

Chao Wu

List of Publications by Year in descending order

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times ranked

422
citing authors

#	ARTICLE	IF	CITATIONS
1	Transient Damping Method for Improving the Synchronization Stability of Virtual Synchronous Generators. IEEE Transactions on Power Electronics, 2021, 36, 7820-7831.	7.9	73
2	An Improved Synchronization Stability Method of Virtual Synchronous Generators Based on Frequency Feedforward on Reactive Power Control Loop. IEEE Transactions on Power Electronics, 2021, 36, 9136-9148.	7.9	54
3	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.	7.9	45
4	Direct Stator Current Vector Control Strategy of DFIG Without Phase-Locked Loop During Network Unbalance. IEEE Transactions on Power Electronics, 2017, 32, 284-297.	7.9	43
5	Effects of Virtual Resistance on Transient Stability of Virtual Synchronous Generators Under Grid Voltage Sag. IEEE Transactions on Industrial Electronics, 2022, 69, 4754-4764.	7.9	40
6	Analysis and Reshaping on Impedance Characteristic of DFIG System Based on Symmetrical PLL. IEEE Transactions on Power Electronics, 2020, 35, 11720-11730.	7.9	39
7	Stator Harmonic Currents Suppression for DFIG Based on Feed-Forward Regulator Under Distorted Grid Voltage. IEEE Transactions on Power Electronics, 2018, 33, 1211-1224.	7.9	38
8	A Double-PLLs-Based Impedance Reshaping Method for Extending Stability Range of Grid-Following Inverter Under Weak Grid. IEEE Transactions on Power Electronics, 2022, 37, 4091-4104.	7.9	38
9	An Optimal Damping Design of Virtual Synchronous Generators for Transient Stability Enhancement. IEEE Transactions on Power Electronics, 2021, 36, 11026-11030.	7.9	31
10	An Improved Repetitive Control of DFIG-DC System for Torque Ripple Suppression. IEEE Transactions on Power Electronics, 2018, 33, 7634-7644.	7.9	27
11	Characteristics of Parallel Inverters Applying Virtual Synchronous Generator Control. IEEE Transactions on Smart Grid, 2021, 12, 4690-4701.	9.0	25
12	Stator Harmonic Current Suppression for DFIG System Considering Integer Harmonics and Interharmonics. IEEE Transactions on Industrial Electronics, 2019, 66, 7001-7011.	7.9	24
13	Impact of Grid Strength and Impedance Characteristics on the Maximum Power Transfer Capability of Grid-Connected Inverters. Applied Sciences (Switzerland), 2021, 11, 4288.	2.5	23
14	Adaptive Repetitive Control of DFIG-DC System Considering Stator Frequency Variation. IEEE Transactions on Power Electronics, 2019, 34, 3302-3312.	7.9	22
15	Sinusoidal Current Operation of a DFIG-DC System Without Stator Voltage Sensors. IEEE Transactions on Industrial Electronics, 2018, 65, 6250-6258.	7.9	21
16	Optimal Controller Design for Transient Stability Enhancement of Grid-Following Converters Under Weak-Grid Conditions. IEEE Transactions on Power Electronics, 2021, 36, 10251-10264.	7.9	21
17	Rotor Current Oriented Control Method of DFIG-DC System Without Stator Side Sensors. IEEE Transactions on Industrial Electronics, 2020, 67, 9958-9962.	7.9	18
18	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.	7.9	17

