

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	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
2	Preparation and dielectric properties of multilayer Ag@FeNi-MOF/PVDF composites. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 5311-5324.	2.2	3
3	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
4	Research on structure and properties of MWCNT@PDA/polymer matrix composite films with enhanced energy storage performance. <i>Polymer Engineering and Science</i> , 2022, 62, 1281-1293.	3.1	6
5	Investigation of morphology and dielectric properties of PVDF composite films reinforced with MWCNT@PDA core-shell nanorods. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 6842-6855.	2.2	2
6	Sandwich-structured PPy/TiO ₂ /PVDF composite films with outstanding dielectric properties and energy density. <i>IET Nanodielectrics</i> , 2022, 5, 85-92.	4.1	15
7	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
8	High toughness, thermal resistance and excellent dielectric properties phenolic epoxy vinyl ester resin modified by hyperbranched polyimide. <i>Pigment and Resin Technology</i> , 2022, 51, 441-448.	0.9	5
9	Mechanical and thermal properties of synergistic modification of bismaleimide polymer composites with nano-SiO ₂ and hyperbranched polyimide. <i>Polymer Composites</i> , 2022, 43, 7200-7210.	4.6	3
10	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
11	A foldable high transparent fluorinated polyimide (HFBAPP/6FDA) film material for transparent flexible substrate. <i>Polimeros</i> , 2021, 31, .	0.7	3
12	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
13	High toughness and excellent electrical performance bismaleimide resin modified by hyperbranched unsaturated polyester of flexible aliphatic side chains. <i>High Performance Polymers</i> , 2021, 33, 695-703.	1.8	3
14	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
15	Preparation and Electrical Properties of 4-allyloxy-2-hydroxybenzophenone Grafted Polypropylene for HVDC Cables. <i>Journal of Electronic Materials</i> , 2021, 50, 6228-6236.	2.2	4
16	Excellent electrical performance and thermal properties insulation paper based on polyimide porous fiber membrane modified by nano-SiO ₂ . <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 26548-26554.	2.2	4
17	Environmental Resistance and Fatigue Behaviors of Epoxy/Nano-Boron Nitride Thermally Conductive Structural Film Adhesive Toughened by Polyphenoxy. <i>Polymers</i> , 2021, 13, 3253.	4.5	5
18	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

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19	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
20	Nanoarchitectonics of BN/AgNWs/Epoxy Composites with High Thermal Conductivity and Electrical Insulation. Polymers, 2021, 13, 4417.	4.5	4
21	Preparation of PI porous fiber membrane for recovering oil-paper insulation structure. Journal of Materials Science: Materials in Electronics, 2020, 31, 13344-13351.	2.2	104
22	A special filler for epoxy resin to enhance the T peel strength of adhesive. Polymer Composites, 2020, 41, 4372-4378.	4.6	9
23	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. Journal of Materials Science, 2020, 55, 15238-15251.	3.7	26
24	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
25	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
26	Enhanced dielectric performance of TPU composites filled with Graphene@poly(dopamine)-Ag core-shell nanoplatelets as fillers. Polymer Testing, 2020, 90, 106671.	4.8	20
27	Graphene@poly(dopamine)-Ag core-shell nanoplatelets as fillers to enhance the dielectric performance of polymer composites. Journal of Materials Science, 2020, 55, 7665-7679.	3.7	24
28	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
29	The effect of Ag@SiO ₂ core-shell nanoparticles on the dielectric properties of PVDF based nanocomposites. Polymer Composites, 2020, 41, 2245-2253.	4.6	24
30	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
31	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
32	Block polypropylene/styrene-ethylene-butylene-styrene tri-block copolymer blends for recyclable HVDC cable insulation. Materials Research Express, 2020, 7, 085301.	1.6	4
33	Low dielectric constant and high toughness epoxy resin based on hyperbranched polyester grafted by flexible chain modified. Journal of Materials Science: Materials in Electronics, 2019, 30, 5936-5946.	2.2	31
34	Dielectrical properties of graphite nanosheets/PVDF composites regulated by coupling agent. Materials Today Communications, 2019, 21, 100705.	1.9	15
35	Improvement of graphene oxide/epoxy resin adhesive properties through interface modification. High Performance Polymers, 2019, 31, 341-349.	1.8	11
36	Preparation of water-soluble electrical steel coating with SiO ₂ modified by glycine. Polymer Composites, 2018, 39, 1255-1260.	4.6	3

