Liuchen Chang

List of Publications by Year
in descending order

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222 papers	4,781 citations	136740 32 h-index	118652 62 g-index
222 all docs	222 docs citations	222 times ranked	3760 citing authors

#	Article	IF	Citations
1	Digital Current Controller With a Novel Active Damping Design for IPMSM. IEEE Transactions on Energy Conversion, 2022, 37, 185-197.	3.7	8
2	Advanced Soft Stall Control for Protection of Small-Scale Wind Generation Systems. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 273-284.	3.7	2
3	Review of Grid-forming Inverters in Support of Power System Operation. Chinese Journal of Electrical Engineering, 2022, 8, 1-15.	2.3	37
4	Hope for Resuming Our In-Person Events [Presidentâ€™s Message]. IEEE Power Electronics Magazine, 2022, 9, 8-12.	0.6	0
5	Hybrid Modulation and Power Decoupling Control on Single-Phase Bridge Inverter With Buck-Boost Converter. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 5851-5864.	3.7	7
6	Pulse Energy Modulation for a Single-Phase Bridge Inverter With Active Power Decoupling Capability. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 2014-2026.	3.7	5
7	Robust Hierarchical Control Mechanism for Aggregated Thermostatically Controlled Loads. IEEE Transactions on Smart Grid, 2021, 12, 453-467.	6.2	30
8	Reliability and Performance Improvement of PUC Converter Using a New Single-Carrier Sensor-Less PWM Method With Pseudo Reference Functions. IEEE Transactions on Power Electronics, 2021, 36, 6092-6105.	5.4	18
9	Single-Phase Buckâ€“Boost Inverter With Pulse Energy Modulation. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 897-909.	3.7	3
10	Review of Power System Support Functions for Inverter-Based Distributed Energy Resources-Standards, Control Algorithms, and Trends. IEEE Open Journal of Power Electronics, 2021, 2, 88-105.	4.0	61
11	A modified indirect extraction method for a single-phase shunt active power filter with smaller DC-link capacitor size. Sustainable Energy Technologies and Assessments, 2021, 45, 101039.	1.7	4
12	Planning Smart Grid Functions in Residential Loads Using a Virtual Equivalent Battery Storage Unit. IEEE Transactions on Industry Applications, 2021, 57, 4441-4455.	3.3	2
13	Conservative power theory and its applications in modern smart grid: Review and prospect. Applied Energy, 2021, 303, 117617.	5.1	9
14	Novel high voltage gain dcâ€“dc converter with dynamic analysis. IET Power Electronics, 2021, 14, 562-583.	1.5	2
15	Advanced Decoupling Techniques for Grid-Connected Inverters With Multiple Inputs. IEEE Access, 2021, 9, 148409-148420.	2.6	0
16	Parameters Stability Region Analysis of Diesel Generation Forming Hybrid Islanded Microgrid with High Penetration of Renewable Energy. , 2021, , .		0
17	Modeling and frequency characteristic analysis of DSOGI-PLL in dq reference frame. Energy Reports, 2021, 7, 545-551.	2.5	3
18	Comparison of Different Parameter Optimization Objectives under DCSCF for MMC-HYDC-Grid. , 2021, , .		0

