

Zhihui Huang

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

153
citations

1307594

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h-index

1372567

10
g-index

38
all docs

38
docs citations

38
times ranked

80
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of the AMF Arc Control on Voltage Distribution of Double-Break VCBs. IEEE Transactions on Plasma Science, 2016, 44, 2455-2461.	1.3	19
2	Investigation on the current-zero characteristic of vacuum circuit breakers. Vacuum, 2016, 134, 63-68.	3.5	17
3	Vacuum Arc Commutation Characteristics of the DC Microgrid Hybrid Circuit Breakers. IEEE Transactions on Plasma Science, 2017, 45, 2172-2178.	1.3	14
4	The Voltage Distribution Characteristics of a Hybrid Circuit Breaker During High Current Interruption. Plasma Science and Technology, 2013, 15, 800-806.	1.5	10
5	Design of WPT RF Power Supply Based on Dual Directional Coupler and Capacitor Array Impedance Matching Network. IEEE Access, 2020, 8, 68209-68218.	4.2	9
6	Mechanism of Dynamic Voltage Distribution in Series-Connected Vacuum Interrupters. IEEE Transactions on Plasma Science, 2018, 46, 3083-3089.	1.3	8
7	Investigating influence of the magnetic arc blow in multi-break vacuum circuit breakers. Physics of Plasmas, 2016, 23, .	1.9	7
8	Investigation on the Vacuum Arc Commutating Characteristic With Application to Postarc Current Measure. IEEE Transactions on Plasma Science, 2017, 45, 252-258.	1.3	7
9	A novel post-arc current measuring equipment based on vacuum arc commutation and arc blow. Measurement Science and Technology, 2017, 28, 075901.	2.6	7
10	Fiber-controlled vacuum interrupter module used for fault current interruption. , 2010, , .		6
11	Investigation on the interrupting test of mechanical HVDC vacuum circuit breaker. , 2017, , .		6
12	Simulation on the overvoltage of 500 kV fault current limiter based on fault current capture technology. , 2017, , .		6
13	A permanent magnetic actuator with scheduled stroke curve for vacuum circuit breakers. , 2010, , .		5
14	Improvement of breaking capability of vacuum circuit breaker using controlled fault interruption. , 2013, , .		5
15	Property of 126kV vacuum circuit breaker based on three 40.5kV fiber-controlled vacuum interrupter modules in series. , 2012, , .		4
16	Delay characteristics of triggered vacuum switch and air spark gap for pulsed power applications. , 2012, , .		3
17	Reliability assessment of permanent magnetic actuator for vacuum circuit breaker. , 2015, , .		2
18	A new controlled fault limiting algorithm for vacuum fault current limiter based on fault current zero-crossing prediction algorithm. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
19	Design of power source system used on wireless power supply for high voltage direct current switch. , 2017, , .		2
20	Synthetic Test for DC Vacuum Circuit Breaker with Three Power Supply Sources. , 2018, , .		2
21	Research on Composite Magnetic Field Contact of DC Vacuum Circuit Breaker and Its Arc Behavior. , 2019, , .		2
22	Controlled Breaking Strategy of Shunt Reactor Based on Fast Vacuum Switch. , 2019, , .		2
23	Research on key influence factors of current-transfer process based on paralleled breaking. , 2013, , .		1
24	Design of on-load tap changer controller based on permanent magnetic actuator. , 2015, , .		1
25	A new intelligent controlled reactor with controlled moveable magnetic-wedge for fault current limiter. , 2017, , .		1
26	Simulation Research of Magnetic Field for Electrodes in DC Vacuum Circuit Breaker. , 2018, , .		1
27	A New Type Electromagnetic Repulsive Mechanism for 40.5 kV Vacuum Circuit Breaker. , 2019, , .		1
28	Research on Voltage Sag Control Scheme Based on Fast Vacuum Switch. , 2019, , .		1
29	Computer Solution of Nonlinear Equations for Real-time Fault Current Parameter Identification. Journal of Information and Computational Science, 2014, 11, 5835-5842.	0.1	1
30	Recursive Least Square Algorithm with a Compensation Formula for Fault Current Parameters Estimation. Journal of Convergence Information Technology, 2012, 7, 101-109.	0.1	1
31	Simulation research of the electromagnetic characteristic of vacuum arc. , 2016, , .		0
32	Research on the Vacuum Arc Commutating Characteristic of Resistive Fault Current Limiters. High Temperature, 2019, 57, 628-635.	1.0	0
33	A New DC Current Limiting Device Based on Medium Frequency Transformer. , 2019, , .		0
34	Experimental Study on Commutation Parameter of HVDC Vacuum Circuit Breaker. , 2019, , .		0
35	The study on limited asynchronous breaking based on the adjustment of breaking time. Cluster Computing, 2019, 22, 15081-15089.	5.0	0
36	Strategy and implementation of controlled reclosing: harmless reclosing. Electrical Engineering, 2021, 103, 677-684.	2.0	0

#	ARTICLE	IF	CITATIONS
37	Safe stroke of vacuum breaking process in DC circuit breaker commutated by intermediate frequency current. <i>Vacuum</i> , 2021, 194, 110548.	3.5	0
38	Analysis of motion characteristics and synchronous error based on vacuum switch module with integrated operation of double-break. <i>AIP Advances</i> , 2022, 12, 025014.	1.3	0