Jon C Clare

List of Publications by Year
in descending order

323 papers	11,141 citations	31976 53 h-index	37204 96 g-index
324 all docs	324 docs citations	324 times ranked	4966 citing authors

#	Article	IF	Citations
1	A Push–Pull Series Connected Modular Multilevel Converter for HVdc Applications. IEEE Transactions on Power Electronics, 2022, 37, 3111-3129.	7.9	19
2	Continuous Set Model Predictive Control for Energy Management of Modular Multilevel Matrix Converters. IEEE Transactions on Power Electronics, 2022, 37, 5731-5748.	7.9	8
3	Cyber-Attacks in Modular Multilevel Converters. IEEE Transactions on Power Electronics, 2022, 37, 8488-8501.	7.9	21
4	Research and Realization of High-Power Medium-Voltage Active Rectifier Concepts for Future Hybrid-Electric Aircraft Generation. IEEE Transactions on Industrial Electronics, 2021, 68, 11684-11695.	7.9	16
5	Experimental Validation of a Nested Control System to Balance the Cell Capacitor Voltages in Hybrid MMCs. IEEE Access, 2021, 9, 21965-21985.	4.2	6
6	The Alternate Arm Converter "Extended-Overlap" Mode: AC Faults. IEEE Transactions on Power Electronics, 2021, 36, 5371-5388.	7.9	7
7	Circulating Current Control for the Modular Multilevel Matrix Converter Based on Model Predictive Control. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 6069-6085.	5.4	15
8	4-MW Class High-Power-Density Generator for Future Hybrid-Electric Aircraft. IEEE Transactions on Transportation Electrification, 2021, 7, 2952-2964.	7.8	49
9	Control and Experimental Validation of the Series Bridge Modular Multilevel Converter for HVDC Applications. IEEE Transactions on Power Electronics, 2020, 35, 2389-2401.	7.9	21
10	Series Chain-Link Modular Multilevel AC–DC Converter (SCC) for HVDC Applications. IEEE Transactions on Power Electronics, 2020, 35, 5714-5728.	7.9	10
11	A Hybrid Chain-Link Push-Pull Series Connected (H-CL-P2SC) M2C with DC Fault Blocking Capability. , 2020, , .		0
12	A Series Chain-Link Modular Multilevel DC-DC Converter For High Voltage and High Power Applications. , 2020, , .		2
13	A Leakage-Inductance-Tolerant Commutation Strategy for Isolated AC/AC Converters. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 467-479.	5.4	17
14	A Three-Phase Modular Isolated Matrix Converter. IEEE Transactions on Power Electronics, 2019, 34, 11760-11773.	7.9	19
15	A Design Methodology of Multiresonant Controllers for High Performance 400 Hz Ground Power Units. IEEE Transactions on Industrial Electronics, 2019, 66, 6549-6559.	7.9	16
16	Geometrical visualisation of indirect space vector modulation for matrix converters operating with abnormal supplies. IET Power Electronics, 2019, 12, 4023-4033.	2.1	7
17	Vector Control of a Modular Multilevel Matrix Converter Operating Over the Full Output-Frequency Range. IEEE Transactions on Industrial Electronics, 2019, 66, 5102-5114.	7.9	33
18	An Integrated Converter and Machine Control System for MMC-Based High-Power Drives. IEEE Transactions on Industrial Electronics, 2019, 66, 2343-2354.	7.9	33

