

Xiao Yang

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

469
citations

933447

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all docs

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docs citations

17
times ranked

421
citing authors

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