

# Kai Sun

## List of Publications by Year in descending order

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168  
papers

6,550  
citations

147801

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76900

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168  
docs citations

168  
times ranked

4596  
citing authors

#	ARTICLE	IF	CITATIONS
1	Model Predictive Power Control of Grid-Connected Quasi Single-Stage Converters for High-Efficiency Low-Voltage ESS Integration. IEEE Transactions on Industrial Electronics, 2022, 69, 1124-1134.	7.9	10
2	Multi-Port DC-AC Converter With Differential Power Processing DC-DC Converter and Flexible Power Control for Battery ESS Integrated PV Systems. IEEE Transactions on Industrial Electronics, 2022, 69, 4879-4889.	7.9	31
3	Design and Optimization of the Insulation of Medium-Voltage Medium-Frequency Transformers for Solid-State Transformers. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 3561-3570.	5.4	15
4	A Constant Current Control Method With Improved Dynamic Performance for CLLC Converters. IEEE Transactions on Power Electronics, 2022, 37, 1509-1523.	7.9	10
5	A Hybrid Voltage/Current Control Scheme With Low-Communication Burden for Grid-Connected Series-Type Inverters in Decentralized Manner. IEEE Transactions on Power Electronics, 2022, 37, 920-931.	7.9	5
6	Priority-Driven Self-Optimizing Power Control Scheme for Interlinking Converters of Hybrid AC/DC Microgrid Clusters in Decentralized Manner. IEEE Transactions on Power Electronics, 2022, 37, 5970-5983.	7.9	16
7	Lithium-ion batteries under pulsed current operation to stabilize future grids. Cell Reports Physical Science, 2022, 3, 100708.	5.6	19
8	Bridge-to-Bridge Independent Control Method for Dual-Active-Bridge Interlinking Converter. IEEE Transactions on Power Electronics, 2022, 37, 8757-8761.	7.9	4
9	An Inner Phase Shift Control Scheme for the CLLC Converter. , 2022, , .		4
10	A Hybrid Compensation Scheme for the Gate Drive Delay in CLLC Converters. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 1119-1132.	5.4	6
11	Multilevel Energy Management of a DC Microgrid Based on Virtual-Battery Model Considering Voltage Regulation and Economic Optimization. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 2881-2895.	5.4	11
12	Multi-Stage Voltage Support Optimization for Microgrids With Multiple Distributed Generation Units. IEEE Transactions on Smart Grid, 2021, 12, 141-156.	9.0	13
13	A Battery Charging Method with Natural Synchronous Rectification Features for Full-bridge CLLC Converters. IEEE Transactions on Power Electronics, 2021, , 1-1.	7.9	14
14	Parameter Identification of the Series Inductance in DAB Converters. IEEE Transactions on Power Electronics, 2021, 36, 7395-7399.	7.9	20
15	Virtual SVPWM-Based Flexible Power Control for Dual-DC-Port DC-AC Converters in PV-Battery Hybrid Systems. IEEE Transactions on Power Electronics, 2021, 36, 11431-11443.	7.9	21
16	Hybrid Connected Unified Power Quality Conditioner Integrating Distributed Generation With Reduced Power Capacity and Enhanced Conversion Efficiency. IEEE Transactions on Industrial Electronics, 2021, 68, 12340-12352.	7.9	16
17	An Improved Decentralized Control of Cascaded Inverters with Robust Stability against Grid-Voltage Variation. IEEE Transactions on Energy Conversion, 2021, , 1-1.	5.2	2
18	A Constant Current Control Method with Improved Dynamic Performance for CLLC Converters. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
19	Comparison of Neutral-Point Balancing Mechanism in Parallel-Operated T-Type Three-Level PWM AC/DC Interface Converters. , 2021, , .		0
20	Modulation Induced Current Imbalance and Its Sensorless Control of a GaN-Based Four-Phase DCâ€“DC Power Amplifier. IEEE Transactions on Industrial Electronics, 2020, 67, 1520-1531.	7.9	7
21	A Unified State-Space Modeling Method for a Phase-Shift Controlled Bidirectional Dual-Active Half-Bridge Converter. IEEE Transactions on Power Electronics, 2020, 35, 3254-3265.	7.9	36
22	Discontinuous Bi-tri Logic SPWM for Current Source Converter with Optimized Zero-state Replacement. , 2020, , .		9
23	A Neural Network-Based Power Control Method for Direct-Drive Wave Energy Converters in Irregular Waves. IEEE Transactions on Sustainable Energy, 2020, 11, 2962-2971.	8.8	17
24	Optimization of Cell Voltage and Circulating Current With Zero-Mean Current Command Injection in Modular Multilevel Converters. IEEE Transactions on Industrial Electronics, 2020, 67, 9429-9438.	7.9	3
25	Fault Current Mitigation and Voltage Support Provision by Microgrids With Synchronous Generators. IEEE Transactions on Smart Grid, 2020, 11, 2816-2831.	9.0	5
26	Quasi-Two-Stage Multifunctional Photovoltaic Inverter With Power Quality Control and Enhanced Conversion Efficiency. IEEE Transactions on Power Electronics, 2020, 35, 7073-7085.	7.9	29
27	Impact on ZVS Operation by Splitting Inductance to Both Sides of Transformer for 1-MHz GaN Based DAB Converter. IEEE Transactions on Power Electronics, 2020, 35, 11988-12002.	7.9	23
28	A Non-Segmented PSpice Model of SiC mosfet With Temperature-Dependent Parameters. IEEE Transactions on Power Electronics, 2019, 34, 4603-4612.	7.9	41
29	Dual-Voltage-Rectifier-Based Single-Phase ACâ€“DC Converters With Dual DC Bus and Voltage-Sigma Architecture for Variable DC Output Applications. IEEE Transactions on Power Electronics, 2019, 34, 4208-4222.	7.9	10
30	A High Efficiency Quasi-Single-Stage Unified Power Quality Conditioner Integrating Distributed Generation. , 2019, , .		2
31	A Temperature-dependent PSpice Short-circuit Model of SiC MOSFET. , 2019, , .		6
32	Topologies for Reduction of Second Harmonic Ripple in Battery Energy Storage Systems. , 2019, , .		2
33	Bi-Directional Grid-Connected Modular Multilevel Converters With Direct Digital Control and D-Î£ Processes. IEEE Transactions on Power Electronics, 2019, 34, 11290-11299.	7.9	5
34	Adaptive protection combined with machine learning for microgrids. IET Generation, Transmission and Distribution, 2019, 13, 770-779.	2.5	115
35	Analysis and Control of Three-Phase Modular Multilevel Converters Under the Single Arm Fault Condition. IEEE Transactions on Power Electronics, 2019, 34, 8293-8298.	7.9	18
36	A Flexible Power Control for PV-Battery Hybrid System Using Cascaded H-Bridge Converters. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 2184-2195.	5.4	31

