

Qiang Fu

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.

280
papers

11,218
citations

59
h-index

93
g-index

286
ext. papers

13,676
ext. citations

7.3
avg, IF

6.83
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 280 | Progress on the morphological control of conductive network in conductive polymer composites and the use as electroactive multifunctional materials. <i>Progress in Polymer Science</i> , 2014 , 39, 627-655 | 29.6 | 460 |
| 279 | Efficient electromagnetic interference shielding of lightweight graphene/polystyrene composite. <i>Journal of Materials Chemistry</i> , 2012 , 22, 18772 | | 423 |
| 278 | Realizing the enhancement of interfacial interaction in semicrystalline polymer/filler composites via interfacial crystallization. <i>Progress in Polymer Science</i> , 2012 , 37, 1425-1455 | 29.6 | 295 |
| 277 | Silicate, borosilicate, and borate bioactive glass scaffolds with controllable degradation rate for bone tissue engineering applications. I. Preparation and in vitro degradation. <i>Journal of Biomedical Materials Research - Part A</i> , 2010 , 95, 164-71 | 5.4 | 250 |
| 276 | New Understanding in Tuning Toughness of Polypropylene: The Role of Nucleated Crystalline Morphology. <i>Macromolecules</i> , 2009 , 42, 9325-9331 | 5.5 | 241 |
| 275 | Water-induced shape memory effect of graphene oxide reinforced polyvinyl alcohol nanocomposites. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 2240-2249 | 13 | 235 |
| 274 | Towards tunable sensitivity of electrical property to strain for conductive polymer composites based on thermoplastic elastomer. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 5815-24 | 9.5 | 203 |
| 273 | Ultrathin flexible reduced graphene oxide/cellulose nanofiber composite films with strongly anisotropic thermal conductivity and efficient electromagnetic interference shielding. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 3748-3756 | 7.1 | 188 |
| 272 | Tailoring impact toughness of poly(L-lactide)/poly(ϵ -caprolactone) (PLLA/PCL) blends by controlling crystallization of PLLA matrix. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 897-905 | 9.5 | 188 |
| 271 | Disulfide bond bridge insertion turns hydrophobic anticancer prodrugs into self-assembled nanomedicines. <i>Nano Letters</i> , 2014 , 14, 5577-83 | 11.5 | 177 |
| 270 | Control of Crystal Morphology in Poly(L-lactide) by Adding Nucleating Agent. <i>Macromolecules</i> , 2011 , 44, 1233-1237 | 5.5 | 171 |
| 269 | Achieving a Collapsible, Strong, and Highly Thermally Conductive Film Based on Oriented Functionalized Boron Nitride Nanosheets and Cellulose Nanofiber. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 30035-30045 | 9.5 | 167 |
| 268 | The resistivity-strain behavior of conductive polymer composites: stability and sensitivity. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 17085-17098 | 13 | 132 |
| 267 | Stereocomplex formation of high-molecular-weight polylactide: A low temperature approach. <i>Polymer</i> , 2012 , 53, 5449-5454 | 3.9 | 131 |
| 266 | Low-dimensional carbonaceous nanofiller induced polymer crystallization. <i>Progress in Polymer Science</i> , 2014 , 39, 555-593 | 29.6 | 124 |
| 265 | Significantly improving oxygen barrier properties of polylactide via constructing parallel-aligned shish-kebab-like crystals with well-interlocked boundaries. <i>Biomacromolecules</i> , 2014 , 15, 1507-14 | 6.9 | 121 |
| 264 | Synthesis and degradation of nontoxic biodegradable waterborne polyurethanes elastomer with poly(ϵ -caprolactone) and poly(ethylene glycol) as soft segment. <i>European Polymer Journal</i> , 2007 , 43, 1838-1846 | 5.2 | 120 |

