

Wen-Ying Zhou

List of Publications by Year in descending order

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76
papers

4,201
citations

126708

33
h-index

114278

63
g-index

78
all docs

78
docs citations

78
times ranked

3502
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated regulation of periclinal cell division by transcriptional module of BZR1 in <i>Arabidopsis</i> roots. <i>New Phytologist</i> , 2022, 233, 795-808.	3.5	13
2	Polymer composites filled with core-shell structured nanofillers: effects of shell thickness on dielectric and thermal properties of composites. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 5174-5189.	1.1	16
3	PVDF reinforced with core-shell structured Mo@MoO ₃ fillers: effects of semi-conductor MoO ₃ interlayer on dielectric properties of composites. <i>Journal of Polymer Research</i> , 2022, 29, 1.	1.2	11
4	Suppressed dielectric loss and enhanced breakdown strength in Ni/PVDF composites through constructing Al ₂ O ₃ shell as an interlayer. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 9951-9965.	1.1	5
5	Enhanced dielectric and thermal properties of Zn/PVDF composites by tailoring core@double-shell structured Zn particles. <i>Composites Part A: Applied Science and Manufacturing</i> , 2022, 157, 106947.	3.8	10
6	Towards inhibiting conductivity of Mo/PVDF composites through building MoO ₃ shell as an interlayer for enhanced dielectric properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 14735-14753.	1.1	20
7	Insights into Synchronously Enhanced Dielectric Properties and Thermal Conductivity of β -SiC _w /PVDF Nanocomposites by Building a Crystalline SiO ₂ Shell as an Interlayer. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 8043-8056.	1.8	4
8	Synchronous enhancements in dielectric performances and thermal conductivity of β -SiC _w /PVDF nanocomposites through building crystalline SiO ₂ shell as an interlayer. <i>Journal of Polymer Research</i> , 2022, 29, .	1.2	3
9	Toward enhancing dielectric properties and thermal conductivity of f-Cu/PVDF with PS as an interlayer. <i>Polymer-Plastics Technology and Materials</i> , 2021, 60, 680-693.	0.6	5
10	Synergy improvement of dielectric properties and thermal conductivity in PVDF composites with core-shell structured Ni@SiO ₂ . <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 4076-4089.	1.1	16
11	Flexible Daytime Radiative Cooling Enhanced by Enabling Three-Phase Composites with Scattering Interfaces between Silica Microspheres and Hierarchical Porous Coatings. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 19282-19290.	4.0	44
12	Concurrently improving dielectric properties and thermal conductivity of Ni/PVDF composites by constructing NiO shell as an interlayer. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 14764-14779.	1.1	6
13	Tailoring dielectric performance of Ni/poly(vinylidene fluoride) composites through constructing NiO shell as an interlayer. <i>Journal of Polymer Research</i> , 2021, 28, 1.	1.2	6
14	PVDF composites filled with core-shell fillers of Si@SiO ₂ , Si@SiO ₂ @PS: effects of multiple shells on dielectric properties and thermal conductivity. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 23429-23444.	1.1	5
15	Decoupling of inter-particle polarization and intra-particle polarization in core-shell structured nanocomposites towards improved dielectric performance. <i>Energy Storage Materials</i> , 2021, 42, 1-11.	9.5	133
16	Relaxation dynamics of Ni/epoxy composites studied by dielectric relaxation spectroscopy. <i>Journal of Elastomers and Plastics</i> , 2020, 52, 304-321.	0.7	3
17	Enhanced dielectric properties of PVDF nanocomposites with modified sandwich-like GO@PVP hybrids. <i>Polymer-Plastics Technology and Materials</i> , 2020, 59, 592-605.	0.6	4
18	High energy density and discharge efficiency polypropylene nanocomposites for potential high-power capacitor. <i>Energy Storage Materials</i> , 2020, 27, 443-452.	9.5	113

