

Zheng Xu

List of Publications by Year in descending order

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197
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5,834
citations

159585
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197
all docs

197
docs citations

197
times ranked

3019
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybrid HVDC circuit breakers with an energy absorption branch of a parallel arrester structure. High Voltage, 2022, 7, 197-207.	4.7	7
2	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
3	Modular Multilevel Converter With Embedded Energy Storage for Bidirectional Fault Isolation. IEEE Transactions on Power Delivery, 2022, 37, 105-115.	4.3	14
4	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
5	Modular Combined DC-DC Autotransformer for Offshore Wind Power Integration with DC Collection. Applied Sciences (Switzerland), 2022, 12, 1810.	2.5	2
6	Adaptive sequential reclosing strategy for hybrid HVDC circuit breakers in MMC-based DC grids. High Voltage, 2022, 7, 890-902.	4.7	2
7	Active power decoupling method for single-phase PWM converters without LC branch sensors. Journal of Power Electronics, 2022, 22, 1188-1198.	1.5	2
8	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
9	Three Technical Challenges Faced by Power Systems in Transition. Energies, 2022, 15, 4473.	3.1	5
10	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
11	Low voltage and high voltage ride-through technologies for doubly fed induction generator system: Comprehensive review and future trends. IET Renewable Power Generation, 2021, 15, 614-630.	3.1	27
12	Winding Condition Monitoring for Inverter-Fed PMSM Using High-Frequency Current Injection. IEEE Transactions on Industry Applications, 2021, 57, 5818-5828.	4.9	7
13	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
14	Medium frequency diode rectifier unit based HVDC transmission for offshore wind farm integration. IET Renewable Power Generation, 2021, 15, 717-730.	3.1	14
15	Design and DC fault clearance of modified hybrid MMC with low proportion of full-bridge submodules. IET Generation, Transmission and Distribution, 2021, 15, 2203-2214.	2.5	2
16	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
17	Miniaturization of an Offshore Platform with Medium-Frequency Offshore Wind Farm and MMC-HVDC Technology. Energies, 2021, 14, 2058.	3.1	2
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Joint primary frequency regulation strategy for asynchronous power grids connected by a VSC-HVDC system. IET Renewable Power Generation, 2021, 15, 3588-3600.	3.1	1
21	DRU Based Low Frequency AC Transmission Scheme for Offshore Wind Farm Integration. IEEE Transactions on Sustainable Energy, 2021, 12, 1512-1524.	8.8	25
22	Influence factors Analysis of transient power angle instability caused by commutation failures. , 2021, , .		0
23	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
24	Hybrid Modular Multilevel Converter With Self-Balancing Structure. IEEE Transactions on Industry Applications, 2021, 57, 5039-5051.	4.9	11
25	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
26	Influence of Control and Protection Characteristics on Insulation Coordination of MMC-HVDC System. , 2021, , .		0
27	Research on Effect and Prioritization of the Reformation from LCC-HVDC to VSC-HVDC. , 2021, , .		0
28	Analysis of AC Fault Ride-through Characteristics of the Baihetan-Jiangsu Hybrid Cascaded UHVDC System. , 2021, , .		0
29	Components Sharing Based Integrated HVDC Circuit Breaker for Meshed HVDC Grids. IEEE Transactions on Power Delivery, 2020, 35, 1856-1866.	4.3	24
30	Research on transmission line model based on phase-to-ground mode transformation in HVDC system. IEEE Transactions on Electrical and Electronic Engineering, 2020, 15, 51-60.	1.4	1
31	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
32	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
33	Enhanced Efficient EMT-Type Model of the MMCs Based on Arm Equivalence. Applied Sciences (Switzerland), 2020, 10, 8421.	2.5	4
34	Influence Mechanism and Suppression Control of the MMC on Short-Circuit Current Under AC Faults. IEEE Access, 2020, 8, 138307-138317.	4.2	9
35	Analysis of Unified Power Flow Controller Steady-State Power Flow Regulation Capability and Its Key Factors. Energies, 2020, 13, 4419.	3.1	5
36	Power Flow Calculation Methods for Power Systems with Novel Structure UPFC. Applied Sciences (Switzerland), 2020, 10, 5121.	2.5	5