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19	The Alternate Arm Converter (AAC)â€"â€œShort-Overlapâ€•Mode Operationâ€"Analysis and Design Parameter Selection. IEEE Transactions on Power Electronics, 2018, 33, 5641-5659.	7.9	40
20	A Unidirectional Flying Chain-link Modular Multilevel Rectifier (FCL-MMR) with Reduced Energy Storage for Offshore Wind Integration. , 2018, , .		1
21	Modular Multilevel Converter Grid Interface for Klystron Modulators: An Augmented Modulation Scheme for Arm Balancing. IEEE Transactions on Plasma Science, 2018, 46, 3325-3333.	1.3	3
22	Arm-Balancing Control and Experimental Validation of a Grid-Connected MMC With Pulsed DC Load. IEEE Transactions on Industrial Electronics, 2017, 64, 9180-9190.	7.9	16
23	An Enhanced dq-Based Vector Control System for Modular Multilevel Converters Feeding Variable-Speed Drives. IEEE Transactions on Industrial Electronics, 2017, 64, 2620-2630.	7.9	62
24	Control of Wind Energy Conversion Systems Based on the Modular Multilevel Matrix Converter. IEEE Transactions on Industrial Electronics, 2017, 64, 8799-8810.	7.9	94
25	Quasi Z-source NPC inverter for PV application. , 2017, , .		6
26	A Simplified Space-Vector Modulation Algorithm for Four-Leg NPC Converters. IEEE Transactions on Power Electronics, 2017, 32, 8371-8380.	7.9	20
27	A New Space-Vector-Modulation Algorithm for a Three-Level Four-Leg NPC Inverter. IEEE Transactions on Energy Conversion, 2017, 32, 23-35.	5.2	32
28	A study on probability of distribution loads based on expectation maximization algorithm. , 2017, , .		8
29	Experimental comparison of devices thermal cycling in direct matrix converters (DMC) and Indirect Matrix Converters (IMC) using SiC MOSFETs. , 2016, , .		2
30	Control of a modular multilevel converter with pulsed DC load. , 2016, , .		2
31	Optimized resonant pulsed power supplies with deadbeat â€" Repetitive regulation. , 2016, , .		0
32	Vector control of an open-ended winding induction machine based on a two-output indirect matrix converter. EPE Journal (European Power Electronics and Drives Journal), 2016, 26, 104-112.	0.7	1
33	Operation of a hybrid modular multilevel converter during grid voltage unbalance. IET Generation, Transmission and Distribution, 2016, 10, 3102-3110.	2.5	18
34	Design and implementation of magnetron power supply and emulator. , 2016, , .		5
35	The Series Bridge Converter (SBC): A hybrid modular multilevel converter for HVDC applications. , 2016, , .		16
36	Modulation strategies for an open-end winding induction machine fed by a two-output indirect matrix converter. Mathematics and Computers in Simulation, 2016, 130, 95-111.	4.4	3

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37	Experimental Efficiency Comparison Between a Direct Matrix Converter and an Indirect Matrix Converter Using Both Si IGBTs and SiC <sc>mosfet</sc>s. IEEE Transactions on Industry Applications, 2016, 52, 4135-4145.	4.9	41
38	Robustness Analysis and Experimental Validation of a Fault Detection and Isolation Method for the Modular Multilevel Converter. IEEE Transactions on Power Electronics, 2016, 31, 3794-3805.	7.9	142
39	Open-End Winding Induction Machine Fed by a Dual-Output Indirect Matrix Converter. IEEE Transactions on Industrial Electronics, 2016, 63, 4118-4128.	7.9	24
40	Resonant control system for low‐voltage ride‐through in wind energy conversion systems. IET Power Electronics, 2016, 9, 1297-1305.	2.1	42
41	Hybrid HVDC circuit breaker with self‐powered gate drives. IET Power Electronics, 2016, 9, 228-236.	2.1	19
42	Resonant control system for a 7-leg back-to-back converter for interfacing variable speed generators to 4-wire loads. , 2015, , .		2
43	Multiobjective Modulated Model Predictive Control for a Multilevel Solid-State Transformer. IEEE Transactions on Industry Applications, 2015, 51, 4051-4060.	4.9	71
44	Self-Tuning Resonant Control of a Seven-Leg Back-to-Back Converter for Interfacing Variable-Speed Generators to Four-Wire Loads. IEEE Transactions on Industrial Electronics, 2015, 62, 4618-4629.	7.9	23
45	Control of a grid connected modular multilevel converter under pulsed DC load. , 2015, , .		2
46	Power electronic converters for HVDC renewable energy applications. , 2015, , .		4
47	Experimental Comparison of a Direct Matrix Converter Using Si IGBT and SiC MOSFETs. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2015, 3, 542-554.	5.4	32
48	Control of a hybrid modular multilevel converter during grid voltage unbalance. , 2015, , .		5
49	Fast Convergence Delayed Signal Cancellation Method for Sequence Component Separation. IEEE Transactions on Power Delivery, 2015, 30, 2055-2057.	4.3	34
50	Grid Parameter Estimation Using Model Predictive Direct Power Control. IEEE Transactions on Industry Applications, 2015, 51, 4614-4622.	4.9	57
51	Open-Circuit Fault Detection and Diagnosis in Matrix Converters. IEEE Transactions on Power Electronics, 2015, 30, 2840-2847.	7.9	100
52	Modulated Model Predictive Control for a Three-Phase Active Rectifier. IEEE Transactions on Industry Applications, 2015, 51, 1610-1620.	4.9	210
53	Detection and isolation of multiple faults in a modular multilevel converter based on a sliding mode observer. , 2014, , .		13
54	3‐Phase 4‐wire matrix converter‐based voltage sag/swell generator to test low‐voltage ride through in wind energy conversion systems. IET Power Electronics, 2014, 7, 3116-3125.	2.1	12