#	ARTICLE	IF	CITATIONS
37	Guest Editorial Special Section on Energy Internet. IEEE Transactions on Industrial Informatics, 2019, 15, 1753-1755.	11.3	0
38	A Three-Port Converter Based Distributed DC Grid Connected PV System With Autonomous Output Voltage Sharing Control. IEEE Transactions on Power Electronics, 2019, 34, 325-339.	7.9	60
39	Space Vector Modulation Method for Simultaneous Common Mode Voltage and Circulating Current Reduction in Parallel Three-Level Inverters. IEEE Transactions on Power Electronics, 2019, 34, 3053-3066.	7.9	41
40	Analysis and Mitigation of Oscillations in Bi-directional CLLC Resonant Converters. , 2019, , .		0
41	A High Step-Up Modular Isolated DC-DC Converter for Large Capacity Photovoltaic Generation System Integrated into MVDC Grids. , 2019, , .		6
42	A Distributed Power Control of Series-Connected Module-Integrated Inverters for PV Grid-Tied Applications. IEEE Transactions on Power Electronics, 2018, 33, 7698-7707.	7.9	59
43	Active Power Oscillation Cancellation With Peak Current Sharing in Parallel Interfacing Converters Under Unbalanced Voltage. IEEE Transactions on Power Electronics, 2018, 33, 10200-10214.	7.9	17
44	Three-Level Bidirectional DC-DC Converter With an Auxiliary Inductor in Adaptive Working Mode for Full-Operation Zero-Voltage Switching. IEEE Transactions on Power Electronics, 2018, 33, 8537-8552.	7.9	24
45	Analysis and design of enhanced DFT-based controller for selective harmonic compensation in active power filters. , 2018, , .		5
46	A Capacitor Voltage Balancing Control Method for Five-Level Full-Bridge Grid-Tied Inverters Without Split-Capacitor Voltage Sampling. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 2042-2052.	5.4	14
47	Parallel Three-Phase Interfacing Converters Operation Under Unbalanced Voltage in Hybrid AC/DC Microgrid. IEEE Transactions on Smart Grid, 2018, 9, 1310-1322.	9.0	35
48	Active Power Quality Improvement Strategy for Grid-Connected Microgrid Based on Hierarchical Control. IEEE Transactions on Smart Grid, 2018, 9, 3486-3495.	9.0	48
49	Evaluation on High-Efficiency Thermoelectric Generation Systems Based on Differential Power Processing. IEEE Transactions on Industrial Electronics, 2018, 65, 699-708.	7.9	31
50	Modeling and Decoupled Control of a Buck-Boost and Stacked Dual Half-Bridge Integrated Bidirectional DC-DC Converter. IEEE Transactions on Power Electronics, 2018, 33, 3534-3551.	7.9	17
51	An Improved Modulation Scheme of Current-Fed Bidirectional DC-DC Converters For Loss Reduction. IEEE Transactions on Power Electronics, 2018, 33, 4441-4457.	7.9	64
52	A Multi-Port Bidirectional Power Conversion System for Reversible Solid Oxide Fuel Cell Applications. , 2018, , .		16
53	Comparison of High Power DC-DC Converters for Photovoltaic Generation Integrated into Medium Voltage DC Grids. , 2018, , .		3
54	Unified state-space modeling method for dual-active-bridge converters considering bidirectional phase shift. , 2018, , .		6

