

Xiongfei Wang

List of Publications by Year in descending order

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422
papers

16,702
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20759

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423
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423
times ranked

5873
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling and Analysis of Harmonic Stability in an AC Power-Electronics-Based Power System. IEEE Transactions on Power Electronics, 2014, 29, 6421-6432.	5.4	731
2	Harmonic Stability in Power Electronic-Based Power Systems: Concept, Modeling, and Analysis. IEEE Transactions on Smart Grid, 2019, 10, 2858-2870.	6.2	710
3	Unified Impedance Model of Grid-Connected Voltage-Source Converters. IEEE Transactions on Power Electronics, 2018, 33, 1775-1787.	5.4	584
4	Passivity-Based Stability Assessment of Grid-Connected VSCs—An Overview. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2016, 4, 116-125.	3.7	499
5	Virtual-Impedance-Based Control for Voltage-Source and Current-Source Converters. IEEE Transactions on Power Electronics, 2015, 30, 7019-7037.	5.4	458
6	Distributed Power-Generation Systems and Protection. Proceedings of the IEEE, 2017, 105, 1311-1331.	16.4	413
7	A Review of Passive Power Filters for Three-Phase Grid-Connected Voltage-Source Converters. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2016, 4, 54-69.	3.7	361
8	Grid-Forming Converters: Control Approaches, Grid-Synchronization, and Future Trends—A Review. IEEE Open Journal of Industry Applications, 2021, 2, 93-109.	4.8	345
9	Grid-Current-Feedback Active Damping for <i>LCL</i> Resonance in Grid-Connected Voltage-Source Converters. IEEE Transactions on Power Electronics, 2016, 31, 213-223.	5.4	342
10	Grid-Synchronization Stability of Converter-Based Resources—An Overview. IEEE Open Journal of Industry Applications, 2020, 1, 115-134.	4.8	329
11	An Active Damper for Stabilizing Power-Electronics-Based AC Systems. IEEE Transactions on Power Electronics, 2014, 29, 3318-3329.	5.4	298
12	Transient Stability of Voltage-Source Converters With Grid-Forming Control: A Design-Oriented Study. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 1019-1033.	3.7	278
13	Virtual <i>RC</i> Damping of <i>LCL</i> -Filtered Voltage Source Converters With Extended Selective Harmonic Compensation. IEEE Transactions on Power Electronics, 2015, 30, 4726-4737.	5.4	271
14	Optimal Design of High-Order Passive-Damped Filters for Grid-Connected Applications. IEEE Transactions on Power Electronics, 2016, 31, 2083-2098.	5.4	240
15	Design-Oriented Transient Stability Analysis of PLL-Synchronized Voltage-Source Converters. IEEE Transactions on Power Electronics, 2020, 35, 3573-3589.	5.4	228
16	An Overview of Assessment Methods for Synchronization Stability of Grid-Connected Converters Under Severe Symmetrical Grid Faults. IEEE Transactions on Power Electronics, 2019, 34, 9655-9670.	5.4	226
17	An Improved Second-Order Generalized Integrator Based Quadrature Signal Generator. IEEE Transactions on Power Electronics, 2016, 31, 8068-8073.	5.4	213
18	Influences of Device and Circuit Mismatches on Paralleling Silicon Carbide MOSFETs. IEEE Transactions on Power Electronics, 2016, 31, 621-634.	5.4	204

