

# Yunke Zhang

## List of Publications by Year in descending order

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43  
papers

723  
citations

687363

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526287

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43  
all docs

43  
docs citations

43  
times ranked

804  
citing authors

#	ARTICLE	IF	CITATIONS
1	Active Disturbance Rejection Control for a Flywheel Energy Storage System. IEEE Transactions on Industrial Electronics, 2015, 62, 991-1001.	7.9	167
2	An Islanding Detection Algorithm for Inverter-Based Distributed Generation Based on Reactive Power Control. IEEE Transactions on Power Electronics, 2014, 29, 4672-4683.	7.9	91
3	An Active Damping Method Based on a Supercapacitor Energy Storage System to Overcome the Destabilizing Effect of Instantaneous Constant Power Loads in DC Microgrids. IEEE Transactions on Energy Conversion, 2017, 32, 36-47.	5.2	69
4	An Islanding Detection Method for Inverter-Based Distributed Generators Based on the Reactive Power Disturbance. IEEE Transactions on Power Electronics, 2016, 31, 3559-3574.	7.9	61
5	Pearson correlation coefficient of current derivatives based pilot protection scheme for long-distance LCC-HVDC transmission lines. International Journal of Electrical Power and Energy Systems, 2020, 116, 105526.	5.5	55
6	A Novel Hybrid Islanding Detection Method for Grid-Connected Microgrids With Multiple Inverter-Based Distributed Generators Based on Adaptive Reactive Power Disturbance and Passive Criteria. IEEE Transactions on Power Electronics, 2019, 34, 9342-9356.	7.9	44
7	A novel pilot protection scheme for LCC-HVDC transmission lines based on smoothing-reactor voltage. Electric Power Systems Research, 2019, 168, 261-268.	3.6	23
8	A fault location method based on genetic algorithm for high-voltage direct current transmission line. European Transactions on Electrical Power, 2012, 22, 866-878.	1.0	22
9	Protection for DC Distribution System with Distributed Generator. Journal of Applied Mathematics, 2014, 2014, 1-12.	0.9	21
10	A Nonlinear Three-Phase Phase-Locked Loop Based on Linear Active Disturbance Rejection Controller. IEEE Access, 2017, 5, 21548-21556.	4.2	21
11	Stability Analysis Method for Three-Phase Multi-Functional Grid-Connected Inverters With Unbalanced Local Loads Considering the Active Imbalance Compensation. IEEE Access, 2018, 6, 54865-54875.	4.2	18
12	A New Protection Scheme for HVDC Transmission Lines Based on the Specific Frequency Current of DC Filter. IEEE Transactions on Power Delivery, 2018, , 1-1.	4.3	16
13	A Novel Low Voltage Ride-Through Technique of Three-Phase Grid-Connected Inverters Based on a Nonlinear Phase-Locked Loop. IEEE Access, 2019, 7, 66609-66622.	4.2	15
14	Research on Current-Limiting Control Strategy Suitable for Ground Faults in AC Microgrid. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 1736-1750.	5.4	11
15	Novel islanding detection method for inverter-based distributed generators based on adaptive reactive power control. Journal of Engineering, 2019, 2019, 3890-3894.	1.1	10
16	A Pilot Protection for LCC-HVDC Transmission Lines Based on Measured Surge Impedance at Tuning Frequency. IEEE Transactions on Power Delivery, 2022, 37, 2090-2103.	4.3	9
17	A Nondestructive Islanding Detection Method Based on Adaptive and Periodic Disturbance on Reactive Power Output of Inverter-Based Distributed Generation. Journal of Applied Mathematics, 2014, 2014, 1-11.	0.9	7
18	Novel protection scheme for high-voltage direct-current transmission lines based on one-terminal transient AC voltage. Journal of Engineering, 2019, 2019, 4480-4485.	1.1	6

#	ARTICLE	IF	CITATIONS
19	Influence of transition resistance and fault moment on DC system commutation process caused by two-phase fault of AC system. Journal of Engineering, 2019, 2019, 1306-1312.	1.1	6
20	Analysis and calculation method of critical voltage of DC commutation process considering AC system single-phase fault moments. Journal of Engineering, 2019, 2019, 4096-4100.	1.1	6
21	Fault Diagnosis with Wavelet Packet Transform and Principal Component Analysis for Multi-terminal Hybrid HVDC Network. Journal of Modern Power Systems and Clean Energy, 2021, 9, 1312-1326.	5.4	6
22	Fault steady-state analysis method for the AC system with LCC-HVDC infeed. Electric Power Systems Research, 2021, 192, 106994.	3.6	5
23	Faulty line detection method based on improved Hilbert-Huang transform for resonant grounding systems. International Transactions on Electrical Energy Systems, 2021, 31, e12760.	1.9	5
24	Multi-functional grid-connected inverter with enhanced disturbance rejection capability. Journal of Engineering, 2019, 2019, 3587-3591.	1.1	4
25	Research on Comprehensive Active Current-Limiting Control Strategy Applied in Two-Port MMC-HVDC Transmission System. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 7925-7937.	5.4	4
26	Hidden failure identification and protection of multi-grounding fault in secondary circuit of potential transformer. IEEE Transactions on Electrical and Electronic Engineering, 2016, 11, 300-307.	1.4	3
27	Study on the Gas-Insulated Line Equivalent Model and Simplified Model. Energies, 2017, 10, 901.	3.1	3
28	Calculation method of critical voltage drop of DC commutation process considering AC system three-phase fault moments. Journal of Engineering, 2019, 2019, 1630-1635.	1.1	3
29	Ground fault protection for DC-filter high voltage capacitors based on virtual capacitance. International Journal of Electrical Power and Energy Systems, 2020, 123, 106170.	5.5	3
30	A fault location method for extra-high voltage mixed line based on variation of sequence voltage. , 2015, , .		2
31	Mechanism Analysis and Prevention Methods of Commutation Failure in LCC-HVDC Transmission System. , 2019, , .		2
32	A New Topological Structure of Z-Source DC Circuit Breaker. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 3294-3298.	3.0	2
33	A Pilot Protection for HVDC Transmission Lines Based on Current Correlation. , 2021, , .		1
34	A new pilot protection scheme for modular multi-level converter-based HVDC system based on voltage matching factor. IET Generation, Transmission and Distribution, 0, , .	2.5	1
35	Single Phase Ground Fault Locating Method of Multi-Branch Wind Farm Collector Lines. , 2021, , .		1
36	A coordinated strategy of protection and control based on wide-area information for distribution network with the DG. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
37	An Improved Droop Controller for Three-phase Multi-junction Inverters in the Micro-grid. , 2018, , .		0
38	Analysis of HVDC Commutation Failure Influence on AC Phase Selector Based on Fault component. , 2019, , .		0
39	On-line Monitoring and State Evaluation for Relay Protection Operating Circuit. , 2019, , .		0
40	A Comprehensive Control for Islanded Hybrid AC/DC Microgrid Involving Multi-terminal AC and DC Subgrids. , 2021, , .		0
41	Dual-Passivity-based Control based on Capacitor Current Feedback Method for Grid-connected Inverter with LCL Filter to Suppress Peak Resonance and Improve Power Quality. , 2021, , .		0
42	A Grounding Fault Location Method for Petal-type Urban Power Grid Based on Zero-Sequence Current Correlation. , 2019, , .		0
43	Multi - Functional Coordination Control for Bidirectional Interlinking Converters in Islanded Hybrid AC/DC Microgrid Cluster. , 2021, , .		0