

Qipeng Guo

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221
papers

6,694
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67
g-index

223
ext. papers

7,217
ext. citations

4.5
avg, IF

6.12
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 221 | Bamboo fiber-reinforced polypropylene composites: A study of the mechanical properties. <i>Journal of Applied Polymer Science</i> , 1998 , 69, 1891-1899 | 2.9 | 235 |
| 220 | Phase Behavior, Crystallization, and Hierarchical Nanostructures in Self-Organized Thermoset Blends of Epoxy Resin and Amphiphilic Poly(ethylene oxide)-block-poly(propylene oxide)-block-poly(ethylene oxide) Triblock Copolymers. <i>Macromolecules</i> , 2002 , 35, 3133-3144 | 5.5 | 183 |
| 219 | Preparation and characterization of glycerol plasticized (high-amylose) starch-chitosan films. <i>Journal of Food Engineering</i> , 2013 , 116, 588-597 | 6 | 150 |
| 218 | Bamboo fiber-reinforced polypropylene composites: Crystallization and interfacial morphology. <i>Journal of Applied Polymer Science</i> , 1997 , 64, 1267-1273 | 2.9 | 144 |
| 217 | Crystallization kinetics of poly(ϵ -caprolactone) in miscible thermosetting polymer blends of epoxy resin and poly(ϵ -caprolactone). <i>Polymer</i> , 2001 , 42, 8647-8655 | 3.9 | 143 |
| 216 | Carbon nanotube based elastomer composites: An approach towards multifunctional materials. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 8446-8485 | 7.1 | 139 |
| 215 | Super-tough artificial nacre based on graphene oxide via synergistic interface interactions of π - π stacking and hydrogen bonding. <i>Carbon</i> , 2017 , 111, 807-812 | 10.4 | 139 |
| 214 | Synergistic effect of multi walled carbon nanotubes and reduced graphene oxides in natural rubber for sensing application. <i>Soft Matter</i> , 2013 , 9, 10343 | 3.6 | 129 |
| 213 | Bioinspired Strategy to Reinforce PVA with Improved Toughness and Thermal Properties via Hydrogen-Bond Self-Assembly. <i>ACS Macro Letters</i> , 2013 , 2, 1100-1104 | 6.6 | 127 |
| 212 | Granular Nanostructure: A Facile Biomimetic Strategy for the Design of Supertough Polymeric Materials with High Ductility and Strength. <i>Advanced Materials</i> , 2017 , 29, 1704661 | 24 | 105 |
| 211 | Miscibility and mechanical properties of epoxy resin/polysulfone blends. <i>Polymer</i> , 1997 , 38, 5565-5571 | 3.9 | 99 |
| 210 | Nanostructures, Semicrystalline Morphology, and Nanoscale Confinement Effect on the Crystallization Kinetics in Self-Organized Block Copolymer/Thermoset Blends. <i>Macromolecules</i> , 2003 , 36, 3635-3645 | 5.5 | 98 |
| 209 | Miscibility, crystallization kinetics and real-time small-angle X-ray scattering investigation of the semicrystalline morphology in thermosetting polymer blends of epoxy resin and poly(ethylene oxide). <i>Polymer</i> , 2001 , 42, 4127-4140 | 3.9 | 97 |
| 208 | Toughening Epoxy Thermosets with Block Ionomer Complexes: A Nanostructure-Mechanical Property Correlation. <i>Macromolecules</i> , 2012 , 45, 3829-3840 | 5.5 | 89 |
| 207 | Graphene and graphitic derivative filled polymer composites as potential sensors. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 3954-81 | 3.6 | 88 |
| 206 | Bio-Inspired Hydrogen-Bond Cross-Link Strategy toward Strong and Tough Polymeric Materials. <i>Macromolecules</i> , 2015 , 48, 3957-3964 | 5.5 | 86 |
| 205 | Blend films of natural wool and cellulose prepared from an ionic liquid. <i>Cellulose</i> , 2010 , 17, 803-813 | 5.5 | 80 |

