

Remus Teodorescu

List of Publications by Year in descending order

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353
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#	ARTICLE	IF	CITATIONS
1	Lifetime Extension of Lithium-Ion Batteries With Low-Frequency Pulsed Current Charging. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2023, 11, 57-66.	5.4	14
2	A Novel Modular Multilevel Converter Based on Interleaved Half-Bridge Submodules. IEEE Transactions on Industrial Electronics, 2023, 70, 125-136.	7.9	12
3	Sensorless Current Balancing Control for Interleaved Half-Bridge Submodules in Modular Multilevel Converters. IEEE Transactions on Industrial Electronics, 2023, 70, 5-16.	7.9	8
4	Decoupled Control Scheme for THD Reduction and One Specific Harmonic Elimination in the Modular Multilevel Converter. IEEE Transactions on Industrial Electronics, 2023, 70, 99-111.	7.9	9
5	A Novel Detection and Localization Approach of Open-Circuit Switch Fault for the Grid-Connected Modular Multilevel Converter. IEEE Transactions on Industrial Electronics, 2023, 70, 112-124.	7.9	17
6	Modulated Model Predictive Control for Multilevel Cascaded H-Bridge Converter-Based Static Synchronous Compensator. IEEE Transactions on Industrial Electronics, 2022, 69, 1091-1102.	7.9	28
7	An Automatic Weak Learner Formulation for Lithium-Ion Battery State of Health Estimation. IEEE Transactions on Industrial Electronics, 2022, 69, 2659-2668.	7.9	40
8	A Dual-Layer Back-Stepping Control Method for Lyapunov Stability in Modular Multilevel Converter Based STATCOM. IEEE Transactions on Industrial Electronics, 2022, 69, 2166-2179.	7.9	22
9	RUIBoost-Based Ensemble Machine Learning for Electrode Quality Classification in Li-ion Battery Manufacturing. IEEE/ASME Transactions on Mechatronics, 2022, 27, 2474-2483.	5.8	23
10	Future Ageing Trajectory Prediction for Lithium-Ion Battery Considering the Knee Point Effect. IEEE Transactions on Energy Conversion, 2022, 37, 1282-1291.	5.2	38
11	Novel modular multilevel converter-based five-terminal MV/LV hybrid AC/DC microgrids with improved operation capability under unbalanced power distribution. Applied Energy, 2022, 306, 118140.	10.1	9
12	Effect of Pulsed Current on Charging Performance of Lithium-Ion Batteries. IEEE Transactions on Industrial Electronics, 2022, 69, 10144-10153.	7.9	24
13	Towards Long Lifetime Battery: AI-Based Manufacturing and Management. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 1139-1165.	13.1	111
14	A Novel Fault-Tolerant Operation Approach for the Modular Multilevel Converter-Based STATCOM With the Enhanced Operation Capability. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 5541-5552.	5.4	5
15	An Enhanced Data-Driven Model for Lithium-Ion Battery State-of-Health Estimation with Optimized Features and Prior Knowledge. Automotive Innovation, 2022, 5, 134-145.	5.1	13
16	Sensorless Temperature Estimation of Lithium-Ion Battery Based on Broadband Impedance Measurements. IEEE Transactions on Power Electronics, 2022, 37, 10101-10105.	7.9	14
17	A Review of Second-Life Lithium-Ion Batteries for Stationary Energy Storage Applications. Proceedings of the IEEE, 2022, 110, 735-753.	21.3	47
18	On Converter Fault Tolerance in MMC-HVDC Systems: A Comprehensive Survey. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 7459-7470.	5.4	23

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19	Machine Learning Based Operating Region Extension of Modular Multilevel Converters Under Unbalanced Grid Faults. IEEE Transactions on Industrial Electronics, 2021, 68, 4554-4560.	7.9	20
20	Minimum Cell Operation Control for Power Loss Reduction in MMC-Based STATCOM. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 1938-1950.	5.4	12
21	An Improved Fault-Tolerant Control Scheme for Cascaded H-Bridge STATCOM With Higher Attainable Balanced Line-to-Line Voltages. IEEE Transactions on Industrial Electronics, 2021, 68, 2784-2797.	7.9	42
22	A Novel Operation Scheme for Modular Multilevel Converter With Enhanced Ride-Through Capability of Submodule Faults. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 1258-1268.	5.4	25
23	On the feature selection for battery state of health estimation based on charging&“discharging profiles. Journal of Energy Storage, 2021, 33, 102122.	8.1	77
24	Machine Learning Emulation of Model Predictive Control for Modular Multilevel Converters. IEEE Transactions on Industrial Electronics, 2021, 68, 11628-11634.	7.9	30
25	Optimum Design of MMC-Based ES-STATCOM Systems: The Role of the Submodule Reference Voltage. IEEE Transactions on Industry Applications, 2021, 57, 3064-3076.	4.9	16
26	Neural Network Based Model Predictive Controllers for Modular Multilevel Converters. IEEE Transactions on Energy Conversion, 2021, 36, 1562-1571.	5.2	37
27	Novel Converter Topology With Reduced Cost, Size and Weight for High-Power Medium-Voltage Machine Drives: 3x3 Modular Multilevel Series Converter. IEEE Access, 2021, 9, 49082-49097.	4.2	13
28	Modeling and Mitigation Control of the Submodule-Capacitor Voltage Ripple of a Modular Multilevel Converter under Unbalanced Grid Conditions. Energies, 2021, 14, 651.	3.1	11
29	Performance Analysis of Modular Multilevel Converter and Modular Multilevel Series Converter under Variable-Frequency Operation Regarding Submodule-Capacitor Voltage Ripple. Energies, 2021, 14, 776.	3.1	5
30	Modular Multilevel Converters Based on Interleaved Half-Bridge Submodules. , 2021, , .		7
31	The Degradation Behavior of LiFePO4/C Batteries during Long-Term Calendar Aging. Energies, 2021, 14, 1732.	3.1	31
32	Black Start Service from Offshore Wind Power Plant using IBESS. , 2021, , .		7
33	Fuzzy Entropy-Based State of Health Estimation for Li-Ion Batteries. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 5125-5137.	5.4	29
34	An Improved Submodule Capacitor Voltage Measuring Algorithm for MMC With Reduced Sensors. IEEE Sensors Journal, 2021, 21, 20475-20492.	4.7	4
35	A review of non-probabilistic machine learning-based state of health estimation techniques for Lithium-ion battery. Applied Energy, 2021, 300, 117346.	10.1	158
36	Medium-Voltage Converter Solution With Modular Multilevel Structure and Decentralized Energy Storage Integration for High-Power Wind Turbines. IEEE Transactions on Power Electronics, 2021, 36, 12954-12967.	7.9	9

