Heng Nian

List of Publications by Year in Descending Order

149 papers	2,449 citations	27 h-index	44 g-index
186 ext. papers	3,410 ext. citations	4.9 avg, IF	6.12 L-index

#	Paper	IF	Citations
149	High Frequency Resonance Suppression Strategy of Three-Phase Four-Wire Split Capacitor Inverter Connected to Parallel Compensation Grid. *Energies*, **2022**, 15, 1486	3.1	1
148	Commutation Overlap Characteristic Modeling and Stability Analysis of LCC-HVDC in Sending AC Grid. *IEEE Transactions on Sustainable Energy*, **2022**, 1-1	8.2	1
147	Robust Active Damping Control for LCL-Type Shunt Active Power Filters. *IEEE Access*, **2022**, 10, 39456-39470	3.5	0
146	Optimal Power Coordinated Control Strategy for DFIG-Based Wind Farm to Increase Transmission Capacity of the LCC-HVDC System Considering Commutation Failure. *IEEE Journal of Emerging and Selected Topics in Power Electronics*, **2021**, 1-1	5.6	2
145	Modeling and Control for Open-Winding PMSM Under Open-Phase Fault Based on New Coordinate Transformations. *IEEE Transactions on Power Electronics*, **2021**, 36, 6892-6902	7.2	9
144	High-Frequency Resonance Analysis and Reshaping Control Strategy of DFIG System Based on DPC. *IEEE Transactions on Power Electronics*, **2021**, 36, 7810-7819	7.2	8
143	Zero-Sequence Current Suppression Strategy With Common-Mode Voltage Control for Open-End Winding PMSM Drives With Common DC Bus. *IEEE Transactions on Industrial Electronics*, **2021**, 68, 4691-4702	8.9	32
142	Small-Signal Modeling and Analysis of DC-Link Dynamics in Type-IV Wind Turbine System. *IEEE Transactions on Industrial Electronics*, **2021**, 68, 1423-1433	8.9	10
141	. *IEEE Transactions on Power Electronics*, **2021**, 36, 4440-4451	7.2	9
140	A Dual Two-Vector-Based Model Predictive Flux Control With Field-Weakening Operation for OW-PMSM Drives. *IEEE Transactions on Power Electronics*, **2021**, 36, 2191-2200	7.2	8
139	Fault Detection and Location Method for Mesh-Type DC Microgrid Using Pearson Correlation Coefficient. *IEEE Transactions on Power Delivery*, **2021**, 36, 1428-1439	4.3	13
138	Mechanism Analysis and Damping Method for High Frequency Resonance Between VSC-HVDC and the Wind Farm. *IEEE Transactions on Energy Conversion*, **2021**, 36, 984-994	5.4	4
137	A Universal Lookup Table-Based Direct Torque Control for OW-PMSM Drives. *IEEE Transactions on Power Electronics*, **2021**, 36, 6188-6191	7.2	12
136	Impedance Characteristic Analysis and Reshaping Method of DFIG System Based on DPC Without PLL. *IEEE Transactions on Industrial Electronics*, **2021**, 68, 9767-9777	8.9	4
135	A Novel Lookup Table Based Direct Torque Control for OW-PMSM Drives. *IEEE Transactions on Industrial Electronics*, **2021**, 68, 10316-10320	8.9	4
134	Design Method of Multi-sine Signal for Broadband Impedance Measurement Considering Frequency Coupling Characteristic. *IEEE Journal of Emerging and Selected Topics in Power Electronics* , **2021**, 1-1	5.6	3
133	Parameters Selection Method of Circuit Breaker and Fault Current Limiter in Mesh-Type DC Microgrid. *IEEE Access*, **2021**, 9, 35514-35523	3.5	2