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55	Circulating Current Suppression for Modular Multi-level Converters with Direct Digital Control. , 2018, , .		1
56	Distributed autonomous voltage balancing control for a modular IPOS DC grid-connected renewable power system. , 2018, , .		9
57	A phase-shift-based synchronous rectification scheme for bi-directional high-step-down CLLC resonant converters. , 2018, , .		20
58	Two-stage transformerless dual-buck PV grid-connected inverters with high efficiency. Chinese Journal of Electrical Engineering, 2018, 4, 36-42.	3.4	17
59	Improved Modulation Mechanism of Parallel-Operated T-Type Three-Level PWM Rectifiers for Neutral-Point Potential Balancing and Circulating Current Suppression. IEEE Transactions on Power Electronics, 2018, 33, 7466-7479.	7.9	67
60	A Hybrid Control Strategy to Support Voltage in Industrial Active Distribution Networks. IEEE Transactions on Power Delivery, 2018, 33, 2590-2602.	4.3	11
61	Low-Voltage Ride-Through Operation of Power Converters in Grid-Interactive Microgrids by Using Negative-Sequence Droop Control. IEEE Transactions on Power Electronics, 2017, 32, 3128-3142.	7.9	83
62	Parallel Operation of Bidirectional Interfacing Converters in a Hybrid AC/DC Microgrid Under Unbalanced Grid Voltage Conditions. IEEE Transactions on Power Electronics, 2017, 32, 1872-1884.	7.9	84
63	Bidirectional Soft-Switching Series-Resonant Converter With Simple PWM Control and Load-Independent Voltage-Gain Characteristics for Energy Storage System in DC Microgrids. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2017, 5, 995-1007.	5.4	52
64	A three-port converter based DC grid-connected PV system with autonomous output voltage sharing control. , 2017, , .		8
65	Three-level dual active bridge with auxiliary inductor for wide zero voltage switching for energy storage system in DC microgrid. , 2017, , .		4
66	Analysis and suppression of circulating currents in parallel-operated T-type three-level PWM rectifiers. , 2017, , .		0
67	A photovoltaic generation system based on wide voltage-gain DC-DC converter and differential power processors for DC microgrids. Chinese Journal of Electrical Engineering, 2017, 3, 84-95.	3.4	32
68	Instantaneous power calculation based on intrinsic frequency of single-phase virtual synchronous generator. Journal of Modern Power Systems and Clean Energy, 2017, 5, 970-978.	5.4	7
69	Generation and demand scheduling for a grid-connected hybrid microgrid considering price-based incentives. , 2017, , .		8
70	PCC voltage power quality restoring strategy based on the droop controlled grid-connecting microgrid. Journal of Engineering, 2017, 2017, 1399-1403.	1.1	5
71	Small signal analysis of photovoltaic-energy storage integrated virtual synchronous generator. , 2017, , .		1
72	A non-segmented PSpice model of SiC MOSFETs. , 2017, , .		3

