

# Yongdong Li

## List of Publications by Year in descending order

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228  
papers

4,136  
citations

201674  
27  
h-index

155660  
55  
g-index

229  
all docs

229  
docs citations

229  
times ranked

3178  
citing authors

#	ARTICLE	IF	CITATIONS
1	Decoupled Discrete Current Control for AC Drives at Low Sampling-to-Fundamental Frequency Ratios. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2023, 11, 1358-1369.	5.4	0
2	A High-Step-Up Low-Ripple and High-Efficiency DC-DC Converter for Fuel-Cell Vehicles. IEEE Transactions on Power Electronics, 2022, 37, 3555-3569.	7.9	21
3	Online Estimation of Per-Phase Stator Resistance Based on DC-Signal Injection for Condition Monitoring in Multiphase Drives. IEEE Transactions on Industrial Electronics, 2022, 69, 2227-2239.	7.9	16
4	General Analytical Model and Optimization for Leakage Inductances of Medium-Frequency Transformers. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 3511-3524.	5.4	15
5	A Quasi-Two-Level Medium-Voltage SiC MOSFET Power Module With Low Loss and Voltage Self-Balance. IEEE Transactions on Power Electronics, 2022, 37, 519-533.	7.9	12
6	A Comprehensive Framework for Robust AC/DC Grid State Estimation Against Measurement and Control Input Errors. IEEE Transactions on Power Systems, 2022, 37, 1067-1077.	6.5	7
7	Optimal Fault-Tolerant Control of Multiphase Drives Under Open-Phase/Open-Switch Faults Based on DC Current Injection. IEEE Transactions on Power Electronics, 2022, 37, 5928-5936.	7.9	18
8	Parasitic Parameter Extraction and Identification Method for HFT Based on DC-DC Converter in EV Application. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 4303-4318.	5.4	8
9	Submodule Fault-Tolerant Control of Modular Multilevel Matrix Converters With Adaptive Optimum Common-Mode Voltage Injection. IEEE Transactions on Power Electronics, 2022, 37, 7548-7554.	7.9	4
10	Fault Detection and Tolerant Control of IGBT Open-Circuit Failures in Modular Multilevel Matrix Converters. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 6714-6727.	5.4	7
11	A Generalized Simplified Virtual Vector PWM to Balance the Capacitor Voltages of Multilevel Diode-Clamped Converters. IEEE Transactions on Power Electronics, 2022, 37, 9377-9391.	7.9	13
12	A Generalized, Fast and Robust Open-Circuit Fault Diagnosis Technique for Star-connected Symmetrical Multiphase Drives. IEEE Transactions on Energy Conversion, 2022, , 1-1.	5.2	6
13	A Fuzzy Approximation for FCS-MPC in Power Converters. IEEE Transactions on Power Electronics, 2022, 37, 9153-9163.	7.9	23
14	Loss Imbalance and Transient DC-Bias Mitigation in Dual-Active-Bridge DC/DC Converters. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 1399-1409.	5.4	18
15	State Estimation for Situational Awareness of Active Distribution System With Photovoltaic Power Plants. IEEE Transactions on Smart Grid, 2021, 12, 239-250.	9.0	31
16	Improved Interleaved Discontinuous PWM for Zero-Sequence Circulating Current Reduction in Three-Phase Paralleled Converters. IEEE Transactions on Industrial Electronics, 2021, 68, 8676-8686.	7.9	24
17	Current Discrepancy Mitigation of Input-Parallel Output-Parallel Dual-Active-Bridge Converters Using Coupled Inductors. IEEE Transactions on Industrial Electronics, 2021, 68, 8182-8192.	7.9	12
18	An Active Gate Driver for Suppressing the Current Oscillation of SiC MOSFET., 2021, , .		4