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37	Disturbance-State Modeling and Oscillation Analysis of Modular Multilevel Converters under P/Q Control Mode. <i>Energies</i> , 2020, 13, 1424.	3.1	2
38	Resonance Stability Analysis of Large-Scale Wind Power Bases with Type-IV Wind Generators. <i>Energies</i> , 2020, 13, 5220.	3.1	7
39	A Local Protection and Local Action Strategy of DC Grid Fault Protection. <i>Energies</i> , 2020, 13, 4795.	3.1	4
40	Operation and Evaluation of Wind Power Generation System with Constant Frequency Double Rotor Generator. , 2020, , .		1
41	Regulation Principles of Power Flow Gradients to Multiple Characteristic Independent Variables in UPFC Embedded Power System. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1720.	2.5	2
42	Analysis and Design of Damping Circuit Parameters for LCC Valves Based on Broadband Model. <i>Energies</i> , 2020, 13, 1059.	3.1	1
43	Modeling and Analysis for Global and Local Power Flow Operation Rules of UPFC Embedded System Under Typical Operation Conditions. <i>IEEE Access</i> , 2020, 8, 21728-21741.	4.2	8
44	Hybrid Modular Multilevel Converter with Self-Balancing Structure. , 2020, , .		4
45	Determination of operating conditions of LCC for PCOV calculation based on detailed analysis of commutation overshoot. <i>IET Generation, Transmission and Distribution</i> , 2020, 14, 1566-1574.	2.5	0
46	A Decentralized Robust planning Approach For Smart Buildings Considering Bilateral Transactions With Fair Market Clearing Strategy. , 2020, , .		1
47	Winding condition monitoring for inverter-fed PMSM using high-frequency current injection. , 2020, , .		1
48	Electro-mechanical transient modeling of MMC based multi-terminal HVDC system with DC faults considered. <i>International Journal of Electrical Power and Energy Systems</i> , 2019, 113, 1002-1013.	5.5	16
49	Application of 500ÂkV UPFC in Suzhou southern power grid. <i>Journal of Engineering</i> , 2019, 2019, 2580-2584.	1.1	8
50	Active damping of resonances in DFIG system with cascade converter under weak grid. <i>International Transactions on Electrical Energy Systems</i> , 2019, 29, e12118.	1.9	8
51	Electromechanical Transient Modeling and Control Strategy of Decentralized Hybrid HVDC Systems. <i>Energies</i> , 2019, 12, 2856.	3.1	5
52	Minimum Short Circuit Ratio Requirement for MMC-HVDC Systems Based on Small-Signal Stability Analysis. <i>Energies</i> , 2019, 12, 3283.	3.1	6
53	A Novel Circulating Current Controller for MMC Capacitor Voltage Fluctuation Suppression. <i>IEEE Access</i> , 2019, 7, 120141-120151.	4.2	23
54	Impact of Grid Impedance on LVRT Performance of DFIG System With Rotor Crowbar Technology. <i>IEEE Access</i> , 2019, 7, 127999-128008.	4.2	47

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55	Two basic ways to realise DC circuit breakers. Journal of Engineering, 2019, 2019, 3098-3105.	1.1	6
56	Fault response comparison of LCC-HVDC hybrid topologies and conventional HVDC topology. Journal of Engineering, 2019, 2019, 2068-2073.	1.1	12
57	Study on the resonance stability problem of the wind power base with the MMC-HVDC system. Journal of Engineering, 2019, 2019, 1126-1132.	1.1	2
58	Comprehensive Power Flow Analyses and Novel Feedforward Coordination Control Strategy for MMC-Based UPFC. Energies, 2019, 12, 824.	3.1	5
59	A Non-Uniform Transmission Line Model of the ± 1100 kV UHV Tower. Energies, 2019, 12, 445.	3.1	7
60	Network frame optimization method for defending multi-DC commutation failure. , 2019, , .		0
61	Study on Transient Stability Constrained Optimal Power Flow Model of VSC-MTDC Transmission System Based on Phase Trajectory Concavity-convexity. , 2019, , .		1
62	Sub- And Super-Synchronous Oscillation Analysis of Hami Renewable Energy Bases in Xinjiang Power Grid. , 2019, , .		2
63	Control Strategy of Hybrid HVDC System Based on LCC and Hybrid MMC. , 2019, , .		5
64	Improved High-frequency Model of the Converter Transformer in UHVDC System. , 2019, , .		0
65	Study on Radio Interference of ± 1100 kV Converter Station. , 2019, , .		0
66	Comparative study on DC line fault transient characteristics of four typical MMC-HVDC configurations. , 2019, , .		6
67	Small-signal model of vector current-controlled MMC-UPFC. IET Generation, Transmission and Distribution, 2019, 13, 4180-4189.	2.5	7
68	Analysis of high-frequency interference characteristics of UHVDC converters. Journal of Engineering, 2019, 2019, 1937-1941.	1.1	1
69	The strength indexes of the islanded LCC-HVDC sending power system. International Transactions on Electrical Energy Systems, 2019, 29, e2788.	1.9	1
70	Parameters tuning and coordination control of the frequency limit controller. Journal of Engineering, 2019, 2019, 2102-2105.	1.1	1
71	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
72	Feasibility study of DC circuit breaker-less MTDC systems. International Transactions on Electrical Energy Systems, 2019, 29, e2679.	1.9	4

