# Jing-hui Yang

List of Publications by Year
in descending order

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Effect of PEO crystallization on dielectric response of PVDF / PEO @ IL coaxial electrospinning nanofiber films. Journal of Applied Polymer Science, 2022, 139, 51832. | 1.3 | 0 |
| 2 | Multifunctional Phase Change Composites Based on Elastic MXene/Silver Nanowire Sponges for Excellent Thermal/Solar/Electric Energy Storage, Shape Memory, and Adjustable Electromagnetic Interference Shielding Functions. ACS Applied Materials & Interfaces, 2022, 14, 6057-6070. | 4.0 | 77 |
| 3 | Fabricating High-Thermal-Conductivity, High-Strength, and High-Toughness Polylactic Acid-Based Blend Composites <i>via</i> Constructing Multioriented Microstructures. Biomacromolecules, 2022, 23, 1789-1802. | 2.6 | 12 |
| 4 | Simultaneously Improved Dielectric Constant and Breakdown Strength of PVDF-based Composites with Polypyrrole Nanowire Encapsuled Molybdenum Disulfide Nanosheets. Chinese Journal of Polymer Science (English Edition), 2022, 40, 515-525. | 2.0 | 11 |
| 5 | Construction of a 3D interconnected boron nitride nanosheets in a PDMS matrix for high thermal conductivity and high deformability. Composites Science and Technology, 2022, 226, 109528. | 3.8 | 23 |
| 6 | Ultraflexible PEDOT:PSS/Helical Carbon Nanotubes Film for All-in-One Photothermoelectric Conversion. ACS Applied Materials & Interfaces, 2022, 14, 27083-27095. | 4.0 | 25 |
| 7 | Constructing cellulose nanocrystal/graphene nanoplatelet networks in phase change materials toward intelligent thermal management. Carbohydrate Polymers, 2021, 253, 117290. | 5.1 | 43 |
| 8 | Polypyrrole/Helical Carbon Nanotube Composite with Marvelous Photothermoelectric Performance for Longevous and Intelligent Internet of Things Application. ACS Applied Materials & Interfaces, 2021, 13, 8808-8822. | 4.0 | 29 |
| 9 | Highly thermally conductive epoxy composites with anti-friction performance achieved by carbon nanofibers assisted graphene nanoplatelets assembly. European Polymer Journal, 2021, 151, 110443. | 2.6 | 21 |
| 10 | Multi-directionally thermal conductive epoxy/boron nitride composites based on circinate vane type network. Composites Communications, 2021, 25, 100744. | 3.3 | 11 |
| 11 | Structural relaxation and dielectric response of PVDF/PMMA blend in the presence of graphene oxide. Polymer, 2021, 229, 123998. | 1.8 | 14 |
| 12 | Highly anisotropic thermal and electrical conductivities of nylon composite papers with the integration of strength and toughness. Journal of Materials Chemistry A, 2021, 9, 22982-22993. | 5.2 | 11 |
| 13 | Flexible, multifunctional, and thermally conductive nylon/graphene nanoplatelet composite papers with excellent EMI shielding performance, improved hydrophobicity and flame resistance. Journal of Materials Chemistry A, 2021, 9, 5033-5044. | 5.2 | 57 |
| 14 | Synchronously enhanced thermal properties and fracture toughness of epoxy composites through melamine foam templated dispersion of carbon nanofibers. Composites Communications, 2021, 28, 100977. | 3.3 | 7 |
| 15 | Selective localization of carbon nanotubes and its effect on the structure and properties of polymer blends. Progress in Polymer Science, 2021, 123, 101471. | 11.8 | 55 |
| 16 | Constructing the coreâ€“shell structured island domain in polymer blends to achieve high dielectric constant and low loss. Polymer International, 2020, 69, 228-238. | 1.6 | 8 |
| 17 | Achieving electrical insulation, high thermal conductivity and high fracture toughness in polyamide 6/carbon nanofiber composites through the interfacial welding effect of elastomer. Composites Part A: Applied Science and Manufacturing, 2020, 128, 105671. | 3.8 | 24 |
| 18 | Fabrication of Ag@BaTiO3 hybrid nanofibers via coaxial electrospinning toward polymeric composites with highly enhanced dielectric performances. Composites Communications, 2020, 21, 100411. | 3.3 | 22 |

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|---|---|---|---|