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55	Finite Set Model Predictive Control with a novel online grid inductance estimation technique. , 2014, , .		2
56	Integrated grid inductance estimation technique for finite control set model predictive control in grid connected converters. , 2014, , .		5
57	A phase locked loop system for soft switching tracking of resonant power converters in high voltage, high power RF applications. , 2014, , .		3
58	Optimal power system and grid interface design considerations for the CLICs klystron modulators. , 2014, , .		4
59	DC side ripple cancellation in a cascaded multi-level topology for automotive applications. , 2014, , .		4
60	Resonant converter based modulator control for magnetron with variable load. , 2014, , .		1
61	Improving power quality with multi-objective modulated model predictive control. , 2014, , .		4
62	Active DC Voltage Balancing PWM Technique for High-Power Cascaded Multilevel Converters. IEEE Transactions on Industrial Electronics, 2014, 61, 6157-6167.	7.9	59
63	Modulated Model Predictive Control for a Seven-Level Cascaded H-Bridge Back-to-Back Converter. IEEE Transactions on Industrial Electronics, 2014, 61, 5375-5383.	7.9	194
64	Repetitive Control for High-Performance Resonant Pulsed Power Supply in Radio Frequency Applications. IEEE Transactions on Industry Applications, 2014, 50, 2660-2670.	4.9	20
65	DC fault ride–through capability and STATCOM operation of a HVDC hybrid voltage source converter. IET Generation, Transmission and Distribution, 2014, 8, 114-120.	2.5	27
66	Control strategy of a dual-inverter system for an open-end winding induction machine based on indirect matrix converter. , 2014, , .		4
67	Power conversion for a novel AC/DC aircraft electrical distribution system. IET Electrical Systems in Transportation, 2014, 4, 29-37.	2.4	15
68	Control of an open-end winding induction machine via a two-output indirect matrix converter. , 2014, , .		2
69	Indirect matrix converter modulation strategies for open-end winding induction machine. IEEE Latin America Transactions, 2014, 12, 395-401.	1.6	16
70	Control of a wind generation system based on a Brushless Doubly-Fed Induction Generator fed by a matrix converter. Electric Power Systems Research, 2013, 103, 49-60.	3.6	29
71	Switching strategies for an indirect matrix converter fed open-end load. , 2013, , .		7
72	A Cascade Multilevel Frequency Changing Converter for High-Power Applications. IEEE Transactions on Industrial Electronics, 2013, 60, 2118-2130.	7.9	42

