Johan Driesen

List of Publications by Year in descending order

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313 13,770 46
papers citations h-index

315 10406 times ranked citing authors

29157

104

g-index

315 all docs 315 docs citations

#	Article	IF	CITATIONS
1	A stepwise methodology for the design and evaluation of protection strategies in LVDC microgrids. Applied Energy, 2022, 310, 118420.	10.1	12
2	Comparison of GaN Enhancement Mode Transistor Performance With Integrated and External Driver. , 2022, 2, 100004.		3
3	A Family of DC–DC Converters With High Step-Down Voltage Capability Based on the <i>Valley-Fill</i> Switched Capacitor Principle. IEEE Transactions on Industrial Electronics, 2021, 68, 5810-5820.	7.9	13
4	Towards data-driven energy communities: A review of open-source datasets, models and tools. Renewable and Sustainable Energy Reviews, 2021, 148, 111290.	16.4	45
5	Embedded BIPV module-level DC/DC converters: Classification of optimal ratings. Renewable Energy, 2020, 146, 880-889.	8.9	21
6	Economic Study of Battery Profitability in Residential Solar Panel Systems: A Case Study of Belgium., 2020,,.		1
7	AC Voltage Profile Analysis of Cables and Bus Bars for BIPV DC Feeders. , 2020, , .		1
8	An Overview of Power Conversion Techniques and Topologies for DC-DC Voltage Regulation. , 2020, , .		1
9	Impact of photovoltaic technology and feeder voltage level on the efficiency of façade building-integrated photovoltaic systems. Applied Energy, 2020, 269, 115039.	10.1	9
10	The Sensitivity of an Electro-Thermal Photovoltaic DC–DC Converter Model to the Temperature Dependence of the Electrical Variables for Reliability Analyses. Energies, 2020, 13, 2865.	3.1	6
11	Practical Considerations for Designing Reliable DC/DC Converters, Applied to a BIPV Case. Energies, 2020, 13, 834.	3.1	5
12	Electrical system architectures for building-integrated photovoltaics: A comparative analysis using a modelling framework in Modelica. Applied Energy, 2020, 261, 114247.	10.1	16
13	Conversion Efficiency of the Buck Three-Level DC–DC Converter in Unbalanced Bipolar DC Microgrids. IEEE Transactions on Power Electronics, 2020, 35, 9306-9319.	7.9	24
14	Fuse-Based Short-Circuit Protection of Converter Controlled Low-Voltage DC Grids. IEEE Transactions on Power Electronics, 2020, 35, 11694-11706.	7.9	35
15	Influence of Driver Integration on GaN Enhancement Mode Transistor Performance. , 2020, , .		O
16	Design of a Bipolar DC Grid Fault Emulator. , 2020, , .		2
17	Gallium-Nitride Semiconductor Technology and Its Practical Design Challenges in Power Electronics Applications: An Overview. Energies, 2019, 12, 2663.	3.1	50
18	Operation of the fullâ€bridge threeâ€level DC–DC converter in unbalanced bipolar DC microgrids. IET Power Electronics, 2019, 12, 2256-2265.	2.1	17