| 19 | Constructing a Microcapacitor Network of Carbon Nanotubes in Polymer Blends via Crystallization-Induced Phase Separation Toward High Dielectric Constant and Low Loss. ACS Applied Materials & Interfaces, 2020, 12, 26444-26454. | 4.0 | 23 |
| 20 | Improving the Performance of Dielectric Nanocomposites by Utilizing Highly Conductive Rigid Core and Extremely Low Loss Shell. Journal of Physical Chemistry C, 2020, 124, 12883-12896. | 1.5 | 10 |
| 21 | Fabrication of sandwich-structured PPy/MoS2/PPy nanosheets for polymer composites with high dielectric constant, low loss and high breakdown strength. Composites Part A: Applied Science and Manufacturing, 2020, 137, 106032. | 3.8 | 35 |
| 22 | Melamine foam and cellulose nanofiber co-mediated assembly of graphene nanoplatelets to construct three-dimensional networks towards advanced phase change materials. Nanoscale, 2020, 12, 4005-4017. | 2.8 | 74 |
| 23 | Achieving high performance poly(vinylidene fluoride) dielectric composites <i>via in situ</i> polymerization of polypyrrole nanoparticles on hydroxylated BaTiO<sub>3</sub> particles. Chemical Science, 2019, 10, 8224-8235. | 3.7 | 18 |
| 24 | Novel Flexible Phase Change Materials with Mussel-Inspired Modification of Melamine Foam for Simultaneous Light-Actuated Shape Memory and Light-to-Thermal Energy Storage Capability. ACS Sustainable Chemistry and Engineering, 2019, 7, 13532-13542. | 3.2 | 108 |
| 25 | Nuomici-Inspired Universal Strategy for Boosting Piezoresistive Sensitivity and Elasticity of Polymer Nanocomposite-Based Strain Sensors. ACS Applied Materials & Interfaces, 2019, 11, 35362-35370. | 4.0 | 16 |
| 26 | Melamine Foam-Supported Form-Stable Phase Change Materials with Simultaneous Thermal Energy Storage and Shape Memory Properties for Thermal Management of Electronic Devices. ACS Applied Materials & Interfaces, 2019, 11, 19252-19259. | 4.0 | 122 |
| 27 | Constructing a segregated carbon nanotube network in polyamide-based composites towards high dielectric constant and low loss. Materials Letters, 2019, 245, 204-207. | 1.3 | 16 |
| 28 | Melamine foam-templated graphene nanoplatelet framework toward phase change materials with multiple energy conversion abilities. Chemical Engineering Journal, 2019, 365, 20-29. | 6.6 | 190 |
| 29 | Tailoring the hybrid network structure of boron nitride/carbon nanotube to achieve thermally conductive poly(vinylidene fluoride) composites. Composites Communications, 2019, 13, 30-36. | 3.3 | 19 |
| 30 | Constructing reduced graphene oxide/boron nitride frameworks in melamine foam towards synthesizing phase change materials applied in thermal management of microelectronic devices. Nanoscale, 2019, 11, 18691-18701. | 2.8 | 82 |
| 31 | Multiresponsive Shape-Adaptable Phase Change Materials with Cellulose Nanofiber/Graphene Nanoplatelet Hybrid-Coated Melamine Foam for Light/Electro-to-Thermal Energy Storage and Utilization. ACS Applied Materials & Interfaces, 2019, 11, 46851-46863. | 4.0 | 98 |
| 32 | Electrospun Fibrous Membranes with Dual-Scaled Porous Structure: Super Hydrophobicity, Super Lipophilicity, Excellent Water Adhesion, and Anti-Icing for Highly Efficient Oil Adsorption/Separation. ACS Applied Materials & Interfaces, 2019, 11, 5073-5083. | 4.0 | 111 |
| 33 | Crystallization of poly(l-lactide) in the miscible poly(l-lactide)/poly(vinyl acetate) blend induced by carbon nanotubes. Polymer Bulletin, 2018, 75, 2641-2655. | 1.7 | 12 |
| 34 | Bio-inspired functionalization of microcrystalline cellulose aerogel with high adsorption performance toward dyes. Carbohydrate Polymers, 2018, 198, 546-555. | 5.1 | 100 |
| 35 | One-step fabrication of functionalized poly(l-lactide) porous fibers by electrospinning and the adsorption/separation abilities. Journal of Hazardous Materials, 2018, 360, 150-162. | 6.5 | 52 |
| 36 | Selective localization of reduced graphene oxides at the interface of PLA/EVA blend and its resultant electrical resistivity. Polymer Composites, 2017, 38, 1982-1991. | 2.3 | 39 |

