

Yakun Liu

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

163
citations

1040056

9
h-index

1199594

12
g-index

20
all docs

20
docs citations

20
times ranked

98
citing authors

#	ARTICLE	IF	CITATIONS
1	Amine-Wetting-Enabled Dendrite-Free Potassium Metal Anode. ACS Nano, 2022, 16, 7291-7300.	14.6	36
2	Evolution of Global Lightning in the Transition From Cold to Warm Phase Preceding Two Super El Niño Events. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033526.	3.3	16
3	Modeling the lightning continuing current electric arc discharge and material thermal damage: Effects of combinations of amplitude and duration. International Journal of Thermal Sciences, 2021, 162, 106786.	4.9	10
4	Is Indirect Electrode a Good Choice for Simulated Lightning Damage Tests?â€”The Effect of Metal Vapor. IEEE Transactions on Plasma Science, 2021, 49, 1661-1668.	1.3	9
5	Lightning Enhancement in Moist Convection With Smokeâ€”laden Air Advected From Australian Wildfires. Geophysical Research Letters, 2021, 48, e2020GL092355.	4.0	8
6	Solar Cycle-Modulated Deformation of the Earthâ€™s Ionosphere Cavity. Frontiers in Earth Science, 2021, 9, .	1.8	12
7	Simulation Calculation of Maximum Lightning Attachment Distance of Aviation Aircraft. , 2021, , .		0
8	Aerosol Effects on Lightning Characteristics: A Comparison of Polluted and Clean Regimes. Geophysical Research Letters, 2020, 47, e2019GL086825.	4.0	14
9	Analysis of damage modes of glass fiber composites subjected to simulated lightning strike impulse voltage puncture and direct high voltage AC puncture. Journal of Composite Materials, 2020, 54, 4067-4080.	2.4	11
10	Effects of Single Impulse Current and Multiwaveform Multipulse Currents on Aluminum Alloy in Lightning Damage Analysis. IEEE Transactions on Plasma Science, 2020, 48, 1146-1153.	1.3	5
11	Comparative Investigation on the Ablation of Uncoated and Coated Mild Steel Inflicted by the 2 ms 2 kA Rectangular Current. Metals, 2019, 9, 150.	2.3	0
12	Experimental investigation on ablation characteristics of coated and uncoated steel under 30/80 μ s impulse current. Plasma Science and Technology, 2019, 21, 075501.	1.5	1
13	Damage Characteristics and Microstructure Response of Steel Alloy Q235B Subjected to Simulated Lightning Currents. IEEE Access, 2019, 7, 9258-9264.	4.2	2
14	Damage Characteristics and Response of Al Alloy 3003 to Different Components of Simulated Lightning Currents. IEEE Access, 2018, 6, 1277-1283.	4.2	9
15	Numerical inversion analysis on frontâ€”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
16	Experimental investigation of the damage of carbon steel sheets coated with anticorrosion coatings under simulated lightning currents. , 2018, , .		1
17	Avulsion in the Lightning River: Another Look at M-Components in the Context of a Laboratory Arc. IEEE Transactions on Power and Energy, 2018, 138, 352-358.	0.2	0
18	Experimental and analytical investigation on metal damage suffered from simulated lightning currents. Plasma Science and Technology, 2017, 19, 125301.	1.5	8

#	ARTICLE	IF	CITATIONS
19	Analysis on the choosing of test electrode for lightning current metal ablation experiments. , 2016, , .		5
20	FDTD analysis of the effects of indirect lightning on large floating roof oil tanks. Electric Power Systems Research, 2016, 139, 81-86.	3.6	11