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| 263 | Self-assembly of biodegradable polyurethanes for controlled delivery applications. <i>Soft Matter</i> , 2012 , 8, 5414 | 3.6 | 116 |
| 262 | Design and Preparation of a Unique Segregated Double Network with Excellent Thermal Conductive Property. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 7637-7647 | 9.5 | 115 |
| 261 | Toward the next-generation nanomedicines: design of multifunctional multiblock polyurethanes for effective cancer treatment. <i>ACS Nano</i> , 2013 , 7, 1918-28 | 16.7 | 114 |
| 260 | Formation of Interlinked Shish-Kebabs in Injection-Molded Polyethylene under the Coexistence of Lightly Cross-Linked Chain Network and Oscillation Shear Flow. <i>Macromolecules</i> , 2012 , 45, 6600-6610 | 5.5 | 113 |
| 259 | Largely improved thermal conductivity of HDPE/expanded graphite/carbon nanotubes ternary composites via filler network-network synergy. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017 , 99, 32-40 | 8.4 | 112 |
| 258 | Preparation of High-Performance Conductive Polymer Fibers through Morphological Control of Networks Formed by Nanofillers. <i>Advanced Functional Materials</i> , 2010 , 20, 1424-1432 | 15.6 | 107 |
| 257 | Highly Thermoconductive, Thermostable, and Super-Flexible Film by Engineering 1D Rigid Rod-Like Aramid Nanofiber/2D Boron Nitride Nanosheets. <i>Advanced Materials</i> , 2020 , 32, e1906939 | 24 | 101 |
| 256 | Remarkably Enhanced Impact Toughness and Heat Resistance of poly(L-Lactide)/Thermoplastic Polyurethane Blends by Constructing Stereocomplex Crystallites in the Matrix. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 111-120 | 8.3 | 100 |
| 255 | Molecular engineered super-nanodevices: smart and safe delivery of potent drugs into tumors. <i>Advanced Materials</i> , 2012 , 24, 3639-45 | 24 | 100 |
| 254 | Improving impact toughness of polylactide/poly(ether)urethane blends via designing the phase morphology assisted by hydrophilic silica nanoparticles. <i>Polymer</i> , 2014 , 55, 1593-1600 | 3.9 | 99 |
| 253 | Toughening of poly(L-lactide) with poly(ϵ -caprolactone): Combined effects of matrix crystallization and impact modifier particle size. <i>Polymer</i> , 2013 , 54, 5257-5266 | 3.9 | 99 |
| 252 | Construction of targeting-clickable and tumor-cleavable polyurethane nanomicelles for multifunctional intracellular drug delivery. <i>Biomacromolecules</i> , 2013 , 14, 4407-19 | 6.9 | 98 |
| 251 | Shish-Kebab of polyolefin by melt manipulation strategy in injection-molding: A convenience pathway from fundament to application. <i>Polymer</i> , 2008 , 49, 4745-4755 | 3.9 | 98 |
| 250 | Selective localization of multi-walled carbon nanotubes in thermoplastic elastomer blends: An effective method for tunable resistivity strain sensing behavior. <i>Composites Science and Technology</i> , 2014 , 92, 16-26 | 8.6 | 93 |
| 249 | Synthesis, degradation, and cytotoxicity of multiblock poly(ϵ -caprolactone urethane)s containing gemini quaternary ammonium cationic groups. <i>Biomacromolecules</i> , 2009 , 10, 2857-65 | 6.9 | 93 |
| 248 | Recent Advances in Processing of Stereocomplex-Type Polylactide. <i>Macromolecular Rapid Communications</i> , 2017 , 38, 1700454 | 4.8 | 91 |
| 247 | Largely enhanced energy storage density of poly(vinylidene fluoride) nanocomposites based on surface hydroxylation of boron nitride nanosheets. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 7573-7584 | 13 | 90 |
| 246 | Simultaneous reinforcing and toughening of polyurethane via grafting on the surface of microfibrillated cellulose. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 2497-507 | 9.5 | 90 |