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19	Parameters Inversion of Equivalent RLC Fault Circuit for MMC-HVDC Grid Based on BP Neural Network. , 2021, , .		0
20	Analysis on Fault Current Evolution for MMC-HVDC Grid Considering Fault Current Limiter and Grounding Mode. , 2021, , .		0
21	Single-phase grid-connected PV system with golden section search-based MPPT algorithm. Chinese Journal of Electrical Engineering, 2021, 7, 25-36.	2.3	31
22	Single-Phase Voltage Source Inverter With Voltage Boosting and Power Decoupling Capabilities. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 2977-2988.	3.7	12
23	Fault Detection and Identification Scheme for Dual-Inverter Fed OEWIM Drive. IEEE Transactions on Industrial Electronics, 2020, 67, 6112-6123.	5.2	20
24	A Novel Domestic Electric Water Heater Control Method. IEEE Transactions on Smart Grid, 2020, 11, 3246-3256.	6.2	18
25	Identification of the Strong IGBT Switching Spikes. , 2020, , .		2
26	Advanced Variable Switching Frequency Control for Improving Weighted Efficiency of Distributed Renewable Generation Systems. IEEE Access, 2020, , 1-1.	2.6	4
27	Novel high gain DCâ€“DC converter based on coupled inductor and diode capacitor techniques with leakage inductance effects. IET Power Electronics, 2020, 13, 2380-2389.	1.5	12
28	An Electrical Stall Control Algorithm for Small-Scale Wind Generation System using Aerodynamic Observer. , 2020, , .		2
29	Group-Based Control for Domestic Electric Water Heaters Using Quantum-Inspired Evolutionary Algorithm. , 2020, , .		1
30	A Novel Control Algorithm for Small-Scale Wind Generation System using Aerodynamic Torque Estimator. , 2020, , .		2
31	An Adjustable Algorithm for Power Spike Smoothing. , 2020, , .		0
32	A Fault Detection Method for MMC-HVDC Grid Based on Transient Energy of DC Inductor and Submodule Capacitors. , 2020, , .		0
33	A Novel DC-Link Voltage Control for Small-Scale Grid-Connected Wind Energy Conversion System. , 2019, , .		5
34	Solid-State Transformers for Distribution Systemsâ€“Part I: Technology and Construction. IEEE Transactions on Industry Applications, 2019, 55, 4524-4535.	3.3	56
35	Schedulable capacity forecasting for electric vehicles based on big data analysis. Journal of Modern Power Systems and Clean Energy, 2019, 7, 1651-1662.	3.3	17
36	Solid-State Transformers for Distribution Systemsâ€“Part II: Deployment Challenges. IEEE Transactions on Industry Applications, 2019, 55, 5708-5716.	3.3	42

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37	Bottom-Up Load Forecasting With Markov-Based Error Reduction Method for Aggregated Domestic Electric Water Heaters. IEEE Transactions on Industry Applications, 2019, 55, 6401-6413.	3.3	23
38	A Novel Adaptive Observer-Based DC-Link Voltage Control for Grid-Connected Power Converters. , 2019, , .		2
39	Guest Editorial Joint Special Section on Power Conversion & Control in Photovoltaic Power Plants. IEEE Transactions on Energy Conversion, 2019, 34, 159-160.	3.7	1
40	Genetic Optimization Method of Pantograph and Catenary Comprehensive Monitor Status Prediction Model Based on Adadelta Deep Neural Network. IEEE Access, 2019, 7, 23210-23221.	2.6	35
41	Closed-loop Active Power Decoupling Control with Capacitor Current Feedforward for Single-Phase Bridge Inverter Based on Boost Converter. , 2019, , .		2
42	High boost transformerâ€based Zâ€source inverter under continuous input current profile. IET Power Electronics, 2019, 12, 3716-3723.	1.5	9
43	Generalized Energy Storage Configuration Method Based on Bi-level Optimization for Distribution Power System with High Penetration of Renewable Energy. , 2019, , .		1
44	Coupledâ€inductorâ€based high stepâ€up DCâ€“DC converter. IET Power Electronics, 2019, 12, 3093-3104.	1.5	18
45	A Decoupling Estimation Scheme for Rotor Resistance and Mutual Inductance in Indirect Vector Controlled Induction Motor Drives. IEEE Transactions on Energy Conversion, 2019, 34, 1033-1042.	3.7	21
46	Multi-Objective Power Management for EV Fleet With MMC-Based Integration Into Smart Grid. IEEE Transactions on Smart Grid, 2019, 10, 1428-1439.	6.2	41
47	Improved SVM for High Gain Tri-state CSI to Reduce DC Side Inductor Current Ripple. , 2019, , .		0
48	Predictive Current Controller for Single-Phase Grid-Connected VSIs With Compensation for Time-Delay Effect and System Uncertainty. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 1761-1768.	3.7	17
49	Single-Phase Differential Buckâ€“Boost Inverter With Pulse Energy Modulation and Power Decoupling Control. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 2060-2072.	3.7	33
50	A Modified Bus-Split Method for Aggregating Distributed Generation Units. IEEE Transactions on Industry Applications, 2018, 54, 1080-1091.	3.3	2
51	Integrated Multi-Horizon Power and Energy Forecast for Aggregated Electric Water Heaters. , 2018, , .		2
52	Single-Phase Voltage Source Inverter with Power Decoupling and Reactive Power Control. , 2018, , .		4
53	Stability Analysis Method for Interconnected AC Islanded Microgrids. , 2018, , .		3
54	Parameter Identification of Controller for Photovoltaic Inverter Based on L-M Method. , 2018, , .		6