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37	Flame-Retardant Mechanism of Benzoxazine Resin with Triazine Structure. <i>Advances in Polymer Technology</i> , 2018, 37, 384-389.	1.7	15
38	Effects of interface bonding on the corona resistance of the polyimide/nano-Al ₂ O ₃ three-layer composite films. <i>High Performance Polymers</i> , 2018, 30, 1240-1246.	1.8	8
39	Synthesis and properties of cured epoxy mixed resin systems modified by polyphenylene oxide for production of high-frequency copper clad laminates. <i>Polymer Composites</i> , 2018, 39, E2334.	4.6	16
40	Synthesis and properties of cyanate mixed resin systems modified by polyphenylene oxide for production of high-frequency copper clad laminates. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 2831-2840.	2.2	17
41	Preparation and properties of polyvinylidene fluoride/tetra-needle like-zinc oxide whisker composites. <i>Advances in Polymer Technology</i> , 2018, 37, 1658-1664.	1.7	4
42	Improved Thermal Conductivities of Epoxy Resins Containing Surface Functionalized BN Nanosheets. <i>Nano</i> , 2018, 13, 1850133.	1.0	10
43	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
44	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
45	The electrical properties enhance of BEP laminate employing HBP blocking by hexanoic acid. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 15147-15155.	2.2	5
46	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
47	Preparation and characterization of silica/polyimide nanocomposite films based on water-soluble poly(amic acid) ammonium salt. <i>Polymer Composites</i> , 2017, 38, 774-781.	4.6	5
48	A study on the structure and properties of poly(vinylidene fluoride)/graphite micro-sheet composite films. <i>Journal of Composite Materials</i> , 2017, 51, 3769-3778.	2.4	14
49	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
50	Preparation and characterization of multi shape ZnO/PVDF composite materials. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2017, 32, 958-962.	1.0	11
51	Polarization and space charge performance in PVDF with MPB composition BCZT doped composite films. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45362.	2.6	17
52	Preparation and properties of polyimide/silver foams using a direct ion exchange method. <i>Journal of Porous Materials</i> , 2017, 24, 403-409.	2.6	8
53	In situ preparation of polyimide/titanium carbide composites with enhanced dielectric constant. <i>Polymer Composites</i> , 2016, 37, 125-130.	4.6	14
54	In situ anchor of magnetic Fe ₃ O ₄ nanoparticles onto natural maifanite as efficient heterogeneous Fenton-like catalyst. <i>Frontiers of Materials Science</i> , 2016, 10, 300-309.	2.2	10

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55	Preparation, microstructures and properties of lotus-shaped Zinc oxide/PVDF composite materials. , 2015, , .		1
56	Influence of dispersion methods of inorganic powders on performance of PI/Al ₂ O ₃ composite films. , 2015, , .		0
57	The preparation and application of CTBN modified epoxy adhesive. Pigment and Resin Technology, 2015, 44, 358-363.	0.9	7
58	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
59	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
60	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
61	Preparation of low contact angle TiO ₂ “polyester”core-shell”emulsions employing ultrasonic irradiation. Materials Letters, 2014, 132, 397-400.	2.6	3
62	Preparation and dielectric properties of nano-TiC/polyimide composite films as embedded-capacitor application. , 2013, , .		0
63	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
64	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
65	Investigation on the morphology and properties of PI/SiO ₂ -Al ₂ O ₃ composite films. , 2010, , .		0
66	The effect of B ₄ C on the microstructure and thermo-mechanical properties of HfB ₂ -based ceramics. Journal of Alloys and Compounds, 2009, 473, 314-318.	5.5	43
67	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
68	Thermal conductivity and dielectric properties of high thermal conductive adhesives in the large generator insulation materials. Electrical Engineering, 0, , 1.	2.0	0