#	ARTICLE	IF	CITATIONS
19	A Simple and Accurate Leakage Inductance Adjustment Method for Medium Frequency Transformer. , 2021, , .		0
20	An Online Global Fault-Tolerant Control Strategy for Symmetrical Multiphase Machines With Minimum Losses in Full Torque Production Range. IEEE Transactions on Power Electronics, 2020, 35, 2819-2830.	7.9	34
21	A Dual-Active-Clamp Quasi-Resonant Isolated Boost Converter for PV Integration to Medium-Voltage DC Grids. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 3444-3456.	5.4	17
22	Stability Analysis of Power Systems With Multiple STATCOMs in Close Proximity. IEEE Transactions on Power Electronics, 2020, 35, 2268-2283.	7.9	29
23	A Comprehensive Study of Common Mode Voltage Reduction and Neutral Point Potential Balance for a Back-to-Back Three-Level NPC Converter. IEEE Transactions on Power Electronics, 2020, 35, 7910-7920.	7.9	22
24	Analysis of STATCOM Small-Signal Impedance in the Synchronous $d-q$ Frame. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 1894-1910.	5.4	13
25	An Optimized Carrier-Based PWM Method and Voltage Balancing Control for Five-Level ANPC Converters. IEEE Transactions on Industrial Electronics, 2020, 67, 9120-9132.	7.9	37
26	Research on Modelling and Stability Characteristics of Electric Traffic Energy System Based on ZVS-DAB Converter. Journal of Electrical and Computer Engineering, 2020, 2020, 1-10.	0.9	1
27	Comprehensive control strategy and robust operation for input series output parallel power electronics transformers in MVDC grids. International Transactions on Electrical Energy Systems, 2020, 30, e12437.	1.9	0
28	A Generalized Carrier-Overlapped PWM Method for Neutral-Point-Clamped Multilevel Converters. IEEE Transactions on Power Electronics, 2020, 35, 9095-9106.	7.9	55
29	A Fast Multilevel SVPWM Method Based on the Imaginary Coordinate With Direct Control of Redundant Vectors or Zero Sequence Components. IEEE Open Journal of the Industrial Electronics Society, 2020, 1, 355-366.	6.8	10
30	Optimization of medium-frequency transformers with large capacity and high insulation requirement. , 2020, , .		6
31	Open-Loop Gate Control for Optimizing the Turn-ON Transition of SiC MOSFETs. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 1126-1136.	5.4	7
32	An offset-free robust model predictive control with incremental model and improved current observer for induction motor. International Transactions on Electrical Energy Systems, 2019, 29, e12130.	1.9	5
33	A High-Efficiency GaN-based Transmitter for Wireless Power Transfer System. , 2019, , .		2
34	A robust offset-free model predictive current control for induction motor based on incremental model and incremental current observer. , 2019, , .		3
35	Time Domain Analysis of Reactive Components and Optimal Modulation for Isolated Dual Active Bridge DC/DC Converters. IEEE Transactions on Power Electronics, 2019, 34, 7143-7146.	7.9	25
36	Shunt Isolated Active Power Filter With Common DC Link Integrating Braking Energy Recovery in Urban Rail Transit. IEEE Access, 2019, 7, 39180-39191.	4.2	6

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37	Enhanced rotor field-oriented control of multiphase induction machines based on symmetrical components theory. IET Power Electronics, 2019, 12, 656-666.	2.1	18
38	System-Level Efficiency Evaluation of Isolated DC/DC Converters in Power Electronics Transformers for Medium-Voltage DC Systems. IEEE Access, 2019, 7, 48445-48458.	4.2	17
39	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
40	Submodule Topology Comparisons of DAB Based PET in MVDC Distribution Application. , 2019, , .		0
41	Analysis and Control of Current Harmonics in Multiphase Machines in Fault-tolerant Operation against Open-phase Faults. , 2019, , .		2
42	Hybrid Dynamic Voltage Balancing Technique for Series-Connected SiC MOSFETs. , 2019, , .		2
43	Shunt Isolated Active Power Filter with Common DC Link in Urban Rail Transit System. , 2019, , .		0
44	Online Parameter Identification for Surface-Mounted Permanent Magnet Synchronous Machine Based on Affine Projection Algorithm. , 2019, , .		4
45	Accurate frequency-domain analysis and hybrid control method for isolated dual active bridge series resonant DC/DC converters. IET Power Electronics, 2019, 12, 2932-2941.	2.1	8
46	Common Mode Voltage and Neutral Point Potential Optimization Control for a Three-Level NPC Inverter. , 2019, , .		3
47	A Neutral-Point Potential Balancing Method for a Three-Level Neutral-Point-Clamped Back-to-Back Converter. , 2019, , .		2
48	Impact of the Parasitic Resistors in Compensation Inductors on a Multi-stage and Multi-load Wireless Power Transfer System. , 2019, , .		1
49	Optimized Carrier Disposition Based Discontinuous Pulse-width Modulation Method for three-level NPC Converters. , 2019, , .		0
50	Novel Analysis and Optimal Modulation Scheme of Reactive Power in Isolated Dual Active Bridge DC/DC Converter. , 2019, , .		1
51	Zero Sequence Circulating Current Reduction of Paralleled Converters With Interleaved Discontinuous PWM. , 2019, , .		2
52	Switching Losses Reduction of Grid-tied Inverters With Variable Switching Frequency Discontinuous PWM. , 2019, , .		2
53	A Modified PSPWM for a Five-Level Hybrid-Clamped Inverter to Reduce Flying Capacitor Size. IEEE Transactions on Industry Applications, 2019, 55, 1658-1666.	4.9	23
54	An Improved Model Predictive Direct Torque Control Strategy for Reducing Harmonic Currents and Torque Ripples of Five-Phase Permanent Magnet Synchronous Motors. IEEE Transactions on Industrial Electronics, 2019, 66, 5820-5829.	7.9	59

