

Heng Nian

List of Publications by Year in descending order

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186
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2308
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Active and Reactive Power Regulation of DFIG Using Sliding-Mode Control Approach. IEEE Transactions on Energy Conversion, 2010, 25, 1028-1039.	3.7	256
2	Direct Power Control of Doubly Fed Induction Generator Under Distorted Grid Voltage. IEEE Transactions on Power Electronics, 2014, 29, 894-905.	5.4	250
3	Dynamic Modeling and Improved Control of DFIG Under Distorted Grid Voltage Conditions. IEEE Transactions on Energy Conversion, 2011, 26, 163-175.	3.7	247
4	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.	3.7	222
5	Frequency Coupling Characteristic Modeling and Stability Analysis of Doubly Fed Induction Generator. IEEE Transactions on Energy Conversion, 2018, 33, 1475-1486.	3.7	130
6	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.	5.2	123
7	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.	5.4	110
8	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.	1.3	97
9	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.	5.4	90
10	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.	5.2	73
11	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.	5.2	70
12	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.	3.3	66
13	Fault Detection and Location Method for Mesh-Type DC Microgrid Using Pearson Correlation Coefficient. IEEE Transactions on Power Delivery, 2021, 36, 1428-1439.	2.9	61
14	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.	5.2	58
15	Modularized Control Strategy and Performance Analysis of DFIG System Under Unbalanced and Harmonic Grid Voltage. IEEE Transactions on Power Electronics, 2015, 30, 4831-4842.	5.4	57
16	Collaborative Control of DFIG System During Network Unbalance Using Reduced-Order Generalized Integrators. IEEE Transactions on Energy Conversion, 2015, 30, 453-464.	3.7	56
17	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.	3.7	55
18	Sequences Domain Impedance Modeling of Three-Phase Grid-Connected Converter Using Harmonic Transfer Matrices. IEEE Transactions on Energy Conversion, 2018, 33, 627-638.	3.7	55

#	ARTICLE	IF	CITATIONS
19	Simplified Model Predictive Control for Dual Inverter-Fed Open-Winding Permanent Magnet Synchronous Motor. IEEE Transactions on Energy Conversion, 2018, 33, 1846-1854.	3.7	54
20	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.	5.4	54
21	Independent Operation of DFIG-Based WECS Using Resonant Feedback Compensators Under Unbalanced Grid Voltage Conditions. IEEE Transactions on Power Electronics, 2015, 30, 3650-3661.	5.4	53
22	Sinusoidal Output Current Implementation of DFIG Using Repetitive Control Under a Generalized Harmonic Power Grid With Frequency Deviation. IEEE Transactions on Power Electronics, 2015, 30, 6751-6762.	5.4	51
23	Coordinated control strategy for doubly-fed induction generator with DC connection topology. IET Renewable Power Generation, 2015, 9, 747-756.	1.7	49
24	Improved Virtual Synchronous Generator Control of DFIG to Ride-Through Symmetrical Voltage Fault. IEEE Transactions on Energy Conversion, 2020, 35, 672-683.	3.7	46
25	Zero-Sequence Current Suppression Strategy for Open Winding PMSG Fed by Semiconrolled Converter. IEEE Transactions on Power Electronics, 2016, 31, 711-720.	5.4	45
26	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.	5.4	45
27	Direct Stator Current Vector Control Strategy of DFIG Without Phase-Locked Loop During Network Unbalance. IEEE Transactions on Power Electronics, 2017, 32, 284-297.	5.4	43
28	Investigation of Open-Winding PMSG System With the Integration of Fully Controlled and Uncontrolled Converter. IEEE Transactions on Industry Applications, 2015, 51, 429-439.	3.3	42
29	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.	5.4	42
30	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.	1.5	41
31	Low-Complexity Model Predictive Stator Current Control of DFIG Under Harmonic Grid Voltages. IEEE Transactions on Energy Conversion, 2017, 32, 1072-1080.	3.7	41
32	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.	5.2	40
33	Analysis and Reshaping on Impedance Characteristic of DFIG System Based on Symmetrical PLL. IEEE Transactions on Power Electronics, 2020, 35, 11720-11730.	5.4	39
34	Stator Harmonic Currents Suppression for DFIG Based on Feed-Forward Regulator Under Distorted Grid Voltage. IEEE Transactions on Power Electronics, 2018, 33, 1211-1224.	5.4	38
35	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.	3.7	38
36	Impedance-Based Analysis and Stability Improvement of DFIG System Within PLL Bandwidth. IEEE Transactions on Industrial Electronics, 2022, 69, 5803-5814.	5.2	38