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37	A Novel Sliding-Discrete-Control-Set Modulated Model Predictive Control for Modular Multilevel Converter. IEEE Access, 2021, 9, 10316-10327.	4.2	17
38	Operational Advantages and Challenges of New AC-AC Converter Solution with Modular Multilevel Structure Suitable for High-Power Medium-Voltage Electrical Machine Drives. , 2021, , .		0
39	Fast and Robust Estimation of Lithium-ion Batteries State of Health Using Ensemble Learning. , 2021, , .		4
40	Dispatchable High-Power Wind Turbine Based on a Multilevel Converter With Modular Structure and Hybrid Energy Storage Integration. IEEE Access, 2021, 9, 152878-152891.	4.2	4
41	Islanded Operation of Offshore Wind Power Plant using IBESS. , 2021, , .		3
42	Multidimensional Machine Learning Balancing in Smart Battery Packs. , 2021, , .		6
43	Delta-CHB STATCOM with reduced energy storage requirements based on third harmonic injection. , 2021, , .		2
44	Overview of Machine Learning Methods for Lithium-Ion Battery Remaining Useful Lifetime Prediction. Electronics (Switzerland), 2021, 10, 3126.	3.1	27
45	High-Power Medium-Voltage Wind Turbine Driven by Converter Solution with Modular Multilevel Structure and Decentralized Battery Integration Operating in Both Grid-Following and Grid-Forming Modes. , 2021, , .		0
46	Overview of Methods for Battery Lifetime Extension. , 2021, , .		1
47	Improving the Reactive Current Compensation Capability of Cascaded H-Bridge Based STATCOM Under Unbalanced Grid Voltage. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 1466-1476.	5.4	44
48	Negative-Sequence Second-Order Circulating Current Injection for Hybrid MMC Under Over-Modulation Conditions. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 2508-2519.	5.4	23
49	Analysis and optimization of hybrid modular multilevel converters under over-modulation conditions. International Journal of Electrical Power and Energy Systems, 2020, 116, 105578.	5.5	5
50	On Inherent Redundancy of MMC-Based STATCOMs in the Overmodulation Region. IEEE Transactions on Power Delivery, 2020, 35, 1169-1179.	4.3	18
51	Reliability-Oriented Design of Modular Multilevel Converters for Medium-Voltage STATCOM. IEEE Transactions on Industrial Electronics, 2020, 67, 6206-6214.	7.9	28
52	Emergency wind power plant re-dispatching against transmission system cascading failures using reverse tracking of line power flow. IET Generation, Transmission and Distribution, 2020, 14, 3241-3249.	2.5	6
53	Lithium-ion Battery State of Health Estimation Using Empirical Mode Decomposition Sample Entropy and Support Vector Machine. , 2020, , .		5
54	New AC-AC Modular Multilevel Converter Solution for Medium-Voltage Machine-Drive Applications: Modular Multilevel Series Converter. Energies, 2020, 13, 3664.	3.1	8

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55	State-of-health estimation of lithium-ion batteries based on semi-supervised transfer component analysis. Applied Energy, 2020, 277, 115504.	10.1	85
56	Improved post-fault operation strategy for a cascaded H-bridge based STATCOM. IET Power Electronics, 2020, 13, 2413-2423.	2.1	12
57	Wireless Smart Battery Management System for Electric Vehicles. , 2020, , .		22
58	Multiobjective Optimization of Data-Driven Model for Lithium-Ion Battery SOH Estimation With Short-Term Feature. IEEE Transactions on Power Electronics, 2020, 35, 11855-11864.	7.9	100
59	Modular Multilevel Converter for Photovoltaic Application with High Energy Yield under Uneven Irradiance. Energies, 2020, 13, 2619.	3.1	4
60	A Review of Pulsed Current Technique for Lithium-ion Batteries. Energies, 2020, 13, 2458.	3.1	45
61	Benchmarking of Modular Multilevel Converter Topologies for ES-STATCOM Realization. Energies, 2020, 13, 3384.	3.1	24
62	An optimized ensemble learning framework for lithium-ion Battery State of Health estimation in energy storage system. Energy, 2020, 206, 118140.	8.8	75
63	High Performance Simulation Models for ES-STATCOM Based on Modular Multilevel Converters. IEEE Transactions on Energy Conversion, 2020, 35, 474-483.	5.2	24
64	The Effect of Pulsed Current on the Performance of Lithium-ion Batteries. , 2020, , .		9
65	State-feedback control of grid and circulating current in modular multilevel converters. IFAC-PapersOnLine, 2020, 53, 12396-12401.	0.9	4
66	Fuzzy Entropy-Based State of Health Estimation of LiFePO4 Batteries Considering Temperature Variation. , 2020, , .		1
67	Learning Based Capacitor Voltage Ripple Reduction of Modular Multilevel Converters under Unbalanced Grid Conditions with Different Power Factors. , 2020, , .		3
68	Data smoothing in Fuzzy Entropy-based Battery State of Health Estimation. , 2020, , .		1
69	State of Health Estimation for Lithium-ion Battery Using Fuzzy Entropy and Support Vector Machine. , 2020, , .		1
70	A Currentless Sorting and Selection-Based Capacitor-Voltage-Balancing Method for Modular Multilevel Converters. IEEE Transactions on Power Electronics, 2019, 34, 1022-1025.	7.9	90
71	A review of sliding mode observers based on equivalent circuit model for battery SoC estimation. , 2019, , .		7
72	Performance Analysis of Medium-Voltage Grid Integration of PV Plant Using Modular Multilevel Converter. IEEE Transactions on Energy Conversion, 2019, 34, 1731-1740.	5.2	53