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55	Analysis and Suppression of Shaft Voltage in SiC-Based Inverter for Electric Vehicle Applications. IEEE Transactions on Power Electronics, 2019, 34, 6276-6285.	7.9	48
56	A Novel Carrier-Overlapped PWM Method for Four-Level Neutral-Point Clamped Converters. IEEE Transactions on Power Electronics, 2019, 34, 7-12.	7.9	53
57	A High Step-Up Modular Isolated DC-DC Converter for Large Capacity Photovoltaic Generation System Integrated into MVDC Grids. , 2019, , .		6
58	A Nine-level ANPC/H-Bridge Inverter for Open-Winding Motor Drive System. , 2019, , .		1
59	SHE-PWM Control for A Four-level Hybrid-Clamped Inverter. , 2019, , .		4
60	Optimized Branch Current Control of Modular Multilevel Matrix Converters Under Branch Fault Conditions. IEEE Transactions on Power Electronics, 2018, 33, 4578-4583.	7.9	29
61	Research on common mode voltage suppression of three-phase four-bridge matrix converter considering unbalance inductance. , 2018, , .		0
62	A Sawtooth Carrier-Based PWM for Asymmetrical Six-Phase Inverters With Improved Common-Mode Voltage Performance. IEEE Transactions on Power Electronics, 2018, 33, 9444-9458.	7.9	26
63	Topology and Control of a Five-Level Hybrid-Clamped Converter for Medium-Voltage High-Power Conversions. IEEE Transactions on Power Electronics, 2018, 33, 4690-4702.	7.9	40
64	Analysis and Suppression of Common Mode Voltage for SiC Inverters in Electric Vehicle Applications. , 2018, , .		3
65	Utility-Scale PV Inverter Impedances in D-Q Frame Under Different Q-Control Modes. , 2018, , .		1
66	Research on Topology and Control of Household Energy Routers Based on Direct AC/AC Power Electronic Transformer. , 2018, , .		4
67	Onboard DC Solid State Transformer Based on Series Resonant Dual Active Bridge Converter. , 2018, , .		4
68	A Modular Cascaded Multilevel Buck Converter Based on GaN Devices Designed for High Power Envelope Elimination and Restoration Applications. , 2018, , .		13
69	MRAS Based Sensorless Control of High Speed PMSMs with I-F Startup Strategy. , 2018, , .		1
70	Stability Impact of PV Inverter Generation on Medium Voltage Distribution Systems. , 2018, , .		0
71	An Improved Phase-Shifted PWM for a Five-level Hybrid-Clamped Converter. , 2018, , .		2
72	Vector control implementation in field programmable gate array for 200kHz GaN-based motor drive systems. Journal of Engineering, 2018, 2018, 650-653.	1.1	1

