

# Dongsheng Yang

## List of Publications by Year in descending order

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52  
papers

2,771  
citations

331670

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526287

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53  
docs citations

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times ranked

2132  
citing authors

#	ARTICLE	IF	CITATIONS
1	Frequency Coupling Suppression Control Strategy for Single-Phase Grid-Tied Inverters in Weak Grid. IEEE Transactions on Industrial Electronics, 2022, 69, 8926-8938.	7.9	15
2	SISO Impedance-Based Stability Analysis for System-Level Small-Signal Stability Assessment of Large-Scale Power Electronics-Dominated Power Systems. IEEE Transactions on Sustainable Energy, 2022, 13, 537-550.	8.8	25
3	Improved DC-Link Voltage Regulation Strategy for Grid-Connected Converters. IEEE Transactions on Industrial Electronics, 2021, 68, 4977-4987.	7.9	55
4	Artificial Neural Network Based Identification of Multi-Operating-Point Impedance Model. IEEE Transactions on Power Electronics, 2021, 36, 1231-1235.	7.9	33
5	DQ-Frame Impedance Measurement of Three-Phase Converters Using Time-Domain MIMO Parametric Identification. IEEE Transactions on Power Electronics, 2021, 36, 2131-2142.	7.9	43
6	Recursive SISO Impedance Modeling of Single-Phase Voltage Source Rectifiers. IEEE Transactions on Power Electronics, 2021, , 1-1.	7.9	13
7	Generalized Impedance-Based Stability Analysis for System- Level Small-Signal Stability Assessment of Large-Scale Power Electronics-Dominated Power Systems. , 2021, , .		3
8	Symmetrical PLL for SISO Impedance Modeling and Enhanced Stability in Weak Grids. IEEE Transactions on Power Electronics, 2020, 35, 1473-1483.	7.9	90
9	Unified Modular State-Space Modeling of Grid-Connected Voltage-Source Converters. IEEE Transactions on Power Electronics, 2020, 35, 9700-9715.	7.9	55
10	Transfer Learning for Identifying Impedance Estimation in Voltage Source Inverters. , 2020, , .		7
11	Identification of the DQ Impedance Model for Three-Phase Power Converter Considering the Coupling Effect of the Grid Impedance. , 2019, , .		3
12	Accurate Open-Loop Impedance Model of Single-Phase Voltage Source Inverter (VSI) Considering the Dead-Time Effects. , 2019, , .		4
13	Impact of Nonlinear Dynamics on Converter DQ Impedance Measurement. , 2019, , .		2
14	The Impact of PLL Dynamics on the Low Inertia Power Grid: A Case Study of Bonaire Island Power System. Energies, 2019, 12, 1259.	3.1	28
15	Impact Analysis and Mitigation of Synchronization Dynamics for DQ Impedance Measurement. IEEE Transactions on Power Electronics, 2019, 34, 8797-8807.	7.9	32
16	Adaptive Reactive Power Control of PV Power Plants for Improved Power Transfer Capability Under Ultra-Weak Grid Conditions. IEEE Transactions on Smart Grid, 2019, 10, 1269-1279.	9.0	95
17	Injected Grid Current Quality Improvement for a Voltage-Controlled Grid-Connected Inverter. IEEE Transactions on Power Electronics, 2018, 33, 1247-1258.	7.9	54
18	Coupled-Inductor-Based DC Current Measurement Technique for Transformerless Grid-Tied Inverters. IEEE Transactions on Power Electronics, 2018, 33, 18-23.	7.9	28

