

Nan Jin

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Hybrid Multi-Vector Modulated Model Predictive Control Strategy for Voltage Source Inverters Based on a New Visualization Analysis Method. IEEE Transactions on Transportation Electrification, 2023, 9, 8-21.	5.3	10
2	An Inductance Online Identification Method for Model Predictive Control of V2G Inverter With Enhanced Robustness to Grid Frequency Deviation. IEEE Transactions on Transportation Electrification, 2022, 8, 1575-1589.	5.3	9
3	An Inductance Online Identification-Based Model Predictive Control Method for Grid-Connected Inverters With an Improved Phase-Locked Loop. IEEE Transactions on Transportation Electrification, 2022, 8, 2695-2709.	5.3	17
4	Double-Vector Model-Free Predictive Control Method for Voltage Source Inverter With Visualization Analysis. IEEE Transactions on Industrial Electronics, 2022, 69, 10066-10078.	5.2	26
5	Dynamic reactive power optimization of distribution network with distributed generation based on fuzzy time clustering. IET Generation, Transmission and Distribution, 2022, 16, 1349-1363.	1.4	5
6	A Unipolar-Duty-Cycle Hybrid Control Strategy of Series-Compensated IPT System for Constant-Current Output and Efficiency Optimization. IEEE Transactions on Power Electronics, 2022, 37, 13884-13901.	5.4	6
7	Multipole Field Cylindrical Reconnection Electromagnetic Launcher. IEEE Transactions on Plasma Science, 2022, 50, 2256-2262.	0.6	0
8	Virtual Vector-Based FCS-MPC for NPC Three-Level Grid-Tied Inverter Without Weighting Factor of Neutral-Point Voltage Balancing. IEEE Access, 2022, 10, 72806-72814.	2.6	7
9	A Model Predictive Control Method for Grid-Connected Power Converters Without AC Voltage Sensors. IEEE Transactions on Industrial Electronics, 2021, 68, 1299-1310.	5.2	43
10	Current Sensor-Less Virtual Synchronous Generator Model Predictive Control Based on Sliding Mode Observer. IEEE Access, 2021, 9, 17898-17908.	2.6	8
11	Design Consideration of Bidirectional Wireless Power Transfer and Full-Duplex Communication System via a Shared Inductive Channel. Energies, 2021, 14, 4918.	1.6	1
12	Research on Energy Recovery of Superconducting Pulsed Power Supply. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.1	0
13	Preliminary Analysis and Simulation of a 20-Hz Repetitive Superconducting Pulsed Power Supply. IEEE Transactions on Plasma Science, 2021, , 1-8.	0.6	0
14	Robust Model Predictive Current Control Method for Grid-Connected Converter Based on Weighted Strategy. , 2021, , .		0
15	Comparative Study of PI Control and Model Predictive Control for Power Converters with LC Filter. , 2021, , .		0
16	A Dual-Vector Modulated MPC Method for Grid-tied Inverter: Visualization Analysis and Verification. , 2021, , .		1
17	A weighted voltage model predictive control method for a virtual synchronous generator with enhanced parameter robustness. Protection and Control of Modern Power Systems, 2021, 6, .	4.3	7
18	Hybrid Voltage Vector Preselection-Based Model Predictive Control for Two-Level Voltage Source Inverters to Reduce the Common-Mode Voltage. IEEE Transactions on Industrial Electronics, 2020, 67, 4680-4691.	5.2	40

