Xiaorong Xie

List of Publications by Year
in descending order

173 papers	5,133 citations	101543 36 h-index	98798 67 g-index
173 all docs	173 docs citations	173 times ranked	2719 citing authors

#	Article	IF	Citations
1	Distributed Optimal Energy Management in Microgrids. IEEE Transactions on Smart Grid, 2015, 6, 1137-1146.	9.0	418
2	Subsynchronous Interaction Between Direct-Drive PMSG Based Wind Farms and Weak AC Networks. IEEE Transactions on Power Systems, 2017, 32, 4708-4720.	6.5	392
3	Investigation of SSR in Practical DFIG-Based Wind Farms Connected to a Series-Compensated Power System. IEEE Transactions on Power Systems, 2015, 30, 2772-2779.	6.5	364
4	Characteristic Analysis of Subsynchronous Resonance in Practical Wind Farms Connected to Series-Compensated Transmissions. IEEE Transactions on Energy Conversion, 2017, 32, 1117-1126.	5.2	242
5	Quantitative SSR Analysis of Series-Compensated DFIG-Based Wind Farms Using Aggregated RLC Circuit Model. IEEE Transactions on Power Systems, 2017, 32, 474-483.	6.5	232
6	Optimal Residential Demand Response in Distribution Networks. IEEE Journal on Selected Areas in Communications, 2014, 32, 1441-1450.	14.0	167
7	An Oscillatory Stability Criterion Based on the Unified <inline-formula> <tex-math notation="LaTeX">dq </tex-math> </inline-formula>-Frame Impedance Network Model for Power Systems With High-Penetration Renewables. IEEE Transactions on Power Systems, 2018, 33, 3472-3485.	6.5	146
8	Stability Analysis of SSR in Multiple Wind Farms Connected to Series-Compensated Systems Using Impedance Network Model. IEEE Transactions on Power Systems, 2018, 33, 3118-3128.	6.5	130
9	Overview of emerging subsynchronous oscillations in practical wind power systems. Renewable and Sustainable Energy Reviews, 2019, 99, 159-168.	16.4	127
10	Power system stability issues, classifications and research prospects in the context of high-penetration of renewables and power electronics. Renewable and Sustainable Energy Reviews, 2021, 145, 111111.	16.4	113
11	WAMS applications in Chinese power systems. IEEE Power and Energy Magazine, 2006, 4, 54-63.	1.6	110
12	Direct Heuristic Dynamic Programming for Damping Oscillations in a Large Power System. IEEE Transactions on Systems, Man, and Cybernetics, 2008, 38, 1008-1013.	5.0	91
13	Sub- and Super-Synchronous Interactions Between STATCOMs and Weak AC/DC Transmissions With Series Compensations. IEEE Transactions on Power Electronics, 2018, 33, 7424-7437.	7.9	87
14	A neutral-point potential balancing algorithm for three-level NPC inverters using analytically injected zero-sequence voltage. , 0, , .		75
15	Real-World Subsynchronous Oscillation Events in Power Grids With High Penetrations of Inverter-Based Resources. IEEE Transactions on Power Systems, 2023, 38, 316-330.	6.5	75
16	Mitigating subsynchronous control interaction in wind power systems: Existing techniques and open challenges. Renewable and Sustainable Energy Reviews, 2019, 108, 330-346.	16.4	72
17	Frequency-Domain Modal Analysis of the Oscillatory Stability of Power Systems With High-Penetration Renewables. IEEE Transactions on Sustainable Energy, 2019, 10, 1534-1543.	8.8	67
18	An Emergency-Demand-Response Based Under Speed Load Shedding Scheme to Improve Short-Term Voltage Stability. IEEE Transactions on Power Systems, 2017, 32, 3726-3735.	6.5	63

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19	Mitigation of Multimodal SSR Using SEDC in the Shangdu Series-Compensated Power System. IEEE Transactions on Power Systems, 2011, 26, 384-391.	6.5	60
20	Mitigation of SSR by embedding subsynchronous notch filters into DFIG converter controllers. IET Generation, Transmission and Distribution, 2017, 11, 2888-2896.	2.5	59
21	Improving AGC Performance of Coal-Fueled Thermal Generators Using Multi-MW Scale BESS: A Practical Application. IEEE Transactions on Smart Grid, 2018, 9, 1769-1777.	9.0	59
