

Ling Weng

List of Publications by Year in descending order

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68
papers

1,225
citations

471509

17
h-index

414414

32
g-index

68
all docs

68
docs citations

68
times ranked

1279
citing authors

#	ARTICLE	IF	CITATIONS
1	Interfacially reinforced unsaturated polyester carbon fiber composites with a vinyl ester-carbon nanotubes sizing agent. <i>Composites Science and Technology</i> , 2018, 164, 195-203.	7.8	173
2	Electrically Insulated Epoxy Nanocomposites Reinforced with Synergistic Core-Shell SiO ₂ @MWCNTs and Montmorillonite Bifillers. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1700357.	2.2	161
3	Preparation of PI porous fiber membrane for recovering oil-paper insulation structure. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 13344-13351.	2.2	104
4	A highly stretchable, sensing durability, transparent, and environmentally stable ion conducting hydrogel strain sensor built by interpenetrating Ca ²⁺ -SA and glycerol-PVA double physically cross-linked networks. <i>Advanced Composites and Hybrid Materials</i> , 2022, 5, 1712-1729.	21.1	57
5	The effect of B ₄ C on the microstructure and thermo-mechanical properties of HfB ₂ -based ceramics. <i>Journal of Alloys and Compounds</i> , 2009, 473, 314-318.	5.5	43
6	Ultra-sensitive flexible sandwich structural strain sensors based on a silver nanowire supported PDMS/PVDF electrospun membrane substrate. <i>Journal of Materials Chemistry C</i> , 2021, 9, 2752-2762.	5.5	41
7	Thermally conductive epoxy/boron nitride composites with high glass transition temperatures for thermal interface materials. <i>Materials and Design</i> , 2021, 212, 110190.	7.0	36
8	Low dielectric constant and high toughness epoxy resin based on hyperbranched polyester grafted by flexible chain modified. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 5936-5946.	2.2	31
9	Durable and highly sensitive flexible sensors for wearable electronic devices with PDMS-MXene/TPU composite films. <i>Ceramics International</i> , 2022, 48, 4977-4985.	4.8	29
10	Microstructures, electrical behavior and energy storage properties of Ag@shell/PVDF-based polymers: different effects between an organic polydopamine shell and inorganic zinc oxide shell. <i>Journal of Materials Science</i> , 2020, 55, 15238-15251.	3.7	26
11	Design and preparation of ultra-thin 2D Ag-NiMOF ferroelectric nanoplatelets for PVDF based dielectric composites. <i>Materials and Design</i> , 2021, 197, 109241.	7.0	25
12	Preparation and properties of boron nitride/epoxy composites with high thermal conductivity and electrical insulation. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 14267-14276.	2.2	24
13	Graphene@poly(dopamine)-Ag core-shell nanoplatelets as fillers to enhance the dielectric performance of polymer composites. <i>Journal of Materials Science</i> , 2020, 55, 7665-7679.	3.7	24
14	The effect of Ag@SiO ₂ core-shell nanoparticles on the dielectric properties of PVDF based nanocomposites. <i>Polymer Composites</i> , 2020, 41, 2245-2253.	4.6	24
15	Bimetallic organic framework NiFeMOF driven by tiny Ag particles for PVDF dielectric composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021, 147, 106432.	7.6	22
16	Vitrimeric silicone composite with high thermal conductivity and high repairing efficiency as thermal interface materials. <i>Journal of Colloid and Interface Science</i> , 2022, 620, 273-283.	9.4	21
17	Enhanced dielectric performance of TPU composites filled with Graphene@poly(dopamine)-Ag core-shell nanoplatelets as fillers. <i>Polymer Testing</i> , 2020, 90, 106671.	4.8	20
18	Enhancement in energy storage density of polyvinylidene fluoride composites by introduced rod-like core-shell Ag@Al ₂ O ₃ nanorods. <i>Polymer</i> , 2018, 148, 39-48.	3.8	19

