

Wei Zhou

List of Publications by Year in descending order

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23
papers

450
citations

840776

11
h-index

752698

20
g-index

23
all docs

23
docs citations

23
times ranked

573
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in Ti ³⁺ self-doped nanostructured TiO ₂ visible light photocatalysts for environmental and energy applications. <i>Chemical Engineering Journal</i> , 2020, 382, 123011.	12.7	122
2	Structure dependence of water vapor permeation in polymer nanocomposite membranes investigated by positron annihilation lifetime spectroscopy. <i>Journal of Membrane Science</i> , 2018, 549, 581-587.	8.2	52
3	Study on Damping Mechanism Based on the Free Volume for CIIR by PALS. <i>Journal of Physical Chemistry B</i> , 2007, 111, 11388-11392.	2.6	41
4	Investigation of interfacial interaction and structural transition for epoxy/nanotube composites by positron annihilation lifetime spectroscopy. <i>Applied Physics Letters</i> , 2009, 94, 021904.	3.3	32
5	Effect of Surface Decoration of CNTs on the Interfacial Interaction and Microstructure of Epoxy/MWNT Nanocomposites. <i>ChemPhysChem</i> , 2008, 9, 1046-1052.	2.1	26
6	Free volume dependence of dielectric behaviour in sandwich-structured high dielectric performances of poly(vinylidene fluoride) composite films. <i>Nanoscale</i> , 2021, 13, 300-310.	5.6	26
7	<i>In-situ</i> characterization of free-volume holes in polymer thin films under controlled humidity conditions with an atmospheric positron probe microanalyzer. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	25
8	Effect of preparation process on properties of PLZT (9/65/35) transparent ceramics. <i>Journal of Alloys and Compounds</i> , 2017, 723, 602-610.	5.5	25
9	Effects of electrical conductivity on the formation and annihilation of positronium in porous materials. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 7659-7667.	2.8	17
10	Synthesis and magnetoelectric properties of multiferroic composites of lead lanthanum zirconate titanate and mesoporous cobalt ferrite. <i>Scripta Materialia</i> , 2017, 136, 29-32.	5.2	14
11	Improved mobility of sol-gel method processed transparent tin sulfide thin films. <i>Materials Letters</i> , 2016, 178, 231-234.	2.6	13
12	The effect of the Zn/Sn ratio on the formation of single phase kesterite Cu ₂ ZnSnS ₄ solar cell material. <i>Ceramics International</i> , 2017, 43, 8103-8108.	4.8	10
13	The effective strategies of preparing black F-TiIII-codoping TiO ₂ anchored on sepiolite for enhanced photodegradation. <i>Applied Clay Science</i> , 2021, 209, 106116.	5.2	9
14	Na incorporation controlled single phase kesterite Cu ₂ ZnSnS ₄ solar cell material. <i>Materials Letters</i> , 2020, 265, 127355.	2.6	7
15	Subnanoscopic Holes in Composite Membranes for Desalination Elucidated by Energy-Tunable Positron Annihilation. <i>Kobunshi Ronbunshu</i> , 2012, 69, 443-447.	0.2	6
16	Glucose-assisted reduction achieved transparent p-type cuprous oxide thin film by a solution method. <i>Europhysics Letters</i> , 2016, 115, 37005.	2.0	6
17	Large Quadratic Electro-Optic Effect of the PLZT Thin Films for Optical Communication Integrated Devices. <i>ACS Photonics</i> , 2020, 7, 3166-3176.	6.6	6
18	Influence of MMT content on the microstructure and miscibility for PU/EP IPN nanocomposites by positron. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2007, 4, 3780-3784.	0.8	5

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19	Effect of the dispersion of organic rectorite on the nonisothermal crystallization kinetics and melting behaviors of nylon 6 nanocomposites. <i>Journal of Applied Polymer Science</i> , 2008, 110, 3149-3155.	2.6	4
20	Lanthanum modified lead zirconate titanate thin films by sol-gel and plasma annealing for integrated passive nanophotonic devices. <i>Optical Materials Express</i> , 2019, 9, 2279.	3.0	3
21	Influence of Free Volume on Damping Properties for CIIR and CIIR/PEA Investigated by Positron. <i>Materials Science Forum</i> , 0, 607, 91-93.	0.3	1
22	Investigation of Interfacial Interaction and Microstructure for Epoxy/CNTs Nanocomposites by PALS. <i>Materials Science Forum</i> , 0, 607, 183-185.	0.3	0
23	Investigation of Free Volume Size and Mechanical Properties for PolymethylMethacrylate/Organic Rectorite Composites by PALS. <i>Advanced Materials Research</i> , 0, 233-235, 1868-1871.	0.3	0