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| 245 | Highly Sensitive, Ultrastretchable Strain Sensors Prepared by Pumping Hybrid Fillers of Carbon Nanotubes/Cellulose Nanocrystal into Electrospun Polyurethane Membranes. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 12968-12977 | 9.5 | 87 |
| 244 | Robust and Mechanically and Electrically Self-Healing Hydrogel for Efficient Electromagnetic Interference Shielding. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 8245-8257 | 9.5 | 85 |
| 243 | Synthesis and surface mobility of segmented polyurethanes with fluorinated side chains attached to hard blocks. <i>Polymer</i> , 2004 , 45, 1495-1502 | 3.9 | 84 |
| 242 | Recent progress on thermal conductive and electrical insulating polymer composites. <i>Composites Communications</i> , 2018 , 8, 74-82 | 6.7 | 81 |
| 241 | Formation of conductive networks with both segregated and double-percolated characteristic in conductive polymer composites with balanced properties. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 6835-44 | 9.5 | 77 |
| 240 | Surface modification of boron nitride by reduced graphene oxide for preparation of dielectric material with enhanced dielectric constant and well-suppressed dielectric loss. <i>Composites Science and Technology</i> , 2016 , 134, 191-200 | 8.6 | 71 |
| 239 | Preparation of a thermally conductive biodegradable cellulose nanofiber/hydroxylated boron nitride nanosheet film: the critical role of edge-hydroxylation. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 11863-11873 | 13 | 71 |
| 238 | Nanocellulose-assisted dispersion of graphene to fabricate poly(vinyl alcohol)/graphene nanocomposite for humidity sensing. <i>Composites Science and Technology</i> , 2016 , 131, 67-76 | 8.6 | 67 |
| 237 | Towards tunable resistivity-strain behavior through construction of oriented and selectively distributed conductive networks in conductive polymer composites. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 10048-10058 | 13 | 67 |
| 236 | Cellular uptake of polyurethane nanocarriers mediated by gemini quaternary ammonium. <i>Biomaterials</i> , 2011 , 32, 9515-24 | 15.6 | 67 |
| 235 | Enhancing the melt stability of polylactide stereocomplexes using a solid-state cross-linking strategy during a melt-blending process. <i>Polymer Chemistry</i> , 2014 , 5, 5985-5993 | 4.9 | 65 |
| 234 | Anisotropic multilayer conductive networks in carbon nanotubes filled polyethylene/polypropylene blends obtained through high speed thin wall injection molding. <i>Polymer</i> , 2013 , 54, 6425-6436 | 3.9 | 65 |
| 233 | Preparation of high performance conductive polymer fibres from double percolated structure. <i>Journal of Materials Chemistry</i> , 2011 , 21, 6401 | | 65 |
| 232 | Tensile properties in the oriented blends of high-density polyethylene and isotactic polypropylene obtained by dynamic packing injection molding. <i>Polymer</i> , 2005 , 46, 3190-3198 | 3.9 | 63 |
| 231 | Selective localization of multi-walled carbon nanotubes in bi-component biodegradable polyester blend for rapid electroactive shape memory performance. <i>Composites Science and Technology</i> , 2016 , 125, 38-46 | 8.6 | 62 |
| 230 | Phase change material with anisotropically high thermal conductivity and excellent shape stability due to its robust cellulose/BNNSs skeleton. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 19364-19373 | 13 | 62 |
| 229 | Largely enhanced thermal and electrical conductivity via constructing double percolated filler network in polypropylene/expanded graphite [Multi-wall carbon nanotubes ternary composites. <i>Composites Science and Technology</i> , 2016 , 130, 28-35 | 8.6 | 62 |
| 228 | A Multidirectionally Thermoconductive Phase Change Material Enables High and Durable Electricity Real-Environment Solar-Thermal-Electric Conversion. <i>ACS Nano</i> , 2020 , 14, 15738-15747 | 16.7 | 61 |

