

Jon C Clare

List of Publications by Year in descending order

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323
papers

11,141
citations

31976

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37204

96
g-index

324
all docs

324
docs citations

324
times ranked

4966
citing authors

#	ARTICLE	IF	CITATIONS
1	Matrix converters: a technology review. IEEE Transactions on Industrial Electronics, 2002, 49, 276-288.	7.9	1,597
2	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
3	Fault Detection for Modular Multilevel Converters Based on Sliding Mode Observer. IEEE Transactions on Power Electronics, 2013, 28, 4867-4872.	7.9	300
4	Technological Issues and Industrial Application of Matrix Converters: A Review. IEEE Transactions on Industrial Electronics, 2013, 60, 4260-4271.	7.9	299
5	Control of a Switched Reluctance Generator for Variable-Speed Wind Energy Applications. IEEE Transactions on Energy Conversion, 2005, 20, 781-791.	5.2	236
6	MRAS Observer for Sensorless Control of Standalone Doubly Fed Induction Generators. IEEE Transactions on Energy Conversion, 2005, 20, 710-718.	5.2	233
7	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
8	Conducted electromagnetic emissions in induction motor drive systems. I. Time domain analysis and identification of dominant modes. IEEE Transactions on Power Electronics, 1998, 13, 757-767.	7.9	212
9	Conducted electromagnetic emissions in induction motor drive systems. II. Frequency domain models. IEEE Transactions on Power Electronics, 1998, 13, 768-776.	7.9	210
10	Modulated Model Predictive Control for a Three-Phase Active Rectifier. IEEE Transactions on Industry Applications, 2015, 51, 1610-1620.	4.9	210
11	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
12	MRAS Observers for Sensorless Control of Doubly-Fed Induction Generators. IEEE Transactions on Power Electronics, 2008, 23, 1075-1084.	7.9	189
13	Control of Offshore DFIG-Based Wind Farm Grid With Line-Commutated HVDC Connection. IEEE Transactions on Energy Conversion, 2007, 22, 71-78.	5.2	161
14	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
15	A Hybrid Modular Multilevel Voltage Source Converter for HVDC Power Transmission. IEEE Transactions on Industry Applications, 2013, 49, 1577-1588.	4.9	133
16	A 150-kVA Vector-Controlled Matrix Converter Induction Motor Drive. IEEE Transactions on Industry Applications, 2005, 41, 841-847.	4.9	126
17	Power Smoothing in Wind Generation Systems Using a Sensorless Vector Controlled Induction Machine Driving a Flywheel. IEEE Transactions on Energy Conversion, 2004, 19, 206-216.	5.2	124
18	A Complete Harmonic Elimination Approach to DC Link Voltage Balancing for a Cascaded Multilevel Rectifier. IEEE Transactions on Industrial Electronics, 2007, 54, 2946-2953.	7.9	123

#	ARTICLE	IF	CITATIONS
19	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
20	Reliability comparison of matrix and other converter topologies. IEEE Transactions on Aerospace and Electronic Systems, 2006, 42, 867-875.	4.7	119
21	Windâ€™s Diesel Generation Using Doubly Fed Induction Machines. IEEE Transactions on Energy Conversion, 2008, 23, 202-214.	5.2	118
22	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
23	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
24	Predictive Current Control for Multilevel Active Rectifiers With Reduced Switching Frequency. IEEE Transactions on Industrial Electronics, 2008, 55, 163-172.	7.9	111
25	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
26	Control System for Unbalanced Operation of Stand-Alone Doubly Fed Induction Generators. IEEE Transactions on Energy Conversion, 2007, 22, 544-545.	5.2	109
27	Control strategies for enhanced power smoothing in wind energy systems using a flywheel driven by a vector-controlled induction machine. IEEE Transactions on Industrial Electronics, 2001, 48, 625-635.	7.9	108
28	Intelligent commutation of matrix converter bi-directional switch cells using novel gate drive techniques. , 0, , .		106
29	Open-Circuit Fault Detection and Diagnosis in Matrix Converters. IEEE Transactions on Power Electronics, 2015, 30, 2840-2847.	7.9	100
30	Large-Signal Model for the Stability Analysis of Matrix Converters. IEEE Transactions on Industrial Electronics, 2007, 54, 939-950.	7.9	99
31	Control Strategies for Power Smoothing Using a Flywheel Driven by a Sensorless Vector-Controlled Induction Machine Operating in a Wide Speed Range. IEEE Transactions on Industrial Electronics, 2004, 51, 603-614.	7.9	95
32	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
33	Control Design of a Three-Phase Matrix-Converter-Based ACâ€™s AC Mobile Utility Power Supply. IEEE Transactions on Industrial Electronics, 2008, 55, 209-217.	7.9	92
34	Space-Vector-Modulated Three-Level Inverters With a Single Z-Source Network. IEEE Transactions on Power Electronics, 2013, 28, 2806-2815.	7.9	91
35	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
36	Power Smoothing Using a Flywheel Driven by a Switched Reluctance Machine. IEEE Transactions on Industrial Electronics, 2006, 53, 1086-1093.	7.9	77