#	Article	IF	Citations
55	Parameter Optimization Design of MMC-EVIS. , 2018, , .		1
56	Optimal Size and Multi-objective Control of Battery Energy Storages in Distribution System with High Penetration of Distributed PV Generators. , 2018, , .		0
57	Coordination Control for Paralleled Inverters Based on VSG for PV/Battery Microgrid. , 2018, , .		5
58	Single-Phase Voltage Source Inverter with Power Decoupling and Minimal Voltage Stress Modulation. , 2018, , .		1
59	Optimal Scheduling of Spinning Reserve and User Cost in Vehicle-to-Grid (V2G) Systems. , 2018, , .		10
60	Grid Power-Smoothing Performance Improvement for PV and Electric Vehicle (EV) Systems. , 2018, , .		4
61	Multilevel Inverters for Grid-Connected Photovoltaic Applications: Examining Emerging Trends. IEEE Power Electronics Magazine, 2018, 5, 32-41.	0.6	105
62	Single-Phase Bridge Inverter with Active Power Decoupling Based on Buck-Boost Converter. , 2018, , .		2
63	Single-Phase Voltage Source Inverter with Pulse Energy Modulation for Power Decoupling. , 2018, , .		0
64	A Novel Online Parameter Estimation Method for Indirect Field Oriented Induction Motor Drives. IEEE Transactions on Energy Conversion, 2017, 32, 1562-1573.	3.7	68
65	Power decoupling method for single-phase buck-boost inverter with energy-based control. , 2017, , .		8
66	A decentralized multi-framed droop-controller for improving harmonic power sharing in an islanded microgrid. , 2017, , .		0
67	Multi-time scale forecast for schedulable capacity of EVs based on big data and machine learning. , 2017, , .		12
68	Single-phase voltage source inverter with voltage-boosting and power decoupling capabilities. , 2017, , .		2
69	Analytical Method for DFIG Transients During Voltage Dips. IEEE Transactions on Power Electronics, 2017, 32, 6863-6881.	5.4	37
70	Operation optimization for multi-microgrids based on centralized-decentralized hybrid hierarchical energy management. , 2017, , .		9
71	Active and reactive power decoupling control of grid-connected inverters in stationary reference frame. Chinese Journal of Electrical Engineering, 2017, 3, 18-24.	2.3	1
72	Optimal design and experiment validation of switching inductor based tri-state CSI. , 2017, , .		0

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73	Research on fast modeling and super real-time simuation for grid-connected PV system. , 2017, , .		0
74	Review on Distributed Energy Storage Systems for Utility Applications. CPSS Transactions on Power Electronics and Applications, 2017, 2, 267-276.	2.9	58
75	Decentralized optimization for economic operation of islanding microgrids based on Gossip algorithm. , 2017, , .		1
76	Modified pulse energy modulation technique of a three-switch buck-boost inverter. , 2016, , .		3
77	Multi-objective power management strategy for MMC-Based EV Fleet Integrated into smart grid. , 2016, , .		4
78	Power balance control and circulation current suppression for MMC-based EV integration system considering users' requirements. , 2016, , .		0
79	Operation and configuration optimization of a CCHP system for general building load. , 2016, , .		1
80	Editorial Special Issue on Resilient Microgrids. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2016, 4, 1145-1146.	3.7	1
81	An optimal secondary voltage control strategy for islanded microgrid. , 2016, , .		1
82	A mixed decoupling power method for single-phase grid-connected inverters. , 2016, , .		5
83	Pulse energy modulation of a single-phase transformer-less inverter with active decoupling. , 2016, , .		3
84	An Optimal Secondary Voltage Control Strategy for an Islanded Multibus Microgrid. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2016, 4, 1236-1246.	3.7	43
85	Reliable power supply capability analysis for electric distribution network including distributed generations based on probabilistic reliability. , 2016, , .		1
86	Voltage regulation of microgrids containing electric vehicles. , 2016, , .		0
87	Cascaded multilevel inverter using series connection of novel capacitorâ€based units with minimum switch count. IET Power Electronics, 2016, 9, 2060-2075.	1.5	58
88	Power control of a multiport bidirectional DC-DC module for V2G. , 2016, , .		0
89	A Modified Static Ground Power Unit Based on Novel Modular Active Neutral Point Clamped Converter. IEEE Transactions on Industry Applications, 2016, 52, 4243-4256.	3.3	35
90	Generalized Structure for a Single Phase Switched-Capacitor Multilevel Inverter Using a New Multiple DC Link Producer With Reduced Number of Switches. IEEE Transactions on Power Electronics, 2016, 31, 5604-5617.	5.4	224