#	ARTICLE	IF	CITATIONS
19	Sideband Harmonic Instability of Paralleled Inverters With Asynchronous Carriers. IEEE Transactions on Power Electronics, 2018, 33, 4571-4577.	7.9	49
20	Impedance Shaping of LCL-Type Grid-Connected Inverter to Improve Its Adaptability to Weak Grid. CPSS Power Electronics Series, 2018, , 227-248.	0.2	1
21	Weighted-Feedforward Scheme of Grid Voltages for the Three-Phase LCL-Type Grid-Connected Inverters Under Weak Grid Condition. CPSS Power Electronics Series, 2018, , 249-270.	0.2	2
22	Reduction of Computation Delay for Improving Stability and Control Performance of LCL-Type Grid-Connected Inverters. CPSS Power Electronics Series, 2018, , 197-225.	0.2	0
23	Closed-loop Elimination of Low-order Sideband Harmonics in Parallel-Connected Low-Pulse Ratio VSIs. , 2018, , .		1
24	Fast Power Control for VSCs to Enhance the Synchronization Stability in Ultra-Weak Grids. , 2018, , .		7
25	Stability Influence of Filter Components Parasitic Resistance on LCL-Filtered Grid Converters. , 2018, , .		3
26	Modeling and Analysis of 2nd Harmonic Interaction for VSC with Transformer under Saturation Condition. , 2018, , .		0
27	Parametric Identification of DQ Impedance Model for Three-Phase Voltage-Source Converters. , 2018, , .		4
28	Small-Signal Model of STATCOM and Its Model Validation. , 2018, , .		1
29	Impact of Synchronization Phase Dynamics on DQ Impedance Measurement. , 2018, , .		8
30	Complex-Vector PLL for Enhanced Synchronization with Weak Power Grids. , 2018, , .		5
31	Control Techniques for LCL-Type Grid-Connected Inverters. CPSS Power Electronics Series, 2018, , .	0.2	83
32	Distributed Power-Generation Systems and Protection. Proceedings of the IEEE, 2017, 105, 1311-1331.	21.3	413
33	Neutral Point Voltage Ripple Suppression for a Three-Phase Four-Wire Inverter With an Independently Controlled Neutral Module. IEEE Transactions on Industrial Electronics, 2017, 64, 2608-2619.	7.9	50
34	Harmonic current control for LCL-filtered VSCs connected to ultra-weak grids. , 2017, , .		10
35	Investigation of the sideband effect for the LCL-type grid-connected inverter with high LCL resonance frequency. , 2017, , .		7
36	Adaptive reactive power control of PV power plants for improved power transfer capability under ultra-weak grid conditions. , 2017, , .		7

#	ARTICLE	IF	CITATIONS
37	Real-time impedance-based stability assessment of grid converter interactions. , 2017, , .		16
38	Suppression of synchronous resonance for VSGs. Journal of Engineering, 2017, 2017, 2574-2579.	1.1	30
39	Improved delayed signal cancellation-based SRF-PLL for unbalanced grid. , 2017, , .		12
40	General power control methods for distributed generation sources and its stability analysis based on unified power models. , 2016, , .		1
41	Small-Signal Modeling and Parameters Design for Virtual Synchronous Generators. IEEE Transactions on Industrial Electronics, 2016, 63, 4292-4303.	7.9	494
42	Step-by-step controller design of voltage closed-loop control for virtual synchronous generator. , 2015, , .		15
43	A Real-Time Computation Method With Dual Sampling Mode to Improve the Current Control Performance of the LCL-Type Grid-Connected Inverter. IEEE Transactions on Industrial Electronics, 2015, 62, 4563-4572.	7.9	170
44	Impedance Shaping of the Grid-Connected Inverter with LCL Filter to Improve Its Adaptability to the Weak Grid Condition. IEEE Transactions on Power Electronics, 2014, 29, 5795-5805.	7.9	392
45	Using virtual impedance network to improve the control performances of LCL-type grid-connected inverter under the weak grid condition. , 2014, , .		11
46	One-Cycle Control for a Double-Input DC/DC Converter. IEEE Transactions on Power Electronics, 2012, 27, 4646-4655.	7.9	93
47	Isolated Multiple-Input DC/DC Converter Using Alternative Pulsating Source as Building Cells. , 2010, , .		12
48	Synthesis of Multiple-Input DC/DC Converters. IEEE Transactions on Power Electronics, 2010, 25, 2372-2385.	7.9	250
49	Modeling, analysis and design for hybrid power systems with dual-input DC/DC converter. , 2009, , .		7
50	Multiple-input full bridge dc/dc converter. , 2009, , .		16
51	A systematic method for generating multiple-input DC/DC converters. , 2008, , .		7
52	Interleaved dual-edge modulation scheme for double-input converter to minimize inductor current ripple. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	7