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| 204 | Miscibility, morphology and fracture toughness of epoxy resin/poly(styrene-co-acrylonitrile) blends. <i>Polymer</i> , 1996 , 37, 4667-4673 | 3.9 | 80 |
| 203 | Fabrication of multifunctional graphene decorated with bromine and nano-Sb ₂ O ₃ towards high-performance polymer nanocomposites. <i>Carbon</i> , 2016 , 98, 689-701 | 10.4 | 79 |
| 202 | Miscibility, crystallization and real-time small-angle X-ray scattering investigation of the semicrystalline morphology in thermosetting polymer blends. <i>Polymer</i> , 2001 , 42, 6031-6041 | 3.9 | 71 |
| 201 | Reactive block copolymer modified thermosets: highly ordered nanostructures and improved properties. <i>Soft Matter</i> , 2010 , 6, 6119 | 3.6 | 64 |
| 200 | Self-Assembled Complexes of Poly(4-vinylphenol) and Poly(ε-caprolactone)-block-poly(2-vinylpyridine) via Competitive Hydrogen Bonding. <i>Macromolecules</i> , 2008 , 41, 7596-7605 | 5.5 | 64 |
| 199 | Thermosetting Blends of Polybenzoxazine and Poly(ε-caprolactone): Phase Behavior and Intermolecular Specific Interactions. <i>Macromolecular Chemistry and Physics</i> , 2004 , 205, 1547-1558 | 2.6 | 64 |
| 198 | Epoxy nanocomposites simultaneously strengthened and toughened by hybridization with graphene oxide and block ionomer. <i>Composites Science and Technology</i> , 2018 , 168, 363-370 | 8.6 | 64 |
| 197 | The physicochemical characteristics and hydrophobicity of high amylose starch/glycerol films in the presence of three natural waxes. <i>Journal of Food Engineering</i> , 2013 , 119, 205-219 | 6 | 63 |
| 196 | Bioinspired strategy for tuning thermal stability of PVA via hydrogen-bond crosslink. <i>Composites Science and Technology</i> , 2015 , 118, 16-22 | 8.6 | 62 |
| 195 | Continuous preparation of polyHIPE monoliths from ionomer-stabilized high internal phase emulsions (HIPEs) for efficient recovery of spilled oils. <i>Chemical Engineering Journal</i> , 2017 , 307, 812-819 | 14.7 | 61 |
| 194 | High internal phase emulsion (HIPE) xerogels for enhanced oil spill recovery. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 1906-1909 | 13 | 57 |
| 193 | Toughening Epoxy Thermosets with Block Ionomers: The Role of Phase Domain Size. <i>Macromolecules</i> , 2013 , 46, 8190-8202 | 5.5 | 54 |
| 192 | Phase behaviour and mechanical properties of epoxy resin containing phenolphthalein poly(ether ether ketone). <i>Polymer</i> , 1998 , 39, 1075-1080 | 3.9 | 54 |
| 191 | Block copolymer modified novolac epoxy resin. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003 , 41, 1994-2003 | 2.6 | 54 |
| 190 | Largely enhanced thermal and mechanical properties of polymer nanocomposites via incorporating C ₆₀ @graphene nanocarbon hybrid. <i>Nanotechnology</i> , 2013 , 24, 505706 | 3.4 | 52 |
| 189 | Miscibility and mechanical properties of tetrafunctional epoxy resin/phenolphthalein poly(ether ether ketone) blends. <i>Journal of Applied Polymer Science</i> , 2001 , 79, 598-607 | 2.9 | 51 |
| 188 | Phase separation, porous structure, and cure kinetics in aliphatic epoxy resin containing hyperbranched polyester. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006 , 44, 889-899 | 2.6 | 49 |
| 187 | Thermal and mechanical properties of a dendritic hydroxyl-functional hyperbranched polymer and tetrafunctional epoxy resin blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010 , 48, 417-424 | 2.6 | 46 |