#	ARTICLE	IF	CITATIONS
19	Bidirectional Simultaneous Wireless Information and Power Transfer via Sharing Inductive Link and Single Switch in the Secondary Side. IEEE Access, 2020, 8, 184187-184198.	2.6	8
20	A Simultaneous Wireless Information and Power Transfer System With Independent Channel for Information Transfer. IEEE Access, 2020, 8, 125610-125619.	2.6	7
21	Sliding mode observer-based AC voltage sensorless model predictive control for grid-connected inverters. IET Power Electronics, 2020, 13, 2077-2085.	1.5	13
22	Model Predictive Current Control for Fault-Tolerant Bidirectional Voltage Source Converter With Open Circuit Fault and Unbalanced Grid Voltage. IEEE Access, 2020, 8, 154966-154974.	2.6	5
23	Dual-Frequency Output of Wireless Power Transfer System with Single Inverter Using Improved Differential Evolution Algorithm. Energies, 2020, 13, 2209.	1.6	6
24	A Dual-Vector Modulated Model Predictive Control Method for Voltage Source Inverters with a New Duty Cycle Calculation Method. Energies, 2020, 13, 4200.	1.6	3
25	Model Predictive Control for Virtual Synchronous Generator with Improved Vector Selection and Reconstructed Current. Energies, 2020, 13, 5435.	1.6	11
26	Model predictive power control for a fault-tolerant grid-connected converter using reconstructed currents. IET Power Electronics, 2020, 13, 1181-1190.	1.5	7
27	Dual-Frequency Programmed Harmonics Modulation-based Simultaneous Wireless Information and Power Transfer System via a Common Resonance Link. Sustainability, 2020, 12, 4189.	1.6	4
28	A GaN-Based Wireless Power and Information Transmission Method Using Dual-Frequency Programmed Harmonic Modulation. IEEE Access, 2020, 8, 49848-49856.	2.6	9
29	A Novel Inductive Pulsed Power Supply Consisting of a Three-Winding Pulse Transformer With Parallel Switching Scheme. IEEE Transactions on Plasma Science, 2020, , 1-6.	0.6	3
30	Double-voltage vector-based model predictive control for three-phase grid-connected AC/DC converters. Journal of Power Electronics, 2020, 20, 236-244.	0.9	2
31	A Capacitor Voltage Balancing Control Strategy for Modular Multilevel Converter. Electric Power Components and Systems, 2020, 48, 1410-1420.	1.0	4
32	An Improved Model Predictive Control Strategy to Reduce Common-Mode Voltage for Two-Level Voltage Source Inverters Considering Dead-Time Effects. IEEE Transactions on Industrial Electronics, 2019, 66, 3561-3572.	5.2	68
33	Multi-vector Model Predictive Direct Power Control for Fault-tolerant Bidirectional AC/DC Converter. , 2019, , .		2
34	A Novel Power Router with General AC and DC Port. , 2019, , .		1
35	Information Reverse Transmission Method for Bidirectional WPT with Dual Active Bridges. , 2019, , .		1
36	A Novel Conception of SWIPT System Considering Information Independent Transmission. , 2019, , .		2

