

Xiao Yang

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

469
citations

933447

10
h-index

1058476

14
g-index

17
all docs

17
docs citations

17
times ranked

421
citing authors

#	ARTICLE	IF	CITATIONS
1	Smart dielectric materials for next-generation electrical insulation. , 2022, 1, 19-49.		20
2	A Dielectric Polymer/Metal Oxide Nanowire Composite for Self-Adaptive Charge Release. Nano Letters, 2022, 22, 5167-5174.	9.1	9
3	Improved High-Temperature Electrical Properties of Polymeric Material by Grafting Modification. ACS Sustainable Chemistry and Engineering, 2022, 10, 8685-8693.	6.7	32
4	High Breakdown Strength and Energy Storage Density in Aligned SrTiO ₃ @SiO ₂ Core-Shell Platelets Incorporated Polymer Composites. Membranes, 2021, 11, 756.	3.0	6
5	Nonlinear Materials Applied in HVDC Gas Insulated Equipment: From Fundamentals to Applications. IEEE Transactions on Dielectrics and Electrical Insulation, 2021, 28, 1588-1603.	2.9	8
6	High voltage gradient zinc oxide varistors for line surge arresters and GIS tank-type arresters. , 2019, , .		3
7	Ferroelectric Nanocomposites: Direct Detection of Local Electric Polarization in the Interfacial Region in Ferroelectric Polymer Nanocomposites (Adv. Mater. 21/2019). Advanced Materials, 2019, 31, 1970154.	21.0	1
8	Direct Detection of Local Electric Polarization in the Interfacial Region in Ferroelectric Polymer Nanocomposites. Advanced Materials, 2019, 31, e1807722.	21.0	81
9	Nonlinear effective permittivity of field grading composite dielectrics. Journal Physics D: Applied Physics, 2018, 51, 075304.	2.8	16
10	How nonlinear V-I characteristics of single ZnO microvaristor influences the performance of its silicone rubber composite. IEEE Transactions on Dielectrics and Electrical Insulation, 2018, 25, 623-630.	2.9	17
11	Effect of interfacial charge relaxation on conducting behavior of ZnO varistors under time varying electric fields. Applied Physics Letters, 2017, 110, .	3.3	14
12	Tuning the potential distribution of AC cable terminals by stress cone of nonlinear conductivity material. IEEE Transactions on Dielectrics and Electrical Insulation, 2017, 24, 2686-2693.	2.9	28
13	Local Dielectric Property Detection of the Interface between Nanoparticle and Polymer in Nanocomposite Dielectrics. Scientific Reports, 2016, 6, 38978.	3.3	77
14	Understanding the Percolation Characteristics of Nonlinear Composite Dielectrics. Scientific Reports, 2016, 6, 30597.	3.3	67
15	Adjusting nonlinear characteristics of ZnO-silicone rubber composites by controlling filler's shape and size. , 2016, , .		7
16	ZnO microvaristors doped polymer composites with electrical field dependent nonlinear conductive and dielectric characteristics. Materials Letters, 2016, 171, 1-4.	2.6	49
17	Tailoring the nonlinear conducting behavior of silicone composites by ZnO microvaristor fillers. Journal of Applied Polymer Science, 2015, 132, .	2.6	34