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73	Voltage support for industrial distribution network by using positive/negative sequence passivity-based control. , 2016, , .		1
74	A systematic topology generation method for dual-buck inverters. , 2016, , .		6
75	Three level DC-DC converter based on cascaded dual half-bridge converter for circulating loss reduction. , 2016, , .		3
76	Modeling and decoupled control of a non-isolated high step-up/down bidirectional DC-DC converter. , 2016, , .		1
77	Cost effective capacitor voltage balancing control for five-level grid-tied inverters. , 2016, , .		2
78	Impedance-based stability analysis of single-phase inverter connected to weak grid with voltage feed-forward control. , 2016, , .		13
79	Peak current-based control of parallel three-phase interfacing converters operation under unbalanced voltage. , 2016, , .		0
80	Performance evaluation of a non-isolated bidirectional three-port power converter for energy storage applications. , 2016, , .		5
81	Circulating current reduced three level DC-DC converter with two transformers for battery chargers. , 2016, , .		0
82	The frequency fluctuation impact analysis for droop controlled grid-connecting inverter in microgrid. , 2016, , .		2
83	Control strategy for parallel-operated virtual synchronous generators. , 2016, , .		3
84	Cascaded power balancing mechanism based on resonant switched capacitor topology for photovoltaic systems. , 2016, , .		0
85	A smooth switch method for battery energy storage systems between Vf mode and PQ mode by utilizing electromagnetic relay. , 2016, , .		2
86	Studies on the clustered voltage balancing mechanism for cascaded H-bridge STATCOM. , 2016, , .		10
87	An isolated soft-switching buck-boost converter utilizing two transformers and embedded bidirectional switches on secondary-side for wide voltage applications. , 2016, , .		2
88	Improved ZVS Three-Level DC-DC Converter With Reduced Circulating Loss. IEEE Transactions on Power Electronics, 2016, 31, 6394-6404.	7.9	32
89	A PV generation system based on centralized-distributed structure and cascaded power balancing mechanism for DC microgrids. , 2015, , .		4
90	Parallel operation of bi-directional interfacing converters in a hybrid AC/DC microgrid under unbalanced grid conditions. , 2015, , .		8

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91	A SiC-based T-type three-phase three-level grid-tied inverter. , 2015, , .		8
92	A Family of Five-Level Dual-Buck Full-Bridge Inverters for Grid-tied Applications. IEEE Transactions on Power Electronics, 2015, , 1-1.	7.9	47
93	A dual-active-bridge converter-based high step-up converter with voltage-multiplier for high-efficiency PV application. , 2015, , .		1
94	A crossed pack-to-cell equalizer based on quasi-resonant LC converter with adaptive fuzzy logic equalization control for series-connected lithium-ion battery strings. , 2015, , .		25
95	A grid-tied photovoltaic generation system based on series-connected module integrated inverters with adjustable power factor. , 2015, , .		15
96	A harmonic current suppression control strategy for droop-controlled inverter connected to the distorted grid. , 2015, , .		8
97	Negative sequence droop method based hierarchical control for low voltage ride-through in grid-interactive microgrids. , 2015, , .		3
98	A High Step-Down Multiple Output Converter With Wide Input Voltage Range Based on Quasi Two-Stage Architecture and Dual-Output <i>LLC</i> ; Resonant Converter. IEEE Transactions on Power Electronics, 2015, 30, 1793-1796.	7.9	41
99	Double-Quadrant State-of-Charge-Based Droop Control Method for Distributed Energy Storage Systems in Autonomous DC Microgrids. IEEE Transactions on Smart Grid, 2015, 6, 147-157.	9.0	282
100	Virtual impedance based stability improvement for DC microgrids with constant power loads. , 2014, , .		22
101	A specific analysis model of three-level NPC inverter fed adjustable speed drive system with high accuracy. , 2014, , .		3
102	Capacitor voltage balancing of a three-level bi-directional buck-boost converter for battery energy storage system. , 2014, , .		6
103	A high light-load efficiency dual active bridge converter with split inductors. , 2014, , .		0
104	H6 Transformerless Full-Bridge PV Grid-Tied Inverters. IEEE Transactions on Power Electronics, 2014, 29, 1229-1238.	7.9	339
105	An Improved Droop Control Method for DC Microgrids Based on Low Bandwidth Communication With DC Bus Voltage Restoration and Enhanced Current Sharing Accuracy. IEEE Transactions on Power Electronics, 2014, 29, 1800-1812.	7.9	837
106	Hierarchical Control of Parallel AC-DC Converter Interfaces for Hybrid Microgrids. IEEE Transactions on Smart Grid, 2014, 5, 683-692.	9.0	327
107	State-of-Charge Balance Using Adaptive Droop Control for Distributed Energy Storage Systems in DC Microgrid Applications. IEEE Transactions on Industrial Electronics, 2014, 61, 2804-2815.	7.9	603
108	Improved Modeling of Medium Voltage SiC MOSFET Within Wide Temperature Range. IEEE Transactions on Power Electronics, 2014, 29, 2229-2237.	7.9	100