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37	Gate drive level intelligence and current sensing for matrix converter current commutation. IEEE Transactions on Industrial Electronics, 2002, 49, 382-389.	7.9	75
38	Enhancement of Matrix Converter Output Waveform Quality Using Minimized Commutation Times. IEEE Transactions on Industrial Electronics, 2004, 51, 240-244.	7.9	74
39	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
40	Multiobjective Modulated Model Predictive Control for a Multilevel Solid-State Transformer. IEEE Transactions on Industry Applications, 2015, 51, 4051-4060.	4.9	71
41	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
42	MRAS Observer for Doubly Fed Induction Machines. IEEE Transactions on Energy Conversion, 2004, 19, 467-468.	5.2	64
43	Matrix converter controlled with the direct transfer function approach: analysis, modelling and simulation. International Journal of Electronics, 2005, 92, 63-85.	1.4	64
44	Automated Optimal Design of Input Filters for Direct AC/AC Matrix Converters. IEEE Transactions on Industrial Electronics, 2012, 59, 2811-2823.	7.9	64
45	Experimental dynamometer emulation of nonlinear mechanical loads. IEEE Transactions on Industry Applications, 1999, 35, 1367-1373.	4.9	63
46	Matrix converters. IEEE Industry Applications Magazine, 2004, 10, 59-65.	0.4	63
47	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
48	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
49	A practical approach to the design of robust speed controllers for machine drives. IEEE Transactions on Industrial Electronics, 2000, 47, 315-324.	7.9	62
50	Elimination of Waveform Distortions in Matrix Converters Using a New Dual Compensation Method. IEEE Transactions on Industrial Electronics, 2007, 54, 2079-2087.	7.9	62
51	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
52	Vector Control of Front-End Converters for Variable-Speed Windâ€“Diesel Systems. IEEE Transactions on Industrial Electronics, 2006, 53, 1127-1136.	7.9	60
53	Active DC Voltage Balancing PWM Technique for High-Power Cascaded Multilevel Converters. IEEE Transactions on Industrial Electronics, 2014, 61, 6157-6167.	7.9	59
54	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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55	Grid Parameter Estimation Using Model Predictive Direct Power Control. IEEE Transactions on Industry Applications, 2015, 51, 4614-4622.	4.9	57
56	Harmonic Loss Due to Operation of Induction Machines From Matrix Converters. IEEE Transactions on Industrial Electronics, 2008, 55, 809-816.	7.9	55
57	A Utility Power Supply Based on a Four-Output Leg Matrix Converter. IEEE Transactions on Industry Applications, 2008, 44, 174-186.	4.9	50
58	4-MW Class High-Power-Density Generator for Future Hybrid-Electric Aircraft. IEEE Transactions on Transportation Electrification, 2021, 7, 2952-2964.	7.8	49
59	Capacitor Clamped Multilevel Matrix Converter Space Vector Modulation. IEEE Transactions on Industrial Electronics, 2012, 59, 105-115.	7.9	46
60	Use of a matrix converter to enhance the sensorless control of a surface-mount permanent-magnet AC motor at zero and low frequency. IEEE Transactions on Industrial Electronics, 2006, 53, 440-449.	7.9	45
61	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
62	A power-equalized harmonic-elimination scheme for utility-connected cascaded H-bridge multilevel converters. , 0, , .		44
63	A Cascade Multilevel Frequency Changing Converter for High-Power Applications. IEEE Transactions on Industrial Electronics, 2013, 60, 2118-2130.	7.9	42
64	Resonant control system for low-voltage ride-through in wind energy conversion systems. IET Power Electronics, 2016, 9, 1297-1305.	2.1	42
65	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
66	The Alternate Arm Converter (AAC) "Short-Overlap" Mode Operation" Analysis and Design Parameter Selection. IEEE Transactions on Power Electronics, 2018, 33, 5641-5659.	7.9	40
67	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
68	HF induction motor modeling using automated experimental impedance measurement matching. IEEE Transactions on Industrial Electronics, 2012, 59, 3789-3796.	7.9	39
69	Measurement of conducted electromagnetic emissions in PWM motor drive systems without the need for an LISN. IEEE Transactions on Electromagnetic Compatibility, 1999, 41, 50-55.	2.2	38
70	Performance evaluation of high-voltage 1.2-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
71	Uniflex-PM " a Key-Enabling Technology for Future European Electricity Networks. EPE Journal (European Power Electronics and Drives Journal), 2009, 19, 6-16.	0.7	35
72	Distributed commutations pulse-width modulation technique for high-power AC/DC multi-level converters. IET Power Electronics, 2012, 5, 909-919.	2.1	34