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19	A mission profile-based reliability analysis framework for photovoltaic DC-DC converters. Microelectronics Reliability, 2019, 100-101, 113383.	1.7	7
20	Multi-agent reinforcement learning for modeling and control of thermostatically controlled loads. Applied Energy, 2019, 238, 1022-1035.	10.1	58
21	Review on Building-Integrated Photovoltaics Electrical System Requirements and Module-Integrated Converter Recommendations. Energies, 2019, 12, 1532.	3.1	25
22	Novel Step-Down DC–DC Converters Based on the Inductor–Diode and Inductor–Capacitor–Diode Structures in a Two-Stage Buck Converter. Energies, 2019, 12, 1131.	3.1	6
23	Modeling and validation of a DC/DC power converter for building energy simulations: Application to BIPV systems. Applied Energy, 2019, 240, 646-665.	10.1	19
24	Modified stepâ€down seriesâ€capacitor buck converter with insertion of a Valleyâ€Fill structure. IET Power Electronics, 2019, 12, 3306-3314.	2.1	5
25	Comparative Analysis of Reconfiguration Assisted Management of Battery Storage Systems. , 2019, , .		10
26	Electricity load-shedding in Pakistan: Unintended consequences, opportunities and policy recommendations. Energy Policy, 2019, 128, 411-417.	8.8	30
27	On the Numerical Accuracy of Electromagnetic Transient Simulation With Power Electronics. IEEE Transactions on Power Delivery, 2018, 33, 2492-2501.	4.3	17
28	Directional, High-Impedance Fault Detection in Isolated Neutral Distribution Grids. IEEE Transactions on Power Delivery, 2018, 33, 2474-2483.	4.3	29
29	Study on a cascaded DC-DC converter for use in building-integrated photovoltaics. , 2018, , .		17
30	Gigawatt-hour scale savings on a budget of zero: Deep reinforcement learning based optimal control of hot water systems. Energy, 2018, 144, 159-168.	8.8	69
31	Design and optimization of a grid connected residential PV-system with Battery Energy Storage System. , 2018, , .		1
32	Reliability Comparison of a DC-DC Converter Placed in Building-Integrated Photovoltaic Module Frames. , 2018, , .		6
33	Quasi-Two-Level Converter for overvoltage mitigation in medium voltage drives. , 2018, , .		9
34	Experimental Comparison of the Efficiency, Power Density and Thermal Performance of Two BIPV Converter Prototypes., 2018,,.		5
35	Bayesian inference based MPPT for dynamic irradiance conditions. Solar Energy, 2018, 174, 1153-1162.	6.1	7
36	Challenges for Wireless Power Transfer in Building-Integrated Photovoltaics. , 2018, , .		5

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37	A critical review of power quality standards and definitions applied to DC microgrids. Applied Energy, 2018, 229, 281-288.	10.1	94
38	Spatial and temporal analysis of wind effects on PV modules: Consequences for electrical power evaluation. Solar Energy, 2017, 147, 292-299.	6.1	33
39	Reconfigurable emulator for photovoltaic modules under static partial shading conditions. Solar Energy, 2017, 141, 256-265.	6.1	30
40	Accurate second-order interpolation for power electronic circuit simulation. , 2017, , .		1
41	Normalised efficiency of photovoltaic systems: Going beyond the performance ratio. Solar Energy, 2017, 157, 408-418.	6.1	26
42	Power electronics as the enabling technology for sustainable energy in the smart city., 2017,,.		1
43	Predetermined static configurations of a partially shaded photovoltaic module. Progress in Photovoltaics: Research and Applications, 2017, 25, 149-160.	8.1	4
44	Analysis of three-level converters with voltage balancing capability in bipolar DC distribution networks. , 2017, , .		7
45	Application of a 100A normally-on GaN-based device in a $2kW/400V$ input half-bridge non-isolated DC-DC configuration., 2017 ,,.		2
46	Comparative study of current redistributor's topologies for mitigating unbalanced currents in bipolar DC microgrids. , 2017, , .		3
47	Optimal Local Reactive Power Control by PV Inverters. IEEE Transactions on Sustainable Energy, 2016, 7, 1624-1633.	8.8	96
48	Current controller modeling for an interleaved boost with voltage multiplier cells for PV applications. , $2016, , .$		4
49	Power electronics for potential distribution dc power evolution: A review. , 2016, , .		5
50	Optimal Placement and Sizing of Active In-Line Voltage Regulators in Flemish LV Distribution Grids. IEEE Transactions on Industry Applications, 2016, 52, 4577-4584.	4.9	13
51	Comparing an unbalance compensating converter with and without a neutral connection. , 2016, , .		0
52	Lumen: Educating youngsters about energy, using Minecraft. , 2016, , .		3
53	Utilizing local energy storage for congestion management and investment deferral in distribution networks. , $2016, , .$		10
54	Technical assessment of centralized and localized voltage control strategies in low voltage networks. Sustainable Energy, Grids and Networks, 2016, 8, 85-97.	3.9	29