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19	Enhanced energy storage efficiency in PVDF based composite films using MnO ₂ nano-fillers. Journal of Materials Science: Materials in Electronics, 2020, 31, 18336-18343.	2.2	18
20	Polarization and space charge performance in PVDF with MPB composition BCZT doped composite films. Journal of Applied Polymer Science, 2017, 134, 45362.	2.6	17
21	Synthesis and properties of cyanate mixed resin systems modified by polyphenylene oxide for production of high-frequency copper clad laminates. Journal of Materials Science: Materials in Electronics, 2018, 29, 2831-2840.	2.2	17
22	Synthesis and properties of cured epoxy mixed resin systems modified by polyphenylene oxide for production of high-frequency copper clad laminates. Polymer Composites, 2018, 39, E2334.	4.6	16
23	Flame-Retardant Mechanism of Benzoxazine Resin with Triazine Structure. Advances in Polymer Technology, 2018, 37, 384-389.	1.7	15
24	Dielectrical properties of graphite nanosheets/PVDF composites regulated by coupling agent. Materials Today Communications, 2019, 21, 100705.	1.9	15
25	Sandwich-structured PPy/TiO ₂ /PVDF composite films with outstanding dielectric properties and energy density. IET Nanodielectrics, 2022, 5, 85-92.	4.1	15
26	The Effects of Particle Size on the Morphology and Properties of Polyimide/Nano-Al ₂ O ₃ Composite Films. Polymers and Polymer Composites, 2014, 22, 117-122.	1.9	14
27	In situ preparation of polyimide/titanium carbide composites with enhanced dielectric constant. Polymer Composites, 2016, 37, 125-130.	4.6	14
28	A study on the structure and properties of poly(vinylidene fluoride)/graphite micro-sheet composite films. Journal of Composite Materials, 2017, 51, 3769-3778.	2.4	14
29	Preparation and characterization of multi shape ZnO/PVDF composite materials. Journal Wuhan University of Technology, Materials Science Edition, 2017, 32, 958-962.	1.0	11
30	Improvement of graphene oxide/epoxy resin adhesive properties through interface modification. High Performance Polymers, 2019, 31, 341-349.	1.8	11
31	In situ anchor of magnetic Fe ₃ O ₄ nanoparticles onto natural maifanite as efficient heterogeneous Fenton-like catalyst. Frontiers of Materials Science, 2016, 10, 300-309.	2.2	10
32	Improved Thermal Conductivities of Epoxy Resins Containing Surface Functionalized BN Nanosheets. Nano, 2018, 13, 1850133.	1.0	10
33	A special filler for epoxy resin to enhance the T peel strength of adhesive. Polymer Composites, 2020, 41, 4372-4378.	4.6	9
34	Study on low dielectric laminate modified by hyperbranched polyester of caprylic acid and hexanoic acid co-blocking. Journal of Materials Science: Materials in Electronics, 2020, 31, 5068-5076.	2.2	9
35	Preparation and electrical properties of 4-acetoxystyrene grafted polypropylene for HVDC cable insulation. Journal of Materials Science: Materials in Electronics, 2020, 31, 3890-3898.	2.2	9
36	Preparation and properties of polyimide/silver foams using a direct ion exchange method. Journal of Porous Materials, 2017, 24, 403-409.	2.6	8

