .		0
554	STATCOM Operation Strategy under Power System Faults. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	17
555	STATCOM Operation with Saturable Transformer Under Single Line to Ground Power System Faults. , 2007, , .		0
556	Comparative evaluation of IGCT and GTO thyristor for series connection in high power voltage source inverter based FACTS applications. , 2007, , .		3
557	Overcurrent Protection in DC Zonal Shipboard Power Systems using Solid State Protection Devices. , 2007, , .		11
558	Active Power Management of Electric Power System Using Emerging Power Electronics Technology. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	15



#	ARTICLE	IF	CITATIONS
559	Magnetic Saturation in Transformers used for a 48-pulse Voltage-Source Converter based STATCOM under Line to Line System Faults. , 2007, , .		2
560	STATCOM Control and Operation with Series Connected Transformer Based 48-pulse VSC. , 2007, , .		2
561	A Practical Operation Strategy for STATCOM under Single Line to Ground Faults in the Power System. , 2006, , .		11
562	STATCOM ETO Failure Analysis. , 2006, , .		0
563	An Optimal Combination Modulation Strategy for a Seven-level Cascade Multilevel Converter Based STATCOM. Conference Record - IAS Annual Meeting (IEEE Industry Applications Society), 2006, , .	0.0	26
564	Single Phase, Full Bridge, Controlled Capacitor Charging (CCC) Type Inverter. , 2006, , .		6
565	STATCOM Impact Study on the Integration of a Large Wind Farm into a Weak Loop Power System. , 2006, , .		14
566	Electro-Thermal Design of a Heat Pipe Based High Power Voltage Source Converter Using Emitter Turn-Off Thyristor. Conference Record - IAS Annual Meeting (IEEE Industry Applications Society), 2006, , .	0.0	0
567	Field Data-based Study on Electric Arc Furnace Flicker Mitigation. Conference Record - IAS Annual Meeting (IEEE Industry Applications Society), 2006, , .	0.0	5
568	STATCOM ETO Failure Analysis. , 2006, , .		0
569	Power flow control on 345 kV lines with the 200 MVA convertible static compensator. , 2005, , .		4
570	Investigation of high temperature operation of the emitter turn-off thyristor. , 2005, , .		1
571	Variable frequency variable duty cycle operation of the controlled capacitor charging (CCC) type inverter. , 2005, , .		2
572	Design and implementation of a series voltage sag compensator under practical utility conditions. IEEE Transactions on Industry Applications, 2003, 39, 844-853.	3.3	77
573	Operations of the dominant harmonic active filter (DHAF) under realistic utility conditions. IEEE Transactions on Industry Applications, 2001, 37, 1037-1044.	3.3	41
574	Experimental verification of dominant harmonic active filter for high-power applications. IEEE Transactions on Industry Applications, 2000, 36, 567-577.	3.3	48
575	Line harmonics reduction in high-power systems using square-wave inverters-based dominant harmonic active filter. IEEE Transactions on Power Electronics, 1999, 14, 265-272.	5.4	35
576	Application of dominant harmonic active filter system with 12 pulse nonlinear loads. IEEE Transactions on Power Delivery, 1999, 14, 642-647.	2.9	31