#	ARTICLE	IF	CITATIONS
19	Active Harmonic Filtering Using Current-Controlled, Grid-Connected DG Units With Closed-Loop Power Control. IEEE Transactions on Power Electronics, 2014, 29, 642-653.	5.4	201
20	A Robust Passive Damping Method for LLCL-Filter-Based Grid-Tied Inverters to Minimize the Effect of Grid Harmonic Voltages. IEEE Transactions on Power Electronics, 2014, 29, 3279-3289.	5.4	201
21	Autonomous Control of Inverter-Interfaced Distributed Generation Units for Harmonic Current Filtering and Resonance Damping in an Islanded Microgrid. IEEE Transactions on Industry Applications, 2014, 50, 452-461.	3.3	195
22	Couplings in Phase Domain Impedance Modelling of Grid-Connected Converters. IEEE Transactions on Power Electronics, 2016, , 1-1.	5.4	194
23	Harmonic Instability Assessment Using State-Space Modeling and Participation Analysis in Inverter-Fed Power Systems. IEEE Transactions on Industrial Electronics, 2017, 64, 806-816.	5.2	193
24	Highly Accurate Derivatives for <i>LCL</i> -Filtered Grid Converter With Capacitor Voltage Active Damping. IEEE Transactions on Power Electronics, 2016, 31, 3612-3625.	5.4	190
25	Passivity-Based Stability Analysis and Damping Injection for Multiparalleled VSCs with LCL Filters. IEEE Transactions on Power Electronics, 2017, 32, 8922-8935.	5.4	174
26	Design-Oriented Transient Stability Analysis of Grid-Connected Converters With Power Synchronization Control. IEEE Transactions on Industrial Electronics, 2019, 66, 6473-6482.	5.2	174
27	Current Limiting Control With Enhanced Dynamics of Grid-Forming Converters During Fault Conditions. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 1062-1073.	3.7	171
28	Grid-Current-Feedback Control for LCL-Filtered Grid Converters With Enhanced Stability. IEEE Transactions on Power Electronics, 2017, 32, 3216-3228.	5.4	162
29	On Stability of Voltage Source Inverters in Weak Grids. IEEE Access, 2018, 6, 4427-4439.	2.6	144
30	VSC Input-Admittance Modeling and Analysis Above the Nyquist Frequency for Passivity-Based Stability Assessment. IEEE Transactions on Industrial Electronics, 2017, 64, 6362-6370.	5.2	143
31	A Review of Power Electronics Based Microgrids. Journal of Power Electronics, 2012, 12, 181-192.	0.9	135
32	Resonance Interaction of Multiparallel Grid-Connected Inverters With LCL Filter. IEEE Transactions on Power Electronics, 2017, 32, 894-899.	5.4	130
33	Stability Analysis and Controller Synthesis for Single-Loop Voltage-Controlled VSIs. IEEE Transactions on Power Electronics, 2017, 32, 7394-7404.	5.4	118
34	Small-Signal Stability Analysis of Inverter-Fed Power Systems Using Component Connection Method. IEEE Transactions on Smart Grid, 2018, 9, 5301-5310.	6.2	117
35	Train- <i>Network Interactions and Stability Evaluation in High-Speed Railways</i> —Part I: Phenomena and Modeling. IEEE Transactions on Power Electronics, 2018, 33, 4627-4642.	5.4	114
36	Harmonic Stability Assessment for Multiparalleled, Grid-Connected Inverters. IEEE Transactions on Sustainable Energy, 2016, 7, 1388-1397.	5.9	111