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55	Optimization control scheme utilizing small-scale distributed generators and OLTC distribution transformers. Sustainable Energy, Grids and Networks, 2016, 8, 74-84.	3.9	23
56	Opportunities and Restrictions in Digitizing VAD Care. Journal of Heart and Lung Transplantation, 2016, 35, S348.	0.6	0
57	Dynamic Thermal Modeling of Voltage_newline Divider Capacitive Coupling. IEEE Transactions on Power Delivery, 2016, 31, 1015-1025.	4.3	2
58	Analytical Switching Loss Model for Superjunction MOSFET With Capacitive Nonlinearities and Displacement Currents for DC–DC Power Converters. IEEE Transactions on Power Electronics, 2016, 31, 2485-2495.	7.9	65
59	LV distribution network voltage control mechanism: Analysis of large-scale field-test. Sustainable Energy, Grids and Networks, 2016, 6, 7-13.	3.9	9
60	An overview of large-scale stationary electricity storage plants in Europe: Current status and new developments. Renewable and Sustainable Energy Reviews, 2015, 52, 1212-1227.	16.4	75
61	Dynamic behavior of DC microgrids under load types and controlled-distributed energy resources. , 2015, , .		4
62	Voltage Sensitivity Analysis of a Laboratory Distribution Grid With Incomplete Data. IEEE Transactions on Smart Grid, 2015, 6, 1271-1280.	9.0	49
63	Trading Energy Yield for Frequency Regulation: Optimal Control of Kinetic Energy in Wind Farms. IEEE Transactions on Power Systems, 2015, 30, 2469-2478.	6.5	42
64	A Fast Voltage Clamp Circuit for the Accurate Measurement of the Dynamic ON-Resistance of Power Transistors. IEEE Transactions on Industrial Electronics, 2015, 62, 1241-1250.	7.9	80
65	Congenital combined deficiency of coagulation factors <scp>VII</scp> and X – different genetic mechanisms. Haemophilia, 2015, 21, 386-391.	2.1	21
66	The Tianjin 2014 Symposium on Microgrids: A meeting of the minds for international microgrid experts IEEE Electrification Magazine, 2015, 3, 79-85.	1.8	0
67	Spatial and temporal analysis of wind effects on PV module temperature and performance. Sustainable Energy Technologies and Assessments, 2015, 11, 36-41.	2.7	28
68	Balanced and unbalanced inverter strategies in battery storage systems for lowâ€voltage grid support. IET Generation, Transmission and Distribution, 2015, 9, 929-936.	2.5	13
69	MV and LV Residential Grid Impact of Combined Slow and Fast Charging of Electric Vehicles. Energies, 2015, 8, 1760-1783.	3.1	35
70	Locational Pricing to Mitigate Voltage Problems Caused by High PV Penetration. Energies, 2015, 8, 4607-4628.	3.1	12
71	Anticoagulation for VAD Patients: Can We Implement an Algorithm for Home Management Safely?. Journal of Heart and Lung Transplantation, 2015, 34, S235.	0.6	0
72	Evolution of Depressive Symptomatology and Caregiver Burden in Partners of LVAD Patients. Journal of Heart and Lung Transplantation, 2015, 34, S23-S24.	0.6	1

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73	Load Balancing With EV Chargers and PV Inverters in Unbalanced Distribution Grids. IEEE Transactions on Sustainable Energy, 2015, 6, 635-643.	8.8	165
74	Active participation of wind power in operating reserves. IET Renewable Power Generation, 2015, 9, 566-575.	3.1	18
75	Reactive power support in residential LV distribution grids through electric vehicle charging. Sustainable Energy, Grids and Networks, 2015, 3, 24-35.	3.9	64
76	MatLVDC: A new open source Matlab toolbox to simulate DC networks including power electronic converters and distributed energy resources. , 2015, , .		2
77	Voltage regulation strategies for flemish LV distribution grids utilizing single-phase PV inverters. , 2015, , .		3
78	Wide input range high step-up converter for PV application. , 2015, , .		0
79	Transient analysis of low voltage DC grids with high penetration of DERs. , 2015, , .		1
80	A Quantitative Method to Determine ICT Delay Requirements for Wide-Area Power System Damping Controllers. IEEE Transactions on Power Systems, 2015, 30, 2023-2030.	6.5	20
81	Effect of the Electrical Energy Conversion on Optimal Cycles for Pumping Airborne Wind Energy. IEEE Transactions on Sustainable Energy, 2015, 6, 2-10.	8.8	22
82	Grid Impact Indicators for Active Building Simulations. IEEE Transactions on Sustainable Energy, 2015, 6, 43-50.	8.8	30
83	PMSM Drive Current and Voltage Limiting as a Constraint Optimal Control Problem. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2015, 3, 326-338.	5.4	90
84	Primary and Secondary Frequency Support by a Multi-Agent Demand Control System. IEEE Transactions on Power Systems, 2015, 30, 1394-1404.	6.5	78
85	Power smoothing in large wind farms using optimal control of rotating kinetic energy reserves. Wind Energy, 2015, 18, 1777-1791.	4.2	25
86	Meltpool deformation by magnetic pressure: analytical and experimental approach. Magnetohydrodynamics, 2015, 51, 105-120.	0.3	1
87	Coordinated voltage control scheme for Flemish LV distribution grids utilizing OLTC transformers and D-STATCOM's., 2014,,.		9
88	Smoothing turbulence-induced power fluctuations in large wind farms by optimal control of the rotating kinetic energy of the turbines. Journal of Physics: Conference Series, 2014, 524, 012187.	0.4	1
89	Reducing grid losses and voltage unbalance with PV inverters. , 2014, , .		22
90	Solar Energy Resource Assessment of the Geba Catchment, Northern Ethiopia. Energy Procedia, 2014, 57, 1266-1274.	1.8	15