#	ARTICLE	IF	CITATIONS
577	Experimental comparison of motor bearing currents with PWM hard- and soft-switched voltage-source inverters. IEEE Transactions on Power Electronics, 1999, 14, 552-562.	5.4	43
578	Inductor design for high-power applications with broad-spectrum excitation. IEEE Transactions on Power Electronics, 1998, 13, 202-208.	5.4	13
579	Control of square-wave inverters in high-power hybrid active filter systems. IEEE Transactions on Industry Applications, 1998, 34, 458-472.	3.3	86
580	Active filter system implementation. IEEE Industry Applications Magazine, 1998, 4, 47-63.	0.3	249
581	Below-ground Pot-in-Pot (PIP) System and Substrate Moisture Regimen Affect Growth of Two Desert Trees. Hortscience: A Publication of the American Society for Horticultural Science, 1998, 33, 504b-504.	0.5	0
582	High Spin States in the Odd-Odd 150Eu Nucleus. International Journal of Modern Physics A, 1997, 12, 2791-2808.	0.5	2
583	Concentration-dependent acoustic and electrical properties of highly conducting Bi <sub>3.5</sub> Pb <sub>0.5</sub> Sr <sub>3</sub> Ca <sub>3</sub> Cu <sub>4</sub> O <sub>z</sub> + xAg <sub>2</sub> O-type glassy precursors for high-T <sub>c</sub> superconductors. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1997, 75, 647-658.	0.6	2
584	Hybrid solutions for improving passive filter performance in high power applications. IEEE Transactions on Industry Applications, 1997, 33, 732-747.	3.3	264
585	Flux-based active filter controller. IEEE Transactions on Industry Applications, 1996, 32, 491-502.	3.3	109
586	GROWTH OF FOUR SOUTHWESTERN LANDSCAPE TREES IN CUPRIC-HYDROXIDE-PAINTED NURSERY CONTAINERS. Hortscience: A Publication of the American Society for Horticultural Science, 1996, 31, 325b-325.	0.5	0
587	Design and implementation of a 2-D linear phase IIR filter using symbolic computation routines. Signal Processing, 1995, 42, 87-95.	2.1	0
588	Working group on dynamic performance and modeling of DC systems and power electronics for transmission systems. Report on test systems for AC/DC interaction studies. IEEE Transactions on Power Delivery, 1995, 10, 2027-2034.	2.9	13
589	p <sup>+</sup> /n <sup>+</sup> polysilicon emitters for sub-0.5 μm high-performance p-n-p. IEEE Transactions on Electron Devices, 1992, 39, 2637-2638.	1.6	0
590	Studies and Characterisation of Some Nd Laser Glass Rods Using Different Q-Switching Techniques. Crystal Research and Technology, 1991, 26, 121-124.	0.6	0
591	Cor triatriatum: echocardiographic error in diagnosis. (A case report). Journal of Postgraduate Medicine, 1979, 25, 233-5.	0.2	0
592	Towards a realistic medical education policy. Journal of the Indian Medical Association, 1977, 69, 140.	0.2	0
593	Letter: Private practitioners. Journal of the Indian Medical Association, 1974, 63, 74-5.	0.2	0
594	Minor injuries and their management. Journal of the Indian Medical Association, 1969, 53, 189-91.	0.2	0

#	ARTICLE	IF	CITATIONS
595	Optimizing three phase current regulators for low inductance loads. , 0, , .		15
596	Active filter solutions for utility interface. , 0, , .		36
597	Design and implementation of a hybrid series active filter system. , 0, , .		68
598	Synchronous frame based controller implementation for a hybrid series active filter system. , 0, , .		226
599	Active filter solutions for utility interface of industrial loads. , 0, , .		24
600	Experimental comparison of motor bearing currents with PWM hard and soft switched voltage source inverters. , 0, , .		10
601	Parallel active filter system implementation and design issues for utility interface of adjustable speed drive systems. , 0, , .		48
602	Hybrid solutions for improving passive filter performance in high power applications. , 0, , .		42
603	Line harmonics reduction in high power systems using square-wave inverters. , 0, , .		3
604	Control of square-wave inverters in high power hybrid active filter systems. , 0, , .		5
605	Experimental verification of dominant harmonic active filter (DHAF) for high power applications. , 0, , .		33
606	Operating characteristics of the convertible static compensator on the 345 kV network. , 0, , .		28
607	Series Connected IGCT based High Power Three-Level Neutral Point Clamped Voltage Source Inverter Pole for FACTS Applications. , 0, , .		10
608	20 kV 4H-SiC N-IGBTs. Materials Science Forum, 0, 778-780, 1030-1033.	0.3	25
609	Electrical Performances and Physics Based Analysis of 10kV SiC Power MOSFETs at High Temperatures. Materials Science Forum, 0, 924, 719-722.	0.3	3
610	Static and Dynamic Characterization of a 3.3 Kv, 45 A 4H-SiC MOSFET. Materials Science Forum, 0, 924, 739-742.	0.3	3
611	Experimental Study of High-Temperature Switching Performance of 1.2kV SiC JBSFET in Comparison with 1.2kV SiC MOSFET. Materials Science Forum, 0, 963, 625-628.	0.3	6
612	Superior Short Circuit Performance of 1.2kV SiC JBSFETs Compared to 1.2kV SiC MOSFETs. Materials Science Forum, 0, 963, 797-800.	0.3	14

#	ARTICLE	IF	CITATIONS
613	Avalanche Ruggedness Characterization of 10 kV 4H-SiC MOSFETs. Materials Science Forum, 0, 963, 773-776.	0.3	5
614	1.2 kV, 10 A, 4H-SiC Bi-Directional Field Effect Transistor (BiDFET) with Low On-State Voltage Drop. Materials Science Forum, 0, 1004, 872-881.	0.3	3
615	Demonstration of Superior Static, Dynamic, and Short-Circuit Performance of 1.2 kV 4H-SiC Split-Gate Octagonal Cell MOSFETs Compared with Linear, Square, and Hexagonal Topologies. Materials Science Forum, 0, 1004, 783-788.	0.3	1
616	Experimental Study of Switching and Short-Circuit Performance of 1.2 kV 4H-SiC Accumulation and Inversion Channel Power MOSFETs. Materials Science Forum, 0, 1004, 789-794.	0.3	2