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91	A Cascaded Modular Multilevel Inverter Topology Using Novel Series Basic Units with a Reduced Number of Power Electronic Elements. Journal of Power Electronics, 2016, 16, 2139-2149.	0.9	15
92	Bootstrap prediction interval estimation for wind speed forecasting. , 2015, , .		14
93	Stand Alone Performance of Permanent Magnet Synchronous Wind Power Generator with Current Source Matrix Converter. Electric Power Components and Systems, 2015, 43, 1018-1027.	1.0	3
94	Fault diagnosis and on-line monitoring for grid-connected single-phase inverters. Electric Power Systems Research, 2015, 126, 68-77.	2.1	22
95	A comparative study of various methods of IM's rotor resistance estimation. , 2015, , .		6
96	Robust predictive current control for grid-connected VSIs with compensation for time-delay effect and uncertain system disturbances. , 2015, , .		3
97	Interactive energy management strategy for MMC-based EV fleet integrated into smart grid. , 2015, , .		6
98	Energy Cost Estimation of Small Wind Power Systemsâ€"An Integrated Approach. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2015, 3, 945-956.	3.7	9
99	Droop control based stabilizing method for V/f PWM inverter fed induction motor drive system. , 2015, , .		0
100	A parameter-robust sliding mode observer for speed sensorless torque control of PMSG in wind power generation system. , 2015, , .		0
101	Fault Diagnoses for Industrial Grid-Connected Converters in the Power Distribution Systems. IEEE Transactions on Industrial Electronics, 2015, 62, 6496-6507.	5.2	54
102	Closed-loop control on PMSG torque in direct-drive wind power generation system without speed sensor. , 2015, , .		0
103	A simple approach to current THD prediction for small-scale grid-connected inverters. , 2015, , .		6
104	Passive Islanding Detection Approach Based on Tracking the Frequency-Dependent Impedance Change. IEEE Transactions on Power Delivery, 2015, 30, 2570-2580.	2.9	41
105	Closed-Loop Pulse Energy Modulation of a Three-Switch Buck-Boost Inverter. , 2015, , .		4
106	A modified static ground power unit based on active natural point clamped converter. , 2015, , .		18
107	Q-learning algorithm based multi-agent coordinated control method for microgrids. , 2015, , .		5
108	A single-stage high gain current source inverter for grid-connected photovoltaic system. , 2015, , .		4

