

# Xuezhi Wu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5527446/publications.pdf>

Version: 2024-02-01

33  
papers

413  
citations

759233

12  
h-index

752698

20  
g-index

33  
all docs

33  
docs citations

33  
times ranked

436  
citing authors

#	ARTICLE	IF	CITATIONS
1	Energy Management Strategy of Multiple Supercapacitors in a DC Microgrid Using Adaptive Virtual Impedance. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2016, 4, 1174-1185.	5.4	70
2	Optimal Allocation of Hybrid Energy Storage Systems for Smoothing Photovoltaic Power Fluctuations Considering the Active Power Curtailment of Photovoltaic. IEEE Access, 2019, 7, 74787-74799.	4.2	55
3	Control Strategy of a Hybrid Energy Storage System to Smooth Photovoltaic Power Fluctuations Considering Photovoltaic Output Power Curtailment. Sustainability, 2019, 11, 1324.	3.2	38
4	Voltage regulation methods for active distribution networks considering the reactive power optimization of substations. Applied Energy, 2021, 284, 116347.	10.1	36
5	Impact of Circulating Current Control in Capacitor Voltage Ripples of Modular Multilevel Converters Under Grid Imbalances. IEEE Transactions on Power Delivery, 2018, 33, 1257-1267.	4.3	33
6	Multi-Agent Based Fully Distributed Economic Dispatch in Microgrid Using Exact Diffusion Strategy. IEEE Access, 2020, 8, 7020-7031.	4.2	22
7	Coordinated active and reactive power control for distribution networks with high penetrations of photovoltaic systems. Solar Energy, 2022, 231, 809-827.	6.1	19
8	An Improved Multiport DC Power Flow Controller for VSC-MTDC Grids. IEEE Access, 2020, 8, 7573-7586.	4.2	15
9	A Deadbeat PI Controller With Modified Feedforward for PMSM Under Low Carrier Ratio. IEEE Access, 2021, 9, 63463-63474.	4.2	15
10	Characteristic Analysis and Fault-Tolerant Control of Circulating Current for Modular Multilevel Converters under Sub-Module Faults. Energies, 2017, 10, 1827.	3.1	14
11	A Nonlinear Control Strategy for DC-DC Converter with Unknown Constant Power Load Using Damping and Interconnection Injecting. Energies, 2021, 14, 3031.	3.1	13
12	A Multizero-Sequence Component Injection Algorithm for a Five-Level Flying Capacitor Rectifier Under Unbalanced DC-Link Voltages. IEEE Transactions on Power Electronics, 2021, 36, 11967-11983.	7.9	13
13	Operation of Unified Power Flow Controller as Virtual Synchronous Generator. IEEE Access, 2020, 8, 162569-162580.	4.2	11
14	Performance Evaluation of Si/SiC Hybrid Switch-Based Three-Level Active Neutral-Point-Clamped Inverter. IEEE Open Journal of Industry Applications, 2022, 3, 90-103.	6.5	11
15	Power flow control scheme for multiport power electronics transformers. High Voltage, 2018, 3, 255-262.	4.7	7
16	Time Domain Simplified Equations and its Iterative Calculation Model for LLC Resonant Converter. IEEE Access, 2020, 8, 151195-151207.	4.2	6
17	Active Damping Control of Multiport DC Power Flow Controller for MMC-MTDC With Unbalanced AC Grid. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 7395-7407.	5.4	6
18	Investigate on a Simplified Multi-Port Interline DC Power Flow Controller and Its Control Strategy. Energies, 2019, 12, 2480.	3.1	5

#	ARTICLE	IF	CITATIONS
19	A Compensation Component Injection Method Based on a Hybrid Modulation for Minimizing the Neutral-Point Voltage Oscillations in a Five-Level Flying Capacitor Rectifier. IEEE Transactions on Power Electronics, 2022, 37, 2705-2718.	7.9	4
20	A Carrier-Based Discontinuous PWM Scheme With Optimal PWM Sequences for a Five-Level Flying Capacitor Rectifier. IEEE Transactions on Power Electronics, 2022, 37, 13178-13191.	7.9	4
21	A Second-Order Voltage Ripple Suppression Strategy of Five-Level Flying Capacitor Rectifiers Under Unbalanced AC Voltages. IEEE Transactions on Industrial Electronics, 2023, 70, 1140-1149.	7.9	3
22	Backward Step-Up Control Strategy for Bidirectional LLC Resonant Converter. Energies, 2022, 15, 4471.	3.1	3
23	Error analysis and limit value design of a simple sensorless control for MW-level DDWT-PMSG. , 2012, , .		2
24	Energy management strategy of multiple supercapacitors in an autonomous DC microgrid using adaptive virtual impedance. , 2016, , .		2
25	A turn-on switching losses study in a ZCT soft-switching converter. , 2012, , .		1
26	A novel LVRT strategy for direct-drive wind turbines based on permanent magnet synchronous generator. , 2012, , .		1
27	Current Regulator Generalized Design of Grid-Connected Converter with LCL Filter. , 2019, , .		1
28	Modeling and Control of Variable Speed DFIG Pumped Storage Turbine Based on RTDS. , 2019, , .		1
29	Optimal Control Method and Design for Modular Battery Energy Storage System Based on Partial Power Conversion. IEEE Access, 2021, 9, 133376-133386.	4.2	1
30	A Carrier-Based Discontinuous PWM Method for a Five-Level Flying Capacitor Rectifier With Unbalanced DC-Link Voltages. IEEE Transactions on Power Electronics, 2022, 37, 10384-10398.	7.9	1
31	Analysis of Harmonic Resonance Characteristics in Grid-Connected LCL Virtual Synchronous Generator. Sustainability, 2021, 13, 4261.	3.2	0
32	Active Damping Control of Multi-port DC Power Flow Controller for Suppressing Power Oscillation of MMC-MTDC under Unbalanced Grid. , 2020, , .		0
33	Hybrid DC Transmission System Based on LCC-FBMMC. , 2020, , .		0