#	ARTICLE	IF	CITATIONS
73	A Study on Performance Characterization Considering Six-Degree-of-Freedom Vibration Stress and Aging Stress for Electric Vehicle Battery Under Driving Conditions. IEEE Access, 2019, 7, 112180-112190.	4.2	13
74	Lithium-ion battery state-of-health estimation in electric vehicle using optimized partial charging voltage profiles. Energy, 2019, 185, 1054-1062.	8.8	63
75	The Effect of Voltage Dataset Selection on the Accuracy of Entropy-Based Capacity Estimation Methods for Lithium-Ion Batteries. Applied Sciences (Switzerland), 2019, 9, 4170.	2.5	11
76	Smart Battery Pack for Electric Vehicles Based on Active Balancing with Wireless Communication Feedback. Energies, 2019, 12, 3862.	3.1	17
77	A Simple Operation Approach for Modular Multilevel Converter Under Grid Voltage Swell in Medium-Voltage Microgrids. IEEE Access, 2019, 7, 147280-147291.	4.2	4
78	Arm Power Control of the Modular Multilevel Converter in Photovoltaic Applications. Energies, 2019, 12, 1620.	3.1	17
79	State observer based capacitor-voltage-balancing method for modular multilevel converters without arm-current sensors. International Journal of Electrical Power and Energy Systems, 2019, 113, 188-196.	5.5	11
80	A Novel Submodule Voltage Balancing Scheme for Modular Multilevel Cascade Converter—Double-Star Chopper-Cells (MMCC-DSCC) Based STATCOM. IEEE Access, 2019, 7, 83058-83073.	4.2	25
81	A Capacitor Voltage Balancing Approach Based on Mapping Strategy for MMC Applications. Electronics (Switzerland), 2019, 8, 449.	3.1	11
82	Optimization of the discharge cut-off voltage in LiFePO4 battery packs. , 2019, , .		0
83	Optimal Design of a Medium-Voltage Grid Analyzer. , 2019, , .		0
84	A Real Time Simulator of a PEV's On Board Battery Charger. , 2019, , .		1
85	A Method for Accelerating FPGA Based Digital Control of Switched Mode Power Supplies. , 2019, , .		3
86	PV Module-Level CHB Inverter with Integrated Battery Energy Storage System. Energies, 2019, 12, 4601.	3.1	11
87	A Review of Management Architectures and Balancing Strategies in Smart Batteries. , 2019, , .		14
88	A Novel Harmonic Control Method for MMC Combining Improved Nearest Level Control and Selective Harmonic Elimination method. , 2019, , .		2
89	A Novel Fault-Tolerant Control Method for Modular Multilevel Converter with an Improved Phase Disposition Level-Shifted PWM. , 2019, , .		3
90	An evolutionary framework for lithium-ion battery state of health estimation. Journal of Power Sources, 2019, 412, 615-622.	7.8	80

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91	A Novel Multiple Correction Approach for Fast Open Circuit Voltage Prediction of Lithium-Ion Battery. IEEE Transactions on Energy Conversion, 2019, 34, 1115-1123.	5.2	37
92	A Simplified Model-Based State-of-Charge Estimation Approach for Lithium-Ion Battery With Dynamic Linear Model. IEEE Transactions on Industrial Electronics, 2019, 66, 7717-7727.	7.9	140
93	Comparison of DSCC and SDBC Modular Multilevel Converters for STATCOM Application During Negative Sequence Compensation. IEEE Transactions on Industrial Electronics, 2019, 66, 2302-2312.	7.9	70
94	An Overview and Comparison of Online Implementable SOC Estimation Methods for Lithium-Ion Battery. IEEE Transactions on Industry Applications, 2018, 54, 1583-1591.	4.9	237
95	On DC Fault Dynamics of MMC-Based HVdc Connections. IEEE Transactions on Power Delivery, 2018, 33, 497-507.	4.3	32
96	Single-point reactive power control method on voltage rise mitigation in residential networks with high PV penetration. Renewable Energy, 2018, 119, 504-512.	8.9	18
97	Degradation Behavior of Lithium-Ion Batteries During Calendar Ageing – The Case of the Internal Resistance Increase. IEEE Transactions on Industry Applications, 2018, 54, 517-525.	4.9	88
98	On the Redundancy Strategies of Modular Multilevel Converters. IEEE Transactions on Power Delivery, 2018, 33, 851-860.	4.3	57
99	DSCC-MMC STATCOM Main Circuit Parameters Design Considering Positive and Negative Sequence Compensation. Journal of Control, Automation and Electrical Systems, 2018, 29, 62-74.	2.0	23
100	Comparison of Double Star Topologies of Modular Multilevel Converters in STATCOM Application. , 2018, , .		8
101	Smart Integrated Charger with Wireless BMS for EVs. , 2018, , .		9
102	Accelerated Lifetime Testing of High Power Lithium Titanate Oxide Batteries. , 2018, , .		7
103	A Reduced-Switching-Frequency Modulation Method for Hybrid MMCs Under Over-Modulation Conditions. , 2018, , .		2
104	Capacitor Voltage Ripple Reduction Methods of Modular Multilevel Converter under Unbalanced Fault Conditions: A Comparison. , 2018, , .		5
105	Application Layer Design for Smart Battery Pack Control with Wi-Fi® Feedback. , 2018, , .		2
106	Impact of Modulation Methods on the Trade-Off between Investment and Operation Costs of a Medium-Voltage MMC-based STATCOM. , 2018, , .		2
107	Adaptive Distributed EMS for Small Clusters of Resilient LVDC Microgrids. , 2018, , .		6
108	Lithium-ion battery state of health estimation with short-term current pulse test and support vector machine. Microelectronics Reliability, 2018, 88-90, 1216-1220.	1.7	104