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73	A repetitive control system for four-leg matrix converters feeding non-linear loads. Electric Power Systems Research, 2013, 104, 18-27.	3.6	17
74	A Hybrid Modular Multilevel Voltage Source Converter for HVDC Power Transmission. IEEE Transactions on Industry Applications, 2013, 49, 1577-1588.	4.9	133
75	Space-vector-modulated three-level Z-source hybrid direct AC-AC power converter. , 2013, , .		3
76	Development and investigation of two optimized soft switching pulsed power resonant converters for RF applications. , 2013, , .		1
77	Performance evaluation of 3-phase buck-type PWM rectifiers with integratted and symmetrical Boost converter using SiC MOSFETS for aircraft application. , 2013, , .		1
78	Space-Vector-Modulated Three-Level Inverters With a Single Z-Source Network. IEEE Transactions on Power Electronics, 2013, 28, 2806-2815.	7.9	91
79	Technological Issues and Industrial Application of Matrix Converters: A Review. IEEE Transactions on Industrial Electronics, 2013, 60, 4260-4271.	7.9	299
80	Optimization of Switching Losses and Capacitor Voltage Ripple Using Model Predictive Control of a Cascaded H-Bridge Multilevel StatCom. IEEE Transactions on Power Electronics, 2013, 28, 3077-3087.	7.9	120
81	Fault Detection for Modular Multilevel Converters Based on Sliding Mode Observer. IEEE Transactions on Power Electronics, 2013, 28, 4867-4872.	7.9	300
82	State-space switching model of modular multilevel converters. , 2013, , .		4
83	Modulated model predictve control (M<sup>2</sup>PC) for a 3-phase active front-end. , 2013, , .		15
84	Open-circuit fault detection and isolation for modular multilevel converter based on sliding mode observer. , 2013, , .		21
85	An overlapping multi-hexagon space vector modulation scheme for modular multilevel cascade converters. , 2013, , .		5
86	Common mode voltage and zero sequence current reduction in an open-end load fed by a two output indirect matrix converter. , 2013, , .		8
87	A comparison between dead-beat and predictive control for a 7-level back-to-back Cascaded H-Bridge under fault conditions. , 2013, , .		11
88	An overview of the more electrical aircraft. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2013, 227, 578-585.	1.3	63
89	Predictive control of a direct resonant converter with output voltage compensation for high voltage DC power supply applications. , 2013, , .		3
90	Optimization and comparison of two soft switched high voltage converter modulator topologies. , 2013, , .		0

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91	Experimental validation of a parallel hybrid modular multilevel voltage source converter for HVDC transmission. , 2013, , .		30
92	A new predictive control method for cascaded multilevel converters with intrinsic modulation scheme. , 2013, , .		28
93	Grid interface challenges and candidate solutions for the Compact Linear Collider's (CLIC) klystron modulators. , 2013, , .		5
94	A sub-module capacitor voltage balancing scheme for the Alternate Arm Converter (AAC). , 2013, , .		27
95	Matrix converter clamp current reconstruction for fault detection. , 2012, , .		2
96	Comparison of predictive control strategies for direct resonant high voltage DC power supply. , 2012, , .		7
97	Analysis and Experimental Validation of Control Systems for Four-Leg Matrix Converter Applications. IEEE Transactions on Industrial Electronics, 2012, 59, 141-153.	7.9	30
98	Automated Optimal Design of Input Filters for Direct AC/AC Matrix Converters. IEEE Transactions on Industrial Electronics, 2012, 59, 2811-2823.	7.9	64
99	Assessing the Benefits of Hybrid Cycloconverters. IEEE Transactions on Industrial Electronics, 2012, 59, 47-57.	7.9	3
100	HF induction motor modeling using automated experimental impedance measurement matching. IEEE Transactions on Industrial Electronics, 2012, 59, 3789-3796.	7.9	39
101	Optimal switching pattern for space vector modulated Z-source NPC inverter. , 2012, , .		1
102	4-leg matrix converter interface for a variable-speed diesel generation system. , 2012, , .		4
103	A Novel Pulse Width Modulation technique with active DC voltage balancing and device voltage falls compensation for High-Power Cascaded multilevel active rectifiers. , 2012, , .		8
104	Cell capacitor voltage control in a parallel hybrid modular multilevel voltage source converter for HVDC applications. , 2012, , .		13
105	Regeneration of energy onto an aircraft electrical power system from an electro-mechanical actuator. , 2012, , .		10
106	Modelling of a resonant converter with a synchronous current doubler rectifier for DC magnet power supplies. , 2012, , .		1
107	Droop compensation with soft switching for High Voltage Converter Modulator (HVCM). , 2012, , .		4
108	Performance evaluation of high-voltage 1.2â€¦kV silicon carbide metal oxide semi-conductor field effect transistors for three-phase buck-type PWM rectifiers in aircraft applications. IET Power Electronics, 2012, 5, 1873-1881.	2.1	36

