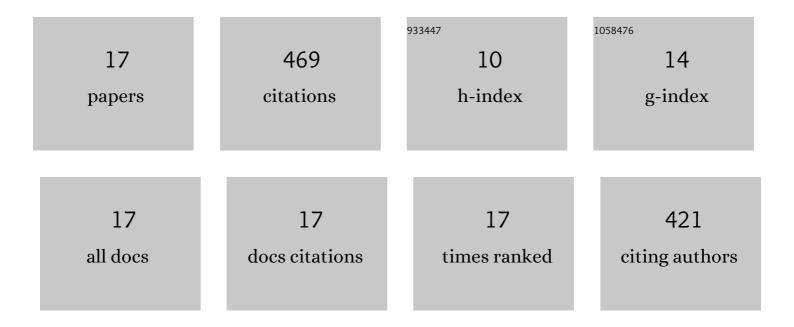
Xiao Yang

List of Publications by Year in descending order

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YIAO VANO

#	Article	IF	CITATIONS
1	Direct Detection of Local Electric Polarization in the Interfacial Region in Ferroelectric Polymer Nanocomposites. Advanced Materials, 2019, 31, e1807722.	21.0	81
2	Local Dielectric Property Detection of the Interface between Nanoparticle and Polymer in Nanocomposite Dielectrics. Scientific Reports, 2016, 6, 38978.	3.3	77
3	Understanding the Percolation Characteristics of Nonlinear Composite Dielectrics. Scientific Reports, 2016, 6, 30597.	3.3	67
4	ZnO microvaristors doped polymer composites with electrical field dependent nonlinear conductive and dielectric characteristics. Materials Letters, 2016, 171, 1-4.	2.6	49
5	Tailoring the nonlinear conducting behavior of silicone composites by ZnO microvaristor fillers. Journal of Applied Polymer Science, 2015, 132, .	2.6	34
6	Improved High-Temperature Electrical Properties of Polymeric Material by Grafting Modification. ACS Sustainable Chemistry and Engineering, 2022, 10, 8685-8693.	6.7	32
7	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
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. IEEE Transactions on Dielectrics and Electrical Insulation, 2018, 25, 623-630.	2.9	17
10	Nonlinear effective permittivity of field grading composite dielectrics. Journal Physics D: Applied Physics, 2018, 51, 075304.	2.8	16
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	A Dielectric Polymer/Metal Oxide Nanowire Composite for Self-Adaptive Charge Release. Nano Letters, 2022, 22, 5167-5174.	9.1	9
13	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
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 SrTiO3@SiO2 Core–Shell Platelets Incorporated Polymer Composites. Membranes, 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 (Adv. Mater. 21/2019). Advanced Materials, 2019, 31, 1970154.	21.0	1