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109	FPGA-Based Implementation of MMC Control Based on Sorting Networks. <i>Energies</i> , 2018, 11, 2394.	3.1	14
110	Frequency Adaptive Digital Filter Implementation of Proportional-Resonant Controller for Inverter Applications. , 2018, , .		3
111	Overview of Lithium-Ion Battery Modeling Methods for State-of-Charge Estimation in Electrical Vehicles. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 659.	2.5	194
112	Solar Cell Capacitance Determination Based on an RLC Resonant Circuit. <i>Energies</i> , 2018, 11, 672.	3.1	18
113	Influence of Battery Parametric Uncertainties on the State-of-Charge Estimation of Lithium Titanate Oxide-Based Batteries. <i>Energies</i> , 2018, 11, 795.	3.1	14
114	Low-complexity online estimation for LiFePO ₄ battery state of charge in electric vehicles. <i>Journal of Power Sources</i> , 2018, 395, 280-288.	7.8	55
115	Impact of Switching Harmonics on Capacitor Cells Balancing in Phase-Shifted PWM-Based Cascaded H-Bridge STATCOM. <i>IEEE Transactions on Power Electronics</i> , 2017, 32, 815-824.	7.9	53
116	Optimized Integrated Harmonic Filter Inductor for Dual-Converter-Fed Open-End Transformer Topology. <i>IEEE Transactions on Power Electronics</i> , 2017, 32, 1818-1831.	7.9	24
117	Flux-Balancing Scheme for PD-Modulated Parallel-Interleaved Inverters. <i>IEEE Transactions on Power Electronics</i> , 2017, 32, 3442-3457.	7.9	25
118	Short-Circuit Degradation of 10-kV 10-A SiC MOSFET. <i>IEEE Transactions on Power Electronics</i> , 2017, 32, 9342-9354.	7.9	59
119	High Order Voltage and Current Harmonic Mitigation Using the Modular Multilevel Converter STATCOM. <i>IEEE Access</i> , 2017, 5, 16684-16692.	4.2	61
120	Lithium-ion battery dynamic model for wide range of operating conditions. , 2017, , .		23
121	An overview of online implementable SOC estimation methods for Lithium-ion batteries. , 2017, , .		14
122	Low voltage fault ride through control in MMC-HVDC. , 2017, , .		1
123	Self-balancing feature of Lithium-Sulfur batteries. <i>Journal of Power Sources</i> , 2017, 372, 245-251.	7.8	10
124	Lithium-ion battery power degradation modelling by electrochemical impedance spectroscopy. <i>IET Renewable Power Generation</i> , 2017, 11, 1136-1141.	3.1	33
125	High level performance models of double-star MMC converters. , 2017, , .		2
126	Operation of a Grid-Connected Lithium-Ion Battery Energy Storage System for Primary Frequency Regulation: A Battery Lifetime Perspective. <i>IEEE Transactions on Industry Applications</i> , 2017, 53, 430-438.	4.9	257

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127	Control of a Modular Multilevel Converter With Reduced Internal Data Exchange. IEEE Transactions on Industrial Informatics, 2017, 13, 248-257.	11.3	79
128	Power Ramp Limitation Capabilities of Large PV Power Plants With Active Power Reserves. IEEE Transactions on Sustainable Energy, 2017, 8, 573-581.	8.8	39
129	Design and lifetime analysis of a DSCC-MMC STATCOM. , 2017, , .		8
130	Comparison of 2L-VSC and MMC-based HVDC Converters: Grid Frequency Support Considering Reduced Wind Power Plants Models. Electric Power Components and Systems, 2017, 45, 2007-2016.	1.8	2
131	Mission-profile based multi-objective optimization of power electronics converter for wind turbines. , 2017, , .		4
132	System-on-chip implementation of embedded real-time simulator for modular multilevel converters. , 2017, , .		4
133	Transferring the Incremental Capacity Analysis to Lithium-Sulfur Batteries. ECS Transactions, 2017, 77, 1919-1927.	0.5	2
134	State of charge balancing after hot swap for cascaded H-bridge multilevel converters. , 2017, , .		2
135	Internal Balance during Low-Voltage-Ride-Through of the Modular Multilevel Converter STATCOM. Energies, 2017, 10, 935.	3.1	10
136	Highly Efficient Smart Battery Pack for EV Drivetrains. , 2017, , .		6
137	Analysis of back-to-back MMC for medium voltage applications under faulted condition. , 2017, , .		0
138	Circulating current control for parallel interleaved VSCs connected in whiffletree configuration. , 2016, , .		1
139	Two-dimension sorting and selection algorithm featuring thermal balancing control for modular multilevel converters. , 2016, , .		12
140	A comprehensive study on the degradation of lithium-ion batteries during calendar ageing: The internal resistance increase. , 2016, , .		13
141	Performance degradation of thermal parameters during cycle ageing of high energy density Ni-Mn-Co based Lithium-Ion battery cells. , 2016, , .		2
142	Evaluation of circulating current suppression methods for parallel interleaved inverters. , 2016, , .		6
143	New MMC capacitor voltage balancing using sorting-less strategy in nearest level control. , 2016, , .		10
144	The Second Life Ageing of the NMC/C Electric Vehicle Retired Li-Ion Batteries in the Stationary Applications. ECS Transactions, 2016, 74, 55-62.	0.5	11

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145	Comparative evaluation of modulation schemes for grid-connected parallel interleaved inverters. , 2016, , .		4
146	Losses and cost comparison of DS-HB and SD-FB MMC based large utility grade STATCOM. , 2016, , .		12
147	Fault ride-through performance evaluation of an interleaved grid-connected converter employing low switching frequency. , 2016, , .		0
148	Dual Converter Fed Open-End Transformer Topology with Parallel Converters and Integrated Magnetics. IEEE Transactions on Industrial Electronics, 2016, , 1-1.	7.9	9
149	Battery pack state of charge balancing algorithm for cascaded H-Bridge multilevel converters. , 2016, , .		6
150	Capacitor voltage ripple reduction and arm energy balancing in MMC-HVDC. , 2016, , .		14
151	Degradation Behavior of Lithium-Ion Batteries Based on Lifetime Models and Field Measured Frequency Regulation Mission Profile. IEEE Transactions on Industry Applications, 2016, 52, 5009-5018.	4.9	77
152	MMC-HVDC Standards and Commissioning Procedures. , 2016, , 305-317.		2
153	Challenges with harmonic compensation at a remote bus in offshore wind power plant. , 2016, , .		4
154	FPGA-based implementation of sorting networks in MMC applications. , 2016, , .		6
155	Capacitor voltage balance performance comparison of MMC-STATCOM using NLC and PS-PWM strategies during negative sequence current injection. , 2016, , .		10
156	A self-discharge model of Lithium-Sulfur batteries based on direct shuttle current measurement. Journal of Power Sources, 2016, 336, 325-331.	7.8	29
157	Magnetic integration of the harmonic filter inductor for dual-converter fed open-end transformer topology. , 2016, , .		1
158	Short-circuit characterization of 10 kV 10A 4H-SiC MOSFET. , 2016, , .		20
159	Fault identification in crystalline silicon PV modules by complementary analysis of the light and dark currentâ€“voltage characteristics. Progress in Photovoltaics: Research and Applications, 2016, 24, 517-532.	8.1	28
160	Magnetic Integration for Parallel Interleaved VSCs Connected in a Whiffletree Configuration. IEEE Transactions on Power Electronics, 2016, 31, 7797-7808.	7.9	25
161	A Low-Voltage Ride-Through Technique for Grid-connected Converters with Reduced Power Transistors Stress. IEEE Transactions on Power Electronics, 2016, , 1-1.	7.9	43
162	Sizing of an Energy Storage System for Grid Inertial Response and Primary Frequency Reserve. IEEE Transactions on Power Systems, 2016, 31, 3447-3456.	6.5	286