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91	Gain scheduling control of a bidirectional dc–dc converter with large deadâ€time. IET Power Electronics, 2014, 7, 480-488.	2.1	12
92	Design of an intra-module DC-DC converter for PV application: Design considerations and prototype. , 2014, , .		4
93	Dynamic operating reserve strategies for wind power integration. IET Renewable Power Generation, 2014, 8, 598-610.	3.1	26
94	Modeling the dynamics of a DC distribution grid integrated of renewable energy sources. , 2014, , .		7
95	Variable speed genset with full rated power converter using readily available industrial products. , 2014, , .		4
96	Multiagent Charging of Electric Vehicles Respecting Distribution Transformer Loading and Voltage Limits. IEEE Transactions on Smart Grid, 2014, 5, 2857-2867.	9.0	67
97	Impact of Electric Vehicle On-Board Single-Phase Charging Strategies on a Flemish Residential Grid. IEEE Transactions on Smart Grid, 2014, 5, 1815-1822.	9.0	115
98	Electric Vehicle Charging in an Office Building Microgrid With Distributed Energy Resources. IEEE Transactions on Sustainable Energy, 2014, 5, 1389-1396.	8.8	143
99	Design Criteria for Electric Vehicle Fast Charge Infrastructure Based on Flemish Mobility Behavior. IEEE Transactions on Smart Grid, 2014, 5, 320-327.	9.0	57
100	Optimal ZVS Modulation of Single-Phase Single-Stage Bidirectional DAB AC–DC Converters. IEEE Transactions on Power Electronics, 2014, 29, 3954-3970.	7.9	340
101	Optimal Control of Traction Motor Drives Under Electrothermal Constraints. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2014, 2, 249-263.	5.4	112
102	Generic circuit partitioning method for efficient simulation of modular multilevel converter topologies. , 2014, , .		0
103	Apartment Building Electricity System Impact of Operational Electric Vehicle Charging Strategies. IEEE Transactions on Sustainable Energy, 2014, 5, 264-272.	8.8	67
104	Combined Central and Local Active and Reactive Power Control of PV Inverters. IEEE Transactions on Sustainable Energy, 2014, 5, 776-784.	8.8	212
105	Modelica Library for Building and Low-Voltage Electrical AC and DC Grid Modeling. , 2014, , .		2
106	Grid and Fleet Impact Mapping of EV Charge Opportunities. Advances in Data Mining and Database Management Book Series, 2014, , 364-390.	0.5	0
107	Optimal analytic LCL filter design for grid-connected voltage-source converter. , 2013, , .		6
108	Effect of soiling on photovoltaic modules. Solar Energy, 2013, 96, 283-291.	6.1	180