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73	Fast Convergence Delayed Signal Cancellation Method for Sequence Component Separation. IEEE Transactions on Power Delivery, 2015, 30, 2055-2057.	4.3	34
74	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
75	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
76	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
77	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
78	An Integrated 30kW Matrix Converter based Induction Motor Drive. , 0, , .		30
79	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
80	High-Efficiency High-Reliability Pulsed Power Converters for Industrial Processes. IEEE Transactions on Power Electronics, 2012, 27, 37-45.	7.9	30
81	Experimental validation of a parallel hybrid modular multilevel voltage source converter for HVDC transmission. , 2013, , .		30
82	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
83	Sensorless control of a doubly- fed induction generator for stand alone operation. , 0, , .		28
84	Predicting Inverter-Induced Harmonic Loss by Improved Harmonic Injection. IEEE Transactions on Power Electronics, 2008, 23, 2619-2624.	7.9	28
85	A new predictive control method for cascaded multilevel converters with intrinsic modulation scheme. , 2013, , .		28
86	Rotor current based MRAS observer for doubly-fed induction machines. Electronics Letters, 2004, 40, 769.	1.0	27
87	A review of multi-level matrix converter topologies. , 2008, , .		27
88	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
89	A sub-module capacitor voltage balancing scheme for the Alternate Arm Converter (AAC). , 2013, , .		27
90	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

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91	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
92	Sensorless Flux Position Estimation at Low and Zero Frequency by Measuring Zero-Sequence Current in Delta-Connected Cage Induction Machines. IEEE Transactions on Industry Applications, 2005, 41, 609-617.	4.9	25
93	Control strategies for voltage control of a boost type PWM converter. , 0, , .		24
94	A hybrid voltage source converter arrangement for HVDC power transmission and reactive power compensation. , 2010, , .		24
95	Research on the Amplitude Coefficient for Multilevel Matrix Converter Space Vector Modulation. IEEE Transactions on Power Electronics, 2012, 27, 3544-3556.	7.9	24
96	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
97	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
98	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
99	A low loss modular multilevel voltage source converter for HVDC power transmission and reactive power compensation. , 2010, , .		22
100	Control of a matrix converter for the operation of autonomous systems. Renewable Energy, 2012, 43, 343-353.	8.9	22
101	Power flow control through a multi-level H-bridge based power converter for Universal and Flexible Power Management in future electrical grids. , 2008, , .		21
102	Experimental implementation of a multilevel converter for power system integration. , 2009, , .		21
103	High voltage high frequency power transformer for pulsed power application. , 2010, , .		21
104	Open-circuit fault detection and isolation for modular multilevel converter based on sliding mode observer. , 2013, , .		21
105	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
106	Cyber-Attacks in Modular Multilevel Converters. IEEE Transactions on Power Electronics, 2022, 37, 8488-8501.	7.9	21
107	Regeneration in Aircraft Electrical Power Systems?. , 0, , .		20
108	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

