

Ke Yang

List of Publications by Year in Descending Order

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Version: 2024-04-25

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

40
papers

2,045
citations

17
h-index

42
g-index

42
ext. papers

2,324
ext. citations

4.7
avg, IF

4.87
L-index

#	Paper	IF	Citations
40	Achieving highly thermal conductivity of polymer composites by adding hybrid silver-carbon fiber fillers. <i>Composites Communications</i> , 2022 , 31, 101129	6.7	1
39	Enhanced dielectric constant and suppressed electrical conductivity in polymer nanocomposite films via loading MXene/TiO ₂ /MoS ₂ nanosheets. <i>Ceramics International</i> , 2022 , 48, 10447-10457	5.1	1
38	Polyethylene Glycol-Calcium Chloride Phase Change Materials with High Thermal Conductivity and Excellent Shape Stability by Introducing Three-Dimensional Carbon/Carbon Fiber Felt.. <i>ACS Omega</i> , 2021 , 6, 33033-33045	3.9	1
37	3D Thermal Network Supported by CF Felt for Improving the Thermal Performance of CF/C/Epoxy Composites. <i>Polymers</i> , 2021 , 13,	4.5	8
36	A new strategy for high-performance electromagnetic interference shielding by designing a layered double-percolated structure in PS/PVDF/MXene composites. <i>European Polymer Journal</i> , 2021 , 151, 110450	5.2	3
35	Recent developments on epoxy-based syntactic foams for deep sea exploration. <i>Journal of Materials Science</i> , 2021 , 56, 2037-2076	4.3	11
34	Epoxy composites with high cross-plane thermal conductivity by constructing all-carbon multidimensional carbon fiber/graphite networks. <i>Composites Science and Technology</i> , 2021 , 203, 108610	8.6	23
33	Carbon Fiber Reinforced Multi-Phase Epoxy Syntactic Foam (CFR-Epoxy-Hardener/HGMS/Aerogel-R-Hollow Epoxy Macrosphere(AR-HEMS)). <i>Polymers</i> , 2021 , 13,	4.5	2
32	Epoxy Composites with High Thermal Conductivity by Constructing Three-Dimensional Carbon Fiber/Carbon/Nickel Networks Using an Electroplating Method. <i>ACS Omega</i> , 2021 , 6, 19238-19251	3.9	8
31	Epoxy composite with high thermal conductivity by constructing 3D-oriented carbon fiber and BN network structure.. <i>RSC Advances</i> , 2021 , 11, 25422-25430	3.7	1
30	Core-shell Structured Ag@PDA Nanowires and BT@PDA Nanoparticles for Three-phase Flexible Polymer Nanocomposites with Excellent Dielectric Properties. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2021 , 28, 1909-1916	2.3	2
29	Development and Mechanical Characterization of HGMS-EHS-Reinforced Hollow Glass Bead Composites. <i>ACS Omega</i> , 2020 , 5, 6725-6737	3.9	4
28	Preparation and Mechanical Properties of Carbon Fiber Reinforced Multiphase Epoxy Syntactic Foam (CF-R-Epoxy/HGMS/CFR-HEMS Foam). <i>ACS Omega</i> , 2020 , 5, 14133-14146	3.9	4
27	Poly(vinylidene fluoride-co-hexafluoropropylene)-MXene Nanosheet Composites for Microcapacitors. <i>ACS Applied Nano Materials</i> , 2020 , 3, 7992-8003	5.6	15
26	Fabrication and Study on Thermal Conductivity, Electrical Properties, and Mechanical Properties of the Lightweight Carbon/Carbon Fiber Composite. <i>Journal of Chemistry</i> , 2020 , 2020, 1-15	2.3	0
25	Efficient Gold-Palladium Nanoparticles Stabilized by Poly(amic acid) Salt: Synthesis and Application in Catalytic Oxidation of Amines to Imines. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020 , 30, 1384-1392	3.2	2
24	Poly (amic acid) Salt-stabilized Au-Ag Alloy Nanoparticles as Efficient and Recyclable Quasi-homogeneous Catalysts for the Imines Synthesis from Alcohols and Amines in Water. <i>ChemistrySelect</i> , 2019 , 4, 10401-10407	1.8	2