#	ARTICLE	IF	CITATIONS
73	A New Control Strategy for Modular Multilevel Converter Operating in Quasi Two-Level PWM Mode. , 2018, , .		12
74	Research on threeâ€phase fourâ€leg matrix converter based more electric aircraft wing ice protection system. Journal of Engineering, 2018, 2018, 529-533.	1.1	3
75	A Modular Multilevel T-Type Inverter Based on SVPWM for PV System Application. , 2018, , .		2
76	Assessment of Virtual Synchronous Machine based Control in Grid-Tied Power Converters. , 2018, , .		7
77	CMV reduction for fiveâ€level ANPC converter by PSâ€PWM strategy. Journal of Engineering, 2018, 2018, 425-431.	1.1	0
78	A Novel Hybrid T-Type Three-Level Inverter Based on SVPWM for PV Application. Journal of Electrical and Computer Engineering, 2018, 2018, 1-12.	0.9	4
79	Research on spaceâ€vector modulation and commonâ€mode voltage of fourâ€leg matrix converter. Journal of Engineering, 2018, 2018, 558-564.	1.1	0
80	A Modular-Cascaded Active-Balanced Storage System for Electric Transportation. , 2018, , .		2
81	230 VAC/28 VDC highâ€power density power supply for more electric aircraft applications. Journal of Engineering, 2018, 2018, 499-505.	1.1	11
82	Permanent magnet synchronous machine starter/generators based highâ€voltage DC parallel electric power system for the more electric aircraft. Journal of Engineering, 2018, 2018, 565-569.	1.1	12
83	Hardwareâ€inâ€theâ€loop realâ€time platform for more electric aircraft. Journal of Engineering, 2018, 2018, 446-452.	1.1	2
84	Phaseâ€shift full bridge power supply based on SiC devices. Journal of Engineering, 2018, 2018, 453-460.	1.1	2
85	Hierarchical System Design and Control of an MMC-Based Power-Electronic Transformer. IEEE Transactions on Industrial Informatics, 2017, 13, 238-247.	11.3	79
86	Research on Output Voltage Modulation of a Five-Level Matrix Converter. IEEE Transactions on Power Electronics, 2017, 32, 2568-2583.	7.9	7
87	Enhancing Fault-Tolerant Ability of a Nine-Phase Induction Motor Drive System Using Fuzzy Logic Current Controllers. IEEE Transactions on Energy Conversion, 2017, 32, 759-769.	5.2	52
88	Sensorless vector control of multiphase induction machine based on full-order observer and harmonic suppression. , 2017, , .		0
89	Semi-physical real-time test platform for aviation power system. , 2017, , .		2
90	Stability assessment of utility PV integration to the distributed systems based on D-Q frame impedances and GNC. , 2017, , .		4