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37	A novel DC grid connected DFIG system with active power filter based on predictive current control. , 2011, , .		35
38	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.	1.7	35
39	A Universal Lookup Table-Based Direct Torque Control for OW-PMSM Drives. IEEE Transactions on Power Electronics, 2021, 36, 6188-6191.	5.4	35
40	Enhanced Grid-Connected Operation of DFIG Using Improved Repetitive Control Under Generalized Harmonic Power Grid. IEEE Transactions on Energy Conversion, 2015, 30, 1019-1029.	3.7	34
41	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.	5.2	33
42	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.	5.4	31
43	Impedance Modeling and Stability Analysis of VSG Controlled Type-IV Wind Turbine System. IEEE Transactions on Energy Conversion, 2021, 36, 3438-3448.	3.7	31
44	Voltage Imbalance Compensation for Doubly Fed Induction Generator Using Direct Resonant Feedback Regulator. IEEE Transactions on Energy Conversion, 2016, 31, 614-626.	3.7	30
45	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.	5.4	30
46	Small-Signal Modeling and Analysis of DC-Link Dynamics in Type-IV Wind Turbine System. IEEE Transactions on Industrial Electronics, 2021, 68, 1423-1433.	5.2	29
47	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.	5.4	28
48	An Improved Repetitive Control of DFIG-DC System for Torque Ripple Suppression. IEEE Transactions on Power Electronics, 2018, 33, 7634-7644.	5.4	27
49	Flexible PCC Voltage Unbalance Compensation Strategy for Autonomous Operation of Parallel DFIGs. IEEE Transactions on Industry Applications, 2017, 53, 4807-4820.	3.3	26
50	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.	5.4	26
51	Model predictive stator current control of doubly fed induction generator during network unbalance. IET Power Electronics, 2018, 11, 120-128.	1.5	25
52	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.	1.7	24
53	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.	3.7	24
54	Stator Harmonic Current Suppression for DFIG System Considering Integer Harmonics and Interharmonics. IEEE Transactions on Industrial Electronics, 2019, 66, 7001-7011.	5.2	24

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55	Deadbeat predictive direct power control of voltage source inverters with optimised switching patterns. IET Power Electronics, 2017, 10, 1438-1451.	1.5	23
56	Improved Direct Torque Control for Open-Winding PMSM System Considering Zero-Sequence Current Suppression With Low Switching Frequency. IEEE Transactions on Power Electronics, 2021, 36, 4440-4451.	5.4	23
57	Adaptive Repetitive Control of DFIG-DC System Considering Stator Frequency Variation. IEEE Transactions on Power Electronics, 2019, 34, 3302-3312.	5.4	22
58	Sinusoidal Current Operation of a DFIG-DC System Without Stator Voltage Sensors. IEEE Transactions on Industrial Electronics, 2018, 65, 6250-6258.	5.2	21
59	Design Method of Multisine Signal for Broadband Impedance Measurement. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 2737-2747.	3.7	21
60	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, 36, 10705-10715.	5.4	21
61	Modeling and Analysis of DC-Link Dynamics in DFIG System With an Indicator Function. IEEE Access, 2019, 7, 125401-125412.	2.6	20
62	Transient Modeling Method for Faulty DC Microgrid Considering Control Effect of DC/AC and DC/DC Converters. IEEE Access, 2020, 8, 150759-150772.	2.6	20
63	Impedance Characteristic Analysis and Reshaping Method of DFIG System Based on DPC Without PLL. IEEE Transactions on Industrial Electronics, 2021, 68, 9767-9777.	5.2	20
64	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.	5.4	19
65	Rotor Current Oriented Control Method of DFIG-DC System Without Stator Side Sensors. IEEE Transactions on Industrial Electronics, 2020, 67, 9958-9962.	5.2	18
66	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.	5.4	17
67	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.	5.2	17
68	High-Frequency Resonance Analysis and Reshaping Control Strategy of DFIG System Based on DPC. IEEE Transactions on Power Electronics, 2021, 36, 7810-7819.	5.4	17
69	Investigation and Suppression of Current Zero Crossing Phenomenon for a Semiconrolled Open-Winding PMSG System. IEEE Transactions on Power Electronics, 2017, 32, 602-612.	5.4	16
70	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.	3.7	15
71	A Novel Lookup Table Based Direct Torque Control for OW-PMSM Drives. IEEE Transactions on Industrial Electronics, 2021, 68, 10316-10320.	5.2	15
72	An improved control strategy for DFIG system and dynamic voltage restorer under grid voltage dip. , 2012, , .		14