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163	An Integrated Inductor for Parallel Interleaved Three-Phase Voltage Source Converters. IEEE Transactions on Power Electronics, 2016, 31, 3400-3414.	7.9	55
164	Efficiency improvement of pumped storage system for MW scale off-grid PV plants. , 2015, , .		3
165	Individual capacitor voltage balancing in H-bridge cascaded multilevel STATCOM at zero current operating mode. , 2015, , .		7
166	State of Charge balancing control of a multi-functional battery energy storage system based on a 11-level cascaded multilevel PWM converter. , 2015, , .		6
167	Circulating current suppression strategies for D-STATCOM based on modular multilevel converters. , 2015, , .		0
168	Characterisation of 10 kV 10 A SiC MOSFET. , 2015, , .		5
169	Performance comparison of phase shifted PWM and sorting method for modular multilevel converters. , 2015, , .		17
170	Performance model for high-power lithium titanate oxide batteries based on extended characterization tests. , 2015, , .		10
171	Extensive EIS characterization of commercially available lithium polymer battery cell for performance modelling. , 2015, , .		7
172	Suggested operation of grid-connected lithium-ion battery energy storage system for primary frequency regulation: Lifetime perspective. , 2015, , .		7
173	Induction motors most efficient operation points in pumped storage systems. , 2015, , .		0
174	Circulating current suppression strategies for D-STATCOM based on modular Multilevel Converters. , 2015, , .		1
175	Quantifying solar cell cracks in photovoltaic modules by electroluminescence imaging. , 2015, , .		24
176	Degradation behaviour of Lithium-ion batteries based on field measured frequency regulation mission profile. , 2015, , .		23
177	Circulating current controller for parallel interleaved converters using PR controllers. , 2015, , .		8
178	Evaluation of different methods for measuring the impedance of Lithium-ion batteries during ageing. , 2015, , .		10
179	Electrical circuit models for performance modeling of Lithium-Sulfur batteries. , 2015, , .		13
180	Implementation of fault tolerant control for modular multilevel converter using EtherCAT communication. , 2015, , .		26

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181	Grid Voltage Synchronization for Distributed Generation Systems Under Grid Fault Conditions. IEEE Transactions on Industry Applications, 2015, 51, 3414-3425.	4.9	170
182	Line Filter Design of Parallel Interleaved VSCs for High-Power Wind Energy Conversion Systems. IEEE Transactions on Power Electronics, 2015, 30, 6775-6790.	7.9	108
183	Lifetime and economic analyses of lithium-ion batteries for balancing wind power forecast error. International Journal of Energy Research, 2015, 39, 760-770.	4.5	22
184	A New PWM Strategy for Grid-Connected Half-Bridge Active NPC Converters With Losses Distribution Balancing Mechanism. IEEE Transactions on Power Electronics, 2015, 30, 5331-5340.	7.9	84
185	Temperature dependency analysis and correction methods of <i>in situ</i> power loss estimation for crystalline silicon modules undergoing potential induced degradation stress testing. Progress in Photovoltaics: Research and Applications, 2015, 23, 1536-1549.	8.1	38
186	An Integrated Inductor for Parallel Interleaved VSCs and PWM Schemes for Flux Minimization. IEEE Transactions on Industrial Electronics, 2015, 62, 7534-7546.	7.9	61
187	Diagnostic method for photovoltaic systems based on light \hat{V} measurements. Solar Energy, 2015, 119, 29-44.	6.1	90
188	Index-Based Assessment of Voltage Rise and Reverse Power Flow Phenomena in a Distribution Feeder Under High PV Penetration. IEEE Journal of Photovoltaics, 2015, 5, 1158-1168.	2.5	79
189	Lifetime Estimation of the Nanophosphate LiFePO_4 Battery Chemistry Used in Fully Electric Vehicles. IEEE Transactions on Industry Applications, 2015, 51, 3453-3461.	4.9	81
190	Enhancing the Capacity of the AC Distribution System Using DC Interlinks – A Step Toward Future DC Grid. IEEE Transactions on Smart Grid, 2015, 6, 1722-1729.	9.0	88
191	Comparison between grid side and inverter side current control for parallel interleaved grid connected converters. , 2015, , .		2
192	An integrated inductor for parallel interleaved VSCs connected in a whiffletree configuration. , 2015, , .		4
193	Integrated inductor for interleaved operation of two parallel three-phase voltage source converters. , 2015, , .		19
194	Comparison of parametrization techniques for an electrical circuit model of Lithium-Sulfur batteries. , 2015, , .		6
195	Comparison of PI and PR current controllers applied on two-level VSC-HVDC transmission system. , 2015, , .		11
196	Design of low impedance busbar for 10 kV, 100A 4H-SiC MOSFET short-circuit tester using axial capacitors. , 2015, , .		12
197	Optimal interleaving angle determination in multi paralleled converters considering the DC current ripple and grid Current THD. , 2015, , .		15
198	Modified Discontinuous PWM for Size Reduction of the Circulating Current Filter in Parallel Interleaved Converters. IEEE Transactions on Power Electronics, 2015, 30, 3457-3470.	7.9	98

#	ARTICLE	IF	CITATIONS
199	Electro-Thermo-Mechanical Analysis of High-Power Press-Pack Insulated Gate Bipolar Transistors under Various Mechanical Clamping Conditions. IEEJ Journal of Industry Applications, 2014, 3, 192-197.	1.1	41
200	Accelerated Lifetime Testing Methodology for Lifetime Estimation of Lithium-Ion Batteries Used in Augmented Wind Power Plants. IEEE Transactions on Industry Applications, 2014, 50, 4006-4017.	4.9	127
201	A comparative study of lithium ion to lead acid batteries for use in UPS applications. , 2014, , .		27
202	Suitability of the nanophosphate LiFePO ₄ /C battery chemistry for the fully electric vehicle: Lifetime perspective. , 2014, , .		1
203	Frequency Support Functions in Large PV Power Plants With Active Power Reserves. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2014, 2, 849-858.	5.4	145
204	Synchronization of the distributed PWM carrier waves for modular multilevel converters. , 2014, , .		38
205	Analytical method to calculate the DC link current stress in voltage source converters. , 2014, , .		14
206	Multi-Functional Converter with Integrated Motor Control, Battery Charging and Active Module Balancing for Electric Vehicular Application. , 2014, , .		4
207	Investigation on the Self-discharge of the LiFePO ₄ /C nanophosphate battery chemistry at different conditions. , 2014, , .		7
208	High Performance Reduced Order Models for Wind Turbines with Full-Scale Converters Applied on Grid Interconnection Studies. Energies, 2014, 7, 7694-7716.	3.1	17
209	Parallel interleaved VSCs: Influence of the PWM scheme on the design of the coupled inductor. , 2014, , .		17
210	Impact of frequency modulation ratio on capacitor cells balancing in phase-shifted PWM based chain-link STATCOM. , 2014, , .		2
211	Design of the trap filter for the high power converters with parallel interleaved VSCs. , 2014, , .		19
212	Implementation of PLL and FLL trackers for signals with high harmonic content and low sampling frequency. , 2014, , .		9
213	Hierarchical Control of Parallel AC-DC Converter Interfaces for Hybrid Microgrids. IEEE Transactions on Smart Grid, 2014, 5, 683-692.	9.0	327
214	Reduction of DC-link capacitor in case of cascade multilevel converters by means of reactive power control. , 2014, , .		14
215	Optimal Design of Photovoltaic Systems Using High Time-Resolution Meteorological Data. IEEE Transactions on Industrial Informatics, 2014, 10, 2270-2279.	11.3	40
216	Investigation of extra power loss sharing among photovoltaic inverters caused by reactive power management in distribution networks. , 2014, , .		5

