

Zhengcai Fu

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

90
citations

1684188
5
h-index

1588992
8
g-index

21
all docs

21
docs citations

21
times ranked

53
citing authors

#	ARTICLE	IF	CITATIONS
1	Withstand Performance of SPD Varistor Under Multi-waveform Multi-pulse Currents. Lecture Notes in Electrical Engineering, 2020, , 1194-1204.	0.4	0
2	Damage Characteristics and Microstructure Response of Steel Alloy Q235B Subjected to Simulated Lightning Currents. IEEE Access, 2019, 7, 9258-9264.	4.2	2
3	Damage Characteristics and Response of Al Alloy 3003 to Different Components of Simulated Lightning Currents. IEEE Access, 2018, 6, 1277-1283.	4.2	9
4	Numerical inversion analysis on front-face temperature rise of Al alloy suffered from long continuing current in lightning. IET Science, Measurement and Technology, 2018, 12, 467-471.	1.6	5
5	A Simulation Study on Optical Signal Propagation Characteristics of Partial Discharge in Single-core and Three-cores GIL. , 2018, , .		1
6	Experimental investigation of the damage of carbon steel sheets coated with anticorrosion coatings under simulated lightning currents. , 2018, , .		1
7	Influence of the Voltage Level on the Propagation Characteristics of Optical Signals Generated by GIL Partial Discharge. , 2018, , .		0
8	MOV Failure Modes and Microstructural Characteristics Under Operating Duty Tests With Multiwaveform Multipulse Currents. IEEE Transactions on Power Delivery, 2018, 33, 2274-2283.	4.3	21
9	Dynamic characteristics and cascaded coordination of limiting-type SPDs under subsequent negative strokes. IET Generation, Transmission and Distribution, 2016, 10, 4197-4204.	2.5	11
10	Experimental and analytical investigation of the effects of single and multiple simulated lightning impulse currents on Metal-Oxide arrester blocks. Electric Power Systems Research, 2016, 139, 146-152.	3.6	7
11	Research and implementation of mapping feature into a remote transformer monitoring system. , 2014, , .		0
12	Study of the melting characteristics of transmission lines and fitting due to multiple impulse current. , 2014, , .		0
13	Advanced Model of Space Charge Used for Simulation of Conductor under Lightning Strike. , 2014, , .		1
14	Research and implement of cost-effective remote transformer monitor system. , 2012, , .		0
15	Upper electrode design for scale model experiment of upward leader inception from UHV transmission lines. , 2012, , .		0
16	Investigation of lightning strokes to UHV transmission lines by improved magnetic steel rod method. , 2012, , .		0
17	Scale model experiment for the study of lightning-induced spark discharge on large floating roof oil tanks. , 2012, , .		2
18	The impact of current-carrying bus decentration and inclination on impulse current measurement by large size Rogowski coils. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
19	An improved leader progression model for the analysis of the shielding performance of 1000kV UHVAC transmission lines. European Transactions on Electrical Power, 2010, 20, 327-355.	1.0	3
20	Analysis of Lightning Shielding Failure for 500-kV Overhead Transmission Lines Based on an Improved Leader Progression Model. IEEE Transactions on Power Delivery, 2009, 24, 1433-1440.	4.3	27
21	AN ADAPTIVE STEP LENGTH GENETIC ALGORITHM AND ITS PROPERTY ANALYSIS. , 2005, , .		0