22	Impedance Network Modeling and Quantitative Stability Analysis of Sub-/Super-Synchronous Oscillations for Large-Scale Wind Power Systems. IEEE Access, 2018, 6, 34431-34438.	4.2	52
23	A Novel Hybrid-Arm Bipolar MMC Topology With DC Fault Ride-Through Capability. IEEE Transactions on Power Delivery, 2017, 32, 1404-1413.	4.3	50
24	Dynamic tracking of low-frequency oscillations with improved prony method in wide-area measurement system. , 0, , .		47
25	A Grid-Side Subsynchronous Damping Controller to Mitigate Unstable SSCI and Its Hardware-in-the-loop Tests. IEEE Transactions on Sustainable Energy, 2020, 11, 1548-1558.	8.8	46
26	A System-Wide Protection Against Unstable SSCI in Series-Compensated Wind Power Systems. IEEE Transactions on Power Delivery, 2018, 33, 3095-3104.	4.3	45
27	Hardware-in-the-Loop and Field Validation of a Rotor-Side Subsynchronous Damping Controller for a Series Compensated DFIG System. IEEE Transactions on Power Delivery, 2021, 36, 698-709.	4.3	42
28	Centralised solution for subsynchronous control interaction of doubly fed induction generators using voltageâ€sourced converter. IET Generation, Transmission and Distribution, 2015, 9, 2751-2759.	2.5	41
29	A Novel Interfacing Technique for Distributed Hybrid Simulations Combining EMT and Transient Stability Models. IEEE Transactions on Power Delivery, 2018, 33, 130-140.	4.3	41
30	Stability Analysis and Controller Design of a Wide-Area Time-Delay System Based on the Expectation Model Method. IEEE Transactions on Smart Grid, 2016, 7, 520-529.	9.0	40
31	Dynamic Phasor Based Interface Model for EMT and Transient Stability Hybrid Simulations. IEEE Transactions on Power Systems, 2018, 33, 3930-3939.	6.5	40
32	Demand-Response-Based Distributed Preventive Control to Improve Short-Term Voltage Stability. IEEE Transactions on Smart Grid, 2018, 9, 4785-4795.	9.0	40
33	Interpolated DFT-Based Identification of Sub-Synchronous Oscillation Parameters Using Synchrophasor Data. IEEE Transactions on Smart Grid, 2020, 11, 2662-2675.	9.0	40
34	Comparative Studies on the Impedance Models of VSC-Based Renewable Generators for SSI Stability Analysis. IEEE Transactions on Energy Conversion, 2019, 34, 1442-1453.	5.2	39
35	Frequencyâ€coupled admittance modelling of gridâ€connected voltage source converters for the stability evaluation of subsynchronous interaction. IET Renewable Power Generation, 2019, 13, 285-295.	3.1	39
36	Adaptive Damping Control of Subsynchronous Oscillation in DFIG-Based Wind Farms Connected to Series-Compensated Network. IEEE Transactions on Power Delivery, 2022, 37, 1036-1049.	4.3	39

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37	Mitigation of Multimodal Subsynchronous Resonance Via Controlled Injection of Supersynchronous and Subsynchronous Currents. IEEE Transactions on Power Systems, 2014, 29, 1335-1344.	6.5	38
38	Frequency-Coupling Admittance Modeling of Converter-Based Wind Turbine Generators and the Control-Hardware-in-the-Loop Validation. IEEE Transactions on Energy Conversion, 2020, 35, 425-433.	5.2	38
39	Probabilistic Stability Analysis of Subsynchronous Resonance for Series-Compensated DFIG-Based Wind Farms. IEEE Transactions on Sustainable Energy, 2018, 9, 400-409.	8.8	37
40	Development and Field Experiments of a Generator Terminal Subsynchronous Damper. IEEE Transactions on Power Electronics, 2014, 29, 1693-1701.	7.9	35
41	Identifying the Source of Subsynchronous Control Interaction via Wide-Area Monitoring of Sub/Super-Synchronous Power Flows. IEEE Transactions on Power Delivery, 2020, 35, 2177-2185.	4.3	34
42	Modeling and stability analysis methods for investigating subsynchronous control interaction in large-scale wind power systems. Renewable and Sustainable Energy Reviews, 2021, 135, 110420.	16.4	34
43	Shifted Frequency Modeling of Hybrid Modular Multilevel Converters for Simulation of MTDC Grid. IEEE Transactions on Power Delivery, 2018, 33, 1288-1298.	4.3	33
