Zheng Xu

List of Publications by Year in descending order

197 papers	5,834 citations	159585 30 h-index	85541 71 g-index
197 all docs	197 docs citations	197 times ranked	3019 citing authors

#	Article	IF	Citations
1	Reduced Switching-Frequency Modulation and Circulating Current Suppression for Modular Multilevel Converters. IEEE Transactions on Power Delivery, 2011, 26, 2009-2017.	4.3	1,202
2	Modeling and Control of a Modular Multilevel Converter-Based HVDC System Under Unbalanced Grid Conditions. IEEE Transactions on Power Electronics, 2012, 27, 4858-4867.	7.9	538
3	Impact of Sampling Frequency on Harmonic Distortion for Modular Multilevel Converter. IEEE Transactions on Power Delivery, 2011, 26, 298-306.	4.3	443
4	Suppressing DC Voltage Ripples of MMC-HVDC Under Unbalanced Grid Conditions. IEEE Transactions on Power Delivery, 2012, 27, 1332-1338.	4.3	265
5	Assembly HVDC Breaker for HVDC Grids With Modular Multilevel Converters. IEEE Transactions on Power Electronics, 2017, 32, 931-941.	7.9	218
6	Electromechanical Transient Modeling of Modular Multilevel Converter Based Multi-Terminal HVDC Systems. IEEE Transactions on Power Systems, 2014, 29, 72-83.	6.5	146
7	Impacts of Three MMC-HVDC Configurations on AC System Stability Under DC Line Faults. IEEE Transactions on Power Systems, 2014, 29, 3030-3040.	6.5	140
8	On the Bipolar MMC-HVDC Topology Suitable for Bulk Power Overhead Line Transmission: Configuration, Control, and DC Fault Analysis. IEEE Transactions on Power Delivery, 2014, 29, 2420-2429.	4.3	116
9	Circulating current suppressing controller in modular multilevel converter. , 2010, , .		108
10	Modulation and Control for a New Hybrid Cascaded Multilevel Converter With DC Blocking Capability. IEEE Transactions on Power Delivery, 2012, 27, 2227-2237.	4.3	105
11	Control and modulation strategies for modular multilevel converter based HVDC system. , 2011, , .		101
12	Self-Start Control With Grouping Sequentially Precharge for the C-MMC-Based HVDC System. IEEE Transactions on Power Delivery, 2014, 29, 187-198.	4.3	96
13	Optimized Control Strategy Based on Dynamic Redundancy for the Modular Multilevel Converter. IEEE Transactions on Power Electronics, 2015, 30, 339-348.	7.9	93
14	Coordinated control of wind farm and VSCâ€“HVDC system using capacitor energy and kinetic energy to improve inertia level of power systems. International Journal of Electrical Power and Energy Systems, 2014, 59, 79-92.	5.5	85
15	A LCC and MMC hybrid HVDC topology with DC line fault clearance capability. International Journal of Electrical Power and Energy Systems, 2014, 62, 419-428.	5.5	84
16	Power losses evaluation for modular multilevel converter with junction temperature feedback. , 2011, , .		67
17	Valve Losses Evaluation Based on Piecewise Analytical Method for MMCâ€“HVDC Links. IEEE Transactions on Power Delivery, 2014, 29, 1354-1362.	4.3	67
18	Selection methods of main circuit parameters for modular multilevel converters. IET Renewable Power Generation, 2016, 10, 788-797.	3.1	66