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37	Impedance-Based Analysis of DC-Link Voltage Dynamics in Voltage-Source Converters. IEEE Transactions on Power Electronics, 2019, 34, 3973-3985.	5.4	109
38	A Mode-Adaptive Power-Angle Control Method for Transient Stability Enhancement of Virtual Synchronous Generators. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 1034-1049.	3.7	96
39	Harmonic Stability and Resonance Analysis in Large PMSC-Based Wind Power Plants. IEEE Transactions on Sustainable Energy, 2018, 9, 12-23.	5.9	95
40	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.	6.2	95
41	Harmonic Interaction Analysis in a Grid-Connected Converter Using Harmonic State-Space (HSS) Modeling. IEEE Transactions on Power Electronics, 2017, 32, 6823-6835.	5.4	94
42	An Estimator-Based Distributed Voltage-Predictive Control Strategy for AC Islanded Microgrids. IEEE Transactions on Power Electronics, 2015, 30, 3934-3951.	5.4	90
43	Symmetrical PLL for SISO Impedance Modeling and Enhanced Stability in Weak Grids. IEEE Transactions on Power Electronics, 2020, 35, 1473-1483.	5.4	90
44	A Series-<i>LC</i>-Filtered Active Damper With Grid Disturbance Rejection for AC Power-Electronics-Based Power Systems. IEEE Transactions on Power Electronics, 2015, 30, 4037-4041.	5.4	87
45	Power electronics - the key technology for renewable energy system integration. , 2015, , .		84
46	Impedance-Based Stability Analysis for Interconnected Converter Systems With Open-Loop RHP Poles. IEEE Transactions on Power Electronics, 2020, 35, 4388-4397.	5.4	82
47	A Novel DBC Layout for Current Imbalance Mitigation in SiC MOSFET Multichip Power Modules. IEEE Transactions on Power Electronics, 2016, 31, 8042-8045.	5.4	81
48	Impedance Analysis of SOGI-FLL-Based Grid Synchronization. IEEE Transactions on Power Electronics, 2017, 32, 7409-7413.	5.4	81
49	Control Strategy for Single-Phase Transformerless Three-Leg Unified Power Quality Conditioner Based on Space Vector Modulation. IEEE Transactions on Power Electronics, 2016, 31, 2840-2849.	5.4	80
50	Review of Small-Signal Modeling Methods Including Frequency-Coupling Dynamics of Power Converters. IEEE Transactions on Power Electronics, 2019, 34, 3313-3328.	5.4	80
51	Vector Current Control Derived from Direct Power Control for Grid-Connected Inverters. IEEE Transactions on Power Electronics, 2019, 34, 9224-9235.	5.4	79
52	Graphical Evaluation of Time-Delay Compensation Techniques for Digitally Controlled Converters. IEEE Transactions on Power Electronics, 2018, 33, 2601-2614.	5.4	77
53	Control of Grid-Connected Voltage-Source Converters: The Relationship Between Direct-Power Control and Vector-Current Control. IEEE Industrial Electronics Magazine, 2019, 13, 31-40.	2.3	77
54	Voltage-Modulated Direct Power Control for a Weak Grid-Connected Voltage Source Inverters. IEEE Transactions on Power Electronics, 2019, 34, 11383-11395.	5.4	77

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55	Impedance-Based High-Frequency Resonance Analysis of DFIG System in Weak Grids. IEEE Transactions on Power Electronics, 2017, 32, 3536-3548.	5.4	72
56	Harmonic Instability Analysis of a Single-Phase Grid-Connected Converter Using a Harmonic State-Space Modeling Method. IEEE Transactions on Industry Applications, 2016, 52, 4188-4200.	3.3	70
57	LLCL-Filtered Grid Converter With Improved Stability and Robustness. IEEE Transactions on Power Electronics, 2016, 31, 3958-3967.	5.4	69
58	Synthesis of Variable Harmonic Impedance in Inverter-Interfaced Distributed Generation Unit for Harmonic Damping Throughout a Distribution Network. IEEE Transactions on Industry Applications, 2012, 48, 1407-1417.	3.3	68
59	Influence of Paralleling Dies and Paralleling Half-Bridges on Transient Current Distribution in Multichip Power Modules. IEEE Transactions on Power Electronics, 2018, 33, 6483-6487.	5.4	68
60	Current Reference Generation Based on Next-Generation Grid Code Requirements of Grid-Tied Converters During Asymmetrical Faults. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 3784-3797.	3.7	67
61	Stability Analysis of Grid-Connected Voltage-Source Converters Using SISO Modeling. IEEE Transactions on Power Electronics, 2019, 34, 8104-8117.	5.4	64
62	A Coordinate Control Strategy for Circulating Current Suppression in Multiparalleled Three-Phase Inverters. IEEE Transactions on Industrial Electronics, 2017, 64, 838-847.	5.2	60
63	Train-“Network Interactions and Stability Evaluation in High-Speed Railways” Part II: Influential Factors and Verifications. IEEE Transactions on Power Electronics, 2018, 33, 4643-4659.	5.4	60
64	A Universal Controller for Grid-Connected Voltage-Source Converters. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 5761-5770.	3.7	60
65	High-Frequency Resonance Damping of DFIG-Based Wind Power System Under Weak Network. IEEE Transactions on Power Electronics, 2017, 32, 1927-1940.	5.4	59
66	Impedance-Based Stability Analysis of Voltage-Controlled MMCs Feeding Linear AC Systems. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 4060-4074.	3.7	59
67	Distributed Optimal Control of Reactive Power and Voltage in Islanded Microgrids. IEEE Transactions on Industry Applications, 2017, 53, 340-349.	3.3	58
68	A review of passive filters for grid-connected voltage source converters. , 2014, , .		57
69	Passivity Enhancement of Grid-Tied Converters by Series LC-Filtered Active Damper. IEEE Transactions on Industrial Electronics, 2017, 64, 369-379.	5.2	57
70	Unified Modular State-Space Modeling of Grid-Connected Voltage-Source Converters. IEEE Transactions on Power Electronics, 2020, 35, 9700-9715.	5.4	55
71	Improved DC-Link Voltage Regulation Strategy for Grid-Connected Converters. IEEE Transactions on Industrial Electronics, 2021, 68, 4977-4987.	5.2	55
72	Droop Control With Improved Disturbance Adaption for a PV System With Two Power Conversion Stages. IEEE Transactions on Industrial Electronics, 2016, 63, 6073-6085.	5.2	54