#	ARTICLE	IF	CITATIONS
91	Topology and Capacitor Voltage Balancing Control of a Symmetrical Hybrid Nine-Level Inverter for High-Speed Motor Drives. IEEE Transactions on Industry Applications, 2017, 53, 5563-5572.	4.9	64
92	Capacitor voltage estimation method of a symmetrical hybrid nine-level inverter with reduced voltage sensors. , 2017, , .		1
93	Application of D-Q frame impedance-based stability criterion in power systems with multiple STATCOMs in proximity. , 2017, , .		6
94	Fault-tolerant control of multiphase induction machine drives based on virtual winding method. , 2017, , .		1
95	Rotor flux-Oriented Control of PMSM with synchronized carrier SVPWM and zero sequence voltage injection over-modulation for traction application in very low switching frequency. , 2017, , .		2
96	Multi-mode SHEPWM with low switch frequency for traction application. , 2017, , .		6
97	Stability analysis on D-Q frame impedances in power systems with multiple STATCOMs in proximity. , 2017, , .		2
98	Analysis of small-signal impedance of STATCOMs in D-Q frame. , 2017, , .		3
99	General modulation optimization methods of dual-active-bridge (DAB) converters. , 2017, , .		4
100	PET applicable to 3-phase medium-voltage AC grid with DC bus self-balancing capacity. , 2017, , .		2
101	Sensorless fault-tolerant control of multiphase induction machine using virtual winding and adaptive observer. , 2017, , .		2
102	Common-mode voltage reduction for three-phase-to-four-leg direct matrix converter with a novel control strategy. , 2017, , .		3
103	AC impedance derivation of utility scale PV farm. , 2017, , .		1
104	A symmetrical hybrid nine-level inverter for high speed open-winding motor drive system. , 2016, , .		7
105	Efficiency evaluation of a four-level hybrid-clamped inverter with SiC MOSFETs. , 2016, , .		0
106	A modular DC solid state transformer for future onboard DC grid. , 2016, , .		7
107	Impact of PV inverter generation on voltage profile and power loss in medium voltage distribution systems. , 2016, , .		1
108	Stabilization and assessment of interaction dynamics for More Electric Aircraft. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
109	Synchronous SVPWM over-modulation method based on zero-sequence voltage injection in locomotive traction. , 2016, , .		5
110	Experimental verification of a virtual synchronous generator control concept. , 2016, , .		2
111	Impact of PV inverter penetration on voltage profile and power loss in medium voltage distribution systems. , 2016, , .		10
112	Impedance-based stability analysis of multiple STATCOMs in proximity. , 2016, , .		12
113	An envelope tracking power amplifier based on GaN HEMTs. , 2016, , .		1
114	Capacitor design optimization and power balance control for LLC resonant converter based power electronic traction transformer. , 2016, , .		3
115	An energy router based on multi-winding high-frequency transformer. , 2016, , .		11
116	Current Balance Control for Symmetrical Multiphase Inverters. IEEE Transactions on Power Electronics, 2016, 31, 4005-4012.	7.9	24
117	Reduction of Common-Mode Voltage in Multiphase Two-Level Inverters Using SPWM With Phase-Shifted Carriers. IEEE Transactions on Power Electronics, 2016, 31, 6631-6645.	7.9	103
118	Modeling and Control of a Multiport Power Electronic Transformer (PET) for Electric Traction Applications. IEEE Transactions on Power Electronics, 2016, 31, 915-927.	7.9	159
119	A carrier-based PWM method with zero-sequence current elimination for multiphase double-end winding drives. , 2015, , .		3
120	A branch energy control method based on optimized neutral-point voltage injection for a hexagonal modular multilevel direct converter (Hexverter). , 2015, , .		12
121	A hybrid converter for energy management of EV drives. , 2015, , .		1
122	Module-capacitor voltage fluctuation optimization control for an alternate arm converter. , 2015, , .		7
123	A common-mode voltage reduction method for a back-to-back four-level hybrid-clamped converter. , 2015, , .		10
124	A capacitor voltage balancing strategy for a five-level hybrid-clamped inverter. , 2015, , .		5
125	Fuzzy Logic Vector Control design for fault-tolerant control of a 15-phase induction machine. , 2015, , .		3
126	Design, analysis and experimental evaluation of a virtual-synchronous-machine-based STATCOM with LCL filter. , 2015, , .		3



#	ARTICLE	IF	CITATIONS
127	Multi-objective optimization control of a four-level hybrid-clamped inverter. , 2015, , .		1
128	Assessment of medium voltage distribution feeders under high penetration of PV generation. , 2015, , .		2
129	Active and reactive power flow analysis of a STATCOM with virtual synchronous machine control. , 2015, , .		10
130	Modeling and control of grid-connected voltage-source converters emulating isotropic and anisotropic synchronous machines. , 2015, , .		26
131	Control strategies of a multiport power electronic transformer (PET) for DC distribution applications. , 2015, , .		6
132	Capacitor Voltage Balancing of a Five-Level ANPC Converter Using Phase-Shifted PWM. IEEE Transactions on Power Electronics, 2015, 30, 1147-1156.	7.9	142
133	Control strategy of the modular Multilevel Matrix Converter. , 2014, , .		1
134	PWM strategy of a novel cascaded multi-level converter for battery management. , 2014, , .		4
135	Comparison of four carrier-based PWM methods for two-level five-phase inverter. , 2014, , .		3
136	Evaluation and control design of virtual-synchronous-machine-based STATCOM for grids with high penetration of renewable energy. , 2014, , .		21
137	Fuel cell applications on more electrical aircraft. , 2014, , .		13
138	Control of AC-capacitor clamped three & five level matrix converter using voltage & current modulation. , 2014, , .		0
139	A novel modulation with voltage balancing control for a modular matrix converter. , 2014, , .		2
140	A new five-level hybrid-clamped converter with reduced number of clamping devices. , 2014, , .		8
141	Power characteristics of isolation units in a novel power electronic transformer (PET) for locomotive traction applications. , 2014, , .		3
142	Control strategy of a multi-level converter with multi-winding MFT/HFT isolation. , 2014, , .		6
143	A novel medium-frequency-transformer isolated matrix converter for wind power conversion applications. , 2014, , .		6
144	Parameter identification of nine-phase induction machines with concentrated windings. , 2014, , .		5