44	Identifying Sources of Subsynchronous Resonance Using Wide-Area Phasor Measurements. IEEE Transactions on Power Delivery, 2021, 36, 3242-3254.	4.3	32
45	Frequency-Coupling Impedance Model Based Analysis of a High-Frequency Resonance Incident in an Actual MMC-HVDC System. IEEE Transactions on Power Delivery, 2020, 35, 2963-2971.	4.3	31
46	WAMS-based detection and early-warning of low-frequency oscillations in large-scale power systems. Electric Power Systems Research, 2008, 78, 897-906.	3.6	29
47	An intelligently optimized SEDC for multimodal SSR mitigation. Electric Power Systems Research, 2009, 79, 1018-1024.	3.6	29
48	Applying Improved Blocking Filters to the SSR Problem of the Tuoketuo Power System. IEEE Transactions on Power Systems, 2013, 28, 227-235.	6.5	29
49	Wide-area monitoring and early-warning of subsynchronous oscillation in power systems with high-penetration of renewables. International Journal of Electrical Power and Energy Systems, 2019, 108, 31-39.	5.5	29
50	Robust subsynchronous damping control to stabilise SSR in seriesâ€compensated wind power systems. IET Generation, Transmission and Distribution, 2019, 13, 337-344.	2.5	27
51	Synchronized Waveforms â€“ A Frontier of Data-Based Power System and Apparatus Monitoring, Protection, and Control. IEEE Transactions on Power Delivery, 2022, 37, 3-17.	4.3	27
52	An Integrated High Side Var-Voltage Control Strategy to Improve Short-Term Voltage Stability of Receiving-End Power Systems. IEEE Transactions on Power Systems, 2016, 31, 2105-2115.	6.5	26
53	A Nearly Decoupled Admittance Model for Grid-Tied VSCs Under Variable Operating Conditions. IEEE Transactions on Power Electronics, 2020, 35, 9380-9389.	7.9	26
54	Combined Application of SEDC and GTSDC for SSR Mitigation and Its Field Tests. IEEE Transactions on Power Systems, 2016, 31, 769-776.	6.5	25

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55	Improved synchrophasor measurement to capture sub/superâ€synchronous dynamics in power systems with renewable generation. IET Renewable Power Generation, 2019, 13, 49-56.	3.1	25
56	A Multirate EMT Co-Simulation of Large AC and MMC-Based MTDC Systems. IEEE Transactions on Power Systems, 2018, 33, 1252-1263.	6.5	24
57	Analytical Examination on the Amplifying Effect of Weak Grid Connection for the DFIGs to Induce Torsional Sub-synchronous Oscillations. IEEE Transactions on Power Delivery, 2020, 35, 1928-1938.	4.3	23
58	Damping multimodal subsynchronous resonance using a static var compensator controller optimized by genetic algorithm and simulated annealing. European Transactions on Electrical Power, 2012, 22, 1191-1204.	1.0	22
59	A distributed optimal energy management strategy for microgrids. , 2014, , .		22
60	Review of emerging SSR/SSO issues and their classifications. Journal of Engineering, 2017, 2017, 1666-1670.	1.1	21
61	Review of oscillations in VSCâ€HVDC systems caused by control interactions. Journal of Engineering, 2019, 2019, 1204-1207.	1.1	21
62	A Multi-Domain Co-Simulation Method for Comprehensive Shifted-Frequency Phasor DC-Grid Models and EMT AC-Grid Models. IEEE Transactions on Power Electronics, 2019, 34, 10557-10574.	7.9	21
63	DC fault current limiting effect of MMC submodule capacitors. International Journal of Electrical Power and Energy Systems, 2020, 115, 105444.	5.5	21
64	SEDC's Ability to Stabilize SSR: A Case Study on a Practical Series-Compensated Power System. IEEE Transactions on Power Systems, 2014, 29, 3092-3101.	6.5	20
65	Impedance Network Model Based Modal Observability and Controllability Analysis for Renewable Integrated Power Systems. IEEE Transactions on Power Delivery, 2021, 36, 2025-2034.	4.3	19
66	Mitigating High-Frequency Resonance in MMC-HVDC Systems Using Adaptive Notch Filters. IEEE Transactions on Power Systems, 2022, 37, 2086-2096.	6.5	18