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|---|---|---|---|
| 37 | Preparation of hybrid graphene oxide/nanoâ€silica nanofillers and their application in poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 | 2.3 | 14 |
| 38 | Greatly enhanced hydrolytic degradation ability of poly(L-lactide) achieved by adding poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 | 2.0 | 22 |
| 39 | Green synthesis of hybrid graphene oxide/microcrystalline cellulose aerogels and their use as superabsorbents. Journal of Hazardous Materials, 2017, 335, 28-38. | 6.5 | 156 |
| 40 | Achieving Large Dielectric Property Improvement in Poly(ethylene vinyl acetate)/Thermoplastic Polyurethane/Multiwall Carbon Nanotube Nanocomposites by Tailoring Phase Morphology. Industrial & Engineering Chemistry Research, 2017, 56, 3607-3617. | 1.8 | 32 |
| 41 | Blend-electrospun poly(vinylidene fluoride)/polydopamine membranes: self-polymerization of dopamine and the excellent adsorption/separation abilities. Journal of Materials Chemistry A, 2017, 5, 14430-14443. | 5.2 | 115 |
| 42 | Electrically/infrared actuated shape memory composites based on a bio-based polyester blend and graphene nanoplatelets and their excellent self-driven ability. Journal of Materials Chemistry C, 2017, 5, 4145-4158. | 2.7 | 63 |
| 43 | Graphite oxide-driven miscibility in PVDF/PMMA blends: Assessment through dynamic rheology method. European Polymer Journal, 2017, 96, 232-247. | 2.6 | 27 |
| 44 | Grafting of polystyrene onto reduced graphene oxide by emulsion polymerization for dielectric polymer composites: High dielectric constant and low dielectric loss tuned by varied grafting amount of polystyrene. European Polymer Journal, 2017, 94, 196-207. | 2.6 | 47 |
| 45 | Excellent dielectric properties of poly(vinylidene fluoride) composites based on partially reduced graphene oxide. Composites Part B: Engineering, 2017, 109, 91-100. | 5.9 | 95 |
| 46 | Fabrication of highâ€<i>k</i> poly(vinylidene fluoride)/Nylon 6/carbon nanotube nanocomposites through selective localization of carbon nanotubes in blends. Polymer International, 2017, 66, 604-611. | 1.6 | 17 |
| 47 | Toughening effect of poly(methyl methacrylate) on an immiscible poly(vinylidene fluoride)/polylactide blend. Polymer International, 2016, 65, 675-682. | 1.6 | 9 |
| 48 | Largely restricted nucleation effect of carbon nanotubes in a miscible poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Td (fluo | 1.6 | 11 |
| 49 | Excellent Electroactive Shape Memory Performance of EVA/PCL/CNT Blend Composites with Selectively Localized CNTs. Journal of Physical Chemistry C, 2016, 120, 22793-22802. | 1.5 | 64 |
| 50 | Triple-Shape Memory Materials Based on Cross-Linked Poly(ethylene vinyl acetate) and Poly(Îµ-caprolactone). Industrial & Engineering Chemistry Research, 2016, 55, 12232-12241. | 1.8 | 22 |
| 51 | Largely enhanced effective porosity of uniaxial stretched polypropylene membrane achieved by pore-forming agent. Journal of Polymer Research, 2016, 23, 1. | 1.2 | 4 |
| 52 | Largely Enhanced Thermal Conductivity and High Dielectric Constant of Poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td (fl Chemistry C, 2016, 120, 6344-6355. | 1.5 | 204 |
| 53 | Accelerated hydrolytic degradation of poly(lactic acid) achieved by adding poly(butylene succinate). Polymer Bulletin, 2016, 73, 1067-1083. | 1.7 | 51 |
| 54 | Greatly enhanced porosity of stretched polypropylene/graphene oxide composite membrane achieved by adding pore-forming agent. RSC Advances, 2015, 5, 20663-20673. | 1.7 | 11 |

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|---|---|---|---|
| 55 | Annealing induced microstructure and mechanical property changes of impact resistant polypropylene copolymer. Chinese Journal of Polymer Science (English Edition), 2015, 33, 1211-1224. | 2.0 | 15 |