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109	Distributed commutations pulse-width modulation technique for high-power AC/DC multi-level converters. IET Power Electronics, 2012, 5, 909-919.	2.1	34
110	Capacitor Clamped Multilevel Matrix Converter Space Vector Modulation. IEEE Transactions on Industrial Electronics, 2012, 59, 105-115.	7.9	46
111	Fault location in matrix converters using low frequency modulation matrices for SVM based modulation techniques. , 2012, , .		1
112	Research on the Amplitude Coefficient for Multilevel Matrix Converter Space Vector Modulation. IEEE Transactions on Power Electronics, 2012, 27, 3544-3556.	7.9	24
113	Voltage balancing characteristics for a cascaded H-bridge multi-level StatCom employing space vector modulation. , 2012, , .		7
114	An improved dead-beat current control for cascaded H-bridge active rectifier with low switching frequency. , 2012, , .		7
115	The Application of Resonant Controllers to Four-Leg Matrix Converters Feeding Unbalanced or Nonlinear Loads. IEEE Transactions on Power Electronics, 2012, 27, 1120-1129.	7.9	63
116	DC fault ride-through capability and STATCOM operation of a hybrid voltage source converter arrangement for HVDC power transmission and reactive power compensation. , 2012, , .		16
117	Multi carrier PWM of the modular multilevel VSC for medium voltage applications. , 2012, , .		14
118	Modelling and control of a zero current switching high-voltage resonant converter power supply for radio frequency sources. IET Power Electronics, 2012, 5, 401.	2.1	10
119	High-Efficiency High-Reliability Pulsed Power Converters for Industrial Processes. IEEE Transactions on Power Electronics, 2012, 27, 37-45.	7.9	30
120	Control of a matrix converter for the operation of autonomous systems. Renewable Energy, 2012, 43, 343-353.	8.9	22
121	Common Mode Voltage Cancellation in a Buck-Type Active Front-End Rectifier Topology. Journal of Power Electronics, 2012, 12, 276-284.	1.5	1
122	Enabling technologies for matrix converters in aerospace applications. , 2011, , .		16
123	Analytical and Experimental Evaluation of a WECS Based on a Cage Induction Generator Fed by a Matrix Converter. IEEE Transactions on Energy Conversion, 2011, 26, 204-215.	5.2	39
124	The effect of space vector modulation on capacitor voltage ripple in a cascaded H-bridge StatCom. , 2011, , .		1
125	Control of a Doubly Fed Induction Generator via an Indirect Matrix Converter With Changing DC Voltage. IEEE Transactions on Industrial Electronics, 2011, 58, 4664-4674.	7.9	79
126	Experimental Validation of a Space-Vector-Modulation Algorithm for Four-Leg Matrix Converters. IEEE Transactions on Industrial Electronics, 2011, 58, 1282-1293.	7.9	57

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127	Power flow analysis in electro-mechanical actuators for civil aircraft. IET Electric Power Applications, 2011, 5, 48.	1.8	17
128	Advanced Power Electronic Conversion and Control System for Universal and Flexible Power Management. IEEE Transactions on Smart Grid, 2011, 2, 231-243.	9.0	338
129	High performance pulsed power resonant converter for radio frequency applications. , 2011, , .		2
130	Control technique for power device electro-thermal stress minimisation in non-linear load variable-frequency resonant power converters. Microelectronics Reliability, 2010, 50, 1738-1743.	1.7	0
131	Nonlinear development of matrix-converter instabilities. Journal of Engineering Mathematics, 2010, 67, 241-259.	1.2	5
132	An Electromechanically Actuated Nose Landing Gear Using a Dual-Output Motor Control Unit. , 2010, , .		0
133	A modulation technique for high power AC/DC multilevel converters for power system integration. , 2010, , .		9
134	A hybrid voltage source converter arrangement for HVDC power transmission and reactive power compensation. , 2010, , .		24
135	Input filter pre-charge scheme for high power PWM-CSRs connected to a weak utility supply. , 2010, , .		2
136	Control and implementation of a high voltage series resonant power supply for industrial electrostatic precipitators. , 2010, , .		6
137	Sliding mode observation of capacitor voltage in multilevel power converters. , 2010, , .		9
138	Experimental evolution of the multi-drive system based on two-stage direct power converter topology. , 2010, , .		5
139	Design considerations for a high voltage compact power transformer. , 2010, , .		2
140	A low loss modular multilevel voltage source converter for HVDC power transmission and reactive power compensation. , 2010, , .		22
141	Predictive control for universal and flexible power management. , 2010, , .		6
142	High voltage high frequency power transformer for pulsed power application. , 2010, , .		21
143	Experimental validation of a space vector modulation method for a 4-leg matrix converter. , 2010, , .		2
144	Resonant controllers for 4-leg matrix converters. , 2010, , .		9