#	ARTICLE	IF	CITATIONS
145	Control of variable pitch and variable speed direct-drive wind turbines in weak grid systems with active power balance. IET Renewable Power Generation, 2014, 8, 119-131.	3.1	63
146	A Hybrid Cascaded Multilevel Converter for Battery Energy Management Applied in Electric Vehicles. IEEE Transactions on Power Electronics, 2014, 29, 3537-3546.	7.9	216
147	Stability and Voltage Balance Control of a Modular Converter With Multiwinding High-Frequency Transformer. IEEE Transactions on Power Electronics, 2014, 29, 4183-4194.	7.9	39
148	Modeling of a virtual synchronous machine-based grid-interface converter for renewable energy systems integration. , 2014, , .		38
149	Analysis and design of virtual synchronous machine based STATCOM controller. , 2014, , .		30
150	Adaptive Multi-Mode Power Control of a Direct-Drive PM Wind Generation System in a Microgrid. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2013, 1, 217-225.	5.4	38
151	Neutral-Point Potential Balancing of a Five-Level Active Neutral-Point-Clamped Inverter. IEEE Transactions on Industrial Electronics, 2013, 60, 1907-1918.	7.9	135
152	Voltage Balancing and Fluctuation-Suppression Methods of Floating Capacitors in a New Modular Multilevel Converter. IEEE Transactions on Industrial Electronics, 2013, 60, 1943-1954.	7.9	321
153	A novel voltage balancing method of cascaded H-bridge rectifiers for locomotive traction applications. , 2013, , .		2
154	Voltage balancing control of a four-level hybrid-clamped inverter using modified phase-shifted PWM. , 2013, , .		4
155	Voltage balance control of a modular cascaded converter with MWHF transformer. , 2013, , .		1
156	Capacitor voltage balancing of five-level ANPC converter based on zero-sequence voltage injection using PS-PWM. , 2013, , .		2
157	A novel MPC flux weakening method for induction motor applied in electric wheel. , 2013, , .		4
158	A Fuzzy logic based parameter auto-tuning method in MRAS for sensorless interior permanent magnet synchronous motor drives with cyclic fluctuating load. , 2013, , .		2
159	Modeling and control strategy for cascade bi-directional DC/DC converter in Microgrid. , 2012, , .		3
160	A novel hybrid-clamped four-level converter. , 2012, , .		10
161	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
162	Multi-objective optimization PWM control for a back-to-back five-level ANPC converter. , 2012, , .		9

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163	An improved rotor speed estimation method of IPMSM drives with cyclic fluctuating load. , 2012, , .		0
164	Power balancing control of a multilevel converter using high-frequency multi-winding transformer. , 2012, , .		3
165	Novel adaptive power control of a Direct-drive PM wind generation system in a micro grid. , 2012, , .		9
166	A Transformer-Less High-Power Converter for Large Permanent Magnet Wind Generator Systems. IEEE Transactions on Sustainable Energy, 2012, 3, 318-329.	8.8	88
167	Torque Ripple Reduction of the Torque Predictive Control Scheme for Permanent-Magnet Synchronous Motors. IEEE Transactions on Industrial Electronics, 2012, 59, 871-877.	7.9	171
168	Direct power control of doubly-fed-induction-generator-based wind turbines under asymmetrical grid voltage dips. , 2012, , .		1
169	Composite converter of hybrid storage in distributed renewable energy generation system. , 2011, , .		8
170	Control strategy of high performance IPMSM drive in wide speed range. , 2011, , .		0
171	Voltage fluctuation suppression method of floating capacitors in a new modular multilevel converter. , 2011, , .		12
172	Application and challenges of power electronics for variable frequency electric power system of more electric aircraft. , 2011, , .		5
173	Control strategies of DC-bus voltage in islanded operation of microgrid. , 2011, , .		19
174	A neutral-point potential balancing algorithm for five-level ANPC converters. , 2011, , .		9
175	A Converter-Based Starting Method and Speed Control of Doubly Fed Induction Machine With Centrifugal Loads. IEEE Transactions on Industry Applications, 2011, 47, 1409-1418.	4.9	39
176	Balance control of DC-link voltage between phases for cascade active power filter with star configuration. , 2011, , .		2
177	A new adaptive flux weakening method of PMSM. , 2011, , .		5
178	A control method for grid-friendly photovoltaic systems with hybrid energy storage units. , 2011, , .		22
179	PI type dynamic decoupling control scheme for PMSM high speed operation. , 2010, , .		37
180	Control of variable pitch, variable speed wind turbine in weak grid systems. , 2010, , .		7