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| 186 | Selective hydrogen bonding and hierarchical nanostructures in poly(hydroxyether of bisphenol A)/poly(ϵ -caprolactone)-block-poly(2-vinyl pyridine) blends. <i>Polymer</i> , 2008 , 49, 922-933 | 3.9 | 46 |
| 185 | Study on thermoplastic-modified multifunctional epoxies: Influence of heating rate on cure behaviour and phase separation. <i>Composites Science and Technology</i> , 2009 , 69, 1172-1179 | 8.6 | 45 |
| 184 | Blends of cellulose and poly(3-hydroxybutyrate-co-3-hydroxyvalerate) prepared from the ionic liquid 1-butyl-3-methylimidazolium chloride. <i>Carbohydrate Polymers</i> , 2011 , 86, 94-104 | 10.3 | 45 |
| 183 | Phase behavior, morphology and interfacial structure in thermoset/thermoplastic elastomer blends of poly(propylene glycol)-type epoxy resin and polystyrene- <i>b</i> -polybutadiene. <i>Polymer</i> , 2001 , 42, 10101-10110 | 3.9 | 45 |
| 182 | Microphase Separation through Competitive Hydrogen Bonding in Double Crystalline Diblock Copolymer/Homopolymer Blends. <i>Macromolecules</i> , 2010 , 43, 7695-7704 | 5.5 | 44 |
| 181 | Reversible photorheological lyotropic liquid crystals. <i>Langmuir</i> , 2014 , 30, 866-72 | 4 | 43 |
| 180 | Hydrogen bonding interactions, crystallization, and surface hydrophobicity in nanostructured epoxy/block copolymer blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010 , 48, 790-800 | 2.6 | 43 |
| 179 | Miscibility and morphology of thermosetting polymer blends of novolac resin with poly(ethylene oxide). <i>Polymer</i> , 1998 , 39, 517-523 | 3.9 | 43 |
| 178 | Nanostructures and nanoporosity in thermoset epoxy blends with an amphiphilic polyisoprene-block-poly(4-vinyl pyridine) reactive diblock copolymer. <i>Polymer</i> , 2008 , 49, 1737-1742 | 3.9 | 42 |
| 177 | Epoxy resin/poly(ϵ -caprolactone) blends cured with 2,2-bis[4-(4-aminophenoxy)phenyl]propane. I. Miscibility and crystallization kinetics. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003 , 41, 1085-1098 | 2.6 | 42 |
| 176 | Water-Soluble Acrylamide Sulfonate Copolymer for Inhibiting Shale Hydration. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 2903-2910 | 3.9 | 41 |
| 175 | Thermosetting polymer blends of unsaturated polyester resin and poly(ethylene oxide). II. Hydrogen-bonding interaction, crystallization kinetics, and morphology. <i>Journal of Polymer Science Part A</i> , 1997 , 35, 3169-3179 | 2.5 | 41 |
| 174 | Phase behavior, crystallization, and nanostructures in thermoset blends of epoxy resin and amphiphilic star-shaped block copolymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006 , 44, 975-985 | 2.6 | 40 |
| 173 | Effect of curing agent on the phase behaviour of epoxy resin/phenoxy blends. <i>Polymer</i> , 1995 , 36, 4753-4760 | 3.6 | 39 |
| 172 | Hybrid high internal phase emulsion (HIPE) organogels with oil separation properties. <i>Chemical Communications</i> , 2014 , 50, 13821-4 | 5.8 | 38 |
| 171 | Understanding the distribution of natural wax in starch-wax films using synchrotron-based FTIR (S-FTIR). <i>Carbohydrate Polymers</i> , 2014 , 102, 125-35 | 10.3 | 37 |
| 170 | Natural wool/cellulose acetate blends regenerated from the ionic liquid 1-butyl-3-methylimidazolium chloride. <i>Carbohydrate Polymers</i> , 2009 , 78, 999-1004 | 10.3 | 37 |
| 169 | Nanostructured thermoset epoxy resin templated by an amphiphilic poly(ethylene oxide)-block-poly(dimethylsiloxane) diblock copolymer. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006 , 44, 3042-3052 | 2.6 | 37 |