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145	A space vector modulation algorithm for 4-leg matrix converters. , 2010, , .		5
146	Comparison of Stray Load and Inverter-Induced Harmonic Losses in Induction Motors Using Calorimetric and Harmonic Injection Methods. IEEE Transactions on Industry Applications, 2010, 46, 249-255.	4.9	27
147	A 100kV switch mode series resonant power supply for industrial electrostatic precipitators. , 2010, , .		4
148	Modular high power converter topologies. , 2010, , .		2
149	Active Stator Variable Speed Drive: 120 kW DC-fed demonstrator. , 2010, , .		1
150	A Theoretical Analysis of the Harmonic Content of PWM Waveforms for Multiple-Frequency Modulators. IEEE Transactions on Power Electronics, 2010, 25, 131-141.	7.9	45
151	HF induction motor modeling using genetic algorithms and experimental impedance measurement. , 2010, , .		8
152	An improved resonant converter for long-pulse generation in high-energy physics applications. , 2010, , .		2
153	A control scheme for two doubly fed induction machines fed by indirect matrix converter. , 2010, , .		2
154	Control of a Doubly-fed Induction Generator with an Indirect Matrix Converter with changing DC voltage. , 2010, , .		3
155	Experimental Evaluation of Hybrid Cycloconverters. , 2009, , .		0
156	Performance evaluation of two stagematrix converters for EMA in aircraft applications. , 2009, , .		2
157	Power device reliability assessment in high pulsed power resonant converters. , 2009, , .		1
158	DC link balancing and ripple compensation for a cascaded-H-bridge using space vector modulation. , 2009, , .		13
159	Aircraft Electrical Landing Gear Actuation Using Dual-output Power Converter with Mutual Power Circuit Components. , 2009, , .		11
160	Power Flow Control Through the UNIFLEX-PM Under Different Network Conditions. EPE Journal (European Power Electronics and Drives Journal), 2009, 19, 32-41.	0.7	3
161	Uniflex-PM â€" a Key-Enabling Technology for Future European Electricity Networks. EPE Journal (European Power Electronics and Drives Journal), 2009, 19, 6-16.	0.7	35
162	Reliability considerations in pulsed power resonant conversion. Microelectronics Reliability, 2009, 49, 1352-1357.	1.7	2

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163	Control strategy for a Doubly-Fed Induction Generator feeding an unbalanced grid or stand-alone load. Electric Power Systems Research, 2009, 79, 355-364.	3.6	66
164	Stability Analysis of a Wind Energy Conversion System Based on a Doubly Fed Induction Generator Fed by a Matrix Converter. IEEE Transactions on Industrial Electronics, 2009, 56, 4194-4206.	7.9	111
165	Experimental implementation of a multilevel converter for power system integration. , 2009, , .		21
166	A Direct Converter for High-Energy Physics Applications. IEEE Transactions on Plasma Science, 2009, 37, 593-602.	1.3	3
167	Control of the Reactive Power Supplied by a Matrix Converter. IEEE Transactions on Energy Conversion, 2009, 24, 301-303.	5.2	16
168	Optimized Commissioning Method for Enhanced Vector Control of High-Power Induction Motor Drives. IEEE Transactions on Industrial Electronics, 2009, 56, 1708-1717.	7.9	26
169	Control of the Reactive Power Supplied by a WECS Based on an Induction Generator Fed by a Matrix Converter. IEEE Transactions on Industrial Electronics, 2009, 56, 429-438.	7.9	112
170	A Topology for Multiple Generation System With Doubly Fed Induction Machines and Indirect Matrix Converter. IEEE Transactions on Industrial Electronics, 2009, 56, 4181-4193.	7.9	71
171	Design control and implementation of a three-phase utility power supply based on the matrix converter. IET Power Electronics, 2009, 2, 156-162.	2.1	22
172	Construction and Testing of the 3.3 kV, 300 kVA UNIFLEX-PM Prototype. EPE Journal (European Power) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.7	7
173	Control Challenges and Solutions for a Multi-Cellular Converter for Use in Electricity Networks. EPE Journal (European Power Electronics and Drives Journal), 2009, 19, 25-31.	0.7	3
174	High voltage, high frequency transformer switching converter integration. , 2009, , .		1
175	Development and power device reliability assessment of resonant pulsed power converters for RF applications. , 2009, , .		0
176	High power, high voltage, high frequency transformer / rectifier for HV industrial applications. , 2008, , .		15
177	Space vector modulation for a capacitor clamped multi-level matrix converter. , 2008, , .		6
178	A stationary reference frame current control for a multi-level H-bridge power converter for universal and flexible power management in future electricity network. , 2008, , .		7
179	Advanced integration of multilevel converters into power system. , 2008, , .		17
180	Torque and reactive power control of doubly-fed induction machine with matrix converter. , 2008, , .		5

