Hechen Liu

List of Publications by Year
in descending order

13 papers	121 citations	1684188 5 h-index	1281871 11 g-index
13 all docs	13 docs citations	13 times ranked	75 citing authors

#	Article	IF	Citations
1	The influences of silane coupling agents on the heat and moisture resistance of basalt fibreâ€reinforced composites. High Voltage, 2023, 8, 38-47.	4.7	6
2	Research on External Insulation Characteristics of Composite Cross-Arm of 10 kV Distribution Network Based on Multi-Factor Aging. Polymers, 2022, 14, 1403.	4.5	2
3	Properties of Basalt Fiber Core Rods and Their Application in Composite Cross Arms of a Power Distribution Network. Polymers, 2022, 14, 2443.	4.5	4
4	Blending Modification of Alicyclic Resin and Bisphenol A Epoxy Resin to Enhance Salt Aging Resistance for Composite Core Rods. Polymers, 2022, 14, 2394.	4.5	3
5	A Review on Basalt Fiber Composites and Their Applications in Clean Energy Sector and Power Grids. Polymers, 2022, 14, 2376.	4.5	26
6	Electrical and Hydrolysis-resistance Properties of Silicone-Modified Resin/Microsphere Syntactic Foam for Composite Cross-arms Insulation Application. IEEE Transactions on Dielectrics and Electrical Insulation, 2021, 28, 248-256.	2.9	5
7	Effect of different coupling agents on the interfacial properties of tubeâ€“internally insulated foam materials interface in a composite crossâ€arm under water environment. High Voltage, 2021, 6, 242-254.	4.7	9
8	Current Status of Research on the Modification of Thermal Properties of Epoxy Resin-Based Syntactic Foam Insulation Materials. Polymers, 2021, 13, 3185.	4.5	5
9	Simulation of Influence of DC Pre-Stress on Space-Charge Characteristics of Cross-Linked Polyethylene in Inhomogeneous Field. IEEE Access, 2020, 8, 121119-121126.	4.2	4
10	Influence of DC pre-stress of initiation characteristics on electrical tree in XLPE under DC- impulse voltage. , 2020, , .		0
11	Growth and partial discharge characteristics of DC electrical trees in cross-linked polyethylene. IEEE Transactions on Dielectrics and Electrical Insulation, 2019, 26, 1965-1972.	2.9	18
12	Electrical Tree Initiation Properties in Cross-Linked Polyethylene Under DC-Impulse Composite Voltages. IEEE Access, 2018, 6, 62890-62897.	4.2	11
13	Effect of thermal stress on the space charge distribution of 160 kV HVDC cable insulation material. IEEE Transactions on Dielectrics and Electrical Insulation, 2017, 24, 1355-1364.	2.9	28