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109	Droop-control-based state-of-charge balancing method for charging and discharging process in autonomous DC microgrids. , 2014, , .		14
110	A System-Level Control Strategy of Photovoltaic Grid-Tied Generation Systems for European Efficiency Enhancement. IEEE Transactions on Power Electronics, 2014, 29, 3445-3453.	7.9	42
111	A full-bridge three-port converter for renewable energy application. , 2014, , .		19
112	Evaluation of Power Conditioning Architectures for Energy Production Enhancement in Thermoelectric Generator Systems. Journal of Electronic Materials, 2014, 43, 1567-1573.	2.2	5
113	A Power Conditioning Stage Based on Analog-Circuit MPPT Control and a Superbuck Converter for Thermoelectric Generators in Spacecraft Power Systems. Journal of Electronic Materials, 2014, 43, 2287-2292.	2.2	8
114	A TEG Efficiency Booster with Buck-Boost Conversion. Journal of Electronic Materials, 2013, 42, 1737-1744.	2.2	13
115	An optimized common mode voltage reduction PWM strategy for T-type three phase three level photovoltaic grid-tied inverter. , 2013, , .		8
116	Topology Derivation of Nonisolated Three-Port DC-DC Converters From DIC and DOC. IEEE Transactions on Power Electronics, 2013, 28, 3297-3307.	7.9	226
117	Distributed secondary control for dc microgrid applications with enhanced current sharing accuracy. , 2013, , .		9
118	A Family of Neutral Point Clamped Full-Bridge Topologies for Transformerless Photovoltaic Grid-Tied Inverters. IEEE Transactions on Power Electronics, 2013, 28, 730-739.	7.9	343
119	Evaluation of High Step-Up Power Electronics Stages in Thermoelectric Generator Systems. Journal of Electronic Materials, 2013, 42, 2157-2164.	2.2	5
120	Hybrid centralized-distributed power conditioning system for thermoelectric generator with high energy efficiency. , 2013, , .		5
121	A Fuzzy logic based parameter auto-tuning method in MRAS for sensorless interior permanent magnet synchronous motor drives with cyclic fluctuating load. , 2013, , .		2
122	Online Identification of Permanent Magnet Flux Based on Extended Kalman Filter for IPMSM Drive With Position Sensorless Control. IEEE Transactions on Industrial Electronics, 2012, 59, 4169-4178.	7.9	249
123	An improved rotor speed estimation method of IPMSM drives with cyclic fluctuating load. , 2012, , .		0
124	A high efficiency step-up DC-DC converter for thermoelectric generator with wide input voltage range. , 2012, , .		8
125	SoC-based dynamic power sharing method with AC-bus voltage restoration for microgrid applications. , 2012, , .		31
126	SoC-based droop method for distributed energy storage in DC microgrid applications. , 2012, , .		62



