

# Yifei Wu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2063308/publications.pdf>

Version: 2024-02-01

35  
papers

365  
citations

840776

11  
h-index

839539

18  
g-index

35  
all docs

35  
docs citations

35  
times ranked

260  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of an Active Current Injection DC Circuit Breaker Based on a Magnetic Induction Current Commutation Module. IEEE Transactions on Power Delivery, 2018, 33, 1809-1817.	4.3	50
2	Development and prospect of direct-current circuit breaker in China. High Voltage, 2021, 6, 1-15.	4.7	30
3	Experimental and theoretical study of internal fault arc in a closed container. Journal Physics D: Applied Physics, 2014, 47, 505204.	2.8	23
4	A New Thomson Coil Actuator: Principle and Analysis. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2015, 5, 1644-1655.	2.5	21
5	A Novel Current Injection DC Circuit Breaker Integrating Current Commutation and Energy Dissipation. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 2861-2869.	5.4	21
6	Damping HVDC Circuit Breaker With Current Commutation and Limiting Integrated. IEEE Transactions on Industrial Electronics, 2020, 67, 10433-10441.	7.9	20
7	Experimental Study on the Gas Bubble Temperature Around an Arc Under Insulation Oil. IEEE Transactions on Power Delivery, 2021, 36, 1245-1248.	4.3	17
8	Bidirectional Current Injection MVDC Circuit Breaker: Principle and Analysis. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 1536-1546.	5.4	15
9	MHD Modeling of Fault Arc in a Closed Container. IEEE Transactions on Plasma Science, 2014, 42, 2714-2715.	1.3	14
10	Development of a Novel HVdc Circuit Breaker Combining Liquid Metal Load Commutation Switch and Two-Stage Commutation Circuit. IEEE Transactions on Industrial Electronics, 2019, 66, 6055-6064.	7.9	14
11	Snubber and Metal Oxide Varistor Optimization Design of Modular IGCT Switch for Overvoltage Suppression in Hybrid DC Circuit Breaker. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 4126-4136.	5.4	13
12	Research on Snubber Circuits for Power Electronic Switch in DC Current Breaking. , 2019, , .		12
13	Bubble evolution mechanism of pulse spark discharge in seawater. Journal Physics D: Applied Physics, 2019, 52, 285201.	2.8	11
14	Low-Cost HVdc Circuit Breaker With High Current Breaking Capability Based on IGCTs. IEEE Transactions on Power Electronics, 2021, 36, 4948-4953.	7.9	11
15	A Novel DC Circuit Breaker With Counter-Current Injection and IGCT Combined. IEEE Transactions on Power Electronics, 2022, 37, 3451-3461.	7.9	11
16	Investigation of DC hybrid circuit breaker based on high-speed switch and arc generator. Review of Scientific Instruments, 2015, 86, 024704.	1.3	10
17	Hybrid MVDC Circuit Breaker Based on Enhanced Arc Voltage of Vacuum Interrupter. IEEE Transactions on Industrial Electronics, 2022, 69, 4776-4785.	7.9	10
18	Study on the Dielectric Recovery Strength of Vacuum Interrupter in MVDC Circuit Breaker. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 7158-7166.	4.7	9

#	ARTICLE	IF	CITATIONS
19	Research on a novel bidirectional direct current circuit breaker. , 2017, , .		7
20	Technical Assessment on Self-Charging Mechanical HVDC Circuit Breaker. IEEE Transactions on Industrial Electronics, 2022, 69, 3622-3630.	7.9	7
21	A new model for Thomson-type actuator including the pressure buffer. Advances in Mechanical Engineering, 2015, 7, 168781401559818.	1.6	5
22	Study on Dielectric Recovery Characteristic of Vacuum Interrupter after High Frequency Interruption. , 2019, , .		5
23	Reverse electrodialysis for power production with ion-permselective spacers and its optimization. Journal of Applied Electrochemistry, 2022, 52, 871-884.	2.9	5
24	An Investigation of Snubber and Protection Circuits Connections for Power-Electronic Switch in Hybrid DC Circuit Breaker. , 2019, , .		4
25	A Passive Oscillation DC Breaking Scheme Based on Enhanced Vacuum Interrupter. IEEE Transactions on Power Electronics, 2022, 37, 7344-7353.	7.9	4
26	Experimental and theoretical investigation on radiation loss for a fault arc between different material electrodes in an enclosed air tank. Journal Physics D: Applied Physics, 2017, 50, 485205.	2.8	3
27	Analysis of the Energy Dissipation Characteristic in an MMC-Based MVDC System With the Liquid Metal Current Limiter. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 5521-5532.	5.4	3
28	The effects of metal vapour on the fault arc in a closed, air-filled container. Physics of Plasmas, 2019, 26, 043502.	1.9	2
29	Current Sharing Characteristics Study of Parallel IGCTs Module in a DC Circuit Breaker. , 2019, , .		2
30	High-Capacity MVDC Interruption Based on IGCT Current Sharing Integrated With Freewheeling. IEEE Transactions on Industrial Electronics, 2021, 68, 10982-10991.	7.9	2
31	Aluminum Erosion Due to Fault Arcing and Its Effects on Temperature and Pressure in a Closed Air Vessel. IEEE Transactions on Plasma Science, 2020, 48, 3487-3494.	1.3	2
32	Asynchronous Control Method of Parallel IGCT Components in Hybrid DC Circuit Breakers. , 2019, , .		1
33	Analysis of structure strength for direct current high-speed switch based on flexible body theory. Advances in Mechanical Engineering, 2020, 12, 168781402091298.	1.6	1
34	The influence of electrode erosion on fault arc. , 2015, , .		0
35	Experimental and theoretical study of decay and post-arc phases of a SF6 transfer arc in DC hybrid breaking. Journal Physics D: Applied Physics, 2018, 51, 215204.	2.8	0