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19	Sliding Mode Robust Control Based Active-Power Modulation of Multi-Terminal HVDC Transmissions. IEEE Transactions on Power Systems, 2016, 31, 1614-1623.	6.5	66
20	Optimized Power Redistribution of Offshore Wind Farms Integrated VSC-MTDC Transmissions After Onshore Converter Outage. IEEE Transactions on Industrial Electronics, 2017, 64, 8948-8958.	7.9	65
21	Improving Performance of Multi-Infeed HVDC Systems Using Grid Dynamic Segmentation Technique Based on Fault Current Limiters. IEEE Transactions on Power Systems, 2012, 27, 1664-1672.	6.5	60
22	Evaluation and Enhancement of Control Strategies for VSC Stations Under Weak Grid Strengths. IEEE Transactions on Power Systems, 2018, 33, 1836-1847.	6.5	57
23	A novel SVC supplementary controller based on wide area signals. Electric Power Systems Research, 2007, 77, 1569-1574.	3.6	56
24	Improved Analytical Model for the Study of Steady State Performance of Droop-Controlled VSC-MTDC Systems. IEEE Transactions on Power Systems, 2017, 32, 2083-2093.	6.5	53
25	Hybrid highâ€voltage direct current topology with line commutated converter and modular multilevel converter in series connection suitable for bulk power overhead line transmission. IET Power Electronics, 2016, 9, 2307-2317.	2.1	49
26	Impact of Grid Impedance on LVRT Performance of DFIG System With Rotor Crowbar Technology. IEEE Access, 2019, 7, 127999-128008.	4.2	47
27	Shortâ€circuit current calculation and performance requirement of HVDC breakers for MMCâ€MTDC systems. IEEJ Transactions on Electrical and Electronic Engineering, 2016, 11, 168-177.	1.4	46
28	Analysis of inter-area oscillations in the South China Interconnected Power System. Electric Power Systems Research, 2004, 70, 38-45.	3.6	40
29	Mechanism analysis and suppression method of ultra-low-frequency oscillations caused by hydropower units. International Journal of Electrical Power and Energy Systems, 2018, 103, 102-114.	5.5	39
30	DC Fault Analysis and Clearance Solutions of MMC-HVDC Systems. Energies, 2018, 11, 941.	3.1	38
31	Debates on ultraâ€highâ€voltage synchronous power grid: the future super grid in China?. IET Generation, Transmission and Distribution, 2015, 9, 740-747.	2.5	37
32	Detection and Discrimination of Incipient Stator Faults for Inverter-Fed Permanent Magnet Synchronous Machines. IEEE Transactions on Industrial Electronics, 2021, 68, 7505-7515.	7.9	34
33	Steady-state model for VSC based HVDC and its controller design. , 0, , .		33
34	Complete mathematical model derivation for modular multilevel converter based on successive approximation approach. IET Power Electronics, 2015, 8, 2396-2410.	2.1	32
35	Optimal DC-Segmentation for Multi-Infeed HVDC Systems Based on Stability Performance. IEEE Transactions on Power Systems, 2016, 31, 2445-2454.	6.5	30
36	Operating area for modular multilevel converter based highâ€voltage direct current systems. IET Renewable Power Generation, 2016, 10, 776-787.	3.1	29

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37	Low voltage and high voltage rideâ€through technologies for doubly fed induction generator system: Comprehensive review and future trends. IET Renewable Power Generation, 2021, 15, 614-630.	3.1	27
38	DRU Based Low Frequency AC Transmission Scheme for Offshore Wind Farm Integration. IEEE Transactions on Sustainable Energy, 2021, 12, 1512-1524.	8.8	25
39	Dynamic characteristic analysis of power system interarea oscillations using HHT. International Journal of Electrical Power and Energy Systems, 2010, 32, 1085-1090.	5.5	24
40	Components Sharing Based Integrated HVDC Circuit Breaker for Meshed HVDC Grids. IEEE Transactions on Power Delivery, 2020, 35, 1856-1866.	4.3	24
41	A Tripole HVDC System Based on Modular Multilevel Converters. IEEE Transactions on Power Delivery, 2014, 29, 1683-1691.	4.3	23
42	UPFCâ€based line overload control for power system security enhancement. IET Generation, Transmission and Distribution, 2017, 11, 3310-3317.	2.5	23
43	A Novel Circulating Current Controller for MMC Capacitor Voltage Fluctuation Suppression. IEEE Access, 2019, 7, 120141-120151.	4.2	23
44	A novel SVC supplementary controller based on wide area signals. , 2006, , .		21
45	A supplementary damping controller of TCSC for mitigating SSR. , 2009, , .		20
46	Study on commutation failure of multi-infeed HVDC system. , 0, , .		19
47	HVDC supplementary controller based on synchronized phasor measurement units. , 0, , .		19
48	Theoretical analysis of the harmonic characteristics of modular multilevel converters. Science China Technological Sciences, 2013, 56, 2762-2770.	4.0	19
49	Wideâ€area measurement systemâ€based transient excitation boosting control to improve power system transient stability. IET Generation, Transmission and Distribution, 2015, 9, 845-854.	2.5	19
50	A modular multilevel power flow controller for meshed HVDC grids. Science China Technological Sciences, 2014, 57, 1773-1784.	4.0	18
51	A novel concept of offshore wind-power collection and transmission system based on cascaded converter topology. International Transactions on Electrical Energy Systems, 2014, 24, 363-377.	1.9	18
52	Supply passive networks with VSC-HVDC. , 2001, , .		17
53	WAMS based robust HVDC control considering model imprecision for AC/DC power systems using sliding mode control. Electric Power Systems Research, 2013, 95, 38-46.	3.6	17
54	Calculating current and temperature fields of HVDC grounding electrodes. Journal of Modern Power Systems and Clean Energy, 2016, 4, 300-307.	5.4	16