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19	Improved Dielectric Properties of Thermoplastic Polyurethane Elastomer Filled with Core@Shell Structured PDA@TiC Particles. <i>Materials</i> , 2020, 13, 3341.	1.3	24
20	Lightweight Porous Polystyrene with High Thermal Conductivity by Constructing 3D Interconnected Network of Boron Nitride Nanosheets. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 46767-46778.	4.0	85
21	Simultaneously enhanced impact strength and dielectric properties of an epoxy resin modified with <sc>EHTPB</sc> liquid rubber. <i>Polymer Engineering and Science</i> , 2020, 60, 1984-1997.	1.5	8
22	Concurrently enhanced dielectric properties and thermal conductivity in PVDF composites with core-shell structured $\text{I}^2\text{-SiCw@SiO}_2$ whiskers. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 137, 106021.	3.8	45
23	Ubiquitous Depression Detection of Sleep Physiological Data by Using Combination Learning and Functional Networks. <i>IEEE Access</i> , 2020, 8, 94220-94235.	2.6	14
24	Core@shell structured Al/PVDF nanocomposites with high dielectric permittivity but low loss and enhanced thermal conductivity. <i>Polymer Engineering and Science</i> , 2019, 59, 103-111.	1.5	28
25	Improved dielectric properties and thermal conductivity of PVDF composites filled with core@shell structured Cu@CuO particles. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 18350-18361.	1.1	37
26	Polymer composites filled with core@double-shell structured fillers: Effects of multiple shells on dielectric and thermal properties. <i>Composites Science and Technology</i> , 2019, 181, 107686.	3.8	99
27	Enhancement of breakdown strength of multilayer polymer film through electric field redistribution and defect modification. <i>Applied Physics Letters</i> , 2019, 114, 103702.	1.5	46
28	Surface modification of GO by PDA for dielectric material with well-suppressed dielectric loss. <i>High Performance Polymers</i> , 2019, 31, 1183-1194.	0.8	18
29	Effect of microscopic-ordered structures on intrinsic thermal conductivity of liquid-crystalline polysiloxane. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 8329-8338.	1.1	13
30	Mechanical and dielectric properties of epoxy composites filled with hybrid aluminum particles with binary size distribution. <i>High Performance Polymers</i> , 2019, 31, 124-134.	0.8	8
31	Hydrogen peroxide positively regulates brassinosteroid signaling through oxidation of the BRASSINAZOLE-RESISTANT1 transcription factor. <i>Nature Communications</i> , 2018, 9, 1063.	5.8	169
32	Dielectric studies of Al nanoparticle reinforced epoxy resin composites. <i>Polymer Composites</i> , 2018, 39, 887-894.	2.3	27
33	A novel fiber-reinforced silicone rubber composite with Al particles for enhanced dielectric and thermal properties. <i>Advances in Polymer Technology</i> , 2018, 37, 1507-1516.	0.8	13
34	Past and future on nanodielectrics. <i>IET Nanodielectrics</i> , 2018, 1, 41-47.	2.0	103
35	Comparative study on dynamic thermal-dielectric properties of epoxy composites with Al and Ni particles. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 13376-13388.	1.1	4
36	Enhanced mechanical and dielectric properties of an epoxy resin modified with hydroxyl-terminated polybutadiene. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 114, 97-106.	3.8	76

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37	Towards suppressing dielectric loss of GO/PVDF nanocomposites with TA-Fe coordination complexes as an interface layer. <i>Journal of Materials Science and Technology</i> , 2018, 34, 2415-2423.	5.6	29
38	Dynamic thermal-dielectric behavior of core-shell structured aluminum particle-reinforced epoxy composites. <i>High Performance Polymers</i> , 2017, 29, 3-12.	0.8	14
39	Thermal, mechanical, and dielectric properties of epoxy resin modified using carboxyl-terminated polybutadiene liquid rubber. <i>Journal of Elastomers and Plastics</i> , 2017, 49, 281-297.	0.7	17
40	Towards suppressing loss tangent: Effect of SiO ₂ coating layer on dielectric properties of core-shell structure flaky Cu reinforced PVDF composites. <i>Journal of Alloys and Compounds</i> , 2017, 710, 47-56.	2.8	47
41	Dielectric properties and thermal conductivity of core-shell structured Ni@NiO/poly(vinylidene fluoride) epoxy composites. <i>Journal of Alloys and Compounds</i> , 2017, 710, 47-56.	2.8	110
42	Heat conductive BN/CTPB/epoxy with enhanced dielectric properties for potential high voltage applications. <i>High Voltage</i> , 2017, 2, 172-178.	2.7	32
43	Dielectric spectroscopy characterization of relaxation process in Ni/epoxy composites. <i>Journal of Alloys and Compounds</i> , 2016, 682, 738-745.	2.8	84
44	Dielectric relaxation dynamics of Al/epoxy micro-composites. <i>Journal of Alloys and Compounds</i> , 2016, 689, 342-349.	2.8	21
45	Mechanical and Electrical Properties of Aluminum/Epoxy Nanocomposites. <i>Journal of Electronic Materials</i> , 2016, 45, 5885-5894.	1.0	7
46	Epoxy Composites with Added Aluminum with Binary Particle Size Distribution for Enhanced Dielectric Properties and Thermal Conductivity. <i>Journal of Electronic Materials</i> , 2016, 45, 5974-5984.	1.0	15
47	A Carboxyl-Terminated Polybutadiene Liquid Rubber Modified Epoxy Resin with Enhanced Toughness and Excellent Electrical Properties. <i>Journal of Electronic Materials</i> , 2016, 45, 3776-3785.	1.0	23
48	Temperature-Dependent Dielectric Properties of Al/Epoxy Nanocomposites. <i>Journal of Electronic Materials</i> , 2016, 45, 3069-3078.	1.0	12
49	High dielectric permittivity and low loss in PVDF filled by core-shell Zn@ZnO particles. <i>Journal of Polymer Research</i> , 2016, 23, 1.	1.2	28
50	Enhanced thermal conductivity and dielectric properties of Al/SiCw/PVDF composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 71, 184-191.	3.8	122
51	Enhanced dielectric properties and thermal conductivity of Al/CNTs/PVDF ternary composites. <i>Journal of Reinforced Plastics and Composites</i> , 2015, 34, 1126-1135.	1.6	33
52	Dielectric properties and thermal conductivity of PVDF reinforced with three types of Zn particles. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 79, 183-191.	3.8	96
53	Thermal, electrical, and mechanical properties of hexagonal boron nitride reinforced epoxy composites. <i>Journal of Composite Materials</i> , 2014, 48, 2517-2526.	1.2	92
54	Fabrication, thermal, and dielectric properties of self-passivated Al/epoxy nanocomposites. <i>Journal of Materials Science</i> , 2013, 48, 7960-7968.	1.7	42