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73	Analysis and assessment standards of power stability of multi-ends HVDC systems. Journal of Engineering, 2019, 2019, 748-753.	1.1	5
74	Extended control strategies of voltage source converter stations linked to converter dominated systems. Journal of Engineering, 2019, 2019, 1947-1951.	1.1	2
75	Frequency deviation peak calculation of sending-end network in large asynchronous interconnected power grid. Journal of Engineering, 2019, 2019, 905-909.	1.1	2
76	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
77	Study on the Method for Analyzing Electric Network Resonance Stability. Energies, 2018, 11, 646.	3.1	13
78	AC- and DC-Side Perturbation Analysis of Modular Multilevel Converter Based on Frequency Components Balance. , 2018, , .		2
79	DC Side Main Circuit Parameter Selection of MMC-MTDC Systems with HVDC CBs and SFCLs. , 2018, , .		2
80	Infeasibility Analysis of Half-Wavelength Transmission Systems. Energies, 2018, 11, 1790.	3.1	4
81	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
82	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
83	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
84	DC Fault Analysis and Clearance Solutions of MMC-HVDC Systems. Energies, 2018, 11, 941.	3.1	38
85	Harmonic Characteristics and Influence Factors of Output Voltage in Modular Multilevel Converters. , 2018, , .		1
86	Capacitor Voltage Balancing Algorithm Using Voltage Fluctuation Threshold for Modular Multilevel Converters. , 2018, , .		1
87	Assembly HVDC Breaker for HVDC Grids With Modular Multilevel Converters. IEEE Transactions on Power Electronics, 2017, 32, 931-941.	7.9	218
88	UPFC-based line overload control for power system security enhancement. IET Generation, Transmission and Distribution, 2017, 11, 3310-3317.	2.5	23
89	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
90	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

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91	Comparison of DC fault handling strategies for hybrid HVDC system. , 2017, , .		5
92	Voltage sensitivity analysis based bus voltage regulation in transmission systems with UPFC series converter. , 2017, , .		2
93	Implementation of a novel unified power flow controller into Newton-Raphson load flow. , 2017, , .		7
94	Improvement of HVDC commutation failure response based on compound phase-shifting control. Journal of Engineering, 2017, 2017, 1473-1477.	1.1	5
95	Improved modulation method of modular multilevel converter. Journal of Engineering, 2017, 2017, 2544-2548.	1.1	0
96	Control strategy for multi-infeed MMC-based HVDC system connected to weak grid. , 2017, , .		3
97	SSO suppression method and effectiveness of STATCOM in an identical multi-machine system. Journal of Engineering, 2017, 2017, 1483-1487.	1.1	3
98	Application of Unified Power Flow Controller (UPFC) in Jiangsu power system. , 2017, , .		10
99	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
100	Installation, system-level control strategy and commissioning of the Nanjing UPFC project. , 2017, , .		6
101	An efficient modeling method for EMT analysis of large scale AC/DC power systems. , 2017, , .		0
102	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
103	Short-circuit current calculation and performance requirement of HVDC breakers for MMC-MTDC systems. IEEJ Transactions on Electrical and Electronic Engineering, 2016, 11, 168-177.	1.4	46
104	Hybrid high-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
105	A new control strategy with fault ride-through capability for VSC-based offshore high power oil pump motor power supply system. IEEJ Transactions on Electrical and Electronic Engineering, 2016, 11, 655-664.	1.4	3
106	Optimized modulation method for the modular multilevel converter with redundant sub-modules under arm-asymmetric operating conditions. , 2016, , .		0
107	Selection methods of main circuit parameters for modular multilevel converters. IET Renewable Power Generation, 2016, 10, 788-797.	3.1	66
108	Operating area for modular multilevel converter based high-voltage direct current systems. IET Renewable Power Generation, 2016, 10, 776-787.	3.1	29