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109	Efficiency improvement of a high dynamic BLDC linear motor by multiphase control., 2013,,.		1
110	LS-SVM-based on-load tap changer control for distribution networks with rooftop PV's., 2013,,.		7
111	Dynamic DC-link voltage adaptation for thermal management of traction drives. , 2013, , .		35
112	Impact of current ripple on Li-ion battery ageing. , 2013, , .		20
113	Developing engineering-oriented educational workshops within a student branch. , 2013, , .		0
114	A Profile-Based Identification of Standby and Useless Electricity Consumption in Buildings. , 2013, , .		0
115	Optimal frequency support by dynamic demand. , 2013, , .		7
116	Ideas for Tomorrow: New Tools for Integrated Building and District Modeling. IEEE Power and Energy Magazine, 2013, 11, 75-81.	1.6	20
117	Revision of reserve requirements following wind power integration in island power systems. Renewable Energy, 2013, 50, 268-279.	8.9	30
118	Multiobjective Battery Storage to Improve PV Integration in Residential Distribution Grids. IEEE Transactions on Sustainable Energy, 2013, 4, 182-191.	8.8	313
119	Reducing power gradients in large-scale wind farms by optimal active power control., 2013,,.		2
120	Charge-based ZVS soft switching analysis of a single-stage dual active bridge AC-DC converter., 2013,,.		39
121	Assessment of Voltage Sag Indices Based on Scaling and Wavelet Coefficient Energy Analysis. IEEE Transactions on Power Delivery, 2013, 28, 336-346.	4.3	83
122	Impact of wind power on sizing and allocation of reserve requirements. IET Renewable Power Generation, 2013, 7, 1-9.	3.1	59
123	Optimal real-time pricing for unbalanced distribution grids with network constraints. , 2013, , .		11
124	Multiobjective battery storage to improve PV integration in residential distribution grids. , 2013, , .		140
125	Multi-objective design of a close-coupled inductor for a three-phase interleaved 140kW DC-DC converter. , 2013, , .		3
126	Component improvements in the electrification of passenger vehicles drivetrains. , 2013, , .		2

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127	Constrained PV penetration level in LV distribution networks based on the voltage operational margin. , $2013, \ldots$		2
128	Real-time control for services provided by battery energy storage systems in a residential low voltage grid with a large amount of PV. , 2013 , , .		2
129	Assessment of voltage sag indices based on scaling and wavelet coefficient energy analysis. , 2013, , .		0
130	Phase switching and phase balancing to cope with a massive photovoltaic penetration., 2013,,.		9
131	Multi-objective optimization of a flash lamp drive. , 2013, , .		1
132	Development of an open-source smart energy house for K-12 education., 2013,,.		3
133	Implementation of a digital directional Fault Passage Indicator. , 2013, , .		2
134	Distributed residential load control of binary behaving loads. , 2013, , .		2
135	Standardization of conductive AC charging infrastructure for electric vehicles. , 2013, , .		5
136	Grid impact of voltage control and reactive power support by wind turbines equipped with direct-drive synchronous machines. , 2013 , , .		0
137	Electric and magnetic fields of two infinitely long parallel cylindrical conductors carrying a DC current. EPJ Applied Physics, 2013, 64, 24515.	0.7	5
138	Introducing smart grids in Flanders: The Linear project. , 2012, , .		0
139	Damping controller design of TCSC based on wide-area monitoring and supplement torque components. , 2012, , .		1
140	Basic sensitivity analysis of conversion losses in a DC microgrid. , 2012, , .		16
141	Frequency support by wind power plants in isolated grids with varying generation mix. , 2012, , .		17
142	Voltage droop charging of electric vehicles in a residential distribution feeder. , 2012, , .		30
143	Synchronization and efficiency analysis of a direct-drive multi-motor application. , 2012, , .		11
144	Accurately modelling of parasitics in power electronics circuits using an easy RLC-extraction method. , 2012, , .		1