#	ARTICLE	IF	CITATIONS
181	Energy management of hybrid DC and AC bus linked microgrid. , 2010, , .		27
182	Voltage balancing control and experiments of a novel modular multilevel converter. , 2010, , .		21
183	A transformerless modular permanent magnet wind generator system with minimum generator coils. , 2010, , .		8
184	A doubly fed induction machine based solution to medium frequency power supply. , 2009, , .		2
185	A Common-Mode Voltage Mitigation Method Based on the Universal PWM Algorithm for Neutral Point Clamped Converters. , 2009, , .		3
186	A converter based adjustable speed drive for doubly fed induction machine with centrifugal loads. , 2009, , .		1
187	DC-link Voltage Control of a Full Power Converter for Wind Generator Operating in Weak-Grid Systems. IEEE Transactions on Power Electronics, 2009, 24, 2178-2192.	7.9	190
188	Sensor-less Drive of Induction Motor Based on A New Hybrid Cascaded Multilevel Inverter. , 2009, , .		3
189	PIR-based control for three-phase PWM rectifier with H-bridge load. , 2009, , .		3
190	Interior Permanent-Magnet Synchronous Motor Design for Improving Self-Sensing Performance at Very Low Speed. IEEE Transactions on Industry Applications, 2009, 45, 1939-1946.	4.9	54
191	Low Voltage Ride-Through of high power DFIG wind turbine using three-level NPC converters. , 2009, , .		3
192	A new transformerless cascaded multilevel converter topology. , 2009, , .		16
193	Improved Crowbar Control Strategy of DFIG Based Wind Turbines for Grid Fault Ride-Through. , 2009, , .		59
194	Reconfiguration of control strategies for high power DFIG wind turbine system to meet grid code requirements. , 2009, , .		0
195	High-Performance Control Strategies and Applications of a New Hybrid Cascaded Multilevel Inverter. , 2008, , .		8
196	A novel position sensor-less control scheme of Doubly Fed Induction Wind Generator based on MRAS method. , 2008, , .		8
197	Stability analysis of doubly-fed induction wind generator operating at low power factor mode. , 2008, , .		1
198	High Performance PMSM Sensorless Control with Load Torque Observation. , 2007, , .		8

#	ARTICLE	IF	CITATIONS
199	Comparison of signal injection methods for sensorless control of PMSM at very low speeds. , 2007, , .		5
200	Sensorless control of PMSM based on extended kalman filter. , 2007, , .		32
201	Investigation of Control Method for a New Hybrid Cascaded Multilevel Inverter. , 2007, , .		7
202	Two Signal Injection Methods for Sensorless Control of PMSM at Very Low Speeds. , 2007, , .		13
203	PWM rectifier in power cell of cascaded H-bridge multilevel converter. , 2007, , .		13
204	Power flow management of a new hybrid cascaded multilevel inverter. , 2007, , .		8
205	Design and implementation of load imitation system by DC motor. , 2005, , .		1
206	A speed fluctuation reduction method for sensorless PMSM-compressor system. , 2005, , .		11
207	A speed fluctuation reducing method for sensorless PMSM-compressor system in air-conditioners. , 2005, , .		0
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209	A novel stator-flux oriented speed sensorless induction motor control system using flux tracking strategy. , 1999, , .		1
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