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109	A Reference Impedance-Based Passive Islanding Detection Method for Inverter-Based Distributed Generation System. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2015, 3, 1205-1217.	3.7	44
110	A SCR crowbar commutated with rotor-side converter for doubly fed wind turbines. , 2015, , .		1
111	PI parameters design of universal controller for PMSG-WGS based on per-unit system. , 2015, , .		2
112	Identification and Estimation for Electric Water Heaters in Direct Load Control Programs. IEEE Transactions on Smart Grid, 2015, , 1-9.	6.2	43
113	Z-impedance enhanced trans-Z-source inverters with switched. , 2015, , .		2
114	Advanced current control based on linear quadratic regulators for 3-phase grid-connected inverters. , 2015, , .		4
115	An analytical method for the response of DFIG under voltage dips. , 2015, , .		4
116	Accurate Output Power Control of Converters for Microgrids Based on Local Measurement and Unified Control. IEEJ Journal of Industry Applications, 2015, 4, 331-338.	0.9	8
117	Accurate output power control of converters for microgrids based on local measurement and unified control. , 2014, , .		0
118	A unified controller for a microgrid based on adaptive virtual impedance and conductance. , 2014, , .		9
119	A single-phase transformer-less inverter with active decoupling. , 2014, , .		8
120	Energy cost estimation of small wind power systems - An integrated approach. , 2014, , .		0
121	An improved current control algorithm for single-phase grid-connected inverters. , 2014, , .		5
122	LVRT control strategy of CSC-DPMSG-WGS under unbalanced grid faults. , 2014, , .		0
123	Multiagent-Based Hybrid Energy Management System for Microgrids. IEEE Transactions on Sustainable Energy, 2014, , 1-1.	5.9	81
124	Economic Analysis and Optimal Design on Microgrids With SS-PVs for Industries. IEEE Transactions on Sustainable Energy, 2014, 5, 1328-1336.	5.9	53
125	A multi-stage MPPT algorithm for PV systems based on golden section search method. , 2014, , .		13
126	A variable switching frequency algorithm to improve the total efficiency of single-phase grid-connected inverters. , 2013, , .		14

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127	Removal of measurement noise spikes in grid-connected power converters. , 2013, , .		3
128	Optimal allocation and economic evaluation for industrial PV microgrid. , 2013, , .		11
129	A Neural Network Approach to Multi-step-ahead, Short-Term Wind Speed Forecasting. , 2013, , .		5
130	Reactive Power Control of Permanent-Magnet Synchronous Wind Generator With Matrix Converter. IEEE Transactions on Power Delivery, 2013, 28, 575-584.	2.9	62
131	Short-term photovoltaic output forecasting model for economic dispatch of power system incorporating large-scale photovoltaic plant. , 2013, , .		3
132	Fault diagnoses for the Dc filters of power electronic converters. , 2012, , .		4
133	Aggregated domestic electric water heater control - building on smart grid infrastructure. , 2012, , .		17
134	Design and test of a novel buck-boost inverter with three switching devices. , 2012, , .		8
135	A new strategy for wind speed forecasting using hybrid intelligent models. , 2012, , .		14
136	Quantitative analysis on economic impacts of installation at different sites on microgrids with multi-energy. , 2012, , .		1
137	A new strategy for predicting short-term wind speed using soft computing models. Renewable and Sustainable Energy Reviews, 2012, 16, 4563-4573.	8.2	79
138	Open-circuit fault diagnosis in 3-phase uncontrolled rectifiers. , 2012, , .		16
139	Advanced building blocks of power converters for renewable energy based distributed generators. , 2011, , .		13
140	Frequency measurement using a frequency locked loop. , 2011, , .		7
141	Fuzzy Stochastic Programming Method: Capacitor Planning in Distribution Systems With Wind Generators. IEEE Transactions on Power Systems, 2011, 26, 1971-1979.	4.6	29
142	A Generalized Technique of Modeling, Analysis, and Control of a Matrix Converter Using SVD. IEEE Transactions on Industrial Electronics, 2011, 58, 949-959.	5.2	116
143	Multi-agent based simulation for Microgrid energy management. , 2011, , .		8
144	Pulse Energy Modulation of a buck-boost inverter. , 2011, , .		6