132	Optimal Power Distribution Method for Wind Farms to Enhance the FRT Capability of the LCC-HVDC System Under Commutation Failure. *IEEE Access*, **2021**, 9, 108212-108222	3.5	2
131	Design Method of Multi-sine Signal for Broadband Impedance Measurement. *IEEE Journal of Emerging and Selected Topics in Power Electronics*, **2021**, 1-1	5.6	7
130	Impedance-Based Analysis and Stability Improvement of DFIG System within PLL Bandwidth. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	6
129	Improved Model Predictive Control With New Cost Function for Hybrid-Inverter Open-Winding PMSM System Based on Energy Storage Model. *IEEE Transactions on Power Electronics*, **2021**, 1-1	7.2	5
128	Impedance Modeling and Stability Analysis of VSG Controlled Type-IV Wind Turbine System. *IEEE Transactions on Energy Conversion*, **2021**, 1-1	5.4	2
127	Impedance Modeling and Stability Analysis of Three-Phase Four-Leg Grid-Connected Inverter Considering Zero-Sequence. *IEEE Access*, **2021**, 9, 83676-83687	3.5	5
126	Stability Analysis and Impedance Reshaping Method for DC Resonance in VSCs-based Power System. *IEEE Transactions on Energy Conversion*, **2021**, 1-1	5.4	6
125	Overvoltage Suppression Strategy for Sending AC Grid With High Penetration of Wind Power in the LCC-HVdc System Under Commutation Failure. *IEEE Transactions on Power Electronics*, **2021**, 36, 10265-10277	7.2	9
124	An Improved Impedance Measurement Method Based on Multi-Sine Signal Considering the Suppression of Noise Interference. *IEEE Access*, **2021**, 9, 34221-34230	3.5	1
123	Adaptive Frequency Adjustment Method for Impedance Measurement. *IEEE Journal of Emerging and Selected Topics in Power Electronics*, **2021**, 1-1	5.6	1
122	Proxy Signature-Based Management Model of Sharing Energy Storage in Blockchain Environment. *Applied Sciences (Switzerland)*, **2020**, 10, 7502	2.6	6
121	Stability analysis of DPC in the FSRF for grid-connected converter. *IET Power Electronics*, **2020**, 13, 909-919	1.2	2
120	Multi-Target Control Strategy of DFIG Using Virtual Synchronous Generator Based on Extended Power Resonance Control under Unbalanced Power Grid. *Energies*, **2020**, 13, 2232	3.1	1
119	Active damping technique based on H□controller for VSC under parallel compensation grid. *Electronics Letters*, **2020**, 56, 147-150	1.1	3
118	Loss Estimation of Brushless Doubly-Fed Generator With Hybrid Rotor Considering Multiple Influence Factors. *IEEE Access*, **2020**, 8, 60043-60051	3.5	5
117	Analysis and Reshaping on Impedance Characteristic of DFIG System Based on Symmetrical PLL. *IEEE Transactions on Power Electronics*, **2020**, 35, 11720-11730	7.2	14
116	Model predictive control with a novel cost function evaluation scheme for OW-PMSM drives. *Electronics Letters*, **2020**, 56, 655-657	1.1	0
115	Damping Method of High-Frequency Resonance for Stator Current Controlled DFIG System Under Parallel Compensation Grid. *IEEE Transactions on Power Electronics*, **2020**, 35, 10260-10270	7.2	4

114	Model Predictive Current Control for an Open-Winding PMSM System With a Common DC Bus in 3-D Space. *IEEE Transactions on Power Electronics*, **2020**, 35, 9597-9607	7.2	11
113	Coordinated Control of RSC and GSC for DFIG System under Harmonically Distorted Grid Considering Inter-Harmonics. *Energies*, **2020**, 13, 28	3.1	4
112	Collaborative Control and Allocation Method of RSC and GSC for DFIG System to Suppress High-Frequency Resonance and Harmonics. *IEEE Transactions on Industrial Electronics*, **2020**, 67, 10509-10519	8.9	3
111	Analysis and Mitigation of Sub-Synchronous Resonance for Doubly Fed Induction Generator under VSG Control. *Energies*, **2020**, 13, 1582	3.1	4
110	High Frequency Resonance Damping Method for Voltage Source Converter Based on Voltage Feedforward Control. *Energies*, **2020**, 13, 1591	3.1	
109	Using Virtual Synchronous Generator Control Based Energy Storage to Enhance the Stability of Sending Terminal in LCC-HVDC System **2020**,		2
108	Hybrid virtual impedance-based control strategy for DFIG in hybrid wind farm to disperse negative sequence current during network unbalance. *IET Renewable Power Generation*, **2020**, 14, 2268-2277	2.9	1
107	Improved Virtual Synchronous Generator Control of DFIG to Ride-Through Symmetrical Voltage Fault. *IEEE Transactions on Energy Conversion*, **2020**, 35, 672-683	5.4	22
106	Rotor Current Oriented Control Method of DFIG-DC System Without Stator Side Sensors. *IEEE Transactions on Industrial Electronics*, **2020**, 67, 9958-9962	8.9	4
105	A Simplified Stator Frequency and Power Control Method of DFIG-DC System Without Stator Voltage and Current Sensors. *IEEE Transactions on Power Electronics*, **2020**, 35, 5562-5566	7.2	6
104	Damping control of high-frequency resonance based on voltage feedforward for voltage source converter under a parallel compensated grid. *IET Power Electronics*, **2020**, 13, 2682-2691	2.2	1
103	Impedance Modeling and Stability Analysis of VSG Controlled Grid-Connected Converters with Cascaded Inner Control Loop. *Energies*, **2020**, 13, 5114	3.1	4
102	Eliminating Frequency Coupling of DFIG System Using a Complex Vector PLL **2020**,		1
101	Fault-tolerant control strategy with reduced switching frequency for inverter-based fault in open-winding PMSM system. *Electronics Letters*, **2020**, 56, 563-565	1.1	1
100	Reactive Power Compensation Control of PV Systems for Improved Power Transfer Capability in Weak Grid **2020**,		1
99	Grid-Forming Control for DFIG Based Wind Farms to Enhance the Stability of LCC-HVDC. *IEEE Access* , **2020**, 8, 156752-156762	3.5	6
98	Transient Modeling Method for Faulty DC Microgrid Considering Control Effect of DC/AC and DC/DC Converters. *IEEE Access*, **2020**, 8, 150759-150772	3.5	9
97	Simplified Modulation Scheme for Open-End Winding PMSM System With Common DC Bus Under Open-Phase Fault Based on Circulating Current Suppression. *IEEE Transactions on Power Electronics*, **2020**, 35, 10-14	7.2	30