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| 227 | Fabrication of Highly Stretchable, Washable, Wearable, Water-Repellent Strain Sensors with Multi-Stimuli Sensing Ability. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 31655-31663 | 9.5 | 61 |
| 226 | Completely Green Approach for the Preparation of Strong and Highly Conductive Graphene Composite Film by Using Nanocellulose as Dispersing Agent and Mechanical Compression. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 9102-9113 | 8.3 | 61 |
| 225 | A Novel Surface Structure Consisting of Contact-active Antibacterial Upper-layer and Antifouling Sub-layer Derived from Gemini Quaternary Ammonium Salt Polyurethanes. <i>Scientific Reports</i> , 2016 , 6, 32140 | 4.9 | 60 |
| 224 | Preparation of Transparent and Flexible Shape Memory Polybenzoxazine Film through Chemical Structure Manipulation and Hydrogen Bonding Control. <i>Macromolecules</i> , 2018 , 51, 6561-6570 | 5.5 | 60 |
| 223 | Largely enhanced thermal conductivity of HDPE/boron nitride/carbon nanotubes ternary composites via filler network-network synergy and orientation. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018 , 112, 32-39 | 8.4 | 60 |
| 222 | Fabrication of highly stretchable conductors via morphological control of carbon nanotube network. <i>Small</i> , 2013 , 9, 3620-9 | 11 | 59 |
| 221 | Toward Supertough and Heat-Resistant Stereocomplex-Type Polylactide/Elastomer Blends with Impressive Melt Stability via in Situ Formation of Graft Copolymer during One-Pot Reactive Melt Blending. <i>Macromolecules</i> , 2019 , 52, 1718-1730 | 5.5 | 56 |
| 220 | Metal-Level Robust, Folding Endurance, and Highly Temperature-Stable MXene-Based Film with Engineered Aramid Nanofiber for Extreme-Condition Electromagnetic Interference Shielding Applications. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 26485-26495 | 9.5 | 56 |
| 219 | Conformation-Directed Micelle-to-Vesicle Transition of Cholesterol-Decorated Polypeptide Triggered by Oxidation. <i>Journal of the American Chemical Society</i> , 2018 , 140, 6604-6610 | 16.4 | 56 |
| 218 | Significant Enhancement of Thermal Conductivity in Polymer Composite via Constructing Macroscopic Segregated Filler Networks. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 29071-29081 | 9.5 | 55 |
| 217 | The preparation and properties of polystyrene/functionalized graphene nanocomposite foams using supercritical carbon dioxide. <i>Polymer International</i> , 2013 , 62, 1077-1084 | 3.3 | 55 |
| 216 | Control of the hierarchical structure of polymer articles via structuring processing. <i>Progress in Polymer Science</i> , 2014 , 39, 891-920 | 29.6 | 54 |
| 215 | A self-reinforcing and self-healing elastomer with high strength, unprecedented toughness and room-temperature reparability. <i>Materials Horizons</i> , 2021 , 8, 267-275 | 14.4 | 53 |
| 214 | Largely Enhanced Stretching Sensitivity of Polyurethane/Carbon Nanotube Nanocomposites via Incorporation of Cellulose Nanofiber. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 2108-2117 | 3.8 | 52 |
| 213 | Surface modifications of boron nitride nanosheets for poly(vinylidene fluoride) based film capacitors: advantages of edge-hydroxylation. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 7664-7674 | 13 | 52 |
| 212 | Shish-like cylindrite structures resulted from periodical shear-induced crystallization of isotactic polypropylene. <i>Polymer</i> , 2011 , 52, 2970-2978 | 3.9 | 52 |
| 211 | Largely enhanced crystallization of semi-crystalline polymer on the surface of glass fiber by using graphene oxide as a modifier. <i>Polymer</i> , 2013 , 54, 303-309 | 3.9 | 51 |
| 210 | Facile one-step preparation of robust hydrophobic cotton fabrics by covalent bonding polyhedral oligomeric silsesquioxane for ultrafast oil/water separation. <i>Chemical Engineering Journal</i> , 2020 , 379, 122391 | 14.7 | 51 |