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109	A Simplified Space-Vector Modulation Algorithm for Four-Leg NPC Converters. IEEE Transactions on Power Electronics, 2017, 32, 8371-8380.	7.9	20
110	Efficient dynamic models for induction machines. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 1999, 12, 449-464.	1.9	19
111	Hybrid HVDC circuit breaker with self-powered gate drives. IET Power Electronics, 2016, 9, 228-236.	2.1	19
112	A Three-Phase Modular Isolated Matrix Converter. IEEE Transactions on Power Electronics, 2019, 34, 11760-11773.	7.9	19
113	A Push-Pull Series Connected Modular Multilevel Converter for HVdc Applications. IEEE Transactions on Power Electronics, 2022, 37, 3111-3129.	7.9	19
114	MRAS observers for sensorless control of doubly-fed induction generators. , 2008, , .		19
115	Grid Frequency Control Design for Offshore Wind Farms with Naturally Commutated HVDC Link Connection. , 2006, , .		18
116	Operation of a hybrid modular multilevel converter during grid voltage unbalance. IET Generation, Transmission and Distribution, 2016, 10, 3102-3110.	2.5	18
117	Control system for grid generation of a switched reluctance generator driven by a variable speed wind turbine. , 0, , .		17
118	Advanced integration of multilevel converters into power system. , 2008, , .		17
119	Power flow analysis in electro-mechanical actuators for civil aircraft. IET Electric Power Applications, 2011, 5, 48.	1.8	17
120	A repetitive control system for four-leg matrix converters feeding non-linear loads. Electric Power Systems Research, 2013, 104, 18-27.	3.6	17
121	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
122	Matrix Converter Protection for More Electric Aircraft Applications. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	16
123	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
124	Control of the Reactive Power Supplied by a Matrix Converter. IEEE Transactions on Energy Conversion, 2009, 24, 301-303.	5.2	16
125	Enabling technologies for matrix converters in aerospace applications. , 2011, , .		16
126	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

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127	Indirect matrix converter modulation strategies for open-end winding induction machine. IEEE Latin America Transactions, 2014, 12, 395-401.	1.6	16
128	The Series Bridge Converter (SBC): A hybrid modular multilevel converter for HVDC applications. , 2016, , .		16
129	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
130	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
131	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
132	A matrix converter based permanent magnet motor drive for an aircraft actuation system. , 0, , .		15
133	Power Smoothing Using a Switched Reluctance Machine Driving a Flywheel. IEEE Transactions on Energy Conversion, 2006, 21, 294-295.	5.2	15
134	High power, high voltage, high frequency transformer / rectifier for HV industrial applications. , 2008, , .		15
135	Comparison of losses in multilevel converters for aerospace applications. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	15
136	Modulated model predictive control (M<sup>2</sup></sup>PC) for a 3-phase active front-end. , 2013, , .		15
137	Power conversion for a novel AC/DC aircraft electrical distribution system. IET Electrical Systems in Transportation, 2014, 4, 29-37.	2.4	15
138	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
139	Control strategies for energy recovery from a flywheel using a vector controlled induction machine. , 0, , .		14
140	Multi carrier PWM of the modular multilevel VSC for medium voltage applications. , 2012, , .		14
141	Cancellation of 3rd common-mode voltage generated by matrix converter. , 2005, , .		13
142	STATCOM-controlled HVDC Power Transmission for Large Offshore Wind Farms: Engineering Issues. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	13
143	DC link balancing and ripple compensation for a cascaded-H-bridge using space vector modulation. , 2009, , .		13
144	Cell capacitor voltage control in a parallel hybrid modular multilevel voltage source converter for HVDC applications. , 2012, , .		13

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145	Detection and isolation of multiple faults in a modular multilevel converter based on a sliding mode observer. , 2014, , .		13
146	Feedforward indirect vector control of a matrix converterâ€fed induction motor drive. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2000, 19, 974-986.	0.9	12
147	A new topology of soft-switched two-switch forward converter and a new topology of PWM three-level half-bridge inverter. , 0, , .		12
148	A 25kV, 250kW Multiphase Resonant Power Converter for Long Pulse Applications. , 2007, , .		12
149	3â€Phase 4â€wire matrix converterâ€based voltage sag/swell generator to test lowâ€voltage ride through in wind energy conversion systems. IET Power Electronics, 2014, 7, 3116-3125.	2.1	12
150	A Control Technique for Compensating the Effects of Input Voltage Variations on Matrix Converter Modulation Algorithms. Electric Power Components and Systems, 2002, 30, 807-822.	1.8	11
151	Sensorless vector control at lowand zero frequency considering zero-sequence current in delta connected cage induction motors. , 0, , .		11
152	Fault-Tolerant Brushless DC Motor Drive For Electro-Hydrostatic Actuation System In Aerospace Application. Conference Record - IAS Annual Meeting (IEEE Industry Applications Society), 2006, , .	0.0	11
153	Performance assessment of matrix converter and two StageMatrix converter for EMA in aircraft application. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	11
154	Aircraft Electrical Landing Gear Actuation Using Dual-output Power Converter with Mutual Power Circuit Components. , 2009, , .		11
155	A comparison between dead-beat and predictive control for a 7-level back-to-back Cascaded H-Bridge under fault conditions. , 2013, , .		11
156	A High Power RF Power Supply for High Energy Physics Applications. , 0, , .		10
157	Space Vector Modulation for a 4-Leg Matrix Converter. , 0, , .		10
158	Application of indirect matrix converters to variable speed doubly fed induction generators. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	10
159	Regeneration of energy onto an aircraft electrical power system from an electro-mechanical actuator. , 2012, , .		10
160	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
161	Series Chain-Link Modular Multilevel ACâ€DC Converter (SCC) for HVDC Applications. IEEE Transactions on Power Electronics, 2020, 35, 5714-5728.	7.9	10
162	A utility power supply based on a four-output leg matrix converter. , 0, , .		9