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73	Realization of Digital Differentiator Using Generalized Integrator For Power Converters. IEEE Transactions on Power Electronics, 2015, 30, 6520-6523.	5.4	53
74	Improved Power Decoupling Scheme for a Single-Phase Grid-Connected Differential Inverter With Realistic Mismatch in Storage Capacitances. IEEE Transactions on Power Electronics, 2017, 32, 186-199.	5.4	53
75	Impedance-Based Harmonic Instability Assessment in a Multiple Electric Trains and Traction Network Interaction System. IEEE Transactions on Industry Applications, 2018, 54, 5083-5096.	3.3	50
76	Sideband Harmonic Instability of Paralleled Inverters With Asynchronous Carriers. IEEE Transactions on Power Electronics, 2018, 33, 4571-4577.	5.4	49
77	Transient Stability Impact of the Phase-Locked Loop on Grid-Connected Voltage Source Converters. , 2018, , .		49
78	Bus Participation Factor Analysis for Harmonic Instability in Power Electronics Based Power Systems. IEEE Transactions on Power Electronics, 2018, 33, 10341-10351.	5.4	48
79	An impedance-based stability analysis method for paralleled voltage source converters. , 2014, , .		47
80	Passivity Enhancement in Renewable Energy Source Based Power Plant With Paralleled Grid-Connected VSIs. IEEE Transactions on Industry Applications, 2017, 53, 3793-3802.	3.3	47
81	Accuracy Analysis of the Zero-Order Hold Model for Digital Pulse Width Modulation. IEEE Transactions on Power Electronics, 2018, 33, 10826-10834.	5.4	47
82	Passivity-Based Analysis and Design of Linear Voltage Controllers For Voltage-Source Converters. IEEE Open Journal of the Industrial Electronics Society, 2020, 1, 114-126.	4.8	47
83	Impedance Measurement of Traction Network and Electric Train for Stability Analysis in High-Speed Railways. IEEE Transactions on Power Electronics, 2018, 33, 10086-10100.	5.4	46
84	Comparative Effectiveness of Stereotactic Electroencephalography Versus Subdural Grids in Epilepsy Surgery. Annals of Neurology, 2021, 90, 927-939.	2.8	45
85	Analysis of phase-locked loop influence on the stability of single-phase grid-connected inverter. , 2015, , .		44
86	Active Damping of $LLCL$ -Filter Resonance Based on LC -Trap Voltage or Current Feedback. IEEE Transactions on Power Electronics, 2016, 31, 2337-2346.	5.4	44
87	A Grid-Voltage-Sensorless Resistive-Active Power Filter With Series LC-Filter. IEEE Transactions on Power Electronics, 2018, 33, 4429-4440.	5.4	44
88	The influence of phase-locked loop on the stability of single-phase grid-connected inverter. , 2015, , .		43
89	Dynamic Impact of Zero-Sequence Circulating Current on Modular Multilevel Converters: Complex-Valued AC Impedance Modeling and Analysis. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 1947-1963.	3.7	43
90	DQ-Frame Impedance Measurement of Three-Phase Converters Using Time-Domain MIMO Parametric Identification. IEEE Transactions on Power Electronics, 2021, 36, 2131-2142.	5.4	43