67	Identification of Modeling Boundaries for SSR Studies in Series Compensated Power Networks. IEEE Transactions on Power Systems, 2017, 32, 4851-4860.	6.5	17
68	A small-signal impedance method for analyzing the SSR of series-compensated DFIG-based wind farms. , 2015, , .		15
69	Integrated generation-transmission expansion planning for offshore oilfield power systems based on genetic Tabu hybrid algorithm. Journal of Modern Power Systems and Clean Energy, 2017, 5, 117-125.	5.4	15
70	Mechanism and characteristic analyses of subsynchronous oscillations caused by the interactions between directâ€drive wind turbines and weak AC power systems. Journal of Engineering, 2017, 2017, 1651-1656.	1.1	15
71	Development of HVRT and LVRT Control Strategy for PMSG-Based Wind Turbine Generators. Energies, 2020, 13, 5442.	3.1	15
72	Monitoring of subsynchronous oscillation in a seriesâ€compensated wind power system using an adaptive extended Kalman filter. IET Renewable Power Generation, 2020, 14, 4193-4203.	3.1	15

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73	Frequencyâ€coupled impedance modelâ€based subâ€synchronous interaction analysis for directâ€drive wind turbines connected to a weak AC grid. IET Renewable Power Generation, 2019, 13, 2966-2976.	3.1	14
74	Damping multimodal subsynchronous resonance using a generator terminal subsynchronous damping controller. Electric Power Systems Research, 2013, 99, 1-8.	3.6	13
75	Continuous-Mass-Model-Based Mechanical_newline and Electrical Co-Simulation of SSR and Its Application to a Practical Shaft Failure Event. IEEE Transactions on Power Systems, 2016, 31, 5172-5180.	6.5	13
76	Optimization and coordination of wide-area damping controls for enhancing the transfer capability of interconnected power systems. Electric Power Systems Research, 2008, 78, 1099-1108.	3.6	12
77	The framework and algorithm of a new phasor measurement unit. , 0, , .		11
78	Inter-area damping control of STATCOM using wide-area measurements. , 0, , .		11
79	Hybrid method for numerical oscillation suppression based on rationalâ€fraction approximations to exponential functions. IET Generation, Transmission and Distribution, 2016, 10, 2825-2832.	2.5	11
80	Harmonic Phasor Estimation Based on Frequency-Domain Sampling Theorem. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-10.	4.7	11
81	Inclusion of Current Limiter Nonlinearity in the Characteristic Analysis of Sustained Subsynchronous Oscillations in Grid-Connected PMSGs. IEEE Transactions on Energy Conversion, 2021, 36, 2416-2426.	5.2	11
82	Study on Medium and Long-Term Generation Expansion Planning Method Considering the Requirements of Green Low-Carbon Development. , 2018, , .		10
83	Real-time supervision for STATCOM installations. IEEE Computer Applications in Power, 2000, 13, 43-47.	0.2	9
84	Online estimation of turbineâ€“generator shaft fatigue loss-of-life caused by subsynchronous resonance. Electric Power Systems Research, 2012, 92, 171-179.	3.6	9
85	Mitigation of Sub-Synchronous Control Interaction in Wind Power systems with GA-SA tuned Damping Controller. IFAC-PapersOnLine, 2017, 50, 8740-8745.	0.9	9
86	Hydrogen production equipmentâ€based supplementary damping control to mitigate subsynchronous oscillation in wind power systems. IET Renewable Power Generation, 2019, 13, 2715-2722.	3.1	9
87	Small Signal Stability Assessment with Online Eigenvalue Identification Based on Wide-area Measurement System. , 0, , .		8
88	Damping subsynchronous resonance in series-compensated wind farms by adding notch filters to DFIG controllers. , 2015, , .		8
89	Optimal design of linear subsynchronous damping controllers for stabilising torsional interactions under all possible operating conditions. IET Generation, Transmission and Distribution, 2015, 9, 1652-1661.	2.5	8
90	Measurement of sub- and supersynchronous phasors in power systems with high penetration of renewables. , 2016, , .		8