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127	Resonance propagation of parallel-operated DC-AC converters with LCL filters. , 2012, , .		17
128	An integrated four-port full-bridge converter with DMPPT for renewable power system. , 2012, , .		4
129	An interleaved-series/parallel forward converter with wide input voltage range. , 2012, , .		1
130	Full-Bridge Three-Port Converters With Wide Input Voltage Range for Renewable Power Systems. IEEE Transactions on Power Electronics, 2012, 27, 3965-3974.	7.9	125
131	A Thermoelectric Generation System and Its Power Electronics Stage. Journal of Electronic Materials, 2012, 41, 1043-1050.	2.2	26
132	A family of non-isolated three-port converters for stand-alone renewable power system. , 2011, , .		11
133	A three-port half-bridge converter with synchronous rectification for renewable energy application. , 2011, , .		16
134	Control strategy of high performance IPMSM drive in wide speed range. , 2011, , .		0
135	Control of parallel-connected bidirectional AC-DC converters in stationary frame for microgrid application. , 2011, , .		21
136	A transformation method from conventional three phases full-bridge topology to conergy NPC topology. , 2011, , .		8
137	A Distributed Control Strategy Based on DC Bus Signaling for Modular Photovoltaic Generation Systems With Battery Energy Storage. IEEE Transactions on Power Electronics, 2011, 26, 3032-3045.	7.9	559
138	A Modular Grid-Connected Photovoltaic Generation System Based on DC Bus. IEEE Transactions on Power Electronics, 2011, 26, 523-531.	7.9	228
139	Power control of DC microgrid using DC bus signaling. , 2011, , .		67
140	A grid-connected hybrid cascaded H-bridge inverter. , 2011, , .		2
141	A weighted efficiency enhancement control for modular grid-tied photovoltaic generation system. , 2011, , .		0
142	High performance vector control of IPMSM drive fed by indirect matrix converter. , 2011, , .		2
143	Control for grid-connected bi-directional AC-DC converters in parallel operation. , 2011, , .		0
144	Permanent magnet flux identification of IPMSM based on EKF with speed sensorless control. , 2010, , .		8

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145	An Overmodulation Method for PWM-Inverter-Fed IPMSM Drive With Single Current Sensor. IEEE Transactions on Industrial Electronics, 2010, 57, 3395-3404.	7.9	73
146	Single current sensor control for PWM inverter fed AC motor drives under over-modulation mode. , 2009, , .		3
147	Analysis and control of input power factor in indirect matrix converter. , 2009, , .		15
148	High efficiency hybrid cascade inverter for photovoltaic generation. , 2009, , .		4
149	Utility power supply based on indirect matrix converter for electromagnetic stirrer. , 2009, , .		0
150	Control strategy of PMSM drive in high speed operation for air-condition compressor. , 2008, , .		9
151	RB-IGBT gate drive circuit and its application in two-stage matrix converter. IEEE Applied Power Electronics Conference and Exposition, 2008, , .	0.0	10
152	An Improved Matrix Converter Fed Induction Motor Vector Control Drive with Output Voltage Error Cancellation. IEEE Applied Power Electronics Conference and Exposition, 2007, , .	0.0	4
153	A Novel Commutation Method of Matrix Converter Fed Induction Motor Drive Using RB-IGBT. IEEE Transactions on Industry Applications, 2007, 43, 777-786.	4.9	36
154	A nonlinear robust controller for matrix converter fed induction motor drives. , 2005, , .		3
155	RB-IGBT gate drive circuit and its application in two-stage matrix converter. , 2005, , .		0
156	Speed control of induction motors using a nonlinear auto-disturbance rejection controller. , 0, , .		4
157	Design of matrix converter with bidirectional switches. , 0, , .		3
158	Combined control of matrix converter fed induction motor drive system. , 0, , .		12
159	A combined controller for induction motor fed by matrix converter. , 0, , .		0
160	A novel method to enhance the voltage transfer ratio of matrix converter. , 0, , .		6
161	A novel method to enhance the voltage transfer ratio of matrix converter. , 0, , .		2
162	A novel driving and protection circuit for reverse blocking IGBT used in matrix converter. , 0, , .		0

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163	An improved driving and protection circuit for reverse blocking IGBT. , 0, , .		2
164	Compensation control of matrix converter fed induction motor drive under abnormal input voltage conditions. , 0, , .		11
165	A novel safe shutdown strategy for matrix converter even under fault condition. , 0, , .		3
166	A novel commutation method of matrix converter fed induction motor drive using RB-IGBT. , 0, , .		2
167	Application of matrix converter in auxiliary drive system for diesel locomotives. , 0, , .		8
168	Performance Improvements for Matrix Converter Based on Reverse Blocking IGBT. , 0, , .		0