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55	Electro-mechanical transient modeling of MMC based multi-terminal HVDC system with DC faults considered. International Journal of Electrical Power and Energy Systems, 2019, 113, 1002-1013.	5.5	16
56	Mode shape estimation and mode checking for IAO using correlation analysis technique. Electric Power Systems Research, 2011, 81, 1181-1187.	3.6	14
57	Dynamic reduction of large-scale AC/DC power systems via retaining the trunk network. International Journal of Electrical Power and Energy Systems, 2012, 43, 1332-1339.	5.5	14
58	Security-constrained line loss minimization in distribution systems with high penetration of renewable energy using UPFC. Journal of Modern Power Systems and Clean Energy, 2017, 5, 876-886.	5.4	14
59	An Equivalent Calculation Method for Pole-to-Ground Fault Transient Characteristics of Symmetrical Monopolar MMC Based DC Grid. IEEE Access, 2020, 8, 123952-123965.	4.2	14
60	Medium frequency diode rectifier unit based HVDC transmission for offshore wind farm integration. IET Renewable Power Generation, 2021, 15, 717-730.	3.1	14
61	Modular Multilevel Converter With Embedded Energy Storage for Bidirectional Fault Isolation. IEEE Transactions on Power Delivery, 2022, 37, 105-115.	4.3	14
62	Estimation of interarea modes in large power systems. International Journal of Electrical Power and Energy Systems, 2013, 53, 196-208.	5.5	13
63	Study on the Method for Analyzing Electric Network Resonance Stability. Energies, 2018, 11, 646.	3.1	13
64	Electromechanical Transient Modeling of Line Commutated Converter-Modular Multilevel Converter-Based Hybrid Multi-Terminal High Voltage Direct Current Transmission Systems. Energies, 2018, 11, 2102.	3.1	13
65	Design method for strengthening high-proportion renewable energy regional power grid using VSC-HVDC technology. Electric Power Systems Research, 2020, 180, 106160.	3.6	13
66	Selection of optimal access point for offshore wind farm based on multi-objective decision making. International Journal of Electrical Power and Energy Systems, 2018, 103, 43-49.	5.5	12
67	Fault response comparison of LCCâ€“MMC hybrid topologies and conventional HVDC topology. Journal of Engineering, 2019, 2019, 2068-2073.	1.1	12
68	Damping analysis of subsynchronous oscillation caused by HVDC. , 0, , .		11
69	Nonlinear control for VSC based HVDC system. , 2006, , .		11
70	Analysis of DC voltage ripples in modular multilevel converters. , 2010, , .		11
71	New findings on bypass damping filter in increasing subsynchronous resonance damping of series compensated system. IET Generation, Transmission and Distribution, 2015, 9, 1718-1726.	2.5	11
72	Application of bypass damping filter in suppressing subsynchronous resonance of multi-generator series-compensated systems. Electric Power Systems Research, 2019, 168, 117-126.	3.6	11