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91	Realâ€time optimisation of emergency demand response and HVDC power modulation to improve shortâ€term frequency stability of the receivingâ€end power systems. Journal of Engineering, 2019, 2019, 1952-1957.	1.1	8
92	Challenges and innovations in online teaching during the outbreak of COVID-19 in China. , 2020, , .		8
93	Fast Online Identification of the Dominant Parameters of Composite Load Model Using Volterra Model and Pattern Classification. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	7
94	An integrated control strategy of battery energy storage system in microgrid. , 2013, , .		7
95	Identifying torsional modal parameters of large turbine generators based on the supplementary-excitation-signal-injection test. International Journal of Electrical Power and Energy Systems, 2014, 56, 1-8.	5.5	7
96	A two-level SSR protection system and its application at the Shangdu Power Plant. International Journal of Electrical Power and Energy Systems, 2015, 64, 1229-1236.	5.5	7
97	Realâ€time optimisation of shortâ€term frequency stability controls for a power system with renewables and multiâ€infeed HVDCs. IET Renewable Power Generation, 2018, 12, 1462-1469.	3.1	7
98	Impedance modelling of gridâ€connected voltageâ€source converters considering the saturation nonâ€linearity. IET Generation, Transmission and Distribution, 2020, 14, 4815-4823.	2.5	7
99	Frequencyâ€coupled impedance model based subsynchronous oscillation analysis for directâ€drive wind turbines connected to a weak AC power system. Journal of Engineering, 2019, 2019, 4841-4846.	1.1	7
100	STATCOM and generator excitation: coordinated and optimal control for improving dynamic performance and transfer capability of interconnected power systems. , 2002, , .		6
101	6 kV/1800 kVA medium voltage drive with three-level NPC inverter using IGCTs. , 0, , .		6
102	Simultaneously tuning decentralized nonlinear optimal excitation controllers in multimachine power systems. Electric Power Systems Research, 2005, 74, 371-378.	3.6	6
103	WAMS-based Load Shedding for Systems Suffering Power Deficit. , 0, , .		6
104	Localâ€area STVS control system. IET Generation, Transmission and Distribution, 2016, 10, 3901-3909.	2.5	6
105	Quantitative analysis of sustained oscillation associated with saturation nonâ€linearity in a gridâ€connected voltage source converter. IET Renewable Power Generation, 2021, 15, 865-876.	3.1	6
106	Vectorâ€fittingâ€based quantitative SSCI analysis for seriesâ€compensated wind power systems. IET Renewable Power Generation, 2020, 14, 3023-3034.	3.1	6
107	An Approximate Aggregated Impedance Model of a Grid-Connected Wind Farm for the Study of Small-Signal Stability. IEEE Transactions on Power Systems, 2022, 37, 3847-3861.	6.5	6
108	Stability Region Analysis of Grid-Tied Voltage Sourced Converters Using Variable Operating Point Impedance Model. IEEE Transactions on Power Systems, 2023, 38, 1125-1137.	6.5	6

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109	MATLAB-based simulation of three-level PWM inverter-fed motor speed control system. , 0, , .		5
110	Investigation of SSTI Between Practical MMC-based VSC-HVDC and Adjacent Turbogenerators through Modal Signal Injection Test. IEEE Transactions on Power Delivery, 2016, , 1-1.	4.3	5
111	Compensation scheme for secondary arc current on fourâ€circuit parallel transmission lines. IET Generation, Transmission and Distribution, 2016, 10, 2079-2086.	2.5	5
112	Supplementary Damping Control of STATCOM to Mitigate SSCI. , 2019, , .		5
113	Oscillatory Stability Analysis for Wind Power Systems Based on Operating-Condition Dependent Impedance Model. , 2021, , .		5
114	Advances on power system oscillation. Chinese Science Bulletin, 2020, 65, 1119-1129.	0.7	5
115	Security Region Analysis of Sub/Super-Synchronous Oscillations in Wind Power Systems. , 2021, , .		5