96	An Improved Modulation Technique With Minimum Switching Actions Within One PWM Cycle for Open-End Winding PMSM System With Isolated DC Bus. *IEEE Transactions on Industrial Electronics*, **2020**, 67, 4259-4264	8.9	19
95	A Sensorless Drive Strategy for Open-End Winding PMSM With Common DC Voltage Based on Lower Switching Frequency. *IEEE Transactions on Energy Conversion*, **2019**, 34, 1553-1562	5.4	16
94	Impedance Aggregation Method of Multiple Wind Turbines and Accuracy Analysis. *Energies*, **2019**, 12, 2035	3.1	2
93	A Modified Self-Synchronized Synchronverter in Unbalanced Power Grids with Balanced Currents and Restrained Power Ripples. *Energies*, **2019**, 12, 923	3.1	11
92	Stability and Power Quality Enhancement Strategy for DFIG System Connected to Harmonic Grid With Parallel Compensation. *IEEE Transactions on Energy Conversion*, **2019**, 34, 1010-1022	5.4	17
91	Adaptive Repetitive Control of DFIG-DC System Considering Stator Frequency Variation. *IEEE Transactions on Power Electronics*, **2019**, 34, 3302-3312	7.2	14
90	Torque Ripple Suppression Method With Reduced Switching Frequency for Open-Winding PMSM Drives With Common DC Bus. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 674-684	8.9	41
89	Model Predictive Control of Grid Side Converter in The Weak Grid **2019**,		1
88	Improved Operation Strategy with Alternative Control Targets for Voltage Source Converter under Harmonically Distorted Grid Considering Inter-Harmonics. *Energies*, **2019**, 12, 1236	3.1	3
87	Modeling and Analysis of DC-Link Dynamics in DFIG System With an Indicator Function. *IEEE Access*, **2019**, 7, 125401-125412	3.5	10
86	Improved modulation method with reduced switching frequency for OW-PMSM system with common DC bus. *Electronics Letters*, **2019**, 55, 1009-1012	1.1	1
85	Impedance Modelling and Stability Analysis of Grid Side Converter Under Unbalanced Weak Grid by Harmonic Transfer Matrix **2019**,		1
84	A Collaborative Control Strategy of DFIG System with Energy Storage in Weak Grid **2019**,		1
83	Impedance Modeling and Stability Analysis of DFIG System based on Direct Power Control without PLL **2019**,		1
82	Transient Modeling and Analysis of VSC Based DC Microgrid During Short Circuit Fault. *IEEE Access*, **2019**, 7, 170604-170614	3.5	6
81	Low-frequency Stability Analysis of the DC-link in Dual Active Bridge (DAB) Based Microgrid **2019**,		1
80	An Error Tracking Dead-beat Model Predictive Torque Control for Open-Winding Permanent Magnet Synchronous Motor with Common DC Bus **2019**,		1
79	Efficiency Optimization Strategy of Three Port Triple Active Bridge DC-DC Converter **2019**,		1

