

Tian Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9533451/publications.pdf>

Version: 2024-02-01

13
papers

677
citations

1162367

8
h-index

1473754

9
g-index

13
all docs

13
docs citations

13
times ranked

604
citing authors

#	ARTICLE	IF	CITATIONS
1	High-temperature polymers with record-high breakdown strength enabled by rationally designed chain-packing behavior in blends. <i>Matter</i> , 2021, 4, 2448-2459.	5.0	100
2	Dielectric enhancement over a broad temperature by nanofiller at ultra-low volume content in poly(ether methyl ether urea). <i>Applied Physics Letters</i> , 2020, 117, 072905.	1.5	10
3	A highly scalable dielectric metamaterial with superior capacitor performance over a broad temperature. <i>Science Advances</i> , 2020, 6, eaax6622.	4.7	184
4	Influence of nanoparticle interface on enhancing dielectric constant by low loading nanofillers. , 2020, , .		0
5	Improving the Charge/Discharge Efficiency and Dielectric Breakdown in High Temperature Polymer Dielectrics. , 2018, , .		1
6	Enhancing the electrocaloric effect in a relaxor polymer by including minor normal ferroelectric phase. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	24
7	Towards electrocaloric heat pump—A relaxor ferroelectric polymer exhibiting large electrocaloric response at low electric field. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	31
8	An electrocaloric refrigerator with direct solid to solid regeneration. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	62
9	The refrigerant is also the pump. <i>Science</i> , 2017, 357, 1094-1095.	6.0	25
10	Enhancement of the dielectric response in polymer nanocomposites with low dielectric constant fillers. <i>Nanoscale</i> , 2017, 9, 10992-10997.	2.8	216
11	Doped dielectric polymers with low dielectric constant nanofillers. , 2017, , .		0
12	Mitigation of conduction loss in a semi-crystalline polymer with high dielectric constant and high charge-discharge efficiency. , 2016, , .		1
13	Electrocaloric response near room temperature in Zr- and Sn-doped BaTiO ₃ systems. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20160055.	1.6	23