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109	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
110	Calculating current and temperature fields of HVDC grounding electrodes. Journal of Modern Power Systems and Clean Energy, 2016, 4, 300-307.	5.4	16
111	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
112	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
113	Optimal DC-Segmentation for Multi-Infeed HVDC Systems Based on Stability Performance. IEEE Transactions on Power Systems, 2016, 31, 2445-2454.	6.5	30
114	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
115	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
116	Valve losses evaluation based on piecewise analytical method for MMC-HVDC links. , 2015, , .		0
117	Impacts of three MMC-HVDC configurations on AC system stability under DC line faults. , 2015, , .		4
118	Debates on ultra-high-voltage synchronous power grid: the future super grid in China?. IET Generation, Transmission and Distribution, 2015, 9, 740-747.	2.5	37
119	Wide-area measurement system-based transient excitation boosting control to improve power system transient stability. IET Generation, Transmission and Distribution, 2015, 9, 845-854.	2.5	19
120	Complete mathematical model derivation for modular multilevel converter based on successive approximation approach. IET Power Electronics, 2015, 8, 2396-2410.	2.1	32
121	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
122	Analysis of coupling effect on LCC-MCC hybrid HVDC from parallel AC lines in close proximity. , 2015, , .		1
123	Optimized Control Strategy Based on Dynamic Redundancy for the Modular Multilevel Converter. IEEE Transactions on Power Electronics, 2015, 30, 339-348.	7.9	93
124	Valve Losses Evaluation Based on Piecewise Analytical Method for MMC-HVDC Links. IEEE Transactions on Power Delivery, 2014, 29, 1354-1362.	4.3	67
125	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
126	A SIPSS-Lasso-BPNN scheme for online voltage stability assessment. , 2014, , .		1

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127	Reduction and modelling method of large-scale alternating current/direct current power systems for electromagnetic transient simulation. IET Generation, Transmission and Distribution, 2014, 8, 1667-1676.	2.5	8
128	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
129	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
130	Electromechanical Transient Modeling of Modular Multilevel Converter Based Multi-Terminal HVDC Systems. IEEE Transactions on Power Systems, 2014, 29, 72-83.	6.5	146
131	A Tripole HVDC System Based on Modular Multilevel Converters. IEEE Transactions on Power Delivery, 2014, 29, 1683-1691.	4.3	23
132	A modular multilevel power flow controller for meshed HVDC grids. Science China Technological Sciences, 2014, 57, 1773-1784.	4.0	18
133	Coordinated control of wind farm and VSC-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
134	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
135	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
136	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
137	Theoretical analysis of the harmonic characteristics of modular multilevel converters. Science China Technological Sciences, 2013, 56, 2762-2770.	4.0	19
138	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
139	Estimation of interarea modes in large power systems. International Journal of Electrical Power and Energy Systems, 2013, 53, 196-208.	5.5	13
140	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
141	Increasing the SSO damping effectiveness of IMDU by raising its operating frequency and optimizing its parameters. , 2013, , .		0
142	Wide-area measurement based nonlinear control of a parallel AC/DC power system. , 2012, , .		0
143	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
144	Suppressing DC Voltage Ripples of MMC-HVDC Under Unbalanced Grid Conditions. IEEE Transactions on Power Delivery, 2012, 27, 1332-1338.	4.3	265