23	Core-shell structured Ag@C nanocables for flexible ferroelectric polymer nanodielectric materials with low percolation threshold and excellent dielectric properties. <i>RSC Advances</i> , 2018 , 8, 1-9	3.7	24
22	High thermal conductivity and high impact strength of epoxy nanodielectrics with functionalized halloysite nanotubes. <i>RSC Advances</i> , 2016 , 6, 69569-69579	3.7	6
21	Nanostructured electrical insulating epoxy thermosets with high thermal conductivity, high thermal stability, high glass transition temperatures and excellent dielectric properties. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2015 , 22, 906-915	2.3	23
20	Strawberry-like Core-shell Ag@Polydopamine@BaTiO ₃ Hybrid Nanoparticles for High-k Polymer Nanocomposites with High Energy Density and Low Dielectric Loss. <i>Advanced Materials Interfaces</i> , 2015 , 2, 1500361	4.6	107
19	Energy storage in ferroelectric polymer nanocomposites filled with core-shell structured polymer@BaTiO ₃ nanoparticles: understanding the role of polymer shells in the interfacial regions. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 19644-54	9.5	127
18	Role of interface in highly filled epoxy/BaTiO ₃ nanocomposites. Part II- effect of nanoparticle surface chemistry on processing, thermal expansion, energy storage and breakdown strength of the nanocomposites. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2014 , 21, 480-487	2.3	40
17	Fluoro-polymer functionalized graphene for flexible ferroelectric polymer-based high-k nanocomposites with suppressed dielectric loss and low percolation threshold. <i>Nanoscale</i> , 2014 , 6, 14740-53	7.7	121
16	Grafting to route to PVDF-HFP-GMA/BaTiO ₃ nanocomposites with high dielectric constant and high thermal conductivity for energy storage and thermal management applications. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 5244	13	167
15	Combining RAFT polymerization and thiol-ene click reaction for core-shell structured polymer@BaTiO ₃ nanodielectrics with high dielectric constant, low dielectric loss, and high energy storage capability. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 1812-22	9.5	145
14	Role of interface in highly filled epoxy/BaTiO ₃ nanocomposites. Part I-correlation between nanoparticle surface chemistry and nanocomposite dielectric property. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2014 , 21, 467-479	2.3	45
13	 Structured BaTiO ₃ /Polymer Nanocomposites with High Dielectric Constant and Low Dielectric Loss for Energy Storage Application. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 22525-22537	3.8	195
12	Switching preorganization and thermoresponsive behavior of a water-soluble polymer via light-tunable hydrogen bonding. <i>Soft Matter</i> , 2013 , 9, 4036	3.6	10
11	Graphene oxide-encapsulated carbon nanotube hybrids for high dielectric performance nanocomposites with enhanced energy storage density. <i>Nanoscale</i> , 2013 , 5, 3847-55	7.7	157
10	Fluoro-Polymer@BaTiO ₃ Hybrid Nanoparticles Prepared via RAFT Polymerization: Toward Ferroelectric Polymer Nanocomposites with High Dielectric Constant and Low Dielectric Loss for Energy Storage Application. <i>Chemistry of Materials</i> , 2013 , 25, 2327-2338	9.6	272
9	Core-shell structured hyperbranched aromatic polyamide/BaTiO ₃ hybrid filler for poly(vinylidene fluoride-trifluoroethylene-chlorofluoroethylene) nanocomposites with the dielectric constant comparable to that of percolative composites. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 1747-56	9.5	142
8	Hyperbranched-polymer functionalization of graphene sheets for enhanced mechanical and dielectric properties of polyurethane composites. <i>Journal of Materials Chemistry</i> , 2012 , 22, 7010		217
7	Core-shell structured polystyrene/BaTiO ₃ hybrid nanodielectrics prepared by in situ RAFT polymerization: a route to high dielectric constant and low loss materials with weak frequency dependence. <i>Macromolecular Rapid Communications</i> , 2012 , 33, 1921-6	4.8	111
6	Modulating structural stability and acid sensitivity of photosensitive polymer micelles simply via one-batch UV irradiation. <i>Journal of Polymer Science Part A</i> , 2012 , 50, 2878-2888	2.5	2

5	Sequence control over thermo-triggered micellization and smart nanogels of copolymers based on PEGMA and aldehyde-functionalized monomer. <i>Soft Matter</i> , 2011 , 7, 5861	3.6	9
4	Thermally Induced Swellability and Acid-Liable Dynamic Properties of Microgels of Copolymers Based on PEGMA and Aldehyde-Functionalized Monomer. <i>Macromolecules</i> , 2010 , 43, 9511-9521	5.5	20
3	Facile Synthesis and Photo-Tunable Properties of a Photosensitive Polymer Whose Chromophores Bound with pH-Labile Cyclic Acetal Linkages. <i>Macromolecules</i> , 2008 , 41, 4597-4606	5.5	16
2	A study of preparation and properties of epoxy resin/carbon fiber/phenolic residual carbon composites with adjustable negative permittivity behavior. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> ,1-8	1.8	0
1	High thermal conductivity and low leakage phase change materials filled with three-dimensional carbon fiber network. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> ,1-10	1.8	1