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| 209 | Ultra-high-performance electrospun polylactide membranes with excellent oil/water separation ability via interfacial stereocomplex crystallization. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 19729-19737 | 13 | 50 |
| 208 | Simultaneous the thermodynamics favorable compatibility and morphology to achieve excellent comprehensive mechanics in PLA/OBC blend. <i>Polymer</i> , 2014 , 55, 6409-6417 | 3.9 | 49 |
| 207 | Phase behavior and hydrogen bonding in biomembrane mimicing polyurethanes with long side chain fluorinated alkyl phosphatidylcholine polar head groups attached to hard block. <i>Polymer</i> , 2005 , 46, 7230-7239 | 3.9 | 48 |
| 206 | Recent progress on PEDOT:PSS based polymer blends and composites for flexible electronics and thermoelectric devices. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 3130-3152 | 7.8 | 48 |
| 205 | Cell internalizable and intracellularly degradable cationic polyurethane micelles as a potential platform for efficient imaging and drug delivery. <i>Biomacromolecules</i> , 2014 , 15, 2896-906 | 6.9 | 47 |
| 204 | Biodegradable gemini multiblock poly(ϵ -caprolactone urethane)s toward controllable micellization. <i>Soft Matter</i> , 2010 , 6, 2087 | 3.6 | 46 |
| 203 | Powder metallurgy inspired low-temperature fabrication of high-performance stereocomplexed polylactide products with good optical transparency. <i>Scientific Reports</i> , 2016 , 6, 20260 | 4.9 | 45 |
| 202 | Preparation of highly thermally conductive but electrically insulating composites by constructing a segregated double network in polymer composites. <i>Composites Science and Technology</i> , 2019 , 175, 135-142 | 8.6 | 44 |
| 201 | Towards suppressing loss tangent: Effect of polydopamine coating layers on dielectric properties of core-shell barium titanate filled polyvinylidene fluoride composites. <i>Composites Science and Technology</i> , 2015 , 118, 198-206 | 8.6 | 44 |
| 200 | Clickable and imageable multiblock polymer micelles with magnetically guided and PEG-switched targeting and release property for precise tumor theranosis. <i>Biomaterials</i> , 2017 , 145, 138-153 | 15.6 | 44 |
| 199 | Constructing stereocomplex structures at the interface for remarkably accelerating matrix crystallization and enhancing the mechanical properties of poly(L-lactide)/multi-walled carbon nanotube nanocomposites. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 13835-13847 | 13 | 44 |
| 198 | Towards high-performance poly(L-lactide)/elastomer blends with tunable interfacial adhesion and matrix crystallization via constructing stereocomplex crystallites at the interface. <i>RSC Advances</i> , 2014 , 4, 49374-49385 | 3.7 | 43 |
| 197 | Toward environment-friendly composites of poly(propylene carbonate) reinforced with cellulose nanocrystals. <i>Composites Science and Technology</i> , 2013 , 78, 63-68 | 8.6 | 43 |
| 196 | Synthesis of Janus POSS star polymer and exploring its compatibilization behavior for PLLA/PCL polymer blends. <i>Polymer</i> , 2018 , 136, 84-91 | 3.9 | 42 |
| 195 | Cellulose/Chitosan Composite Multifilament Fibers with Two-Switch Shape Memory Performance. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 6981-6990 | 8.3 | 41 |
| 194 | Mechanically Strong Chitin Fibers with Nanofibril Structure, Biocompatibility, and Biodegradability. <i>Chemistry of Materials</i> , 2019 , 31, 2078-2087 | 9.6 | 41 |
| 193 | Molecular dynamics simulations of orientation induced interfacial enhancement between single walled carbon nanotube and aromatic polymers chains. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015 , 73, 155-165 | 8.4 | 41 |
| 192 | Cooperative effect of shear and nanoclay on the formation of polar phase in poly(vinylidene fluoride) and the resultant properties. <i>Polymer</i> , 2011 , 52, 4970-4978 | 3.9 | 41 |