116	Estimation of High-Frequency Oscillationâ€™s Magnitude and Frequency Based on Multi-Tone FIR Filter. IEEE Transactions on Power Systems, 2023, 38, 528-536.	6.5	5
117	Optimal design of SVC-based subsynchronous damping control using genetic and simulated annealing algorithm. , 2008, , .		4
118	Subsynchronous Oscillation Characteristic Study of Wind-Thermal Power Bundling And EHV AC-DC Hybrid Transmission System. , 2018, , .		4
119	Wide-band Phasor Measurement Unit: Design and Test. , 2019, , .		4
120	Synchronization Stability of Grid-Following Converters Governed by Saturation Nonlinearities. IEEE Transactions on Power Systems, 2022, 37, 4102-4105.	6.5	4
121	Torsional Vibration Analysis and Stress Calculation for the Fault 600MW Steam Turbine Generator Shaft System. , 2009, , .		3
122	Modeling and analysis of independent offshore platforms micro-grid. , 2011, , .		3
123	Neutral-point-clamped hybrid multilevel converter with DC fault blocking capability for medium-voltage DC transmission. Journal of Modern Power Systems and Clean Energy, 2017, 5, 524-536.	5.4	3
124	Online Optimal Power Control of an Offshore Oil-Platform Power System. Technology and Economics of Smart Grids and Sustainable Energy, 2018, 3, 1.	2.6	3
125	A Two-Layer Network Equivalent With Local Passivity Compensation With Applications to Hybrid Simulations of MMC-Based ACâ€“DC Grids. IEEE Transactions on Power Systems, 2019, 34, 4514-4524.	6.5	3
126	The Role of Pumped Hydro Storage in Supporting Modern Power Systems: A Review of the Practices in China. , 2019, , .		3

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127	Real-Time Simulation of Hybrid Modular Multilevel Converters Using Shifted Phasor Models. IEEE Access, 2019, 7, 2376-2386.	4.2	3
128	A novel adaptive linear prediction-based parameter estimation method for monitoring sub-/inter-harmonics during SSI events. International Journal of Electrical Power and Energy Systems, 2021, 132, 107133.	5.5	3
129	Development of instantaneous transient torque protection against torque amplification for turbine generators in a series-compensated power system. International Journal of Electrical Power and Energy Systems, 2022, 134, 107444.	5.5	3
130	An Extended Kalman Filtering based Time-Varying Fundamental and Subsynchronous Frequency Tracker. , 2019, , .		3
131	Oscillatory Stability Region Analysis of Black-Box CIGs. IEEE Transactions on Power Electronics, 2022, 37, 8780-8784.	7.9	3
132	Subsynchronous Oscillation Events in an MTDC-connected Renewable Energy System. , 2021, , .		3
133	Development of MATLAB/sup /spl reg// simulation platform for three-level PWM inverter-fed motor speed control system. , 0, , .		2
134	A Method of Fast Stability Simulation for Online Transient Pre-decision. , 0, , .		2
135	Direct Neural Dynamic Programming Method for Power System Stability Enhancement. , 0, , .		2
136	Convergence of Direct Heuristic Dynamic Programming in Power System Stability Control. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	2
137	A quantitative evaluation method of transient voltage stability for large-scale receiving systems and its influencing factors. , 2014, , .		2
138	Coordinated parameters design of SEDC and GTSDC for SSR mitigation. , 2014, , .		2
139	Research on multi-objective coordinated control strategy of UPFC. , 2014, , .		2
140	Online optimal power control of offshore oil-platform power systems based on interior point and fast branch-bound methods. , 2015, , .		2
141	Investigating the influence of types and parameters of excitation systems on the dynamic reactive power reserve of synchronous generators. , 2015, , .		2
142	Voltage-sag-severity-index based size planning of shunt capacitor banks to improve short-term voltage stability. , 2015, , .		2
143	Damping DFIG-associated SSR by adding subsynchronous suppression filters to DFIG converter controllers. , 2016, , .		2