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| 168 | Miscibility and crystallization of thermosetting polymer blends of unsaturated polyester resin and poly(ϵ -caprolactone). <i>Polymer</i> , 1999 , 40, 637-646 | 3.9 | 37 |
| 167 | Blends of phenolphthalein poly(ether ether ketone) with phenoxy and epoxy resin. <i>Polymer</i> , 1991 , 32, 58-65 | 3.9 | 37 |
| 166 | Biodegradable polyethylene glycol-based ionic liquids for effective inhibition of shale hydration. <i>RSC Advances</i> , 2015 , 5, 32064-32071 | 3.7 | 36 |
| 165 | Development of regenerated cellulose/halloysites nanocomposites via ionic liquids. <i>Carbohydrate Polymers</i> , 2014 , 99, 91-7 | 10.3 | 36 |
| 164 | A DSC study of miscibility and phase separation in crystalline polymer blends of phenolphthalein poly(ether ether sulfone) and poly(ethylene oxide) 1997 , 35, 1383-1392 | | 36 |
| 163 | Thermosetting polymer blends of unsaturated polyester resin and poly(ethylene oxide). I. Miscibility and thermal properties. <i>Journal of Polymer Science Part A</i> , 1997 , 35, 3161-3168 | 2.5 | 36 |
| 162 | Miscibility, morphology and fracture toughness of epoxy resin/poly(vinyl acetate) blends. <i>Colloid and Polymer Science</i> , 1996 , 274, 410-417 | 2.4 | 36 |
| 161 | Emulsion-templated, macroporous hydrogels for enhancing water efficiency in fighting fires. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 10161-10164 | 13 | 34 |
| 160 | Influence of processing conditions on polymorphic behavior, crystallinity, and morphology of electrospun poly(Vinylidene fluoride) nanofibers. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a | 2.9 | 34 |
| 159 | Individual dispersion of carbon nanotubes in epoxy via a novel dispersion-curing approach using ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 11696-703 | 3.6 | 34 |
| 158 | Miscibility and cure kinetics of nylon/epoxy resin reactive blends. <i>Polymer</i> , 1998 , 39, 3451-3458 | 3.9 | 34 |
| 157 | Poly(vinylidene fluoride)-acrylic rubber partially miscible blends: Crystallization within conjugated phases induce dual lamellar crystalline structure. <i>Polymer</i> , 2013 , 54, 4686-4701 | 3.9 | 33 |
| 156 | Water-soluble complexes of hydrophobically modified polymer and surface active imidazolium-based ionic liquids for enhancing oil recovery. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015 , 471, 45-53 | 5.1 | 33 |
| 155 | A novel water-soluble hydrophobically associating polyacrylamide based on oleic imidazoline and sulfonate for enhanced oil recovery. <i>New Journal of Chemistry</i> , 2015 , 39, 7805-7814 | 3.6 | 32 |
| 154 | The miscibility and morphology of hexamine cross-linked novolac/poly(ϵ -caprolactone) blends. <i>Polymer</i> , 1997 , 38, 279-286 | 3.9 | 32 |
| 153 | Interpolymer complexes and miscible blends of poly(p-vinyl phenol) and poly(ethylene imine). <i>European Polymer Journal</i> , 1997 , 33, 659-665 | 5.2 | 32 |
| 152 | Examination of miscibility at molecular level of poly(hydroxyether of bisphenol A)/poly(N-vinyl pyrrolidone) blends by cross-polarization/magic angle spinning ^{13}C nuclear magnetic resonance spectroscopy. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1998 , 36, 2291-2300 | 2.6 | 32 |
| 151 | Assembled Block Copolymer Stabilized High Internal Phase Emulsion Hydrogels for Enhancing Oil Safety. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 4499-4505 | 3.9 | 32 |