| 56 | Carbon nanotubes accelerated poly(vinylidene fluoride) crystallization from miscible poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Polymer Journal, 2015, 68, 175-189. | 2.6 | 27 |
| 57 | Largely enhanced thermal conductivity of poly(vinylidene fluoride)/carbon nanotube composites achieved by adding graphene oxide. Carbon, 2015, 90, 242-254. | 5.4 | 175 |
| 58 | High hydrophilicity and excellent adsorption ability of a stretched polypropylene/graphene oxide composite membrane achieved by plasma assisted surface modification. RSC Advances, 2015, 5, 71240-71252. | 1.7 | 7 |
| 59 | Largely improved fracture toughness of an immiscible poly(<scp>l</scp>-lactide)/ethylene-co-vinyl acetate blend achieved by adding carbon nanotubes. RSC Advances, 2015, 5, 69522-69533. | 1.7 | 24 |
| 60 | Thermal and electroactive shape memory behaviors of poly(<scp>l</scp>-lactide)/thermoplastic polyurethane blend induced by carbon nanotubes. RSC Advances, 2015, 5, 101455-101465. | 1.7 | 30 |
| 61 | Rheology and non-isothermal crystallization behaviors of poly(butylene succinate)/graphene oxide composites. Colloid and Polymer Science, 2015, 293, 389-400. | 1.0 | 15 |
| 62 | Super toughened immiscible polycarbonate/poly(l-lactide) blend achieved by simultaneous addition of compatibilizer and carbon nanotubes. RSC Advances, 2014, 4, 59194-59203. | 1.7 | 21 |
| 63 | Carbon nanotubes induced poly(vinylidene fluoride) crystallization from a miscible poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock | 1.0 | 14 |
| 64 | Fracture Behavior of Poly(trimethylene terephthalate) Toughened by Maleic Anhydride Grafted Styrene-Ethylene-Butadiene-Styrene Block Copolymer. Polymer-Plastics Technology and Engineering, 2014, 53, 824-833. | 1.9 | 1 |
| 65 | Super Toughened Poly(L-lactide)/Thermoplastic Polyurethane Blends Achieved by Adding Dicumyl Peroxide. Polymer-Plastics Technology and Engineering, 2014, 53, 1344-1353. | 1.9 | 14 |
| 66 | Combined effect of compatibilizer and carbon nanotubes on the morphology and electrical conductivity of PP/PS blend. Polymers for Advanced Technologies, 2014, 25, 624-630. | 1.6 | 13 |
| 67 | Crystallization and melting behaviors of polypropylene admixed by graphene and Î²-phase nucleating agent. Colloid and Polymer Science, 2014, 292, 923-933. | 1.0 | 15 |
| 68 | Largely improved crystallization behavior and thermal stability of poly(<scp>L</scp>â€lactide) via the synergistic effects of graphene oxide and carbon nanotubes. Journal of Applied Polymer Science, 2014, 131, . | 1.3 | 2 |
| 69 | Effect of graphene oxides on thermal degradation and crystallization behavior of poly(<scp>l</scp>-lactide). RSC Advances, 2014, 4, 3443-3456. | 1.7 | 20 |
| 70 | Tuning the interaction of an immiscible poly(<scp>l</scp>-lactide)/poly(vinylidene fluoride) blend by adding poly(methyl methacrylate) via a competition mechanism and the resultant mechanical properties. RSC Advances, 2014, 4, 40569-40579. | 1.7 | 13 |
| 71 | Amplified Toughening Effect of Annealing on Isotactic Polypropylene Realized by Introducing Microvoids. Industrial & Engineering Chemistry Research, 2014, 53, 4679-4688. | 1.8 | 17 |
| 72 | Effect of organoclay on morphology and electrical conductivity of PC/PVDF/CNT blend composites. Composites Science and Technology, 2014, 94, 30-38. | 3.8 | 49 |

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|---|---|---|---|
| 73 | Well dispersion of rGOs in PLLA matrix mediated by incorporation of EVA and its resultant electrical property. Polymer Composites, 2014, 35, 1051-1059. | 2.3 | 5 |
| 74 | Highly improved crystallization behavior of poly(Lâ€lactide) induced by a novel nucleating agent: substitutedâ€aryl phosphate salts. Polymers for Advanced Technologies, 2013, 24, 42-50. | 1.6 | 22 |
| 75 | Modification of polycarbonate by adding poly(<scp>L</scp>â€lactide). Journal of Applied Polymer Science, 2013, 127, 3333-3339. | 1.3 | 3 |
| 76 | Crystallization behavior of sorbitol derivative nucleated polypropylene block copolymer under high pressure. Colloid and Polymer Science, 2013, 291, 2213-2223. | 1.0 | 4 |