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73	Hybrid Modular Multilevel Converter With Self-Balancing Structure. IEEE Transactions on Industry Applications, 2021, 57, 5039-5051.	4.9	11
74	A new real-time negative and positive sequence components detecting method based on space vector. , 0, , .		10
75	A control strategy for three-level VSC-HVDC system. , 0, , .		10
76	Study of protection strategy for VSC based HVDC system. , 0, , .		10
77	Effect of Exciter and PSS on SSR Damping. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	10
78	Numerical harmonic modeling of long coupled transmission lines using matrix series theory and recursive approach. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2013, 26, 225-237.	1.9	10
79	Application of Unified Power Flow Controller (UPFC) in Jiangsu power system. , 2017, , .		10
80	Realization of fault ride through for doubly fed induction generator system with cascade converter. International Transactions on Electrical Energy Systems, 2021, 31, e12792.	1.9	10
81	Decentralized Game-Based Robustly Planning Scheme for Distribution Network and Microgrids Considering Bilateral Energy Trading. IEEE Transactions on Sustainable Energy, 2022, 13, 803-817.	8.8	10
82	The harmonic model and its algorithm for coupled multiphase transmission line. , 0, , .		9
83	Impacts of transmission congestion on market power in electricity market. , 0, , .		9
84	Influence Mechanism and Suppression Control of the MMC on Short-Circuit Current Under AC Faults. IEEE Access, 2020, 8, 138307-138317.	4.2	9
85	A practical analysis method of low frequency oscillation for large power systems. , 0, , .		8
86	Transient stability analysis of Shanghai Power Grid with multiple HVDC links. , 2010, , .		8
87	Reduction and modelling method of largeâ€scale alternating current/direct current power systems for electromagnetic transient simulation. IET Generation, Transmission and Distribution, 2014, 8, 1667-1676.	2.5	8
88	Application of 500ÂkV UPFC in Suzhou southern power grid. Journal of Engineering, 2019, 2019, 2580-2584.	1.1	8
89	Active damping of resonances in DFIG system with cascade converter under weak grid. International Transactions on Electrical Energy Systems, 2019, 29, e12118.	1.9	8
90	Modeling and Analysis for Global and Local Power Flow Operation Rules of UPFC Embedded System Under Typical Operation Conditions. IEEE Access, 2020, 8, 21728-21741.	4.2	8

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91	EHV/UHV AC transmission capability analysis. , 0, , .		7
92	Adaptive Detecting Method for Fundamental Positive Sequence, Negative Sequence Components and Harmonic Component Based on Space Vector. , 0, , .		7
93	An approach to select PI parameters of HVDC controllers. , 2006, , .		7
94	Increasing the SSO Damping Effectiveness of IMDU by Raising Its Operating Frequency and Optimizing Its Parameters. IEEE Transactions on Power Systems, 2013, 28, 3134-3144.	6.5	7
95	Implementation of a novel unified power flow controller into Newton-Raphson load flow. , 2017, , .		7
96	A Non-Uniform Transmission Line Model of the Â±1100 kV UHV Tower. Energies, 2019, 12, 445.	3.1	7
97	Smallâ€signal model of vector currentâ€controlled MMCâ€UPFC. IET Generation, Transmission and Distribution, 2019, 13, 4180-4189.	2.5	7
98	Resonance Stability Analysis of Large-Scale Wind Power Bases with Type-IV Wind Generators. Energies, 2020, 13, 5220.	3.1	7
99	Winding Condition Monitoring for Inverter-Fed PMSM Using High-Frequency Current Injection. IEEE Transactions on Industry Applications, 2021, 57, 5818-5828.	4.9	7
100	Hybrid HVDC circuit breakers with an energy absorption branch of a parallel arrester structure. High Voltage, 2022, 7, 197-207.	4.7	7
101	The controllable impedance range of TCSC and its TCR reactance constraints. , 2001, , .		6
102	Excitation system parameter setting for power system planning. , 0, , .		6
103	Coordination and optimization of small signal modulators in multi-infeed HVDC systems. , 0, , .		6
104	SSR damping study on a generator connected to TCSC. , 0, , .		6
105	Installation, system-level control strategy and commissioning of the Nanjing UPFC project. , 2017, , .		6
106	Minimum Short Circuit Ratio Requirement for MMC-HVDC Systems Based on Small-Signal Stability Analysis. Energies, 2019, 12, 3283.	3.1	6
107	Two basic ways to realise DC circuit breakers. Journal of Engineering, 2019, 2019, 3098-3105.	1.1	6
108	Comparative study on DC line fault transient characteristics of four typical MMC-HVDC configurations. , 2019, , .		6

