

Xiaojun Lu

List of Publications by Year in descending order

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papers

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28
all docs

28
docs citations

28
times ranked

178
citing authors

#	ARTICLE	IF	CITATIONS
1	An Adaptive Reclosing Strategy for MMC-HVDC Systems With Hybrid DC Circuit Breakers. IEEE Transactions on Power Delivery, 2020, 35, 1111-1123.	4.3	60
2	An Improved DC Fault Protection Algorithm for MMC HVDC Grids Based on Modal-Domain Analysis. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 4086-4099.	5.4	40
3	Small-signal modeling of MMC based DC grid and analysis of the impact of DC reactors on the small-signal stability. International Journal of Electrical Power and Energy Systems, 2018, 101, 25-37.	5.5	29
4	Impact of Strength and Proximity of Receiving AC Systems on Cascaded LCC-MMC Hybrid HVDC System. IEEE Transactions on Power Delivery, 2022, 37, 880-892.	4.3	18
5	Analysis of Wideband Oscillation of Hybrid MMC Interfacing Weak AC Power System. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 7408-7421.	5.4	15
6	Energy dissipation of MMC-HVDC based onshore wind power integration system with FB-DBS and DCCB. IET Renewable Power Generation, 2020, 14, 222-230.	3.1	15
7	Comparative Study of Small-Signal Stability Under Weak AC System Integration for Different VSCs. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 4482-4499.	5.4	11
8	State-space model and PQ operating zone analysis of hybrid MMC. Electric Power Systems Research, 2018, 162, 99-108.	3.6	8
9	A mechanical DCCB with re-closure capability and its performance in MMC based DC grid. International Journal of Electrical Power and Energy Systems, 2020, 121, 106128.	5.5	8
10	Interconnection of VSC-HVDC and LCC-HVDC using DC-DC autotransformer. Journal of Engineering, 2019, 2019, 5033-5037.	1.1	7
11	Investigation of interconnecting two Chinese LCC-HVDC through LCL DC/DC converter. , 2015, , .		4
12	Enhancing Active Power Transfer Capability for Hybrid MMC Integrated with Weak AC Grid through Parameter Adjustment. , 2019, , .		3
13	Dynamic phasor modelling and operating characteristic analysis of half-bridge MMC. , 2016, , .		2
14	An AC active power regulation method for MMC by employing the internal energy. Energy Reports, 2022, 8, 1052-1059.	5.1	2
15	Analytical model of hybrid MMC for dynamic and steady-state studies. Journal of Engineering, 2017, 2017, 2281-2286.	1.1	1
16	Coordinated control strategy of a DC grid with energy storage system. Journal of Engineering, 2019, 2019, 1778-1782.	1.1	1
17	The Energy-Based Control Frame and its Limitation for Half-Bridge MMC. , 2021, , .		1
18	Feedback Linearization Control for MMC Considering Capacitor Voltage Harmonics. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
19	Active Current-Limiting Control to Handle DC Line Fault of Overhead DC Grid. , 2019, , .		1
20	Novel Indexes and Method for Power Grid Blackout Risk Assessment. Applied Mechanics and Materials, 0, 556-562, 6665-6668.	0.2	0
21	Power Limitation Analysis of Hybrid MMC Considering Sub-Module Balancing Constraint. , 2018, , .		0
22	Transient energy analysis and dissipation of a bipolar MTDC wind power integrating system during MMC outage. , 2019, , .		0
23	Small-Signal Stability Analysis of Different Outer-Loop Control Combinations under AC/DC Decoupled Control Frame for Hybrid MMC. , 2021, , .		0
24	Impacts of Signal Filtersâ€™ Bandwidths on Small-signal Stability for Hybrid MMC. , 2021, , .		0
25	Research on lightning overvoltage in Ecuador 230kV GIS substation based on EMTP-RV. , 2021, , .		0
26	Dynamic Resistance Measurement Based on the Whole Lifetime of Breaker Arcing Contact. , 2021, , .		0
27	Comprehensive small-signal stability analysis for master hybrid MMC connected with strong and weak AC systems. Energy Reports, 2021, 7, 538-544.	5.1	0