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55	Mechanical, thermal and electrical properties of epoxy modified with a reactive hydroxyl-terminated polystyrene-butadiene liquid rubber. <i>Journal of Reinforced Plastics and Composites</i> , 2013, 32, 1359-1369.	1.6	26
56	Thermal conductivity and dielectric properties of Al/PVDF composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2012, 43, 658-664.	3.8	155
57	Mechanical and dielectric properties of epoxy resin modified using reactive liquid rubber (HTPB). <i>Journal of Applied Polymer Science</i> , 2012, 124, 4346-4351.	1.3	66
58	Effect of coupling agents on the thermal conductivity of aluminum particle/epoxy resin composites. <i>Journal of Materials Science</i> , 2011, 46, 3883-3889.	1.7	94
59	Thermal and dielectric properties of the aluminum particle reinforced linear low-density polyethylene composites. <i>Polymer Engineering and Science</i> , 2011, 51, 917-924.	1.5	22
60	Thermal and dielectric properties of the AlN particles reinforced linear low-density polyethylene composites. <i>Thermochimica Acta</i> , 2011, 512, 183-188.	1.2	109
61	Thermal and dielectric properties of the aluminum particle/epoxy resin composites. <i>Journal of Applied Polymer Science</i> , 2010, 118, 3156-3166.	1.3	76
62	Thermal, dielectric, and mechanical properties of SiC particles filled linear low-density polyethylene composites. <i>Journal of Applied Polymer Science</i> , 2009, 112, 1695-1703.	1.3	86
63	Thermal, electrical, and mechanical properties of Si ₃ N ₄ filled LLDPE composite. <i>Polymer Composites</i> , 2009, 30, 866-871.	2.3	23
64	A novel fiber-reinforced polyethylene composite with added silicon nitride particles for enhanced thermal conductivity. <i>Composites Part A: Applied Science and Manufacturing</i> , 2009, 40, 830-836.	3.8	257
65	A Novel Polymeric Coating with High Thermal Conductivity. <i>Polymer-Plastics Technology and Engineering</i> , 2009, 48, 1230-1238.	1.9	14
66	Toughened epoxy resin matrix for a membrane shell by wet filament winding. <i>Journal of Applied Polymer Science</i> , 2009, 111, 255-263.	1.3	10
67	Effect of filler size distribution on the mechanical and physical properties of alumina-filled silicone rubber. <i>Polymer Engineering and Science</i> , 2008, 48, 1381-1388.	1.5	71
68	Thermal Properties of Heat Conductive Silicone Rubber Filled with Hybrid Fillers. <i>Journal of Composite Materials</i> , 2008, 42, 173-187.	1.2	78
69	Novel heat-conductive composite silicone rubber. <i>Journal of Applied Polymer Science</i> , 2007, 104, 2478-2483.	1.3	86
70	Effect of the particle size of Al ₂ O ₃ on the properties of filled heat-conductive silicone rubber. <i>Journal of Applied Polymer Science</i> , 2007, 104, 1312-1318.	1.3	244
71	Study on insulating thermal conductive BN/HDPE composites. <i>Thermochimica Acta</i> , 2007, 452, 36-42.	1.2	188
72	Thermally conductive silicone rubber reinforced with boron nitride particle. <i>Polymer Composites</i> , 2007, 28, 23-28.	2.3	190

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73	Effect of grafting alkoxy silane on the surface properties of Kevlar fiber. <i>Polymer Composites</i> , 2007, 28, 412-416.	2.3	51
74	Thermal conductivity of boron nitride reinforced polyethylene composites. <i>Materials Research Bulletin</i> , 2007, 42, 1863-1873.	2.7	262
75	A comparative study on dielectric properties of PVDF/GO nanosheets encapsulated with different organic insulating shell. <i>Polymer-Plastics Technology and Materials</i> , 0, , 1-15.	0.6	2
76	Towards synchronously improving dielectric performances and thermal conductivity in Ni/PVDF by tailoring core-shell structured Ni@NiO particles. <i>High Performance Polymers</i> , 0, , 095400832211113.	0.8	5