

Xiangyu Zhang

List of Publications by Year in descending order

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521
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel High-Power Hybrid DC Breaker Based on Compound Power Electronic Switch With Integrated Commutation Ability. IEEE Transactions on Power Electronics, 2022, 37, 2465-2469.	5.4	8
2	<i>In Situ</i> Diagnosis of Wire Bonding Faults for Multichip IGBT Modules Based on the Crosstalk Effect. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 5107-5117.	3.7	5
3	Analysis for magnetic field disturbance of hybrid DC circuit breaker during breaking. High Voltage, 2022, 7, 523-535.	2.7	5
4	A Low-Cost DC Chopper With Coupling Transformer for Offshore Wind VSC-HVdc System. IEEE Transactions on Power Electronics, 2022, 37, 4979-4984.	5.4	11
5	Variable Inertias of Wind Turbines in Interconnected Power System for Transient Stability Enhancement. , 2022, , .		0
6	Analysis and suppression of voltage oscillation at DC circuit breaker terminal in DC fault transient process. High Voltage, 2022, 7, 1194-1203.	2.7	3
7	An IGBT Current Boosting Method by Using Ultrahigh Driving-Voltage in HVdc Circuit Breaker Applications. IEEE Transactions on Power Electronics, 2022, 37, 8146-8156.	5.4	13
8	A Voltage-Boosting Submodules Based Modular Multilevel Converter With Temporary Energy Storage Ability for Fault Ride Through of Offshore Wind VSC-HVDC System. IEEE Transactions on Sustainable Energy, 2022, 13, 2172-2183.	5.9	6
9	Transient Voltage Recovery Control and Stability Criterion of VSC-Based DC Power Grid. IEEE Transactions on Power Systems, 2021, 36, 3496-3506.	4.6	7
10	A Novel Forced Resonant Mechanical DC Circuit Breaker by Using Auxiliary Oscillation Switch for Zero-Crossing. IEEE Transactions on Power Electronics, 2021, 36, 12202-12206.	5.4	13
11	Optimised damping control of islanded DC power systems using state feedback. IET Generation, Transmission and Distribution, 2020, 14, 3929-3940.	1.4	1
12	Effects of two-area variable inertia on transient stabilisation in interconnected power system with DFIG-based wind turbines. IET Renewable Power Generation, 2017, 11, 696-706.	1.7	7
13	Integrated wind turbine controller with virtual inertia and primary frequency responses for grid dynamic frequency support. IET Renewable Power Generation, 2017, 11, 1129-1137.	1.7	89
14	Pole-to-ground fault analysis in transmission line of DC grids based on VSC. , 2016, , .		13
15	Integrated control of photovoltaic-energy storage system for power oscillation damping enhancement. , 2016, , .		3
16	Operation and control of isolated microgrid with wind turbines and seawater desalination equipment. , 2015, , .		3
17	Control of PMSG-Based Wind Turbines for System Inertial Response and Power Oscillation Damping. IEEE Transactions on Sustainable Energy, 2015, 6, 565-574.	5.9	284
18	Supplementary power control of PMSG-based wind farms for system dynamic stability. , 2013, , .		2