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73	A Modified Self-Synchronized Synchronverter in Unbalanced Power Grids with Balanced Currents and Restrained Power Ripples. <i>Energies</i> , 2019, 12, 923.	1.6	14
74	Grid-Forming Control for DFIG Based Wind Farms to Enhance the Stability of LCC-HVDC. <i>IEEE Access</i> , 2020, 8, 156752-156762.	2.6	14
75	Impedance Modeling and Stability Analysis of Three-Phase Four-Leg Grid-Connected Inverter Considering Zero-Sequence. <i>IEEE Access</i> , 2021, 9, 83676-83687.	2.6	14
76	Design and Performance Analysis of Dual-Stator Brushless Doubly-Fed Machine With Cage-Barrier Rotor. <i>IEEE Transactions on Energy Conversion</i> , 2019, 34, 1347-1357.	3.7	13
77	Proxy Signature-Based Management Model of Sharing Energy Storage in Blockchain Environment. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7502.	1.3	13
78	Damping Method of High-Frequency Resonance for Stator Current Controlled DFIG System Under Parallel Compensation Grid. <i>IEEE Transactions on Power Electronics</i> , 2020, 35, 10260-10270.	5.4	13
79	Stability Analysis and Impedance Reshaping Method for DC Resonance in VSCs-based Power System. <i>IEEE Transactions on Energy Conversion</i> , 2021, 36, 3344-3354.	3.7	13
80	Sensorless Operation of an Inset PM Bearingless Motor Implemented by the Combination Approach of MRAS and HF Signal Injection. , 2006, , .		12
81	Current Zero-Crossing Duration Reduction of a Semiconrolled Open-Winding PMSG System Based on Third Harmonic Current Injection. <i>IEEE Transactions on Industrial Electronics</i> , 2016, 63, 750-760.	5.2	12
82	Transient Modeling and Analysis of VSC Based DC Microgrid During Short Circuit Fault. <i>IEEE Access</i> , 2019, 7, 170604-170614.	2.6	12
83	Self-sensing of the rotor position and displacement for an inset permanent magnet type bearingless motor. , 2007, , .		11
84	A Simplified Stator Frequency and Power Control Method of DFIG-DC System Without Stator Voltage and Current Sensors. <i>IEEE Transactions on Power Electronics</i> , 2020, 35, 5562-5566.	5.4	10
85	Analysis and Mitigation of Sub-Synchronous Resonance for Doubly Fed Induction Generator under VSC Control. <i>Energies</i> , 2020, 13, 1582.	1.6	10
86	Design Method of Multi-Sine Signal for Broadband Impedance Measurement Considering Frequency Coupling Characteristic. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2022, 10, 532-543.	3.7	10
87	Dynamic modeling and improved control of DFIG under unbalanced and distorted grid voltage conditions. , 2012, , .		9
88	Investigation on open winding PMSG system with the integration of full controlled and uncontrolled converter. , 2013, , .		9
89	Cross-coupling over frequency and sequence in impedance modelling of grid-connected inverter. <i>Journal of Engineering</i> , 2017, 2017, 990-995.	0.6	9
90	Method of eliminating high frequency resonance of DFIG system connected to weak grid. <i>Journal of Engineering</i> , 2017, 2017, 1793-1798.	0.6	9