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145	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
146	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
147	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
148	Control and modulation strategies for modular multilevel converter based HVDC system. , 2011, , .		101
149	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
150	Power losses evaluation for modular multilevel converter with junction temperature feedback. , 2011, , .		67
151	Impact of Sampling Frequency on Harmonic Distortion for Modular Multilevel Converter. IEEE Transactions on Power Delivery, 2011, 26, 298-306.	4.3	443
152	Mode shape estimation and mode checking for IAO using correlation analysis technique. Electric Power Systems Research, 2011, 81, 1181-1187.	3.6	14
153	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
154	Transient stability analysis of Shanghai Power Grid with multiple HVDC links. , 2010, , .		8
155	HVDC system DC loop resonance analysis based on time domain simulation. , 2010, , .		2
156	A combined control scheme to mitigate SSR for steady state and transient state of power systems. , 2010, , .		1
157	Mode shape estimation and mode identification for inter-area oscillations utilizing correlation analysis techniques. , 2010, , .		1
158	Analysis of DC voltage ripples in modular multilevel converters. , 2010, , .		11
159	Circulating current suppressing controller in modular multilevel converter. , 2010, , .		108
160	Inverter location analysis for multi-infeed HVDC systems. , 2010, , .		2
161	DC harmonic current calculation for HVDC systems based on the classical transmission line model. , 2010, , .		5
162	A supplementary damping controller of TCSC for mitigating SSR. , 2009, , .		20

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163	Effect of Exciter and PSS on SSR Damping. IEEE Power Engineering Society General Meeting, 2007, , .	0.0	10
164	A novel SVC supplementary controller based on wide area signals. Electric Power Systems Research, 2007, 77, 1569-1574.	3.6	56
165	A novel SVC supplementary controller based on wide area signals. , 2006, , .		21
166	Nonlinear control for VSC based HVDC system. , 2006, , .		11
167	An approach to select PI parameters of HVDC controllers. , 2006, , .		7
168	Coordinate damping control of HVDC and SVC based on wide area signal. , 2006, , .		3
169	Analysis of inter-area oscillations in the South China Interconnected Power System. Electric Power Systems Research, 2004, 70, 38-45.	3.6	40
170	The controllable impedance range of TCSC and its TCR reactance constraints. , 2001, , .		6
171	Supply passive networks with VSC-HVDC. , 2001, , .		17
172	The harmonic characteristics of HVDC system under AC voltage distortion. , 0, , .		2
173	The harmonic characteristics of multiple fundamental frequency HVDC systems. , 0, , .		2
174	The harmonic model and its algorithm for coupled multiphase transmission line. , 0, , .		9
175	Steady-state model for VSC based HVDC and its controller design. , 0, , .		33
176	A new real-time negative and positive sequence components detecting method based on space vector. , 0, , .		10
177	Per unit model of UPFC and its optimal control. , 0, , .		4
178	An emergency power modulation strategy for multi-infeed HVDC systems. , 0, , .		1
179	A co-ordinated recovery strategy of multi-infeed HVDC systems. , 0, , .		2
180	Study on commutation failure of multi-infeed HVDC system. , 0, , .		19

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181	Excitation system parameter setting for power system planning. , 0, , .		6
182	Analysis of rat electroencephalogram under slow wave sleep using wavelet transform. , 0, , .		5
183	Study on the DC transmission scheme of Xiluodu and Xiangjiaba Hydropower Stations. , 0, , .		2
184	EHV/UHV AC transmission capability analysis. , 0, , .		7
185	A control strategy for three-level VSC-HVDC system. , 0, , .		10
186	Study of protection strategy for VSC based HVDC system. , 0, , .		10
187	Damping analysis of subsynchronous oscillation caused by HVDC. , 0, , .		11
188	Coordination and optimization of small signal modulators in multi-infeed HVDC systems. , 0, , .		6
189	Study on the pure DC transmission scheme for China's future power transmission from the West to the East. , 0, , .		5
190	Analysis of bidding-strategy for leadership-company in power market. , 0, , .		1
191	HVDC supplementary controller based on synchronized phasor measurement units. , 0, , .		19
192	Research for congestion due to voltage security requirements. , 0, , .		3
193	SSR damping study on a generator connected to TCSC. , 0, , .		6
194	Impacts of transmission congestion on market power in electricity market. , 0, , .		9
195	A practical analysis method of low frequency oscillation for large power systems. , 0, , .		8
196	Adaptive Detecting Method for Fundamental Positive Sequence, Negative Sequence Components and Harmonic Component Based on Space Vector. , 0, , .		7
197	A dynamic equivalent aggregation method of wind turbine systems with a full-scale power converter for electromagnetic transient simulations. IET Renewable Power Generation, 0, , .	3.1	0