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145	Fault-tolerant topology of a grid-connected PV inverter coupled by a Scott transformer. , 2012, , .		8
146	Grid Impact of Voltage Control and Reactive Power Support by Wind Turbines Equipped With Direct-Drive Synchronous Machines. IEEE Transactions on Sustainable Energy, 2012, 3, 890-898.	8.8	33
147	Direct Power Control of Series Converter of Unified Power-Flow Controller With Three-Level Neutral Point Clamped Converter. IEEE Transactions on Power Delivery, 2012, 27, 1772-1782.	4.3	35
148	The effect of dust deposition on photovoltaic modules. , 2012, , .		40
149	Parameter identification of unknown radial grids for theft detection. , 2012, , .		23
150	A case study of coordinated electric vehicle charging for peak shaving on a low voltage grid., 2012,,.		30
151	LV distribution network feeders in Belgium and power quality issues due to increasing PV penetration levels. , 2012 , , .		39
152	Electrification of trucks and buses in an urban environment through continuous charging. , 2012, , .		2
153	A novel voltage clamp circuit for the measurement of transistor dynamic on-resistance. , 2012, , .		8
154	Event-driven simulation of power electronics in the complementarity systems framework. , 2012, , .		3
155	Thermal management in traction applications as a constraint optimal control problem. , 2012, , .		16
156	Power electronics for electric vehicles: A student laboratory platform. , 2012, , .		7
157	Fault-tolerant operation of power converters in PHEVs coupled by a Scott transformer., 2012, , .		1
158	Assessing electrical bottlenecks at feeder level for residential net zero-energy buildings by integrated system simulation. Applied Energy, 2012, 96, 74-83.	10.1	171
159	Thermal effects due to environmental variables in photovoltaic cells. , 2012, , .		0
160	Comparative evaluation of soft-switching, bidirectional, isolated AC/DC converter topologies. , 2012, , .		34
161	Switching control strategy for full ZVS soft-switching operation of a Dual Active Bridge AC/DC converter., 2012,,.		53
162	An Electromagnetic Circuit Simulator for Power Electronics. IEEE Transactions on Magnetics, 2012, 48, 799-802.	2.1	3

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163	Electric vehicle impact assessment study based on data-logged vehicle and driver behavior., 2011,,.		3
164	Effectiveness of TCSC controllers using remote input signals for transient stability enhancement. , 2011, , .		6
165	Switching control strategy to extend the ZVS operating range of a Dual Active Bridge AC/DC converter. , $2011, \ldots$		29
166	Grid impact indicators for active building simulation. , 2011, , .		18
167	Analysis of the optimal battery sizing for plug-in hybrid and battery electric vehicles on the power consumption and V2G availability. , 2011 , , .		5
168	A 96% Efficient High-Frequency DC–DC Converter Using E-Mode GaN DHFETs on Si. IEEE Electron Device Letters, 2011, 32, 1370-1372.	3.9	49
169	Linking nanotechnology to gigawatts: Creating building blocks for smart PV modules. Progress in Photovoltaics: Research and Applications, 2011, 19, 772-780.	8.1	9
170	Assessment of imbalance settlement exemptions for offshore wind power generation in Belgium. Energy Policy, 2011, 39, 1486-1494.	8.8	12
171	The impact of vehicle-to-grid on the distribution grid. Electric Power Systems Research, 2011, 81, 185-192.	3.6	348
172	Circuits and systems engineering education through interdisciplinary team-based design projects. , 2011, , .		10
173	Comparative analysis of coordination strategies for electric vehicles. , 2011, , .		32
174	Electricity supply, irregularities, and the prospect for solar energy and energy sustainability in Sub-Saharan Africa. Journal of Renewable and Sustainable Energy, 2010, 2, .	2.0	15
175	lso efficiency contours as a concept to characterize variable speed drive efficiency., 2010,,.		18
176	Influence of power control strategies on the voltage profile in an islanded microgrid., 2010,,.		1
177	Financial implications of imbalance settlement exemptions for wind power generators. , 2010, , .		1
178	Impact of wind turbines equipped with doubly-fed induction generators on distance relaying. , 2010, , .		19
179	Direct power control for Universal Power Flow Controller series converter., 2010,,.		3
180	Adaptive control scheme for a practical bidirectional DC-DC converter with a 80 kHz switching and a 10 kHz sampling frequency. , 2010, , .		2