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|-----|---|------|----|
| 191 | Fabrication of PLA/CNC/CNT conductive composites for high electromagnetic interference shielding based on Pickering emulsions method. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019 , 125, 105558 | 8.4 | 40 |
| 190 | A high-performance temperature sensitive TPV/CB elastomeric composite with balanced electrical and mechanical properties via PF-induced dynamic vulcanization. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 16989-16996 | 13 | 39 |
| 189 | Effect of annealing on the microstructure and mechanical properties of polypropylene with oriented shish-kebab structure. <i>Polymer International</i> , 2012 , 61, 252-258 | 3.3 | 39 |
| 188 | Matrix crystallization induced simultaneous enhancement of electrical conductivity and mechanical performance in poly(l-lactide)/multiwalled carbon nanotubes (PLLA/MWCNTs) nanocomposites. <i>Composites Science and Technology</i> , 2014 , 102, 20-27 | 8.6 | 38 |
| 187 | Fabrication and characterization of waterborne biodegradable polyurethanes 3-dimensional porous scaffolds for vascular tissue engineering. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2010 , 21, 1637-1652 | 3.5 | 38 |
| 186 | Facile preparation of polybenzoxazine/graphene nanocomposites for electromagnetic interference shielding. <i>Polymer</i> , 2019 , 162, 20-28 | 3.9 | 38 |
| 185 | Effect of PEG content on the properties of biodegradable amphiphilic multiblock poly(ϵ -caprolactone urethane)s. <i>Polymer Chemistry</i> , 2011 , 2, 885 | 4.9 | 37 |
| 184 | Design of high-performance poly(l-lactide)/elastomer blends through anchoring carbon nanotubes at the interface with the aid of stereocomplex crystallization. <i>Polymer</i> , 2017 , 108, 38-49 | 3.9 | 36 |
| 183 | Synthesis and characterization of biodegradable lysine-based waterborne polyurethane for soft tissue engineering applications. <i>Biomaterials Science</i> , 2016 , 4, 1682-1690 | 7.4 | 36 |
| 182 | Green Production of Regenerated Cellulose/Boron Nitride Nanosheet Textiles for Static and Dynamic Personal Cooling. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 40685-40693 | 9.5 | 35 |
| 181 | Origin of various lamellar orientations in high-density polyethylene/isotactic polypropylene blends achieved via dynamic packing injection molding: bulk crystallization vs. epitaxy. <i>Polymer</i> , 2005 , 46, 819-829 | 3.9 | 35 |
| 180 | Plasma modification of PU foam for piezoresistive sensor with high sensitivity, mechanical properties and long-term stability. <i>Chemical Engineering Journal</i> , 2020 , 381, 122666 | 14.7 | 35 |
| 179 | Low-Temperature Sintering of Stereocomplex-Type Polylactide Nascent Powder: Effect of Crystallinity. <i>Macromolecules</i> , 2017 , 50, 7611-7619 | 5.5 | 34 |
| 178 | Deep insight into the key role of carbon black self-networking in the formation of co-continuous-like morphology in polylactide/poly(ether)urethane blends. <i>Polymer</i> , 2016 , 82, 11-21 | 3.9 | 34 |
| 177 | Synthesis and antibacterial characterization of waterborne polyurethanes with gemini quaternary ammonium salt. <i>Science Bulletin</i> , 2015 , 60, 1114-1121 | 10.6 | 34 |
| 176 | Epitaxy growth and directed crystallization of high-density polyethylene in the oriented blends with isotactic polypropylene. <i>Polymer</i> , 2005 , 46, 5258-5267 | 3.9 | 34 |
| 175 | Mechanically Strong Multifilament Fibers Spun from Cellulose Solution via Inducing Formation of Nanofibers. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 5314-5321 | 8.3 | 33 |
| 174 | Nickel hydroxide as novel filler for high energy density dielectric polymer composites. <i>Composites Science and Technology</i> , 2019 , 172, 117-124 | 8.6 | 32 |

