

List of Publications by Citations

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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.

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|-------------------|-------------------------|----------------|-----------------|
| 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 | 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 |
| 39 | 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 |
| 38 | 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 |
| 37 | 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 |
| 36 | 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 |
| 35 | 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 |
| 34 | 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 |
| 33 | 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 |
| 32 | 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 | 7.3 | 121 |
| 31 | 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 |
| 30 | 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 |
| 29 | 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 |
| 28 | 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 |
| 27 | 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 |
| 26 | 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 |
| 25 | 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 |
| 24 | 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 |

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| 23 | 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 |
| 22 | Poly(vinylidene fluoride-co-hexafluoropropylene)-MXene Nanosheet Composites for Microcapacitors. <i>ACS Applied Nano Materials</i> , 2020 , 3, 7992-8003 | 5.6 | 15 |
| 21 | Recent developments on epoxy-based syntactic foams for deep sea exploration. <i>Journal of Materials Science</i> , 2021 , 56, 2037-2076 | 4.3 | 11 |
| 20 | 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 |
| 19 | 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 |
| 18 | 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 |
| 17 | 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 |
| 16 | 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 |
| 15 | Development and Mechanical Characterization of HGMS-EHS-Reinforced Hollow Glass Bead Composites. <i>ACS Omega</i> , 2020 , 5, 6725-6737 | 3.9 | 4 |
| 14 | 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 |
| 13 | 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 |
| 12 | 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 |
| 11 | 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 |
| 10 | 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 |
| 9 | 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 |
| 8 | 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 |
| 7 | 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 |
| 6 | 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 |

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| 5 | 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 |
| 4 | Achieving highly thermal conductivity of polymer composites by adding hybrid silverCarbon fiber fillers. <i>Composites Communications</i> , 2022 , 31, 101129 | 6.7 | 1 |
| 3 | 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 |
| 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 | 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 |