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109	Enhanced Ride-Through Capability Under Rectifier-Side AC Fault for Series LCC-MMC Hybrid HVDC System. IEEE Access, 2021, 9, 153050-153057.	4.2	6
110	Analysis of rat electroencephalogram under slow wave sleep using wavelet transform. , 0, , .		5
111	Study on the pure DC transmission scheme for China's future power transmission from the West to the East. , 0, , .		5
112	DC harmonic current calculation for HVDC systems based on the classical transmission line model. , 2010, , .		5
113	Shut-down control with energy feedback and energy dissipation for MMC-HVDC systems. International Transactions on Electrical Energy Systems, 2016, 26, 864-883.	1.9	5
114	Comparison of DC fault handling strategies for hybrid HVDC system. , 2017, , .		5
115	Improvement of HVDC commutation failure response based on compound phaseâ€shifting control. Journal of Engineering, 2017, 2017, 1473-1477.	1.1	5
116	Electromechanical Transient Modeling and Control Strategy of Decentralized Hybrid HVDC Systems. Energies, 2019, 12, 2856.	3.1	5
117	Comprehensive Power Flow Analyses and Novel Feedforward Coordination Control Strategy for MMC-Based UPFC. Energies, 2019, 12, 824.	3.1	5
118	Control Strategy of Hybrid HVDC System Based on LCC and Hybrid MMC. , 2019, , .		5
119	Analysis of Unified Power Flow Controller Steady-State Power Flow Regulation Capability and Its Key Factors. Energies, 2020, 13, 4419.	3.1	5
120	Power Flow Calculation Methods for Power Systems with Novel Structure UPFC. Applied Sciences (Switzerland), 2020, 10, 5121.	2.5	5
121	Power Stability Analysis and Evaluation Criteria of Dual-Infeed HVDC with LCC-HVDC and VSC-HVDC. Applied Sciences (Switzerland), 2021, 11, 5847.	2.5	5
122	Analysis and assessment standards of power stability of multiâ€send HVDC systems. Journal of Engineering, 2019, 2019, 748-753.	1.1	5
123	Design of Main Circuit Parameters for Modular Multilevel Matrix Converter in LFAC System. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 3864-3868.	3.0	5
124	Three Technical Challenges Faced by Power Systems in Transition. Energies, 2022, 15, 4473.	3.1	5
125	Per unit model of UPFC and its optimal control. , 0, , .		4
126	Modeling and control of extended multiterminal high voltage direct current systems with three-wire bipole structure. International Transactions on Electrical Energy Systems, 2015, 25, 2036-2057.	1.9	4

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127	Impacts of three MMC-HVDC configurations on AC system stability under DC line faults. , 2015, , .		4
128	Infeasibility Analysis of Half-Wavelength Transmission Systems. Energies, 2018, 11, 1790.	3.1	4
129	Feasibility study of DC circuit breaker-less MTDC systems. International Transactions on Electrical Energy Systems, 2019, 29, e2679.	1.9	4
130	Enhanced Efficient EMT-Type Model of the MMCs Based on Arm Equivalence. Applied Sciences (Switzerland), 2020, 10, 8421.	2.5	4
131	A Local Protection and Local Action Strategy of DC Grid Fault Protection. Energies, 2020, 13, 4795.	3.1	4
132	Hybrid Modular Multilevel Converter with Self-Balancing Structure. , 2020, , .		4
133	Research for congestion due to voltage security requirements. , 0, , .		3
134	Coordinate damping control of HVDC and SVC based on wide area signal. , 2006, , .		3
135	A new control strategy with fault rideâ€through capability for VSCâ€based offshore high power oil pump motor power supply system. IEEJ Transactions on Electrical and Electronic Engineering, 2016, 11, 655-664.	1.4	3
136	Three macroscopic indices for describing the quality of AC/DC power grid structures. IET Generation, Transmission and Distribution, 2016, 10, 175-182.	2.5	3
137	Control strategy for multi-infeed MMC-based HVDC system connected to weak grid. , 2017, , .		3
138	SSO suppression method and effectiveness of STATCOM in an identical multiâ€machine system. Journal of Engineering, 2017, 2017, 1483-1487.	1.1	3
139	The harmonic characteristics of HVDC system under AC voltage distortion. , 0, , .		2
140	The harmonic characteristics of multiple fundamental frequency HVDC systems. , 0, , .		2
141	A co-ordinated recovery strategy of multi-infeed HVDC systems. , 0, , .		2
142	Study on the DC transmission scheme of Xiluodu and Xiangjiaba Hydropower Stations. , 0, , .		2
143	HVDC system DC loop resonance analysis based on time domain simulation. , 2010, , .		2
144	Inverter location analysis for multi-infeed HVDC systems. , 2010, , .		2