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181	Large Offshore DFIG-Based Wind Farm With Line-Commutated HVDC Connection to the Main Grid: Engineering Studies. IEEE Transactions on Energy Conversion, 2008, 23, 119-127.	5.2	113
182	Sliding mode observer design for universal flexible power management (Uniflex-PM) structure. , 2008, , .		6
183	Power flow control through a multi-level H-bridge based power converter for Universal and Flexible Power Management in future electrical grids. , 2008, , .		21
184	Predictive current control of a 7-level AC-DC back-to-back converter for Universal and Flexible Power Management system. , 2008, , .		7
185	Predicting Inverter-Induced Harmonic Loss by Improved Harmonic Injection. IEEE Transactions on Power Electronics, 2008, 23, 2619-2624.	7.9	28
186	A Utility Power Supply Based on a Four-Output Leg Matrix Converter. IEEE Transactions on Industry Applications, 2008, 44, 174-186.	4.9	50
187	Sensorless Control of Doubly-Fed Induction Generators Using a Rotor-Current-Based MRAS Observer. IEEE Transactions on Industrial Electronics, 2008, 55, 330-339.	7.9	219
188	Predictive Current Control for Multilevel Active Rectifiers With Reduced Switching Frequency. IEEE Transactions on Industrial Electronics, 2008, 55, 163-172.	7.9	111
189	Control Design of a Three-Phase Matrix-Converter-Based ACâ€"AC Mobile Utility Power Supply. IEEE Transactions on Industrial Electronics, 2008, 55, 209-217.	7.9	92
190	Harmonic Loss Due to Operation of Induction Machines From Matrix Converters. IEEE Transactions on Industrial Electronics, 2008, 55, 809-816.	7.9	55
191	Development of a Predictive Controller for Use on a Direct Converter for High-Energy Physics Applications. IEEE Transactions on Industrial Electronics, 2008, 55, 4325-4334.	7.9	16
192	Capacitor clamped multi-level matrix converter: Space vector modulation and capacitor balance. , 2008, , .		7
193	Windâ€"Diesel Generation Using Doubly Fed Induction Machines. IEEE Transactions on Energy Conversion, 2008, 23, 202-214.	5.2	118
194	MRAS Observers for Sensorless Control of Doubly-Fed Induction Generators. IEEE Transactions on Power Electronics, 2008, 23, 1075-1084.	7.9	189
195	A multi-drive system based on a two-stage matrix converter. , 2008, , .		3
196	A topology for multiple generation system with doubly fed induction machines and indirect matrix converter.. , 2008, , .		8
197	Experimental study of a matrix converter excited doubly-fed induction machine in generation and motoring. , 2008, , .		8
198	High Speed Thermal Imaging applied to a Long Pulse Resonant Converter Modulator for Power device Reliability Assessment. , 2008, , .		5

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199	Control of a Wind Energy Conversion System based on an induction generator fed by a matrix-converter. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	3
200	Weight/volume effective multi-drive system based on two-stage matrix converter. , 2008, , .		8
201	High Power, High Frequency Modulators For Physics Research Applications. , 2008, , .		0
202	Reactive power capability of WECS based on matrix converter. Electronics Letters, 2008, 44, 674.	1.0	9
203	State space ZCS control for three-phase resonant converter. , 2008, , .		3
204	Performance assessment of matrix converter and two StageMatrix converter for EMA in aircraft application. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	11
205	Application of indirect matrix converters to variable speed doubly fed induction generators. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	10
206	Analytical and experimental evaluation of a WECS based on a Doubly Fed Induction Generator fed by a matrix converter. , 2008, , .		5
207	Comparison of losses in multilevel converters for aerospace applications. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	15
208	Control of a grid-connected variable speed WECS based on an induction generator fed by a matrix converter. , 2008, , .		1
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