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91	Control strategy based on virtual synchronous generator of DFIG-based wind turbine under unbalanced grid voltage. , 2017, , .		9
92	Improved load-adaptive control strategy for PMSG based stand-alone wind energy generation system. , 2009, , .		8
93	Optimization of Current Breaker and Fault Current Limiter in DC Micro-Grid Based on Faulty Transient Analysis. , 2018, , .		8
94	Complex transfer function-based sequence domain impedance model of doubly fed induction generator. IET Renewable Power Generation, 2019, 13, 67-77.	1.7	8
95	Loss Estimation of Brushless Doubly-Fed Generator With Hybrid Rotor Considering Multiple Influence Factors. IEEE Access, 2020, 8, 60043-60051.	2.6	8
96	Improved predictive current control of grid-connected DC-AC converters under unbalanced grid voltage conditions. , 2009, , .		7
97	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.	5.4	7
98	Impedance Modeling and Stability Analysis of VSG Controlled Grid-Connected Converters with Cascaded Inner Control Loop. Energies, 2020, 13, 5114.	1.6	7
99	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.	2.6	7
100	Commutation Overlap Characteristic Modeling and Stability Analysis of LCC-HVDC in Sending AC Grid. IEEE Transactions on Sustainable Energy, 2022, 13, 1594-1606.	5.9	7
101	Robust Active Damping Control for LCL-Type Shunt Active Power Filters. IEEE Access, 2022, 10, 39456-39470.	2.6	7
102	Comparison of resonant current regulators for DFIG during grid voltage distortion. Journal of Zhejiang University: Science C, 2013, 14, 953-965.	0.7	6
103	Using inverter-based renewable generators to improve the grid power quality—a review. Chinese Journal of Electrical Engineering, 2018, 4, 16-25.	2.3	6
104	Reactive Power Compensation Control of PV Systems for Improved Power Transfer Capability in Weak Grid. , 2020, , .		6
105	Active damping technique based on H_{ω} controller for VSC under parallel compensation grid. Electronics Letters, 2020, 56, 147-150.	0.5	6
106	An Improved Impedance Measurement Method Based on Multi-Sine Signal Considering the Suppression of Noise Interference. IEEE Access, 2021, 9, 34221-34230.	2.6	6
107	Rotor displacement sensorless control strategy for PM type bearingless motor based on the parameter identification. , 2009, , .		5
108	Sliding mode current control of grid-connected voltage source converter. , 2010, , .		5