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145	Design of a novel simulation platform for the EMS-MG Based on MAS. , 2011, , .		5
146	A novel domestic electric water heater model for a multi-objective demand side management program. Electric Power Systems Research, 2010, 80, 1446-1451.	2.1	81
147	A study of the reduction of the regional aggregated wind power forecast error by spatial smoothing effects in the Maritimes Canada. , 2010, , .		2
148	A novel control strategy for small wind generation system based on the converter without DC storage components. , 2010, , .		3
149	A novel demand side management program using water heaters and particle swarm optimization. , 2010, , .		60
150	Multi-objective economic dispatch model for a microgrid considering reliability. , 2010, , .		38
151	A real-time predictive dynamic control strategy for the small wind turbine system based on CSI. , 2010, , .		0
152	Research and development of fast field tester for characteristics of solar array. , 2009, , .		9
153	Web based remote operations on inverters. , 2009, , .		1
154	A centralized fuzzy controller for aggregated control of domestic water heaters. , 2009, , .		20
155	Novel predictive voltage controlled UPS inverter for an improved stand-alone wind turbine system. , 2009, , .		2
156	Cogging torque of permanent magnet electric machiens: An overview. , 2009, , .		8
157	A load controller for wind/hydrogen/diesel weak grid. , 2009, , .		2
158	Controller for 1kW-5kW wind-solar hybrid generation systems. Canadian Conference on Electrical and Computer Engineering, 2008, , .	0.0	9
159	Fuzzy-logic-based maximum power point tracking strategy for Pmsg variable-speed wind turbine generation systems. Canadian Conference on Electrical and Computer Engineering, 2008, , .	0.0	11
160	Study of energy management system for distributed generation systems. , 2008, , .		6
161	Integration and intelligent control of micro-grids with multi-energy generations: A review. , 2008, , .		13
162	A DC Voltage Monitoring and Control Method for Three-Phase Grid-Connected Wind Turbine Inverters. IEEE Transactions on Power Electronics, 2008, 23, 1118-1125.	5.4	54

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163	Testbed for microgrid with multi-energy Generators. Canadian Conference on Electrical and Computer Engineering, 2008, , .	0.0	23
164	An Advanced SVPWM-Based Predictive Current Controller for Three-Phase Inverters in Distributed Generation Systems. IEEE Transactions on Industrial Electronics, 2008, 55, 1235-1246.	5.2	191
165	Calculation and study on cogging torque of small wind turbine PMSG. Canadian Conference on Electrical and Computer Engineering, 2008, , .	0.0	7
166	The development of a fuzzy neural system for load forecasting. Canadian Conference on Electrical and Computer Engineering, 2008, , .	0.0	1
167	Research on the performance of induction- motor- based residential photovoltaic water pump system. Canadian Conference on Electrical and Computer Engineering, 2008, , .	0.0	0
168	Research on a novel buck-boost converter for wind turbine systems. , 2008, , .		5
169	Two-phase converter used for wind turbine PMSG generation system. Canadian Conference on Electrical and Computer Engineering, 2008, , .	0.0	5
170	DC voltage sensorless control strategy for three-phase grid-connected inverter. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	2
171	A novel DC voltage protection method for three-phase boost converter. Canadian Conference on Electrical and Computer Engineering, 2008, , .	0.0	0
172	Energy management and control of aggregated distributed generations. Canadian Conference on Electrical and Computer Engineering, 2008, , .	0.0	0
173	Shunt active power filter for harmonic and reactive current compensation in wind conversion systems. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	5
174	Implementation of the RBF neural network on a SOPC for maximum power point tracking. Canadian Conference on Electrical and Computer Engineering, 2008, , .	0.0	5
175	A PWM Strategy for Acoustic Noise Reduction for Grid-Connected Single-Phase Inverters. IEEE Applied Power Electronics Conference and Exposition, 2007, , .	0.0	4
176	Dispatchable Distributed Generation Network - A New Concept to Advance DG Technologies. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	13
177	Communicationless Parallel Inverters Based on Inductor Current Feedback Control. IEEE Applied Power Electronics Conference and Exposition, 2007, , .	0.0	12
178	A Novel Vdc Voltage Monitoring and Control Method for Three-Phase Grid-Connected Inverter. , 2007, , .		3
179	A New Islanding Detection Method Based on Hidden Gene Concept. , 2007, , .		3
180	New Converter Topologies for Two-Phase Wind Turbine PMSG Generation System. IEEE Applied Power Electronics Conference and Exposition, 2007, , .	0.0	5