78	Coordinated Elimination Strategy of Low Order Output Current Distortion for LC-Filtered DFIG System Based on Hybrid Virtual Impedance Method. *IEEE Transactions on Power Electronics*, **2019**, 34, 7502-7520	7.2	4
77	A Simplified MPFC With Capacitor Voltage Offset Suppression for the Four-Switch Three-Phase Inverter-Fed PMSM Drive. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 7633-7642	8.9	23
76	Improved Direct Resonant Control for Suppressing Torque Ripple and Reducing Harmonic Current Losses of DFIG-DC System. *IEEE Transactions on Power Electronics*, **2019**, 34, 8739-8748	7.2	7
75	Design and Performance Analysis of Dual-Stator Brushless Doubly-Fed Machine With Cage-Barrier Rotor. *IEEE Transactions on Energy Conversion*, **2019**, 34, 1347-1357	5.4	5
74	Complex transfer function-based sequence domain impedance model of doubly fed induction generator. *IET Renewable Power Generation*, **2019**, 13, 67-77	2.9	4
73	Stator Harmonic Current Suppression for DFIG System Considering Integer Harmonics and Interharmonics. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 7001-7011	8.9	14
72	Zero-Sequence Current Suppression Strategy With Reduced Switching Frequency for Open-End Winding PMSM Drives With Common DC BUS. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 7613-7623	8.9	39
71	An Improved Repetitive Control of DFIG-DC System for Torque Ripple Suppression. *IEEE Transactions on Power Electronics*, **2018**, 33, 7634-7644	7.2	17
70	Model predictive stator current control of doubly fed induction generator during network unbalance. *IET Power Electronics*, **2018**, 11, 120-128	2.2	16
69	Direct Power Control of DFIG System Without Phase-Locked Loop Under Unbalanced and Harmonically Distorted Voltage. *IEEE Transactions on Energy Conversion*, **2018**, 33, 395-405	5.4	27
68	Frequency Coupling Characteristic Modeling and Stability Analysis of Doubly Fed Induction Generator. *IEEE Transactions on Energy Conversion*, **2018**, 33, 1475-1486	5.4	68
67	Flexible unbalance compensation strategy for doubly fed induction generator based on a novel indirect virtual impedance method. *IET Renewable Power Generation*, **2018**, 12, 28-36	2.9	1
66	Sequences Domain Impedance Modeling of Three-Phase Grid-Connected Converter Using Harmonic Transfer Matrices. *IEEE Transactions on Energy Conversion*, **2018**, 33, 627-638	5.4	30
65	Sinusoidal Current Operation of a DFIG-DC System Without Stator Voltage Sensors. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 6250-6258	8.9	16
64	Stator Harmonic Currents Suppression for DFIG Based on Feed-Forward Regulator Under Distorted Grid Voltage. *IEEE Transactions on Power Electronics*, **2018**, 33, 1211-1224	7.2	24
63	A Sliding-Mode Direct Power Control Strategy for DFIG Under Both Balanced and Unbalanced Grid Conditions Using Extended Active Power. *IEEE Transactions on Power Electronics*, **2018**, 33, 1313-1322	7.2	56
62	Direct Power Control of Doubly Fed Induction Generator Without Phase-Locked Loop Under Harmonically Distorted Voltage Conditions. *IEEE Transactions on Power Electronics*, **2018**, 33, 5836-5846	7.2	14
61	Flexible Compensation Strategy for Voltage Source Converter Under Unbalanced and Harmonic Condition Based on a Hybrid Virtual Impedance Method. *IEEE Transactions on Power Electronics*, **2018**, 33, 7656-7673	7.2	20