#	ARTICLE	IF	CITATIONS
217	Selection and Performance-Degradation Modeling of $\text{LiMO}_{2}/\text{Li}_{4}\text{Ti}_{5}\text{SO}_{12}$ and $\text{LiFePO}_{4}/\text{C}$ Battery Cells as Suitable Energy Storage Systems for Grid Integration With Wind Power Plants: An Example for the Primary Frequency Regulation Service. IEEE Transactions on Sustainable Energy, 2014, 5, 90-101.	8.8	115
218	Instability of Wind Turbine Converters During Current Injection to Low Voltage Grid Faults and PLL Frequency Based Stability Solution. IEEE Transactions on Power Systems, 2014, 29, 1683-1691.	6.5	238
219	Lithium ion battery chemistries from renewable energy storage to automotive and back-up power applications – An overview. , 2014, , .		85
220	Primary frequency regulation with Li-ion battery energy storage system: A case study for Denmark. , 2013, , .		31
221	An Optimization Method for Designing Large PV Plants. IEEE Journal of Photovoltaics, 2013, 3, 814-822.	2.5	101
222	Photovoltaic array condition monitoring based on online regression of performance model. , 2013, , .		22
223	Selection and impedance based model of a lithium ion battery technology for integration with virtual power plant. , 2013, , .		7
224	Energy storage systems impact on the short-term frequency stability of distributed autonomous microgrids, an analysis using aggregate models. IET Renewable Power Generation, 2013, 7, 531-539.	3.1	66
225	Generic 12-bus test system for wind power integration studies. , 2013, , .		22
226	Grid integration of PV power based on PHIL testing using different interface algorithms. , 2013, , .		11
227	Dynamic thermal modelling and analysis of press-pack IGBTs both at component-level and chip-level. , 2013, , .		24
228	Grounding system studies for transformer-less collector feeder of full-scale power converters. , 2013, , .		0
229	Field tests experience from 1.6MW/400kWh Li-ion battery energy storage system providing primary frequency regulation service. , 2013, , .		22
230	Benchmark networks for grid integration impact studies of large PV plants. , 2013, , .		8
231	A flexible low-voltage ride-through operation for the distributed generation converters. , 2013, , .		6
232	Accelerated lifetime testing methodology for lifetime estimation of Lithium-ion batteries used in augmented wind power plants. , 2013, , .		9
233	On the Perturb-and-Observe and Incremental Conductance MPPT Methods for PV Systems. IEEE Journal of Photovoltaics, 2013, 3, 1070-1078.	2.5	629
234	A new method to implement resampled uniform PWM suitable for distributed control of modular multilevel converters. , 2013, , .		16

#	ARTICLE	IF	CITATIONS
235	Control of transformerless MMC-HVDC during asymmetric grid faults. , 2013, , .		19
236	High efficiency battery converter with SiC devices for residential PV systems. , 2013, , .		5
237	Impact of wind power plant reactive current injection during asymmetrical grid faults. IET Renewable Power Generation, 2013, 7, 484-492.	3.1	34
238	Complex state variable and disturbance observer based current controllers for AC drives: an experimental comparison. IET Power Electronics, 2013, 6, 1792-1802.	2.1	6
239	Modeling, Analysis, and Design of Stationary-Reference-Frame Droop-Controlled Parallel Three-Phase Voltage Source Inverters. IEEE Transactions on Industrial Electronics, 2013, 60, 1271-1280.	7.9	559
240	Power ramp limitation and frequency support in large scale PVPPs without storage. , 2013, , .		5
241	Experimental investigation on the internal resistance of Lithium iron phosphate battery cells during calendar ageing. , 2013, , .		5
242	The lifetime of the LiFePO ₄ /C battery energy storage system when used for smoothing of the wind power plant variations. , 2013, , .		2
243	Analysis of communication based distributed control of MMC for HVDC. , 2013, , .		44
244	Impact of negative sequence current injection by wind power plants. , 2013, , .		1
245	Modular multilevel converter modelling, control and analysis under grid frequency deviations. , 2013, , .		11
246	Distribution system augmented by DC links for increasing the hosting capacity of PV generation. , 2012, , .		6
247	Power Capability Investigation Based on Electrothermal Models of Press-Pack IGBT Three-Level NPC and ANPC VSCs for Multimegawatt Wind Turbines. IEEE Transactions on Power Electronics, 2012, 27, 3195-3206.	7.9	106
248	Decoupled Double Synchronous Reference Frame current controller for unbalanced grid voltage conditions. , 2012, , .		13
249	Modelling the clamping force distribution among chips in press-pack IGBTs using the finite element method. , 2012, , .		9
250	SoC-based droop method for distributed energy storage in DC microgrid applications. , 2012, , .		62
251	Design and Analysis of a Slope Voltage Control for a DFIG Wind Power Plant. IEEE Transactions on Energy Conversion, 2012, 27, 11-20.	5.2	57
252	Enhanced Decoupled Double Synchronous Reference Frame Current Controller for Unbalanced Grid-Voltage Conditions. IEEE Transactions on Power Electronics, 2012, 27, 3934-3943.	7.9	258