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163	Reactive power capability of WECS based on matrix converter. Electronics Letters, 2008, 44, 674.	1.0	9
164	Investigation of high voltage, high frequency transformers / voltage multipliers for industrial applications. , 2008, , .		9
165	A modulation technique for high power AC/DC multilevel converters for power system integration. , 2010, , .		9
166	Sliding mode observation of capacitor voltage in multilevel power converters. , 2010, , .		9
167	Resonant controllers for 4-leg matrix converters. , 2010, , .		9
168	Control strategy for power smoothing using vector controlled induction machine and flywheel. Electronics Letters, 2000, 36, 765.	1.0	8
169	The impact of matrix converter technology on motor design for an integrated flight control surface actuation system. , 0, , .		8
170	Comparison of Losses in Voltage Source Inverters and Direct AC-AC Converters. EPE Journal (European Power Electronics and Drives Journal), 2003, 13, 46-51.	0.7	8
171	A selective harmonic elimination system for restoring and equalising DC link voltages in a multilevel active rectifier. , 2007, , .		8
172	A topology for multiple generation system with doubly fed induction machines and indirect matrix converter.. , 2008, , .		8
173	Experimental study of a matrix converter excited doubly-fed induction machine in generation and motoring. , 2008, , .		8
174	Weight/volume effective multi-drive system based on two-stage matrix converter. , 2008, , .		8
175	HF induction motor modeling using genetic algorithms and experimental impedance measurement. , 2010, , .		8
176	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
177	Common mode voltage and zero sequence current reduction in an open-end load fed by a two output indirect matrix converter. , 2013, , .		8
178	A study on probability of distribution loads based on expectation maximization algorithm. , 2017, , .		8
179	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
180	A low frequency predictive current control for multilevel active rectifiers. , 0, , .		7

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181	A Novel Four-leg Matrix Converter. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	7
182	Numerical Approach for Guaranteeing Stable Design of Practical Matrix Converter Drive Systems. Industrial Electronics Society (IECON), Annual Conference of IEEE, 2006, , .	0.0	7
183	Fault- Tolerance Analysis of Multi-Phase Single Sided Matrix Converter for Brushless DC Drives. , 2007, , .		7
184	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
185	Predictive current control of a 7-level AC-DC back-to-back converter for Universal and Flexible Power Management system. , 2008, , .		7
186	Capacitor clamped multi-level matrix converter: Space vector modulation and capacitor balance. , 2008, , .		7
187	Construction and Testing of the 3.3 kV, 300 kVA UNIFLEX-PM Prototype. EPE Journal (European Power) Tj ETQq1 1 0,784314,rgBT /Over	0.7	7
188	Comparison of predictive control strategies for direct resonant high voltage DC power supply. , 2012, , .		7
189	Voltage balancing characteristics for a cascaded H-bridge multi-level StatCom employing space vector modulation. , 2012, , .		7
190	An improved dead-beat current control for cascaded H-bridge active rectifier with low switching frequency. , 2012, , .		7
191	Switching strategies for an indirect matrix converter fed open-end load. , 2013, , .		7
192	Geometrical visualisation of indirect space vector modulation for matrix converters operating with abnormal supplies. IET Power Electronics, 2019, 12, 4023-4033.	2.1	7
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