144	Research on calculation method of renewable energy accommodation capacity based on probabilistic production simulation. , 2018, , .		2

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145	The impedance modelling of mmc for oscillation analysis considering control dynamics and delays. , 2019, , .		2
146	Impedance Model of MMC With CCSC and Sampling Delays. , 2019, , .		2
147	Power information systems security: modeling and quantitative evaluation. , 0, , .		1
148	Generating Detailed Software Models of Microprocessor-Based Relays. , 2006, , .		1
149	Principal hankel component algorithm (PHCA) for power system identification. , 2009, , .		1
150	A STATCOM control strategy in support of direct on line starting of large induction motor in offshore oilfield power systems. , 2012, , .		1
151	A mechanism study of SSR for multiple DFIG wind generators connected to a series-compensated power system. , 2014, , .		1
152	Improving AGC performance of a coal-fueled generators with MW-level BESS. , 2016, , .		1
153	Coordinated Design of Supplementary Excitation Damping Controller and Voltage-sourced Converter Based Generator Terminal Subsynchronous Damping Controller for Subsynchronous Resonance Suppression: A Case Study. Electric Power Components and Systems, 2016, 44, 565-577.	1.8	1
154	A universal arm-averaged model for accelerated EMT simulation of MMCs based on various submodule circuits. , 2017, , .		1
155	Demand for Energy Storage: Case Studies for Chinese Power System in 2035 and 2050. , 2019, , .		1
156	Extracting Time-Varying Subsynchronous Oscillation in Wind Power Systems Through Kalman Filtering. , 2019, , .		1
157	Shunt VSC Based Subsynchronous Damping Control for DFIG-based Wind Farms Connected to an MMC-HVDC System. , 2020, , .		1
158	Model study of transient stability calculation in power systems. , 0, , .		0
159	State self-adaptive monitor and control system for 6 kV/1600 kVA adjustable-speed drive. , 0, , .		0
160	Implement of On-line Transient Stability Control Pre-decision in Wide-Area Measurement System in Jiangsu Power Network. , 0, , .		0
161	Online evaluation method of power system stabilizer based on Wide Area Measurement System. , 2011, , .		0
162	An integrated high side var/voltage control for improvement of transient voltage stability. , 2014, , .		0

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163	A wide-area var-voltage control method for generators to improve short-term voltage stability. , 2015, , .		0
164	The characteristics of SSTI between practical MMC-based VSC-HVDC and an adjacent turbogenerator. , 2016, , .		0
165	A novel dynamic phasor based interface models for hybrid simulations of EMT and transient stability models. , 2017, , .		0
166	Quantifying the Performance of Pumped Hydro Storage in Supporting Renewable Integrated Power System. , 2019, , .		0
167	Investigating the transient torque of turbo-generators in a power system integrating wind farms. , 2019, , .		0
168	Novel Subsynchronous Resonance Mitigation Scheme by Stator Side Converter in DFIG. , 2019, , .		0
169	The harmonic characteristics analysis of offshore wind farms transmitted by the submarine cable based on time domain simulation. Journal of Physics: Conference Series, 2021, 1871, 012009.	0.4	0
170	An Improved WAMS Framework for Multi-modal Oscillation Detection in a Power Electronics Dominated Power System. , 2021, , .		0
171	A State Estimate Algorithm Based on Current Measurement for Offshore Oil Grid. Lecture Notes in Electrical Engineering, 2014, , 343-352.	0.4	0
172	Spatial-temporal characteristics analysis of frequency oscillation in renewable integrated power grids. , 2019, , .		0
173	Guest editorial: Special issue on dynamic modeling, analysis and control of power systems with high-penetration of power electronics. International Journal of Electrical Power and Energy Systems, 2022, 140, 108080.	5.5	0