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145	Voltage sensitivity analysis based bus voltage regulation in transmission systems with UPFC series converter. , 2017, , .		2
146	AC- and DC-Side Perturbation Analysis of Modular Multilevel Converter Based on Frequency Components Balance. , 2018, , .		2
147	DC Side Main Circuit Parameter Selection of MMC-MTDC Systems with HVDC CBs and SFCLs. , 2018, , .		2
148	Study on the resonance stability problem of the wind power base with the MMCâ€“HVDC system. Journal of Engineering, 2019, 2019, 1126-1132.	1.1	2
149	Sub- And Super-Synchronous Oscillation Analysis of Hami Renewable Energy Bases in Xinjiang Power Grid. , 2019, , .		2
150	Disturbance-State Modeling and Oscillation Analysis of Modular Multilevel Converters under P/Q Control Mode. Energies, 2020, 13, 1424.	3.1	2
151	Regulation Principles of Power Flow Gradients to Multiple Characteristic Independent Variables in UPFC Embedded Power System. Applied Sciences (Switzerland), 2020, 10, 1720.	2.5	2
152	Design and DC fault clearance of modified hybrid MMC with low proportion of fullâ€bridge submodules. IET Generation, Transmission and Distribution, 2021, 15, 2203-2214.	2.5	2
153	Analysis on Response Characteristics of Two-Level VSC to Disturbances and Its Oscillation Suppression Strategy. Journal of Electrical Engineering and Technology, 2021, 16, 1389-1401.	2.0	2
154	Miniaturization of an Offshore Platform with Medium-Frequency Offshore Wind Farm and MMC-HVDC Technology. Energies, 2021, 14, 2058.	3.1	2
155	Feasibility Evaluation on Elimination of DC Filters for Line-Commutated Converter-Based High-Voltage Direct Current Projects in New Situations. Energies, 2021, 14, 5770.	3.1	2
156	Extended control strategies of voltage source converter stations linked to converter dominated systems. Journal of Engineering, 2019, 2019, 1947-1951.	1.1	2
157	Frequency deviation peak calculation of sendingâ€end network in large asynchronous interconnected power grid. Journal of Engineering, 2019, 2019, 905-909.	1.1	2
158	Modular Combined DC-DC Autotransformer for Offshore Wind Power Integration with DC Collection. Applied Sciences (Switzerland), 2022, 12, 1810.	2.5	2
159	Adaptive sequential reclosing strategy for hybrid HVDC circuit breakers in MMCâ€based DC grids. High Voltage, 2022, 7, 890-902.	4.7	2
160	Active power decoupling method for single-phase PWM converters without LC branch sensors. Journal of Power Electronics, 2022, 22, 1188-1198.	1.5	2
161	An emergency power modulation strategy for multi-infeed HVDC systems. , 0, , .		1
162	Analysis of bidding-strategy for leadership-company in power market. , 0, , .		1