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19	A Unified Power Control Method for Standalone and Grid-Connected DFIG-DC System. IEEE Transactions on Power Electronics, 2020, 35, 12663-12667.	7.9	16
20	Modified Deadbeat Predictive Current Control Method for Single-Phase AC-DC PFC Converter in EV Charging System. IEEE Transactions on Industrial Electronics, 2023, 70, 286-297.	7.9	16
21	Fractional kVA Rating PWM Converter Doubly Fed Variable Speed Electric Generator Systems: An Overview in 2020. IEEE Access, 2021, 9, 117957-117968.	4.2	14
22	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.	7.9	13
23	Enhancing Transient Stability of PLL-Synchronized Converters by Introducing Voltage Normalization Control. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2021, 11, 69-78.	3.6	13
24	Resonating Power Decoupling Using Multifunctional Bidirectional DC/DC Converter in Hybrid Railway Traction Application. IEEE Transactions on Power Electronics, 2022, 37, 404-415.	7.9	12
25	A Simplified SISO Small-Signal Model for Analyzing Instability Mechanism of Grid-Forming Inverter under Stronger Grid. , 2021, , .		11
26	Impact of Virtual Admittance on Small-Signal Stability of Grid-Forming Inverters. , 2021, , .		11
27	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.	7.9	10
28	Direct Power Magnitude Control of DFIG-DC System Without Orientation Control. IEEE Transactions on Industrial Electronics, 2021, 68, 1365-1373.	7.9	10
29	A Novel Power-Angle Control Method of DFIG-DC System Based on Regulating Air Gap Flux Vector. IEEE Transactions on Power Electronics, 2021, 36, 513-521.	7.9	9
30	Voltage Modulated DPC Strategy of DFIG Using Extended Power Theory under Unbalanced Grid Voltage Conditions. Energies, 2020, 13, 6077.	3.1	7
31	Comparison of Three Small-Signal Stability Analysis Methods for Grid-Following Inverter. , 2021, , .		6
32	Flexible Power Regulation and Limitation of Voltage Source Inverters under Unbalanced Grid Faults. CES Transactions on Electrical Machines and Systems, 2022, 6, 153-161.	3.5	6
33	Coordinated Derived Current Control of DFIG's RSC and GSC Without PLL Under Unbalanced Grid Voltage Conditions. IEEE Access, 2020, 8, 64760-64769.	4.2	5
34	On the Equilibrium Points in Three-Phase PLL Based on the d -axis Voltage Normalization. IEEE Transactions on Power Electronics, 2021, 36, 12146-12150.	7.9	5
35	An Improved Control Scheme for Reducing Circulating Current and Reverse Power of Bidirectional Phase-Shifted Full-Bridge Converter. IEEE Transactions on Power Electronics, 2022, 37, 11620-11635.	7.9	5
36	Eliminating Frequency Coupling of DFIG System Using a Complex Vector PLL. , 2020, , .		4

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37	Comparison of DC-link Voltage Control Schemes on Grid-side and Machine-side for Type-4 Wind Generation System Under Weak Grid. , 2021, , .		4
38	Connection and Control Strategy of PV Converter Integrated into Railway Traction Power Supply System. Energies, 2020, 13, 5989.	3.1	3
39	An Improved DC Voltage Control Method for Standalone DFIG-DC System Based on Direct Torque Resonant Control. , 2020, , .		3
40	Improving the Stability of Standalone MMCs by Shaping the AC Side Impedance Using Insertion Index Compensation. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2022, 12, 81-89.	3.6	3
41	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.	2.1	2
42	A Novel Stator Frequency Control Method of DFIG-DC System Based on Regulating Air Gap Flux Vector. , 2020, , .		1
43	Variable Stator Frequency Diode Rectifier DFIG for Lower Cost MVDC Interface. , 2020, , .		1
44	Modeling and Analysis of Harmonic Currents of GSC Caused by Harmonic Grid Voltage and Dead Time. , 2018, , .		0
45	Harmonic Impedance Modeling of DFIG Considering Dead Time Effect of Rotor Side Converter. , 2018, , .		0
46	Control Scheme of DFIG's RSC and GSC with Self-synchronization Approach. , 2018, , .		0
47	Improved Operation of DFIG System under Harmonically Distorted Grid Considering Interharmonics. , 2019, , .		0
48	Beatless algorithm based on dual-frequency compensation in railway traction applications. IET Power Electronics, 2021, 14, 1985-1994.	2.1	0