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91	A Robust DC-Split-Capacitor Power Decoupling Scheme for Single-Phase Converter. IEEE Transactions on Power Electronics, 2017, 32, 8419-8433.	5.4	42
92	SISO Transfer Functions for Stability Analysis of Grid-Connected Voltage-Source Converters. IEEE Transactions on Industry Applications, 2019, 55, 2931-2941.	3.3	42
93	Grid-forming converters: an overview of control approaches and future trends. , 2020, , .		42
94	A Passivity-Based Stability Analysis of the Active Damping Technique in the Offshore Wind Farm Applications. IEEE Transactions on Industry Applications, 2018, 54, 5074-5082.	3.3	41
95	A Highly Robust Single-Loop Current Control Scheme for Grid-Connected Inverter With an Improved LCCL Filter Configuration. IEEE Transactions on Power Electronics, 2018, 33, 8474-8487.	5.4	39
96	Frequency-coupled admittance modelling of grid-connected voltage source converters for the stability evaluation of subsynchronous interaction. IET Renewable Power Generation, 2019, 13, 285-295.	1.7	39
97	Stationary-Frame Complex-Valued Frequency-Domain Modeling of Three-Phase Power Converters. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 1922-1933.	3.7	39
98	Physics-Based Modeling of Parasitic Capacitance in Medium-Voltage Filter Inductors. IEEE Transactions on Power Electronics, 2021, 36, 829-843.	5.4	37
99	Transient Stability of Single-Loop Voltage-Magnitude Controlled Grid-Forming Converters. IEEE Transactions on Power Electronics, 2021, 36, 6158-6162.	5.4	37
100	Analysis and Active Damping of Multiple High Frequency Resonances in DFIG System. IEEE Transactions on Energy Conversion, 2017, 32, 369-381.	3.7	36
101	A Practical Core Loss Model for Filter Inductors of Power Electronic Converters. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 29-39.	3.7	36
102	Multisampling Method for Single-Phase Grid-Connected Cascaded H-Bridge Inverters. IEEE Transactions on Industrial Electronics, 2020, 67, 8322-8334.	5.2	36
103	Principle and Robust Impedance-Based Design of Grid-tied Inverter with LLCL-Filter under Wide Variation of Grid-Reactance. IEEE Transactions on Power Electronics, 2019, 34, 4362-4374.	5.4	35
104	PLL Synchronization Stability Analysis of MMC-Connected Wind Farms Under High-Impedance AC Faults. IEEE Transactions on Power Systems, 2021, 36, 2251-2261.	4.6	35
105	Effects of Auxiliary-Source Connections in Multichip Power Module. IEEE Transactions on Power Electronics, 2017, 32, 7816-7823.	5.4	34
106	AC Impedance Modeling of Modular Multilevel Converters and Two-Level Voltage-Source Converters: Similarities and Differences. , 2018, , .		34
107	Sub-Synchronous Control Interaction in Grid-Forming VSCs with Droop Control. , 2019, , .		34
108	Power Dynamic Decoupling Control of Grid-Forming Converter in Stiff Grid. IEEE Transactions on Power Electronics, 2022, 37, 9073-9088.	5.4	34