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| 173 | Preparation of Polylactide/Poly(ether)urethane Blends with Excellent Electro-actuated Shape Memory via Incorporating Carbon Black and Carbon Nanotubes Hybrids Fillers. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2018 , 36, 1175-1186 | 3.5 | 32 |
| 172 | An Approach for the Sphere-to-Rod Transition of Multiblock Copolymer Micelles.. <i>ACS Macro Letters</i> , 2013 , 2, 146-151 | 6.6 | 32 |
| 171 | A comparison study of high shear force and compatibilizer on the phase morphologies and properties of polypropylene/polylactide (PP/PLA) blends. <i>Polymer</i> , 2018 , 154, 119-127 | 3.9 | 32 |
| 170 | Transcrystalline formation and properties of polypropylene on the surface of ramie fiber as induced by shear or dopamine modification. <i>Polymer</i> , 2014 , 55, 3045-3053 | 3.9 | 31 |
| 169 | Constructing conductive multi-walled carbon nanotubes network inside hexagonal boron nitride network in polymer composites for significantly improved dielectric property and thermal conductivity. <i>Composites Science and Technology</i> , 2017 , 151, 193-201 | 8.6 | 31 |
| 168 | Stochastic/Controlled Symmetry Breaking of the T8 -POSS Cages toward Multifunctional Regioisomeric Nanobuilding Blocks. <i>Chemistry - A European Journal</i> , 2015 , 21, 15246-55 | 4.8 | 31 |
| 167 | Influences of Coagulation Conditions on the Structure and Properties of Regenerated Cellulose Filaments via Wet-Spinning in LiOH/Urea Solvent. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 4056-4067 | 8.3 | 30 |
| 166 | Gemini quaternary ammonium salt waterborne biodegradable polyurethanes with antibacterial and biocompatible properties. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 361-368 | 7.8 | 30 |
| 165 | Largely improved toughness of polypropylene/long glass fiber composites by β -modification and annealing. <i>Composites Science and Technology</i> , 2014 , 96, 56-62 | 8.6 | 30 |
| 164 | Toward High-Performance Poly(L-lactide) Fibers via Tailoring Crystallization with the Aid of Fibrillar Nucleating Agent. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 3939-3947 | 8.3 | 30 |
| 163 | Synthesis and characterization of biodegradable polyurethanes with folate side chains conjugated to hard segments. <i>Polymer Chemistry</i> , 2014 , 5, 2901-2910 | 4.9 | 29 |
| 162 | Improved breakdown strength of Poly(vinylidene Fluoride)-based composites by using all ball-milled hexagonal boron nitride sheets without centrifugation. <i>Composites Science and Technology</i> , 2020 , 190, 108046 | 8.6 | 27 |
| 161 | The dispersion of CNT in TPU matrix with different preparation methods: solution mixing vs melt mixing. <i>Polymer</i> , 2019 , 182, 121838 | 3.9 | 27 |
| 160 | Preparation and characterization of nonfouling polymer brushes on poly(ethylene terephthalate) film surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010 , 78, 343-50 | 6 | 27 |
| 159 | A novel route towards tunable piezoresistive behavior in conductive polymer composites: Addition of insulating filler with different size and surface characteristics. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017 , 96, 99-109 | 8.4 | 26 |
| 158 | Confine Clay in an Alternating Multilayered Structure through Injection Molding: A Simple and Efficient Route to Improve Barrier Performance of Polymeric Materials. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 10178-89 | 9.5 | 26 |
| 157 | Anti-biofilm surfaces from mixed dopamine-modified polymer brushes: synergistic role of cationic and zwitterionic chains to resist staphylococcus aureus. <i>Biomaterials Science</i> , 2019 , 7, 5369-5382 | 7.4 | 26 |
| 156 | Strong and Highly Conductive Graphene Composite Film Based on the Nanocellulose-Assisted Dispersion of Expanded Graphite and Incorporation of Poly(ethylene oxide). <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 5045-5056 | 8.3 | 24 |