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109	Stationary frame control strategy for voltage source inverter under unbalanced and distorted grid voltage. , 2014, , .		5
110	Improved control strategy of grid connected inverter without phase locked loop on PCC voltage disturbance. , 2017, , .		5
111	Multi-Target Control Strategy of DFIG Using Virtual Synchronous Generator Based on Extended Power Resonance Control under Unbalanced Power Grid. Energies, 2020, 13, 2232.	1.6	5
112	Coordinated Control of RSC and GSC for DFIG System under Harmonically Distorted Grid Considering Inter-Harmonics. Energies, 2020, 13, 28.	1.6	5
113	Using Virtual Synchronous Generator Control Based Energy Storage to Enhance the Stability of Sending Terminal in LCC-HVDC System. , 2020, , .		5
114	Novel DC grid connection topology and control strategy for DFIG-based wind power generation system. , 2013, , .		4
115	Direct power control for DFIG under unbalanced and harmonically distorted grid voltage in stationary frame. , 2014, , .		4
116	High frequency resonance in DFIG-based wind farm with variable power capacity. Chinese Journal of Electrical Engineering, 2017, 3, 52-58.	2.3	4
117	Impedance-Based Stability Analysis of MMC-HVDC for Offshore DFIG-Based Wind Farms. , 2018, , .		4
118	Improved Operation Strategy with Alternative Control Targets for Voltage Source Converter under Harmonically Distorted Grid Considering Inter-Harmonics. Energies, 2019, 12, 1236.	1.6	4
119	Impedance Aggregation Method of Multiple Wind Turbines and Accuracy Analysis. Energies, 2019, 12, 2035.	1.6	4
120	Efficiency Optimization Strategy of Three Port Triple Active Bridge DC-DC Converter. , 2019, , .		4
121	Eliminating Frequency Coupling of DFIG System Using a Complex Vector PLL. , 2020, , .		4
122	Model predictive control with a novel cost function evaluation scheme for OWâ€™PMSM drives. Electronics Letters, 2020, 56, 655-657.	0.5	4
123	Parameters Selection Method of Circuit Breaker and Fault Current Limiter in Mesh-Type DC Microgrid. IEEE Access, 2021, 9, 35514-35523.	2.6	4
124	Modeling and design of permanent magnet biased radial-axial magnetic bearing by extended circuit theory. , 2007, , .		4
125	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, 2022, 10, 3129-3139.	3.7	4
126	Sensorless control of PMSG for wind turbines based on the on-line parameter identification. , 2009, , .		3

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127	Multi-resonant based sliding mode control of grid-connected converter under distorted grid conditions. , 2013, , .		3
128	Frequency Coupling Characteristic Modeling of DFIG System based on Type-1 Frequency-locked Loop. , 2018, , .		3
129	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.	1.5	3
130	Low-frequency Stability Analysis of the DC-link in Dual Active Bridge (DAB) Based Microgrid. , 2019, , .		3
131	Impedance-based Analysis of Potential Stability Risk Between Grid-Forming and Grid-Following Wind Turbine Systems. , 2021, , .		3
132	Adaptive Frequency Adjustment Method for Impedance Measurement. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 518-531.	3.7	3
133	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.	1.7	3
134	High Frequency Resonance Suppression Strategy of Three-Phase Four-Wire Split Capacitor Inverter Connected to Parallel Compensation Grid. Energies, 2022, 15, 1486.	1.6	3
135	Small signal modeling and stability analysis of a DFIG based wind power system under unbalanced grid voltage condition. , 2014, , .		2
136	Stability analysis of grid-connected converter based on interconnected system impedance modeling under unbalanced grid conditions. , 2014, , .		2
137	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.	1.5	2
138	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.	1.7	2
139	Model Predictive Control of Grid Side Converter in The Weak Grid. , 2019, , .		2
140	Impedance Modeling and Stability Analysis of DFIG System based on Direct Power Control without PLL. , 2019, , .		2
141	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.	1.5	2
142	Stability analysis of DPC in the FSRF for grid-connected converter. IET Power Electronics, 2020, 13, 909-919.	1.5	2
143	High Frequency Resonance Damping Method for Voltage Source Converter Based on Voltage Feedforward Control. Energies, 2020, 13, 1591.	1.6	2
144	A Distributed Energy Storage System Integrated in PMSG System for Mitigating Wind Farm Fluctuations and Providing Inertial Response. , 2021, , .		2