60	Frequency Coupling Characteristic Modeling of DFIG System based on Type-1 Frequency-locked Loop **2018**,		2
59	An Improved Control Strategy for Triple-port Power Electronic Transformer Under Unbalanced AC Loads Condition **2018**,		1
58	Using inverter-based renewable generators to improve the grid power quality: A review. *Chinese Journal of Electrical Engineering*, **2018**, 4, 16-25	4	5
57	Improved three-vector based dead-beat model predictive direct power control strategy for grid-connected inverters. *Frontiers of Information Technology and Electronic Engineering*, **2018**, 19, 1420-1431	2.2	1
56	Optimization of Current Breaker and Fault Current Limiter in DC Micro-Grid Based on Faulty Transient Analysis **2018**,		7
55	Impedance-Based Stability Analysis of MMC-HVDC for Offshore DFIG-Based Wind Farms **2018**,		2
54	Simplified Model Predictive Control for Dual Inverter-Fed Open-Winding Permanent Magnet Synchronous Motor. *IEEE Transactions on Energy Conversion*, **2018**, 33, 1846-1854	5.4	35
53	Investigation and Suppression of Current Zero Crossing Phenomenon for a Semicontrolled Open-Winding PMSG System. *IEEE Transactions on Power Electronics*, **2017**, 32, 602-612	7.2	11
52	Direct Stator Current Vector Control Strategy of DFIG Without Phase-Locked Loop During Network Unbalance. *IEEE Transactions on Power Electronics*, **2017**, 32, 284-297	7.2	33
51	Low-Complexity Model Predictive Stator Current Control of DFIG Under Harmonic Grid Voltages. *IEEE Transactions on Energy Conversion*, **2017**, 32, 1072-1080	5.4	24
50	Flexible PCC Voltage Unbalance Compensation Strategy for Autonomous Operation of Parallel DFIGs. *IEEE Transactions on Industry Applications*, **2017**, 53, 4807-4820	4.3	15
49	Dead-beat predictive direct power control of voltage source inverters with optimised switching patterns. *IET Power Electronics*, **2017**, 10, 1438-1451	2.2	19
48	Improved control strategy of grid connected inverter without phase locked loop on PCC voltage disturbance **2017**,		4
47	Direct Resonant Control Strategy for Torque Ripple Mitigation of DFIG Connected to DC Link through Diode Rectifier on Stator. *IEEE Transactions on Power Electronics*, **2017**, 32, 6936-6945	7.2	30
46	Cross-coupling over frequency and sequence in impedance modelling of grid-connected inverter. *Journal of Engineering*, **2017**, 2017, 990-995	0.7	4
45	High frequency resonance in DFIG-based wind farm with variable power capacity. *Chinese Journal of Electrical Engineering*, **2017**, 3, 52-58	4	2
44	Method of eliminating high frequency resonance of DFIG system connected to weak grid. *Journal of Engineering*, **2017**, 2017, 1793-1798	0.7	4
43	Control strategy based on virtual synchronous generator of DFIG-based wind turbine under unbalanced grid voltage **2017**,		2

42	Coordinated Direct Power Control of DFIG System Without Phase-Locked Loop Under Unbalanced Grid Voltage Conditions. *IEEE Transactions on Power Electronics*, **2016**, 31, 2905-2918	7.2	71
41	Zero-Sequence Current Suppression Strategy for Open Winding PMSG Fed by Semicontrolled Converter. *IEEE Transactions on Power Electronics*, **2016**, 31, 711-720	7.2	34
40	Voltage Imbalance Compensation for Doubly Fed Induction Generator Using Direct Resonant Feedback Regulator. *IEEE Transactions on Energy Conversion*, **2016**, 31, 614-626	5.4	20
39	Direct power control of voltage source inverter in a virtual synchronous reference frame during frequency variation and network unbalance. *IET Power Electronics*, **2016**, 9, 502-511	2.2	32
38	Current Zero-Crossing Duration Reduction of a Semicontrolled Open-Winding PMSG System Based on Third Harmonic Current Injection. *IEEE Transactions on Industrial Electronics*, **2016**, 63, 750-760	8.9	9
37	Open Winding PMSM System for Electric Vehicles Collaboratively Supplied by the Z-Source and Voltage Source Converters **2016**,		1
36	Multiple target implementation for a doubly fed induction generator based on direct power control under unbalanced and distorted grid voltage. *Frontiers of Information Technology and Electronic Engineering*, **2015**, 16, 321-334	2.2	1
35	Enhanced Grid-Connected Operation of DFIG Using Improved Repetitive Control Under Generalized Harmonic Power Grid. *IEEE Transactions on Energy Conversion*, **2015**, 30, 1019-1029	5.4	21
34	Independent Operation of DFIG-Based WECS Using Resonant Feedback Compensators Under Unbalanced Grid Voltage Conditions. *IEEE Transactions on Power Electronics*, **2015**, 30, 3650-3661	7.2	42
33	Direct power control of doubly fed induction generator without phase-locked loop in synchronous reference frame during frequency variations. *IET Renewable Power Generation*, **2015**, 9, 576-586	2.9	16
32	Coordinated control strategy for doubly-fed induction generator with DC connection topology. *IET Renewable Power Generation*, **2015**, 9, 747-756	2.9	30
31	Investigation of Open-Winding PMSG System With the Integration of Fully Controlled and Uncontrolled Converter. *IEEE Transactions on Industry Applications*, **2015**, 51, 429-439	4.3	32
30	Collaborative Control of DFIG System During Network Unbalance Using Reduced-Order Generalized Integrators. *IEEE Transactions on Energy Conversion*, **2015**, 30, 453-464	5.4	44
29	Flexible Grid Connection Technique of Voltage-Source Inverter Under Unbalanced Grid Conditions Based on Direct Power Control. *IEEE Transactions on Industry Applications*, **2015**, 51, 4041-4050	4.3	47
28	. *IEEE Transactions on Power Electronics*, **2015**, 30, 4831-4842	7.2	38
27	. *IEEE Transactions on Power Electronics*, **2015**, 30, 6751-6762	7.2	39
26	Direct Power Control of Doubly Fed Induction Generator Under Distorted Grid Voltage. *IEEE Transactions on Power Electronics*, **2014**, 29, 894-905	7.2	167
25	Optimised parameter design of proportional integral and resonant current regulator for doubly fed induction generator during grid voltage distortion. *IET Renewable Power Generation*, **2014**, 8, 299-313	2.9	28