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| 155 | Enhanced dielectric properties through using mixed fillers consisting of nano-barium titanate/nickel hydroxide for polyvinylidene fluoride based composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018 , 104, 24-31 | 8.4 | 24 |
| 154 | Synthesis and microphase separated structures of polydimethylsiloxane/polycarbonate-based polyurethanes. <i>RSC Advances</i> , 2013 , 3, 8291 | 3.7 | 24 |
| 153 | Is filler orientation always good for thermal management performance: A visualized study from experimental results to simulative analysis. <i>Chemical Engineering Journal</i> , 2020 , 394, 124929 | 14.7 | 23 |
| 152 | Realizing the full nanofiller enhancement in melt-spun fibers of poly(vinylidene fluoride)/carbon nanotube composites. <i>Nanotechnology</i> , 2011 , 22, 355707 | 3.4 | 23 |
| 151 | A promising strategy for fabricating high-performance stereocomplex-type polylactide products via carbon nanotubes-assisted low-temperature sintering. <i>Polymer</i> , 2019 , 162, 50-57 | 3.9 | 23 |
| 150 | Controlled polymerization of 3,4-dihydro-2H-1,3-benzoxazine and its properties tailored by Lewis acids. <i>Reactive and Functional Polymers</i> , 2019 , 139, 75-84 | 4.6 | 22 |
| 149 | The combined effect of reactive and high-shear extrusion on the phase morphologies and properties of PLA/OBC/EGMA ternary blends. <i>Polymer</i> , 2019 , 169, 66-73 | 3.9 | 22 |
| 148 | Effect of stretching on the mechanical properties in melt-spun poly(butylene succinate)/microfibrillated cellulose (MFC) nanocomposites. <i>Carbohydrate Polymers</i> , 2016 , 140, 383-92 | 10.3 | 22 |
| 147 | Inducing of dominant polar forms in poly(vinylidene fluoride) with super toughness by adding alkyl ammonium salt. <i>Polymer</i> , 2012 , 53, 5455-5458 | 3.9 | 22 |
| 146 | Stereocomplex-type polylactide with remarkably enhanced melt-processability and electrical performance via incorporating multifunctional carbon black. <i>Polymer</i> , 2020 , 188, 122136 | 3.9 | 22 |
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| 8 | Structure Evolution and Hoop-Reinforcing Mechanism of Bionic-Inspired Off-Axial Glass Fiber-Reinforced High-Density Polyethylene Pipes Fabricated via Rotating Co-extrusion. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 10407-10418 | 3.9 | 0 |
| 7 | Synergic Enhancement of High-density Polyethylene through Ultrahigh Molecular Weight Polyethylene and Multi-flow Vibration Injection Molding: A Facile Fabrication with Potential Industrial Prospects. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2021 , 39, 756 | 3.5 | 0 |
| 6 | Ordered Conformation-Regulated Vesicular Membrane Permeability. <i>Angewandte Chemie</i> , 2021 , 133, 22703-22710 | 3.6 | 0 |
| 5 | para-Aramid Nanofiber Membranes for High-Performance and Multifunctional Materials. <i>ACS Applied Nano Materials</i> , 2022 , 5, 747-758 | 5.6 | 0 |
| 4 | Knittable Composite Fiber Allows Constant and Tremendous Self-Powering Based on the Transpiration-Driven Electrokinetic Effect. <i>Advanced Functional Materials</i> , 2203666 | 15.6 | 0 |
| 3 | Manipulating Matrix Crystallization and Impact Toughness of Polylactide/Elastomer Blends Via Tailoring Size and Packing Density of Stereocomplex Crystallites Formed at the Interface. <i>Macromolecular Materials and Engineering</i> , 2100698 | 3.9 | |
| 2 | Investigating the Influence of Incorporation of Boron Nitride on the Kinetics of Isotactic Polypropylene Entanglement Recovery. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 12901-12910 | 3.9 | 1 |
| 1 | Mussel-inspired polyurethane coating for bio-surface functionalization to enhance substrate adhesion and cell biocompatibility. <i>Journal of Biomaterials Science, Polymer Edition</i> , 1-13 | 3.5 | |