#	ARTICLE	IF	CITATIONS
253	A Stationary Reference Frame Grid Synchronization System for Three-Phase Grid-Connected Power Converters Under Adverse Grid Conditions. IEEE Transactions on Power Electronics, 2012, 27, 99-112.	7.9	628
254	Short term energy storage for grid support in wind power applications. , 2012, , .		18
255	Advanced structures for grid synchronization of power converters in distributed generation applications. , 2012, , .		10
256	An iterative approach for symmetrical and asymmetrical Short-circuit calculations with converter-based connected renewable energy sources. Application to wind power. , 2012, , .		10
257	Multilink DC transmission for offshore Wind Power integration. , 2012, , .		7
258	Power density investigations for the large wind turbines' grid-side press-pack IGBT 3L-NPC-VSCs. , 2012, , .		6
259	Resonance propagation of parallel-operated DC-AC converters with LCL filters. , 2012, , .		17
260	Detection of increased series losses in PV arrays using Fuzzy Inference Systems. , 2012, , .		26
261	Design and coordination of a capacitor and on-load tap changer system for voltage control in a wind power plant of doubly fed induction generator wind turbines. Wind Energy, 2012, 15, 507-523.	4.2	9
262	Overview of recent Grid Codes for PV power integration. , 2012, , .		96
263	Improved voltage regulation strategies by PV inverters in LV rural networks. , 2012, , .		36
264	Development of modulation strategies for NPC converter addressing DC link voltage balancing and CMV reduction. , 2012, , .		7
265	Electro-thermal modeling for junction temperature cycling-based lifetime prediction of a press-pack IGBT 3L-NPC-VSC applied to large wind turbines. , 2011, , .		28
266	Current control method for distributed generation power generation plants under grid fault conditions. , 2011, , .		30
267	Control of parallel-connected bidirectional AC-DC converters in stationary frame for microgrid application. , 2011, , .		21
268	Short circuit signatures from different wind turbine generator types. , 2011, , .		25
269	Control of power converters in distributed generation applications under grid fault conditions. , 2011, , .		25
270	Special tests for the power electronic converters of wind turbine generators. , 2011, , .		1

#	ARTICLE	IF	CITATIONS
271	Modeling, analysis, and design of stationary reference frame droop controlled parallel three-phase voltage source inverters. , 2011, , .		36
272	Enhanced local grid voltage support method for high penetration of distributed generators. , 2011, , .		24
273	Mode Adaptive Droop Control With Virtual Output Impedances for an Inverter-Based Flexible AC Microgrid. IEEE Transactions on Power Electronics, 2011, 26, 689-701.	7.9	458
274	Local Reactive Power Control Methods for Overvoltage Prevention of Distributed Solar Inverters in Low-Voltage Grids. IEEE Journal of Photovoltaics, 2011, 1, 174-182.	2.5	421
275	Converter Structure-Based Power Loss and Static Thermal Modeling of The Press-Pack IGBT Three-Level ANPC VSC Applied to Multi-MW Wind Turbines. IEEE Transactions on Industry Applications, 2011, 47, 2505-2515.	4.9	53
276	Multiresonant Frequency-Locked Loop for Grid Synchronization of Power Converters Under Distorted Grid Conditions. IEEE Transactions on Industrial Electronics, 2011, 58, 127-138.	7.9	890
277	Grid-Filter Design for a Multimegawatt Medium-Voltage Voltage-Source Inverter. IEEE Transactions on Industrial Electronics, 2011, 58, 1205-1217.	7.9	352
278	Power density investigation on the press-pack IGBT 3L-HB-VSCs applied to large. , 2011, , .		5
279	A new modular multilevel converter with integrated energy storage. , 2011, , .		103
280	A New High-Efficiency Single-Phase Transformerless PV Inverter Topology. IEEE Transactions on Industrial Electronics, 2011, 58, 184-191.	7.9	648
281	Parameterization of a synchronous generator to represent a doubly fed induction generator with chopper protection for fault studies. Wind Energy, 2011, 14, 107-118.	4.2	10
282	VAr reserve concept applied to a wind power plant. , 2011, , .		3
283	Constant common mode voltage modulation strategy for the FB10 power converter. , 2011, , .		2
284	A low-disturbance diagnostic function integrated in the PV arrays' MPPT algorithm. , 2011, , .		7
285	Comparison of two voltage control strategies for a wind power plant. , 2011, , .		33
286	Active current control in wind power plants during grid faults. Wind Energy, 2010, 13, 737-749.	4.2	10
287	DFIG turbine representation for small signal voltage control studies. , 2010, , .		11
288	Safe current injection strategies for a STATCOM under asymmetrical grid faults. , 2010, , .		48

#	ARTICLE	IF	CITATIONS
289	Overview of recent grid codes for wind power integration. , 2010, , .		236
290	Eliminating Ground Current in a Transformerless Photovoltaic Application. IEEE Transactions on Energy Conversion, 2010, 25, 140-147.	5.2	395
291	A novel optimized LCL-filter designing method for grid connected converter. , 2010, , .		19
292	Accurate and Less-Disturbing Active Antiislanding Method Based on PLL for Grid-Connected Converters. IEEE Transactions on Power Electronics, 2010, 25, 1576-1584.	7.9	139
293	Converter structure-based power loss and static thermal modeling of the press-pack IGBT-based three-level ANPC and HB VSCs applied to Multi-MW wind turbines. , 2010, , .		6
294	Design and control of LCL-filter with active damping for Active Power Filter. , 2010, , .		24
295	Deterministic and Stochastic Study of Wind Farm Harmonic Currents. IEEE Transactions on Energy Conversion, 2010, 25, 1071-1080.	5.2	67
296	Evaluation of the voltage support strategies for the low voltage grid connected PV generators. , 2010, , .		81
297	Low-cost, high flexibility I–V curve tracer for photovoltaic modules. , 2010, , .		8
298	A photovoltaic three-phase topology to reduce Common Mode Voltage. , 2010, , .		33
299	Power electronics for PV power systems integration. , 2010, , .		6
300	An integrated multifunction DC/DC converter for PV generation systems. , 2010, , .		8
301	Multiple second order generalized integrators for harmonic synchronization of power converters. , 2009, , .		68
302	Model predictive current control for high-power grid-connected converters with output LCL filter. , 2009, , .		33
303	Chattering suppression for DSP based sliding mode current control of PM DC drives. , 2009, , .		3
304	Diode-Assisted Buck–Boost Voltage-Source Inverters. IEEE Transactions on Power Electronics, 2009, 24, 2057-2064.	7.9	66
305	Topological Design and Modulation Strategy for Buck–Boost Three-Level Inverters. IEEE Transactions on Power Electronics, 2009, 24, 1722-1732.	7.9	38
306	Adaptive Droop Control Applied to Voltage-Source Inverters Operating in Grid-Connected and Islanded Modes. IEEE Transactions on Industrial Electronics, 2009, 56, 4088-4096.	7.9	504