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| 150 | Flame soot stably deposited on silicone coatings possess superhydrophobic surface. <i>Applied Surface Science</i> , 2013 , 284, 651-656 | 6.7 | 31 |
| 149 | Oil-spill cleanup: The influence of acetylated curaua fibers on the oil-removal capability of magnetic composites. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a | 2.9 | 31 |
| 148 | Fabrication of Ketjen black-high density polyethylene superhydrophobic conductive surfaces. <i>Carbon</i> , 2012 , 50, 4284-4290 | 10.4 | 31 |
| 147 | Competitive hydrogen bonding and self-assembly in poly(2-vinyl pyridine)-block-poly(methyl methacrylate)/poly(hydroxyether of bisphenol A) blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2009 , 47, 1894-1905 | 2.6 | 31 |
| 146 | Miscibility and phase behavior in blends of phenolphthalein poly(ether sulfone) and poly(hydroxyether of bisphenol A). <i>Polymer</i> , 2003 , 44, 867-876 | 3.9 | 31 |
| 145 | Nanofibrous, Emulsion-Templated Syndiotactic Polystyrenes with Superhydrophobicity for Oil Spill Cleanup. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 36063-36072 | 9.5 | 30 |
| 144 | Nanostructure and hydrogen bonding in interpolyelectrolyte complexes of poly(ϵ -caprolactone)-block-poly(2-vinyl pyridine) and poly(acrylic acid). <i>Polymer</i> , 2008 , 49, 5268-5275 | 3.9 | 30 |
| 143 | Azobenzene moiety variation directing self-assembly and photoresponsive behavior of azo-surfactants. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 8303-8312 | 7.1 | 29 |
| 142 | Cellulose/polycaprolactone blends regenerated from ionic liquid 1-butyl-3-methylimidazolium chloride. <i>Carbohydrate Polymers</i> , 2012 , 90, 575-82 | 10.3 | 29 |
| 141 | Phase separation during crosslinking of epoxy resin/poly(ethylene oxide) blends. <i>Polymer Bulletin</i> , 1989 , 21, 593 | 2.4 | 29 |
| 140 | Miscibility of phenolphthalein poly(ether ether ketone) with poly(hydroxy ether of bisphenol A) and polysulfone. <i>Polymer Bulletin</i> , 1988 , 20, 517 | 2.4 | 29 |
| 139 | A water-soluble antimicrobial acrylamide copolymer containing sulfobetaine for enhanced oil recovery. <i>RSC Advances</i> , 2015 , 5, 51549-51558 | 3.7 | 27 |
| 138 | A new route to nanostructured thermosets with block ionomer complexes. <i>Soft Matter</i> , 2012 , 8, 688-698 | 3.6 | 27 |
| 137 | The miscibility and morphology of epoxy resin/poly(ethylene oxide) blends. <i>Polymer</i> , 1991 , 32, 53-57 | 3.9 | 27 |
| 136 | Preparation, characterization and in vitro study of liposomal curcumin powder by cost effective nanofiber weaving technology. <i>New Journal of Chemistry</i> , 2018 , 42, 5117-5127 | 3.6 | 26 |
| 135 | In Situ Synchrotron SAXS Study of Polymerizable Microemulsions. <i>Macromolecules</i> , 2011 , 44, 3007-3015 | 5.5 | 26 |
| 134 | Microphase separation through competitive hydrogen bonding in self-assembled A-b-B/C diblock copolymer/homopolymer complexes. <i>Journal of Chemical Physics</i> , 2009 , 131, 214905 | 3.9 | 26 |
| 133 | Mechanical properties of miscible phenolphthalein poly(ether ether ketone)/polysulfone blends. <i>Polymer Engineering and Science</i> , 1990 , 30, 44-48 | 2.3 | 26 |