24	Small signal modeling and stability analysis of a DFIG based wind power system under unbalanced grid voltage condition **2014**,		1
23	**2014**,		2
22	Stability analysis of grid-connected converter based on interconnected system impedance modeling under unbalanced grid conditions **2014**,		1
21	Zero-Sequence Current Suppression Strategy of Open-Winding PMSG System With Common DC Bus Based on Zero Vector Redistribution. *IEEE Transactions on Industrial Electronics*, **2014**, 1-1	8.9	80
20	Investigation on open winding PMSG system with the integration of full controlled and uncontrolled converter **2013**,		6
19	Novel DC grid connection topology and control strategy for DFIG-based wind power generation system **2013**,		1
18	Comparison of resonant current regulators for DFIG during grid voltage distortion. *Journal of Zhejiang University: Science C*, **2013**, 14, 953-965		2
17	Multi-resonant based sliding mode control of grid-connected converter under distorted grid conditions **2013**,		1
16	An improved control strategy for DFIG system and dynamic voltage restorer under grid voltage dip **2012**,		8
15	Dynamic modeling and improved control of DFIG under unbalanced and distorted grid voltage conditions **2012**,		8
14	Dynamic Modeling and Improved Control of DFIG Under Distorted Grid Voltage Conditions. *IEEE Transactions on Energy Conversion*, **2011**, 26, 163-175	5.4	179
13	Improved Direct Power Control of a Wind Turbine Driven Doubly Fed Induction Generator During Transient Grid Voltage Unbalance. *IEEE Transactions on Energy Conversion*, **2011**, 26, 976-986	5.4	143
12	A novel DC grid connected DFIG system with active power filter based on predictive current control **2011**,		26
11	Dual stator windings PMSG fed by half-controlled converters for wind power application **2011**,		1
10	Direct Active and Reactive Power Regulation of DFIG Using Sliding-Mode Control Approach. *IEEE Transactions on Energy Conversion*, **2010**, 25, 1028-1039	5.4	173
9	Sliding mode current control of grid-connected voltage source converter **2010**,		5
8	Rotor displacement sensorless control strategy for PM type bearingless motor based on the parameter identification **2009**,		3
7	Sensorless control of PMSG for wind turbines based on the on-line parameter identification **2009**,		1

6	Improved predictive current control of grid-connected DC-AC converters under unbalanced grid voltage conditions **2009**,		3
5	Improved load-adaptive control strategy for PMSG based stand-alone wind energy generation system **2009**,		8
4	Enhanced control of DFIG-used back-to-back PWM VSC under unbalanced grid voltage conditions. *Journal of Zhejiang University: Science A*, **2007**, 8, 1330-1339	2.1	61
3	Modeling and design of permanent magnet biased radial-axial magnetic bearing by extended circuit theory **2007**,		3
2	Self-sensing of the rotor position and displacement for an inset permanent magnet type bearingless motor **2007**,		7
1	Sensorless Operation of an Inset PM Bearingless Motor Implemented by the Combination Approach of MRAS and HF Signal Injection **2006**,		6