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109	Resonance analysis in parallel voltage-controlled Distributed Generation inverters. , 2013, , .		33
110	An active damper to suppress multiple resonances with unknown frequencies. , 2014, , .		33
111	Artificial Neural Network Based Identification of Multi-Operating-Point Impedance Model. IEEE Transactions on Power Electronics, 2021, 36, 1231-1235.	5.4	33
112	A Current Limiting Method for Single-Loop Voltage-Magnitude Controlled Grid-Forming Converters During Symmetrical Faults. IEEE Transactions on Power Electronics, 2022, 37, 4751-4763.	5.4	33
113	An improved design of virtual output impedance loop for droop-controlled parallel three-phase voltage source inverters. , 2012, , .		32
114	An Enhanced Dual Droop Control Scheme for Resilient Active Power Sharing Among Paralleled Two-Stage Converters. IEEE Transactions on Power Electronics, 2017, 32, 6091-6104.	5.4	32
115	An Efficient Reduced-Order Model for Studying Synchronization Stability of Grid-Following Converters during Grid Faults. , 2019, , .		32
116	Impact Analysis and Mitigation of Synchronization Dynamics for DQ Impedance Measurement. IEEE Transactions on Power Electronics, 2019, 34, 8797-8807.	5.4	32
117	Rethinking Current Controller Design for PLL-Synchronized VSCs in Weak Grids. IEEE Transactions on Power Electronics, 2021, , 1-1.	5.4	32
118	Modeling of VSC-Based Power Systems in the Extended Harmonic Domain. IEEE Transactions on Power Electronics, 2017, 32, 5907-5916.	5.4	31
119	Doubly Fed Induction Generator System Resonance Active Damping Through Stator Virtual Impedance. IEEE Transactions on Industrial Electronics, 2017, 64, 125-137.	5.2	31
120	Frequency-Domain Modeling and Simulation of DC Power Electronic Systems Using Harmonic State Space Method. IEEE Transactions on Power Electronics, 2017, 32, 1044-1055.	5.4	30
121	Suppression of synchronous resonance for VSGs. Journal of Engineering, 2017, 2017, 2574-2579.	0.6	30
122	Reduced-Order and Aggregated Modeling of Large-Signal Synchronization Stability for Multiconverter Systems. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 3150-3165.	3.7	30
123	Aliasing Suppression of Multisampled Current-Controlled LCL-Filtered Inverters. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 2411-2423.	3.7	30
124	Proportional derivative based stabilizing control of paralleled grid converters with cables in renewable power plants. , 2014, , .		29
125	Distributed energy resources in grid interactive AC microgrids. , 2010, , .		28
126	The Impact of PLL Dynamics on the Low Inertia Power Grid: A Case Study of Bonaire Island Power System. Energies, 2019, 12, 1259.	1.6	28

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127	Two-Port Network Modeling and Stability Analysis of Grid-Connected Current-Controlled VSCs. IEEE Transactions on Power Electronics, 2020, 35, 3519-3529.	5.4	28
128	Complex-Valued Multifrequency Admittance Model of Three-Phase VSCs in Unbalanced Grids. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 1934-1946.	3.7	28
129	Control Interaction Modeling and Analysis of Grid-Forming Battery Energy Storage System for Offshore Wind Power Plant. IEEE Transactions on Power Systems, 2022, 37, 497-507.	4.6	27
130	Comparative evaluation of passive damping topologies for parallel grid-connected converters with LCL filters. , 2014, , .		26
131	Grid Synchronization With Selective Harmonic Detection Based on Generalized Delayed Signal Superposition. IEEE Transactions on Power Electronics, 2018, 33, 3938-3949.	5.4	26
132	Passivation of Current-Controlled Grid-Connected VSCs Using Passivity Indices. IEEE Transactions on Industrial Electronics, 2019, 66, 8971-8980.	5.2	26
133	Asymmetric Complex-Vector Models With Application to VSC-Grid Interaction. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 1911-1921.	3.7	26
134	A centralized control architecture for harmonic voltage suppression in islanded microgrids. , 2011, , .		25
135	A unified impedance model of voltage-source converters with phase-locked loop effect. , 2016, , .		25
136	A Comprehensive Design Approach of Power Electronic-Based Distributed Generation Units Focused on Power-Quality Improvement. IEEE Transactions on Power Delivery, 2017, 32, 942-950.	2.9	25
137	Design of Multifrequency Proportional-Resonant Current Controllers for Voltage-Source Converters. IEEE Transactions on Power Electronics, 2020, 35, 13573-13589.	5.4	25
138	Interaction and aggregated modeling of multiple paralleled inverters with LCL filter. , 2015, , .		24
139	Linearized Modeling Methods of AC-DC Converters for an Accurate Frequency Response. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2017, 5, 1526-1541.	3.7	23
140	Transient angle stability analysis of grid-connected converters with the first-order active power loop. , 2018, , .		23
141	Transient Stability Impact of Reactive Power Control on Grid-Connected Converters. , 2019, , .		23
142	Small-Signal Modeling of AC Power Electronic Systems: Critical Review and Unified Modeling. IEEE Open Journal of Power Electronics, 2021, 2, 424-439.	4.0	23
143	Control of grid interactive AC microgrids. , 2010, , .		22
144	Analysis and design of grid-current-feedback active damping for LCL resonance in grid-connected voltage source converters. , 2014, , .		22