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| 132 | Microphase-separated, hierarchical macroporous polyurethane from a nonaqueous emulsion-templated reactive block copolymer. <i>Chemical Engineering Journal</i> , 2019 , 365, 369-377 | 14.7 | 25 |
| 131 | A new approach for mechanisms of ferroelectric crystalline phase formation in PVDF nanocomposites. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 10679-87 | 3.6 | 25 |
| 130 | Poly(vinylidene fluoride)/acrylic rubber partially miscible blends: Phase behavior and its effects on the mechanical properties. <i>Journal of Applied Polymer Science</i> , 2013 , 130, 1247-1258 | 2.9 | 25 |
| 129 | Crosslinkable interpolymer complexes of novolac resin and poly(ethylene oxide) 1998 , 36, 401-411 | | 25 |
| 128 | Controlling morphology and porosity of porous siloxane membranes through water content of precursor microemulsion. <i>Soft Matter</i> , 2012 , 8, 10493 | 3.6 | 24 |
| 127 | Miscibility, morphology and fracture toughness of tetrafunctional epoxy resin/poly(styrene-co-acrylonitrile) blends. <i>Journal of Materials Science</i> , 2000 , 35, 5613-5619 | 4.3 | 24 |
| 126 | Characterization of blends of poly(vinyl chloride) and poly(N-vinyl pyrrolidone) by FTIR and ¹³ C CP/MAS NMR spectroscopy. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1999 , 37, 2412-2419 | 2.6 | 24 |
| 125 | Miscibility of poly(N-vinyl-2-pyrrolidone) with poly(hydroxyether of phenolphthalein) and polyacrylonitrile. <i>European Polymer Journal</i> , 1996 , 32, 423-426 | 5.2 | 24 |
| 124 | Miscibility of poly(N-vinyl-2-pyrrolidone) with poly(vinyl chloride) and poly(epichlorohydrin). <i>Die Makromolekulare Chemie Rapid Communications</i> , 1990 , 11, 279-283 | | 24 |
| 123 | Closed-cell and open-cell porous polymers from ionomer-stabilized high internal phase emulsions. <i>Polymer Chemistry</i> , 2016 , 7, 7469-7476 | 4.9 | 24 |
| 122 | Poly(2-acrylamide-2-methylpropanesulfonic acid)-Modified SiO ₂ Nanoparticles for Water-Based Muds. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 168-174 | 3.9 | 23 |
| 121 | Morphology and mechanical properties of nanostructured thermoset/block copolymer blends with carbon nanoparticles. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015 , 71, 136-143 | 8.4 | 23 |
| 120 | Multiple vesicular morphologies in AB/AC diblock copolymer complexes through hydrogen bonding interactions. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 9528-36 | 3.4 | 23 |
| 119 | Epoxy resin/poly(ϵ -caprolactone) blends cured with 2,2-bis[4-(4-aminophenoxy)phenyl]propane. II. Studies by Fourier transform infrared and carbon-13 cross-polarization/magic-angle spinning nuclear magnetic resonance spectroscopy. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003 , 41, 1099-1111 | 2.6 | 23 |
| 118 | Completely miscible ternary blendsIII. Poly(vinylidene fluoride)-poly(methyl methacrylate)-poly(vinyl acetate). <i>European Polymer Journal</i> , 1996 , 32, 1409-1413 | 5.2 | 23 |
| 117 | Crystallization of rare earth oxide-filled polypropylene. <i>Journal of Applied Polymer Science</i> , 1993 , 47, 2111-2116 | 2.9 | 23 |
| 116 | Overcoming interfacial affinity issues in natural fiber reinforced polylactide biocomposites by surface adsorption of amphiphilic block copolymers. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 276-83 | 9.5 | 22 |
| 115 | Interphase study of thermoplastic modified epoxy matrix composites: Phase behaviour around a single fibre influenced by heating rate and surface treatment. <i>Composites Part A: Applied Science and Manufacturing</i> , 2010 , 41, 787-794 | 8.4 | 22 |

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| 114 | Epoxy resin/poly(ethylene oxide) (PEO) and poly(ϵ -caprolactone) (PCL) blends cured with 1,3,5-trihydroxybenzene: miscibility and intermolecular interactions. <i>Colloid and Polymer Science</i> , 2003 , 281, 1015-1024 | 2.4 | 22 |
| 113 | Fabrication of superhydrophobic surfaces by smoke deposition and application in oil/water separation. <i>RSC Advances</i> , 2015 , 5, 71329-71335 | 3.7 | 21 |
| 112 | Poly (sodium p-styrene sulfonate) modified Fe ₃ O ₄ nanoparticles as effective additives in water-based drilling fluids. <i>Journal of Petroleum Science and Engineering</i> , 2018 , 165, 786-797 | 4.4 | 21 |
| 111 | A simple and effective approach to vesicles and large compound vesicles via complexation of amphiphilic block copolymer with polyelectrolyte in water. <i>Macromolecular Rapid Communications</i> , 2012 , 33, 401-6 | 4.8 | 21 |
| 110 | Influence of miscibility phenomenon on crystalline polymorph transition in poly(vinylidene fluoride)/acrylic rubber/clay nanocomposite hybrid. <i>PLoS ONE</i> , 2014 , 9, e88715 | 3.7 | 21 |
| 109 | CRYSTALLINE STRUCTURES AND PHASE AND POLYMORPHS TRANSFORMATION INDUCED BY NANOCCLAY IN PVDF-BASED NANOCOMPOSITE. <i>Nano</i> , 2014 , 09, 1450065 | 1.1 | 21 |
| 108 | Solid-state n.m.r. investigation of crosslinkable blends of novolac and poly(ϵ -caprolactone). <i>Polymer</i> , 1999 , 40, 27-33 | 3.9 | 21 |
| 107 | Crystallization kinetics of crosslinkable polymer complexes of novolac resin and poly(ethylene oxide) 1999 , 37, 2726-2736 | | 21 |
| 106 | The preparation of novel nanofilled polymer composites using poly(L-lactic acid) and protein fibers. <i>European Polymer Journal</i> , 2011 , 47, 1279-1283 | 5.2 | 20 |
| 105 | Study on the oriented recrystallization of carbon-coated polyethylene oriented ultrathin films. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 13104-9 | 3.4 | 20 |
| 104 | Polyurethanes from 2,4-toluene diisocyanate and a mixture of castor oil and hydroxyether of bisphenol-A. <i>European Polymer Journal</i> , 1990 , 26, 1177-1180 | 5.2 | 20 |
| 103 | Thermosets 2012 , | | 20 |
| 102 | Preparation and characterization of nanocomposite films based on gum arabic, maltodextrin and polyethylene glycol reinforced with turmeric nanofiber isolated from turmeric spent. <i>Materials Science and Engineering C</i> , 2019 , 97, 723-729 | 8.3 | 20 |
| 101 | Novel Biodegradable Graft-Modified Water-Soluble Copolymer Using Acrylamide and Konjac Glucomannan for Enhanced Oil Recovery. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 942-951 | 3.9 | 19 |
| 100 | Miscibility, phase behavior, and mechanical properties of ternary blends of poly(vinyl chloride)/polystyrene/chlorinated polyethylene-graft-polystyrene. <i>Journal of Applied Polymer Science</i> , 1998 , 69, 995-1003 | 2.9 | 19 |
| 99 | Phase behaviour, mechanical properties and thermal stability of thermosetting polymer blends of unsaturated polyester resin and poly(ethylene oxide). <i>Journal of Materials Science</i> , 1999 , 34, 123-128 | 4.3 | 19 |
| 98 | A new route to prepare multiresponsive organogels from a block ionomer via charge-driven assembly. <i>Chemical Communications</i> , 2013 , 49, 5076-8 | 5.8 | 18 |
| 97 | Fabrication and characterization of transparent and biodegradable cellulose/poly (vinyl alcohol) blend films using an ionic liquid. <i>Cellulose</i> , 2013 , 20, 2517-2527 | 5.5 | 18 |