| 77 | Trapping carbon nanotubes at the interface of a polymer blend through adding graphene oxide: a facile strategy to reduce electrical resistivity. Journal of Materials Chemistry C, 2013, 1, 7808. | 2.7 | 36 |
| 78 | Enhancing chain segments mobility to improve the fracture toughness of polypropylene. Chinese Journal of Polymer Science (English Edition), 2013, 31, 232-241. | 2.0 | 8 |
| 79 | Comparative study of poly(<scp>L</scp>â€lactide) nanocomposites with organic montmorillonite and carbon nanotubes. Journal of Polymer Science, Part B: Polymer Physics, 2013, 51, 183-196. | 2.4 | 22 |
| 80 | Selective localization of carbon nanotubes at the interface of Poly(L-lactide)/Ethylene-co-vinyl Acetate resulting in lowered electrical resistivity. Composites Part B: Engineering, 2013, 55, 463-469. | 5.9 | 78 |
| 81 | Compatibilization of immiscible nylon 6/poly(vinylidene fluoride) blends using graphene oxides. Polymer International, 2013, 62, 1085-1093. | 1.6 | 81 |
| 82 | Super toughening of the poly(l-lactide)/thermoplastic polyurethane blends by carbon nanotubes. RSC Advances, 2013, 3, 26271. | 1.7 | 56 |
| 83 | Morphology and property changes of immiscible polycarbonate/poly(<scp>L</scp>â€lactide) blends induced by carbon nanotubes. Polymer International, 2013, 62, 957-965. | 1.6 | 22 |
| 84 | Annealing-induced crystalline structure and mechanical property changes of polypropylene random copolymer. Journal of Materials Research, 2013, 28, 3100-3108. | 1.2 | 17 |
| 85 | Synergistic effect of poly(ethylene glycol) and graphene oxides on the crystallization behavior of poly(<scp>l</scp>â€lactide). Journal of Applied Polymer Science, 2013, 130, 3498-3508. | 1.3 | 33 |
| 86 | A simple strategy to achieve very low percolation threshold via the selective distribution of carbon nanotubes at the interface of polymer blends. Journal of Materials Chemistry, 2012, 22, 22398. | 6.7 | 141 |
| 87 | Nonisothermal crystallization and multiple melting behaviors of Î²â€nucleated impactâ€resistant polypropylene copolymer. Journal of Applied Polymer Science, 2012, 126, 1031-1043. | 1.3 | 14 |
| 88 | Crystallization behavior of isotactic polypropylene induced by competition action of Î² nucleating agent and high pressure. Colloid and Polymer Science, 2012, 290, 531-540. | 1.0 | 18 |
| 89 | High speed injection molding of high density polyethylene â€” Effects of injection speed on structure and properties. Chinese Journal of Polymer Science (English Edition), 2011, 29, 456-464. | 2.0 | 14 |
| 90 | Realizing the full nanofiller enhancement in melt-spun fibers of poly(vinylidene fluoride)/carbon nanotube composites. Nanotechnology, 2011, 22, 355707. | 1.3 | 28 |

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|---|---|---|---|
| 91 | Plasma treatmentâ€induced fluorineâ€functionalized multiâ€walled carbon nanotubes to modify poly(ethylene terephthalate) obtained via <i>in situ</i> polymerization. Polymer International, 2010, 59, 198-203. | 1.6 | 7 |
| 92 | Largely improved tensile extensibility of poly(<scp>L</scp>â€lactic acid) by adding poly(Îµâ€caprolactone). Polymer International, 2010, 59, 1154-1161. | 1.6 | 12 |
| 93 | Direct Formation of Nanohybrid Shish-Kebab in the Injection Molded Bar of Polyethylene/Multiwalled Carbon Nanotubes Composite. Macromolecules, 2009, 42, 7016-7023. | 2.2 | 159 |
| 94 | CF4 plasma-induced grafting of fluoropolymer onto multi-walled carbon nanotube powder. Applied Physics A: Materials Science and Processing, 2008, 90, 431-435. | 1.1 | 14 |
| 95 | Electrical properties of poly(phenylene sulfide)/multiwalled carbon nanotube composites prepared by simple mixing and compression. Journal of Applied Polymer Science, 2008, 109, 720-726. | 1.3 | 43 |
| 96 | Crystal morphology and transcrystallization mechanism of isotactic polypropylene induced by fibres: interface nucleationversus bulk nucleation. Polymer International, 2006, 55, 441-448. | 1.6 | 18 |