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145	Dual stator windings PMSG fed by half-controlled converters for wind power application. , 2011, , .		1
146	Multi-objective optimization control of DFIG system under distorted grid voltage conditions. , 2011, , .		1
147	A novel approach to obtain constant DC-link voltage of the grid-connected converter under harmonically grid voltage conditions. , 2011, , .		1
148	Novel topology and control strategy of HVDC grid connection for open winding PMSG based wind power generation system. , 2013, , .		1
149	Enhanced operation for DFIG-based WECS using resonant feedback compensators under grid unbalance. , 2013, , .		1
150	A synchronized output regulation strategy for seamless transfer of single-phase utility interactive inverters. , 2015, , .		1
151	Open Winding PMSM System for Electric Vehicles Collaboratively Supplied by the Z-Source and Voltage Source Converters. , 2016, , .		1
152	An Improved Control Strategy for Triple-port Power Electronic Transformer Under Unbalanced AC Loads Condition. , 2018, , .		1
153	Improved Virtual Synchronous Generator Control of DFIG Under Symmetrical Drop of Grid Voltage. , 2018, , .		1
154	Impedance Modelling and Stability Analysis of Grid Side Converter Under Unbalanced Weak Grid by Harmonic Transfer Matrix. , 2019, , .		1
155	A Collaborative Control Strategy of DFIG System with Energy Storage in Weak Grid. , 2019, , .		1
156	Model Predictive Control in Power Grid Simulator for Impedance Measurement. , 2019, , .		1
157	An Error Tracking Dead-beat Model Predictive Torque Control for Open-Winding Permanent Magnet Synchronous Motor with Common DC Bus. , 2019, , .		1
158	Transient Characteristic Modeling of DFIG Considering Control Loop under Grid Voltage Fault. , 2019, , .		1
159	A Novel Stator Frequency Control Method of DFIG-DC System Based on Regulating Air Gap Flux Vector. , 2020, , .		1
160	Fault-tolerant control strategy with reduced switching frequency for inverter-based fault in open-winding PMSM system. Electronics Letters, 2020, 56, 563-565.	0.5	1
161	Sensorless operation of PMSM by high frequency signal injection using the field-circuit coupled solution. , 2007, , .		1
162	A Feeder Impedance Identification Based Droop Control Method for Accurate Reactive Power Sharing in Islanded Microgrids. , 2019, , .		1

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163	Improved modulation method with reduced switching frequency for OWâ€PMSM system with common DC bus. Electronics Letters, 2019, 55, 1009-1012.	0.5	1
164	Impedance Characteristics Analysis of Grid-Connected Voltage Source Converter based on Symmetrical Phase-Locked Loop. , 2020, , .		1
165	Impedance Analysis of DFIG System based on DPC without PLL at Fundamental Frequency. , 2021, , .		1
166	High-Frequency Resonance Analysis Between DFIG Based Wind Farm with Direct Power Control and VSC-HVDC. , 2021, , .		1
167	Resonance Stability Analysis Based on Impedance Network for Large-Scale Wind Power Bases Considering Frequency Coupling Characteristic. , 2021, , .		1
168	Enhanced Control Strategies of Permanent Magnet Synchronous Wind Power Generation System under Unbalanced Grid Voltage Conditions. , 2010, , .		0
169	Modeling and Analysis of Harmonic Currents of GSC Caused by Harmonic Grid Voltage and Dead Time. , 2018, , .		0
170	Harmonic Impedance Modeling of DFIG Considering Dead Time Effect of Rotor Side Converter. , 2018, , .		0
171	Unbalanced Voltage Compensating and Current Sharing Strategy of Parallel Converters in Islanded Microgrids. , 2018, , .		0
172	Improved Operation of DFIG System under Harmonically Distorted Grid Considering Interharmonics. , 2019, , .		0
173	A Self-Adaptive Control Strategy to Suppress Fluctuation of Distributed Photovoltaic Energy in Microgrids with Combined Heat and Power System. , 2019, , .		0
174	Unbalanced Voltage Compensation Strategy for Doubly Fed Induction Generator Based on Self-Synchronization Control without Phase-Locked Loop. , 2020, , .		0
175	Impedance-based Stability Analysis of AD-DC Hybrid System Considering Grid Impedance. , 2020, , .		0
176	High Frequency Resonance Damping Based on Complex Coefficient Controller for the Wind Farm Connected VSC-HVDC. , 2021, , .		0
177	Analysis on the Contribution of Virtual Synchronous Generator Controlled Energy Storage System to Primary Frequency Modulation. , 2021, , .		0
178	Predictive Voltage Control Strategy in Power Grid Simulator for Impedance Measurement of Energy Storage Inverter. , 2021, , .		0
179	Dynamic Partitioning Based Reactive Power Optimization Method for Distribution Network with Renewable Energy and Energy Storage. , 2020, , .		0
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