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163	A combined control scheme to mitigate SSR for steady state and transient state of power systems. , 2010, , .		1
164	Mode shape estimation and mode identification for inter-area oscillations utilizing correlation analysis techniques. , 2010, , .		1
165	A SIPSS-Lasso-BPNN scheme for online voltage stability assessment. , 2014, , .		1
166	Analysis of coupling effect on LCC-MCC hybrid HVDC from parallel AC lines in close proximity. , 2015, , .		1
167	Critical receiving power ratio of the receiving system in asynchronously connected power systems based on voltage response analysis. IET Generation, Transmission and Distribution, 2016, 10, 1869-1876.	2.5	1
168	Harmonic Characteristics and Influence Factors of Output Voltage in Modular Multilevel Converters. , 2018, , .		1
169	Capacitor Voltage Balancing Algorithm Using Voltage Fluctuation Threshold for Modular Multilevel Converters. , 2018, , .		1
170	Study on Transient Stability Constrained Optimal Power Flow Model of VSC-MTDC Transmission System Based on Phase Trajectory Concavity-convexity. , 2019, , .		1
171	Analysis of highâ€frequency interference characteristics of UHVDC converters. Journal of Engineering, 2019, 2019, 1937-1941.	1.1	1
172	The strength indexes of the islanded LCCâ€HVDC sending power system. International Transactions on Electrical Energy Systems, 2019, 29, e2788.	1.9	1
173	Parameters tuning and coordination control of the frequency limit controller. Journal of Engineering, 2019, 2019, 2102-2105.	1.1	1
174	Research on transmission line model based on phaseâ€mode transformation in HVDC system. IEEJ Transactions on Electrical and Electronic Engineering, 2020, 15, 51-60.	1.4	1
175	Operation and Evaluation of Wind Power Generation System with Constant Frequency Double Rotor Generator. , 2020, , .		1
176	Analysis and Design of Damping Circuit Parameters for LCC Valves Based on Broadband Model. Energies, 2020, 13, 1059.	3.1	1
177	Research on Applicability of the Practical Transient Voltage Stability Criterion Based on Voltage Magnitude and Sag Duration. Applied Sciences (Switzerland), 2021, 11, 4569.	2.5	1
178	Joint primary frequency regulation strategy for asynchronous power grids connected by a VSCâ€MTDC system. IET Renewable Power Generation, 2021, 15, 3588-3600.	3.1	1
179	Research on dc infeed ratio of receiving grids with renewable energy under frequency stability constraint. Journal of Engineering, 2017, 2017, 2088-2092.	1.1	1
180	A Decentralized Robust planning Approach For Smart Buildings Considering Bilateral Transactions With Fair Market Clearing Strategy. , 2020, , .		1

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181	Winding condition monitoring for inverter-fed PMSM using high-frequency current injection. , 2020, , .		1
182	Wide-area measurement based nonlinear control of a parallel AC/DC power system. , 2012, , .		0
183	Increasing the SSO damping effectiveness of IMDU by raising its operating frequency and optimizing its parameters. , 2013, , .		0
184	Valve losses evaluation based on piecewise analytical method for MMC-HVDC links. , 2015, , .		0
185	Optimized modulation method for the modular multilevel converter with redundant sub-modules under arm-asymmetric operating conditions. , 2016, , .		0
186	Improved modulation method of modular multilevel converter. Journal of Engineering, 2017, 2017, 2544-2548.	1.1	0
187	An efficient modeling method for EMT analysis of large scale AC/DC power systems. , 2017, , .		0
188	Network frame optimization method for defending multi-DC commutation failure. , 2019, , .		0
189	Improved High-frequency Model of the Converter Transformer in UHVDC System. , 2019, , .		0
190	Study on Radio Interference of Â±1100 kV Converter Station. , 2019, , .		0
191	A dynamic equivalent aggregation method of wind turbine systems with a fullâ€scale power converter for electromagnetic transient simulations. IET Renewable Power Generation, 0, , .	3.1	0
192	Influence factors Analysis of transient power angle instability caused by commutation failures. , 2021, , .		0
193	Electromechanical transient modelling and application of modular multilevel converter with embedded energy storage. IET Generation, Transmission and Distribution, 2022, 16, 123-136.	2.5	0
194	Determination of operating conditions of LCC for PCOV calculation based on detailed analysis of commutation overshoot. IET Generation, Transmission and Distribution, 2020, 14, 1566-1574.	2.5	0
195	Influence of Control and Protection Characteristics on Insulation Coordination of MMC-HVDC System. , 2021, , .		0
196	Research on Effect and Prioritization of the Reformation from LCC-HVDC to VSC-HVDC. , 2021, , .		0
197	Analysis of AC Fault Ride-through Characteristics of the Baihetan-Jiangsu Hybrid Cascaded UHVDC System. , 2021, , .		0