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37	A Complex Coefficient Filter-Based Grid Impedance Identification Method Considering the Effects of the Grid Background Harmonics. , 2019, , .		0
38	Bidirectional Information Transmission in SWIPT System with Single Controlled Chopper Receiver. Electronics (Switzerland), 2019, 8, 1027.	1.8	10
39	An Alterable Structure Power Router with General AC and DC Port for Microgrid Applications. Energies, 2019, 12, 1815.	1.6	3
40	Hybrid voltage vector preselection based model predictive control to reduce the commonâ€mode voltage for 2â€level voltage source inverters. IET Power Electronics, 2019, 12, 541-549.	1.5	4
41	Model Predictive Control of Grid-connected Converter Based on Virtual Synchronous Machine. , 2019, , .		0
42	Model Predictive Control for Three-Phase Unbalance Compensation under Three-Phase Four-Wire Power System. , 2019, , .		4
43	A Novel Simultaneous Wireless Information and Power Transfer System. , 2019, , .		7
44	A Double-Voltage Vector Based Model Predictive Control Method for Three Phase Four-Switch Fault-Tolerant Converter. , 2019, , .		2
45	A Grid Impedance Identification Method Based on Complex Coefficient Filter Considering DC Offset Effects. , 2019, , .		2
46	Eigenvector Lookup Position Detection Method for Wireless Power Transfer of Electric Vehicles. , 2019, , .		2
47	Model Predictive Control for Three-Phase Four-Wire Power Quality Control under Unbalanced Power Grid. , 2019, , .		0
48	Statistical Model of Foreign Object Detection for Wireless EV Charger. , 2019, , .		4
49	Finiteâ€state model predictive power control of threeâ€phase bidirectional AC/DC converter under unbalanced grid faults with current harmonic reduction and power compensation. IET Power Electronics, 2018, 11, 348-356.	1.5	15
50	Predictive Control of Bidirectional Voltage Source Converter With Reduced Current Harmonics and Flexible Power Regulation Under Unbalanced Grid. IEEE Transactions on Energy Conversion, 2018, 33, 1118-1131.	3.7	47
51	Multiport Bidirectional SRM Drives for Solar-Assisted Hybrid Electric Bus Powertrain With Flexible Driving and Self-Charging Functions. IEEE Transactions on Power Electronics, 2018, 33, 8231-8245.	5.4	64
52	Cost-Effective Current Measurement Technique for Four-Phase SRM Control by Split Dual Bus Line Without Pulse Injection and Voltage Penalty. IEEE Transactions on Industrial Electronics, 2018, 65, 4553-4564.	5.2	20
53	Finite States Model Predictive Control for Fault-Tolerant Operation of a Three-Phase Bidirectional AC/DC Converter Under Unbalanced Grid Voltages. IEEE Transactions on Industrial Electronics, 2018, 65, 819-829.	5.2	98
54	A New Phase Current Reconstruction Scheme for Four-Phase SRM Drives Using Improved Converter Topology Without Voltage Penalty. IEEE Transactions on Industrial Electronics, 2018, 65, 133-144.	5.2	48

#	ARTICLE	IF	CITATIONS
55	Dynamic Cost Function Based Predictive Torque Control for Permanent Magnet Synchronous Motor Without Using Weighting Factor. , 2018, , .		7
56	A Novel Synchronization Technique for Wireless Power Transfer Systems. Electronics (Switzerland), 2018, 7, 319.	1.8	9
57	Topology and Control of Two-Stage Bidirectional AC/DC Fault Tolerant Converter. , 2018, , .		3
58	Simulation of Information Bidirectional Transmission Using Single Switch Receiver in a SWIPT System. , 2018, , .		0
59	Model Predictive Fault Tolerant Control of Bidirectional AC/DC Converter with Voltage Balance of Split Capacitor. , 2018, , .		1
60	A Novel Single-switch Phase Controlled Wireless Power Transfer System. Electronics (Switzerland), 2018, 7, 281.	1.8	3
61	Wireless Power Transfer for Battery Powering System. Electronics (Switzerland), 2018, 7, 178.	1.8	12
62	Constant-Frequency Model Predictive Direct Power Control for Fault-Tolerant Bidirectional Voltage-Source Converter with Balanced Capacitor Voltage. Energies, 2018, 11, 2692.	1.6	8
63	Finite states model predictive direct power control for phase leg faults tolerant operation of bidirectional AC/DC converter. , 2018, , .		3
64	Analysis and Elimination of Dead-Time Effect in Wireless Power Transfer System. Energies, 2018, 11, 1577.	1.6	6
65	Numerical analysis of the shifting slabs applied in a wireless power transfer system to enhance magnetic coupling. AIP Advances, 2017, 7, 055011.	0.6	0
66	A hybrid excitation machine with AC flux control winding. , 2017, , .		0
67	Model Predictive Direct Power Control for Nonredundant Fault Tolerant Grid-Connected Bidirectional Voltage Source Converter. Energies, 2017, 10, 1133.	1.6	11
68	Analysis and Design of a Wireless Power Transfer System with Dual Active Bridges. Energies, 2017, 10, 1588.	1.6	38
69	AC chopper dynamic voltage swells restorer design. , 2012, , .		2