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181	Fast robust gate-drivers with easily adjustable voltage ranges for driving normally-on wide-bandgap power transistors. , 2010 , , .		7
182	Integration of energy storage in distribution grids. , 2010, , .		26
183	Impact-analysis of the charging of plug-in hybrid vehicles on the production park in Belgium. , 2010, , .		40
184	The Impact of Charging Plug-In Hybrid Electric Vehicles on a Residential Distribution Grid. IEEE Transactions on Power Systems, 2010, 25, 371-380.	6.5	2,213
185	Predictive Direct Torque Control for Flux and Torque Ripple Reduction. IEEE Transactions on Industrial Electronics, 2010, 57, 404-412.	7.9	190
186	Power Processing Circuits for Piezoelectric Vibration-Based Energy Harvesters. IEEE Transactions on Industrial Electronics, 2010, 57, 4170-4177.	7.9	68
187	Numerical observability analysis of distribution systems. , 2010, , .		10
188	Transient stability enhancement by TCSC controllers using remote input signals. , 2010, , .		3
189	A high-efficiency, high-frequency boost converter using enhancement mode GaN DHFETs on silicon. , 2010, , .		27
190	Asymmetric reserve power delivered by large wind power plants. , 2010, , .		5
191	Balancing management mechanisms for intermittent power sources & amp; $\#x2014$; A case study for wind power in Belgium., 2009,,.		6
192	Stochastic analysis of the impact of plug-in hybrid electric vehicles on the distribution grid., 2009,,.		44
193	Spatial hyperspectral image classification by prior segmentation. , 2009, , .		3
194	Multi-objective planning framework for stochastic and controllable distributed energy resources. IET Renewable Power Generation, 2009, 3, 227.	3.1	83
195	Layout and performance of the power electronic converter platform for the VSYNC project., 2009,,.		35
196	A Probabilistic Formulation of Load Margins in Power Systems With Stochastic Generation. IEEE Transactions on Power Systems, 2009, 24, 951-958.	6.5	89
197	Coordinated charging of multiple plug-in hybrid electric vehicles in residential distribution grids. , 2009, , .		245
198	Comparison of three-level torque hysteresis controllers for direct torque control., 2009,,.		2

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199	Possible applications of plug-in hybrid electric ships. , 2009, , .		22
200	Opportunities for active DER management in deferral of distribution system reinforcements. , 2009, , .		19
201	Applying Markov chains for the determination of the capacity credit of wind power. , 2009, , .		8
202	Modelling earthing systems and cables with moment methods. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2009, 28, 989-1004.	0.9	2
203	Single-institution experience with inter-hospital extracorporeal membrane oxygenation transport: A descriptive study*. Pediatric Critical Care Medicine, 2009, 11 , 1 .	0.5	51
204	Case-study of an Educational Engineering Project: a Series Hybrid Electric Kart. J3eA, 2009, 8, 1026.	0.0	2
205	Parameter Sensitivity and Measurement Uncertainty Propagation in Torque-Estimation Algorithms for Induction Machines. IEEE Transactions on Instrumentation and Measurement, 2008, 57, 2727-2732.	4.7	29
206	Power processing circuits for vibration-based energy harvesters. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	14
207	Design, construction and control of a quasi-resonant SMPS working at 2 MHz, 2008, , .		0
208	Virtual synchronous generators. , 2008, , .		530
209	Design for distributed energy resources. IEEE Power and Energy Magazine, 2008, 6, 30-40.	1.6	227
210	State estimation in distribution grids. , 2008, , .		28
211	Power quality in transmission grids: Guaranteed standards for power plants in France and the United Kingdom. , 2008, , .		2
212	Application of an electromagnetic modeling method for railway grounding systems subjected to lightning strikes. , 2008, , .		0
213	Reliability analysis of a torque estimation model. , 2008, , .		0
214	A Hybrid Electric Kart with Energy Flow Management as a Student Project. , 2008, , .		2
215	Prediction-based ripple reduction in Direct Torque Control of an induction machine. , 2008, , .		5
216	Power quality in transmission grids: Guaranteed standards for consumers in France, UK and the Netherlands. , 2008, , .		0

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217	Layered control structure for high-frequency control in drive applications. , 2008, , .		O
218	A Robust Semantic Overlay Network for Microgrid Control Applications. Lecture Notes in Computer Science, 2008, , 101-123.	1.3	15
219	Validation of electromagnetic-thermal coupled modelling of levitation melting. , 2008, , .		1
220	High Frequency Analysis of a Switching Mode Power Supply. , 2007, , .		1
221	Energy Scavengers: Modeling and Behavior with Different Load Circuits., 2007,,.		6
222	Micropower generation with microgasturbines: A challenge. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2007, 221, 489-500.	2.1	19
223	The Application of Versatile Power Electronic Inverters in Lab-Scale Microgrids. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	1
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