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| 96 | Viscometric study of polymer-polymer interactions in ternary systemsII. The influence of solvent. <i>European Polymer Journal</i> , 1998 , 34, 1303-1308 | 5.2 | 18 |
| 95 | Isorefractive high internal phase emulsion organogels for light induced reactions. <i>Chemical Communications</i> , 2016 , 52, 4561-4 | 5.8 | 17 |
| 94 | Does dynamic vulcanization induce phase separation?. <i>Soft Matter</i> , 2014 , 10, 5550-8 | 3.6 | 17 |
| 93 | High internal phase emulsion (HIPE) organogels prepared from charge-driven assembled polymer organogels. <i>Chemical Communications</i> , 2013 , 49, 11803-5 | 5.8 | 17 |
| 92 | A simple method to prepare monodisperse and size-tunable carbon nanospheres from phenolic resin. <i>Carbon</i> , 2013 , 52, 464-467 | 10.4 | 17 |
| 91 | Nanostructures and thermomechanical properties of epoxy thermosets containing reactive diblock copolymer. <i>Journal of Applied Polymer Science</i> , 2010 , 115, 2110-2118 | 2.9 | 17 |
| 90 | A DSC study on miscible blends containing two crystalline components: poly(ϵ -caprolactone)/poly[3,3-bis(chloromethyl)oxetane]. <i>Die Makromolekulare Chemie</i> , 1990 , 191, 2639-2645 | | 17 |
| 89 | Covalent/crystallite cross-linked co-network hydrogels: An efficient and simple strategy for mechanically strong and tough hydrogels. <i>Chemical Engineering Journal</i> , 2016 , 301, 92-102 | 14.7 | 17 |
| 88 | Synthesis and characterization of dendritic star-shaped poly(ϵ -caprolactone)-block-poly(L-lactide) block copolymers. <i>Journal of Applied Polymer Science</i> , 2007 , 106, 417-424 | 2.9 | 16 |
| 87 | Stable superhydrophobic surface based on silicone combustion product. <i>RSC Advances</i> , 2014 , 4, 56259-56262 | 5.7 | 15 |
| 86 | Phase inversion of ionomer-stabilized emulsions to form high internal phase emulsions (HIPEs). <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 16033-9 | 3.6 | 15 |
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