

Kai Liu

List of Publications by Year in descending order

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12
papers

133
citations

1684188

5
h-index

1474206

9
g-index

12
all docs

12
docs citations

12
times ranked

177
citing authors

#	ARTICLE	IF	CITATIONS
1	A High-Precision Positioning Approach for Catenary Support Components With Multiscale Difference. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 700-711.	4.7	42
2	An Extreme-Learning-Machine-Based Hyperspectral Detection Method of Insulator Pollution Degree. IEEE Access, 2019, 7, 121156-121164.	4.2	25
3	Study of Dielectric Barrier Townsend Discharge in 3-mm Air Gap at Atmospheric Pressure. IEEE Transactions on Plasma Science, 2014, 42, 1211-1215.	1.3	22
4	Surface Roughness Detection of Roof Insulator Based on Hyperspectral Technology. IEEE Access, 2020, 8, 81651-81659.	4.2	11
5	Study on the Arc Motion Characteristics of Multi-Chamber Arrester Based on 3D Model. IEEE Access, 2020, 8, 90035-90041.	4.2	8
6	High-speed railway catenary components detection using the cascaded convolutional neural networks. , 2017, , .		6
7	The Influence of Pressure on the Discharge along Oil-Paper Interface under AC Stress. Energies, 2019, 12, 1846.	3.1	6
8	A ReaxFF molecular dynamics study of insulation paper modification by plasma ROS. Physics of Plasmas, 2022, 29, .	1.9	5
9	The Physical Mechanism of Frequency-Induced Inflection Point for Oil-Paper Insulation Under High-Frequency Square-Wave Voltage. IEEE Transactions on Plasma Science, 2022, 50, 2388-2395.	1.3	4
10	Trap level distribution dependence of lifetime for polyimide films under repetitive impulse voltage. Journal of Materials Science: Materials in Electronics, 2020, 31, 20181-20190.	2.2	3
11	Charge migration of multilayer oil paper on the process of partial discharge under AC voltage. IET Generation, Transmission and Distribution, 2021, 15, 2075-2084.	2.5	1
12	Study on the Electromagnetic Thermal Coupling Analysis Method for Valve Side Bushing of Converter Transformer Under Multi-frequency Harmonic Current. , 2021, , .		0