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145	Systematic Approach for Transient Stability Evaluation of Grid-Tied Converters during Power System Faults. , 2019, , .		22
146	Virtual-Flux-Based Passivation of Current Control for Grid-Connected VSCs. IEEE Transactions on Power Electronics, 2020, 35, 12673-12677.	5.4	22
147	Thermal Characterization of Silicon Carbide MOSFET Module Suitable for High-Temperature Computationally Efficient Thermal-Profile Prediction. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 3947-3958.	3.7	22
148	A Review of Multisampling Techniques in Power Electronics Applications. IEEE Transactions on Power Electronics, 2022, 37, 10514-10533.	5.4	22
149	Secondary voltage control for harmonics suppression in islanded microgrids. , 2011, , .		21
150	An analysis method for harmonic resonance and stability of multi-paralleled LCL-filtered inverters. , 2015, , .		21
151	A unified active damping control for single-phase differential mode buck inverter with LCL-filter. , 2015, , .		21
152	Harmonic Analysis and Mitigation of Low-Frequency Switching Voltage Source Inverter With Auxiliary VSI. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 1355-1365.	3.7	21
153	Line Voltage Sensorless Control of Grid-Connected Inverters Using Multisampling. IEEE Transactions on Power Electronics, 2022, 37, 4792-4803.	5.4	21
154	Small-Signal Modeling and Controller Parameters Tuning of Grid-Forming VSCs With Adaptive Virtual Impedance-Based Current Limitation. IEEE Transactions on Power Electronics, 2022, 37, 7185-7199.	5.4	21
155	An Adaptive Phase-Locked Loop for the Transient Stability Enhancement of Grid-Connected Voltage Source Converters. , 2018, , .		20
156	A Carrier Synchronization Method for Global Synchronous Pulsewidth Modulation Application Using Phase-Locked Loop. IEEE Transactions on Power Electronics, 2019, 34, 10720-10732.	5.4	20
157	Real-Time Calculation Method for Single-Phase Cascaded H-Bridge Inverters Based on Phase-Shifted Carrier Pulsewidth Modulation. IEEE Transactions on Power Electronics, 2020, 35, 977-987.	5.4	20
158	Modeling of Converter Synchronization Stability Under Grid Faults: The General Case. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 2790-2804.	3.7	20
159	Vagus nerve stimulation for drug-resistant epilepsy induced by tuberous sclerosis complex. Epilepsy and Behavior, 2022, 126, 108431.	0.9	19
160	Power decoupling with autonomous reference generation for single-phase differential inverters. , 2015, , .		18
161	Generic PLL-Based Grid-Forming Control. IEEE Transactions on Power Electronics, 2021, , 1-1.	5.4	18
162	Passivity-Based Dual-Loop Vector Voltage and Current Control for Grid-Forming VSCs. IEEE Transactions on Power Electronics, 2021, 36, 8647-8652.	5.4	18

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163	Modeling and identification of harmonic instability problems in wind farms. , 2016, , .		17
164	Grid-voltage-feedforward active damping for grid-connected inverter with LCL filter. , 2016, , .		17
165	Low-Complexity Model Predictive Control of Single-Phase Three-Level Rectifiers With Unbalanced Load. IEEE Transactions on Power Electronics, 2018, 33, 8936-8947.	5.4	17
166	General Rules of Using Bode Plots for Impedance-Based Stability Analysis. , 2018, , .		17
167	A dq -Frame Asymmetrical Virtual Impedance Control for Enhancing Transient Stability of Grid-Forming Inverters. IEEE Transactions on Power Electronics, 2022, 37, 4535-4544.	5.4	17
168	Modeling and Control of a Two-Bus System With Grid-Forming and Grid-Following Converters. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 7133-7149.	3.7	17
169	Harmonic interaction analysis in grid connected converter using Harmonic State Space (HSS) modeling. , 2015, , .		16
170	High-performance feedback-type active damping of LCL-filtered voltage source converters. , 2015, , .		16
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