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37	Effects of interface bonding on the corona resistance of the polyimide/nano-Al ₂ O ₃ three-layer composite films. High Performance Polymers, 2018, 30, 1240-1246.	1.8	8
38	The preparation and application of CTBN modified epoxy adhesive. Pigment and Resin Technology, 2015, 44, 358-363.	0.9	7
39	High thermal conductivity EP adhesive based on the GO/EP interface optimized by TDI. Polymers for Advanced Technologies, 2020, 31, 1356-1364.	3.2	7
40	Enhanced energy storage performance of PVDF composite films with Na _{0.5} Bi _{0.5} TiO ₃ particles. Journal of Materials Science: Materials in Electronics, 2021, 32, 28129-28143.	2.2	6
41	Research on structure and properties of MWCNT@PDA/polymer matrix composite films with enhanced energy storage performance. Polymer Engineering and Science, 2022, 62, 1281-1293.	3.1	6
42	Preparation, Morphology and Properties of Nano-silica-alumina Co-doped Polyimide Three-layer Composite Films. Polymers and Polymer Composites, 2011, 19, 189-196.	1.9	5
43	Preparation and characterization of silica/polyimide nanocomposite films based on water-soluble poly(amic acid) ammonium salt. Polymer Composites, 2017, 38, 774-781.	4.6	5
44	The electrical properties enhance of BEP laminate employing HBP blocking by hexanoic acid. Journal of Materials Science: Materials in Electronics, 2018, 29, 15147-15155.	2.2	5
45	Environmental Resistance and Fatigue Behaviors of Epoxy/Nano-Boron Nitride Thermally Conductive Structural Film Adhesive Toughened by Polyphenoxy. Polymers, 2021, 13, 3253.	4.5	5
46	High toughness, thermal resistance and excellent dielectric properties phenolic epoxy vinyl ester resin modified by hyperbranched polyimide. Pigment and Resin Technology, 2022, 51, 441-448.	0.9	5
47	Fabrication and plasma arc thermal shock resistance of HfB ₂ -based ultra high temperature ceramics. Journal of Central South University, 2012, 19, 887-891.	3.0	4
48	Preparation and properties of polyvinylidene fluoride/tetra-needle like-zinc oxide whisker composites. Advances in Polymer Technology, 2018, 37, 1658-1664.	1.7	4
49	Evaluation of low dielectric constant epoxy vinyl ester resin modified by hyperbranched unsaturated polyester of acroleic acid and n-hexanoic acid co-blocking. Journal of Materials Science: Materials in Electronics, 2020, 31, 9176-9184.	2.2	4
50	Preparation and Electrical Properties of 4-allyloxy-2-hydroxybenzophenone Grafted Polypropylene for HVDC Cables. Journal of Electronic Materials, 2021, 50, 6228-6236.	2.2	4
51	Excellent electrical performance and thermal properties insulation paper based on polyimide porous fiber membrane modified by nano-SiO ₂ . Journal of Materials Science: Materials in Electronics, 2021, 32, 26548-26554.	2.2	4
52	Block polypropylene/styrene-ethylene-butylene-styrene tri-block copolymer blends for recyclable HVDC cable insulation. Materials Research Express, 2020, 7, 085301.	1.6	4
53	Nanoarchitectonics of BN/AgNWs/Epoxy Composites with High Thermal Conductivity and Electrical Insulation. Polymers, 2021, 13, 4417.	4.5	4
54	Preparation of low contact angle TiO ₂ @polyester@core-shell-emulsions employing ultrasonic irradiation. Materials Letters, 2014, 132, 397-400.	2.6	3

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55	Synthesis of Ag@Al ₂ O ₃ core-shell structure nanoparticles and their enhancement effect on dielectric properties for Ag@Al ₂ O ₃ /polyimide nanocomposites. Journal Wuhan University of Technology, Materials Science Edition, 2015, 30, 47-50.	1.0	3
56	Preparation of water-soluble electrical steel coating with SiO ₂ modified by glycine. Polymer Composites, 2018, 39, 1255-1260.	4.6	3
57	A foldable high transparent fluorinated polyimide (HFBAPP/6FDA) film material for transparent flexible substrate. Polimeros, 2021, 31, .	0.7	3
58	High toughness and excellent electrical performance bismaleimide resin modified by hyperbranched unsaturated polyester of flexible aliphatic side chains. High Performance Polymers, 2021, 33, 695-703.	1.8	3
59	Preparation and dielectric properties of multilayer Ag@FeNi-MOF/PVDF composites. Journal of Materials Science: Materials in Electronics, 2022, 33, 5311-5324.	2.2	3
60	Mechanical and thermal properties of synergistic modification of bismaleimide polymer composites with nano-SiO ₂ and hyperbranched polyimide. Polymer Composites, 2022, 43, 7200-7210.	4.6	3
61	Effect of Al ₂ O ₃ -coated SiO ₂ on properties of Al ₂ O ₃ -coated SiO ₂ /PI composite films. Iranian Polymer Journal (English Edition), 2014, 23, 987-994.	2.4	2
62	Investigation of morphology and dielectric properties of PVDF composite films reinforced with MWCNT@PDA core-shell nanorods. Journal of Materials Science: Materials in Electronics, 2022, 33, 6842-6855.	2.2	2
63	Preparation, microstructures and properties of lotus-shaped Zinc oxide/PVDF composite materials. , 2015, , .		1
64	The effect of SiO ₂ /Al ₂ O ₃ weight ratio on the morphological and properties of polyimide/SiO ₂ -Al ₂ O ₃ ternary hybrid films. , 2009, , .		0
65	Investigation on the morphology and properties of PI/SiO ₂ -Al ₂ O ₃ composite films. , 2010, , .		0
66	Preparation and dielectric properties of nano-TiC/polyimide composite films as embedded-capacitor application. , 2013, , .		0
67	Influence of dispersion methods of inorganic powders on performance of PI/Al ₂ O ₃ composite films. , 2015, , .		0
68	Thermal conductivity and dielectric properties of high thermal conductive adhesives in the large generator insulation materials. Electrical Engineering, 0, , 1.	2.0	0