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181	A novel DSP-based current-controlled PWM strategy for single phase grid connected inverters. IEEE Transactions on Power Electronics, 2006, 21, 985-993.	5.4	143
182	Comparative study of pole placement methods in adaptive flux observers. Control Engineering Practice, 2005, 13, 749-757.	3.2	16
183	A MRAS-Based Adaptive Pseudoreduced-Order Flux Observer for Sensorless Induction Motor Drives. IEEE Transactions on Power Electronics, 2005, 20, 930-938.	5.4	56
184	An Intelligent Maximum Power Extraction Algorithm for Inverter-Based Variable Speed Wind Turbine Systems. IEEE Transactions on Power Electronics, 2004, 19, 1242-1249.	5.4	434
185	Topologies of Single-Phase Inverters for Small Distributed Power Generators: An Overview. IEEE Transactions on Power Electronics, 2004, 19, 1305-1314.	5.4	737
186	Development of a Novel Wind Turbine Simulator for Wind Energy Conversion Systems Using an Inverter-Controlled Induction Motor. IEEE Transactions on Energy Conversion, 2004, 19, 547-552.	3.7	170
187	A Novel Steady State Wind Turbine Simulator Using an Inverter Controlled Induction Motor. Wind Engineering, 2004, 28, 433-443.	1.1	12
188	Switched reluctance motors: small motors of the next generation for automobiles?. , 2003, , .		1
189	Design of a 5-phase permanent magnet brushless DC motor for automobiles. , 2003, , .		7
190	PWM Control Strategies for Wind Turbine Inverters. Wind Engineering, 2001, 25, 33-40.	1.1	9
191	Electrical two-speed propulsion by motor winding switching and its control strategies for electric vehicles. IEEE Transactions on Vehicular Technology, 1999, 48, 607-618.	3.9	55
192	Improved neural network model for induction motor design. IEEE Transactions on Magnetics, 1998, 34, 2948-2951.	1.2	10
193	COMBINED FINITE ELEMENT AND ANALYTICAL METHODS FOR ROTOR DESIGN OF PERMANENT MAGNET SYNCHRONOUS MOTORS. Electric Power Components and Systems, 1998, 26, 465-476.	0.1	9
194	An improved FE inductance calculation for electrical machines. IEEE Transactions on Magnetics, 1996, 32, 3237-3245.	1.2	51
195	Development of a power supply for high power IGBTs used in three-phase inverters. , 0, , .		0
196	Design procedures of a switched reluctance motor for automobile applications. , 0, , .		4
197	Modelling of switched reluctance motors. , 0, , .		4
198	PWM control strategies for wind turbine inverters. , 0, , .		2

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199	The sensitivity analysis of error driven PI control. , 0, , .		0
200	Development of a voltage/current/power instrument for electrical machines laboratories. , 0, , .		1
201	A new DC link voltage boost scheme of IGBT inverters for wind energy extraction. , 0, , .		9
202	Energy flow principles of IGBT inverters in wind energy conversion systems. , 0, , .		3
203	Energy-flow direction control of grid-connected IGBT inverters for wind energy extraction. , 0, , .		8
204	A novel three-phase pulse width modulation (PWM) technique based on co-related references [invertor applications]. , 0, , .		0
205	Review of interconnection standards for distributed power generation. , 0, , .		20
206	A low speed flywheel system for wind energy conversion. , 0, , .		8
207	Error driven PI control of EV propulsion systems based on induction motors. , 0, , .		0
208	Application of finite element method in design of a 50 kW direct drive synchronous generator for variable speed wind turbines. , 0, , .		3
209	Energy complementary control of a distributed power generation system based on renewable energy. , 0, , .		3
210	Closed-loop SPWM control for grid-connected buck-boost inverters. , 0, , .		22
211	A new total frequency deviation algorithm for anti-islanding protection in inverter-based DG systems. , 0, , .		5
212	Development of Standards for Interconnecting Distributed Generators with Electric Power Systems. , 0, , .		2
213	Improved Predictive Current Controlled PWM for Single-Phase Grid-Connected Voltage Source Inverters. , 0, , .		26
214	A New Adaptive Logic Phase-Shift Algorithm for Anti-Islanding Protections in Inverter-Based DG Systems. , 0, , .		24
215	Study of advanced current control strategies for three-phase grid-connected pwm inverters for distributed generation. , 0, , .		28
216	Improved Current Controller Based on SVPWM for Three-phase Grid-connected Voltage Source Inverters. , 0, , .		9

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217	Reliability study of a distributed generation system based on renewable energy. , 0, , .		2
218	Novel SVPWM-based predictive current controller for three-phase grid-connected inverters. , 0, , .		3
219	Development of an SVPWM-based predictive current controller for three-phase grid-connected VSI. , 0, , .		16
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221	Sensorless PMSM drive with MRAS-based adaptive speed estimator. , 0, , .		8
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