#	ARTICLE	IF	CITATIONS
307	Reactive Power Control for Improving Wind Turbine System Behavior Under Grid Faults. IEEE Transactions on Power Electronics, 2009, 24, 1798-1801.	7.9	130
308	Evaluation of Three-Phase Transformerless Photovoltaic Inverter Topologies. IEEE Transactions on Power Electronics, 2009, 24, 2202-2211.	7.9	374
309	Evaluation of Current Controllers for Distributed Power Generation Systems. IEEE Transactions on Power Electronics, 2009, 24, 654-664.	7.9	787
310	Current Harmonics Cancellation in Three-Phase Four-Wire Systems by Using a Four-Branch Star Filtering Topology. IEEE Transactions on Power Electronics, 2009, 24, 1939-1950.	7.9	63
311	Z-Source-Inverter-Based Flexible Distributed Generation System Solution for Grid Power Quality Improvement. IEEE Transactions on Energy Conversion, 2009, 24, 695-704.	5.2	123
312	Hierarchical control of droop-controlled DC and AC microgrids – a general approach towards standardization. , 2009, , .		101
313	Clustered PV inverters in LV networks: An overview of impacts and comparison of voltage control strategies. , 2009, , .		94
314	A single leg switched PWM method for three-phase H-Bridge Voltage Source Converters. , 2009, , .		1
315	The PWM strategies of grid-connected distributed generation active NPC inverters. , 2009, , .		8
316	Control of DFIG-WT under unbalanced grid voltage conditions. , 2009, , .		12
317	Partial shadowing detection based on equivalent thermal voltage monitoring for PV module diagnostics. , 2009, , .		15
318	Robust series resistance estimation for diagnostics of photovoltaic modules. , 2009, , .		18
319	Adaptive hysteresis band current control for transformerless single-phase PV inverters. , 2009, , .		27
320	PV inverter test setup for European efficiency, static and dynamic MPPT efficiency evaluation. , 2008, , .		56
321	Optimized Maximum Power Point Tracker for fast changing environmental conditions. , 2008, , .		39
322	Photovoltaic module diagnostics by series resistance monitoring and temperature and rated power estimation. , 2008, , .		42
323	I-F starting method with smooth transition to EMF based motion-sensorless vector control of PM synchronous motor/generator. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	73
324	Reliability Issues in Photovoltaic Power Processing Systems. IEEE Transactions on Industrial Electronics, 2008, 55, 2569-2580.	7.9	479

#	ARTICLE	IF	CITATIONS
325	Optimized Maximum Power Point Tracker for Fast-Changing Environmental Conditions. IEEE Transactions on Industrial Electronics, 2008, 55, 2629-2637.	7.9	352
326	Low voltage ride through strategies for SCIG wind turbines in distributed power generation systems. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	24
327	A novel integrated renewable energy system modelling approach, allowing fast FPGA controller prototyping. , 2008, , .		4
328	Offset rejection for PLL based synchronization in grid-connected converters. IEEE Applied Power Electronics Conference and Exposition, 2008, , .	0.0	108
329	Adaptive droop control applied to distributed generation inverters connected to the grid. , 2008, , .		28
330	Disturbance observer based current controller for vector controlled IM drives. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	2
331	Grid requirements, monitoring, synchronization and control of wind turbines under grid faults. , 2008, , .		3
332	Online grid impedance estimation for single-phase grid-connected systems using PQ variations. , 2007, , .		106
333	A new stacked NPC converter: 3L-topology and control. , 2007, , .		38
334	Grid Impedance Identification Based on Active Power Variations and Grid Voltage Control. Conference Record - IAS Annual Meeting (IEEE Industry Applications Society), 2007, , .	0.0	14
335	Leakage current evaluation of a singlephase transformerless PV inverter connected to the grid. IEEE Applied Power Electronics Conference and Exposition, 2007, , .	0.0	81
336	Grid Impedance Estimation via Excitation of LCL -Filter Resonance. IEEE Transactions on Industry Applications, 2007, 43, 1401-1407.	4.9	173
337	On-line grid impedance estimation based on harmonic injection for grid-connected PV inverter. , 2007, , .		80
338	Line Impedance Estimation Using Active and Reactive Power Variations. , 2007, , .		62
339	Novel motion sensorless control of stand alone Permanent Magnet Synchronous Generator (PMSG): harmonics and negative sequence voltage compensation under nonlinear load. , 2007, , .		11
340	Eliminating ground current in a transformerless photovoltaic application. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	163
341	PV panel model based on datasheet values. , 2007, , .		543
342	Linear and Nonlinear Control of Distributed Power Generation Systems. Conference Record - IAS Annual Meeting (IEEE Industry Applications Society), 2006, , .	0.0	33

#	ARTICLE	IF	CITATIONS
343	Improved MPPT Algorithms for Rapidly Changing Environmental Conditions. , 2006, , .		100
344	Power Electronics in Renewable Energy Systems. , 2006, , .		44
345	Control Strategies for Distributed Power Generation Systems Operating on Faulty Grid. , 2006, , .		73
346	Multilevel transformerless topologies for single-phase grid-connected converters. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	67
347	Control of Single-Stage Single-Phase PV Inverter. EPE Journal (European Power Electronics and Drives) Tj ETQq1 1 0,784314 rgBT /Overlo 0,7 E13	0.7	13
348	Grid Monitoring for Distributed Power Generation Systems to Comply with Grid Codes. , 2006, , .		7
349	Power Electronics in Renewable Energy Systems. , 2006, , .		57
350	Problem-Based and Project-Oriented Learning. An Efficient Way to Implement Research Based Teaching in Power Electronic. IEEJ Transactions on Industry Applications, 2006, 126, 653-658.	0.2	1
351	PLL Algorithm for Power Generation Systems Robust to Grid Voltage Faults. , 0, , .		63
352	Grid Code Compliance of Grid-Side Converter in Wind Turbine Systems. , 0, , .		28
353	Modular Multilevel Converter Control Strategy with Fault Tolerance. Renewable Energy and Power Quality Journal, 0, , 772-777.	0.2	14