

Qiang Fu

List of Publications by Year in Descending Order

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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	Enhanced thermal conductivity and wear resistance of polytetrafluoroethylene via incorporating hexagonal boron nitride and alumina particles. <i>Journal of Applied Polymer Science</i> , 2022 , 139, 51497	2.9	4
279	The effect of filler permittivity on the dielectric properties of polymer-based composites. <i>Composites Science and Technology</i> , 2022 , 222, 109342	8.6	2
278	The preparation of high performance Multi-functional porous sponge through a biomimic coating strategy based on polyurethane dendritic colloids. <i>Chemical Engineering Journal</i> , 2022 , 438, 135659	14.7	2
277	Preparation of Low-k Poly(dicyclopentadiene) nanocomposites with excellent comprehensive properties by adding larger POSS. <i>Chemical Engineering Journal</i> , 2022 , 439, 135737	14.7	1
276	Fabricating high performance multi-functional hygroelectric generator through a biomimic approach. <i>Nano Energy</i> , 2022 , 98, 107241	17.1	2
275	para-Aramid Nanofiber Membranes for High-Performance and Multifunctional Materials. <i>ACS Applied Nano Materials</i> , 2022 , 5, 747-758	5.6	0
274	Improving the flexibility of graphene nanosheets films by using aramid nanofiber framework. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021 , 142, 106265	8.4	4
273	Ultrahigh sensitivity and wide strain range of porous pressure sensor based on binary conductive fillers by in-situ polymerization. <i>Journal of Polymer Research</i> , 2021 , 28, 1	2.7	3
272	Importance of Low-Temperature Melt-Mixing on the Construction of Stereocomplex Crystallites with Superior Nucleation Efficiency in Asymmetric Poly(L-lactide)/Poly(D-lactide) Blends. <i>Macromolecular Materials and Engineering</i> , 2021 , 306, 2100091	3.9	3
271	Constructing fibrillated skeleton with highly aligned boron nitride nanosheets confined in alumina fiber via electrospinning and sintering for thermally conductive composite. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021 , 143, 106282	8.4	5
270	A novel method to fabricate two-dimensional nanomaterial based on electrospinning. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021 , 143, 106275	8.4	5
269	Thermo-conductive phase change materials with binary fillers of core-shell-like distribution. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021 , 144, 106326	8.4	6
268	A generalizable strategy toward highly tough and heat-resistant stereocomplex-type polylactide/elastomer blends with substantially enhanced melt processability. <i>Polymer</i> , 2021 , 224, 123736	3.9	13
267	Mussel-Inspired, Injectable Polyurethane Tissue Adhesives Demonstrate In Situ Gel Formation under Mild Conditions.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 5352-5361	4.1	2
266	Improving Impact Toughness of Polylactide/Ethylene-co-vinyl-acetate Blends via Adding Fumed Silica Nanoparticles: Effects of Specific Surface Area-dependent Interfacial Selective Distribution of Silica. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2021 , 39, 1040-1049	3.5	2
265	Polyhedral Oligomeric Silsesquioxanes Based Ultralow-k Materials: The Effect of Cage Size. <i>Advanced Functional Materials</i> , 2021 , 31, 2102074	15.6	9
264	Fully Organic Bulk Polymer with Metallic Thermal Conductivity and Tunable Thermal Pathways. <i>Advanced Science</i> , 2021 , 8, e2004821	13.6	10

263	One-step alkyl-modification on boron nitride nanosheets for polypropylene nanocomposites with enhanced thermal conductivity and ultra-low dielectric loss. <i>Composites Science and Technology</i> , 2021 , 208, 108756	8.6	15
262	Spherical hybrid filler BN@Al ₂ O ₃ via chemical adhesive for enhancing thermal conductivity and processability of silicon rubber. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 51211	2.9	3
261	Engineering the Surface Pattern of Microparticles: From Raspberry-like to Golf Ball-like. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 31215-31225	9.5	2
260	Controlling the selective distribution of hydrophilic silica nanoparticles in polylactide/ethylene-co-vinyl-acetate blends via tailoring the OH surface concentration of silica. <i>Composites Communications</i> , 2021 , 25, 100737	6.7	1
259	Effectively maintaining the disentangled state of isotactic polypropylene in the presence of graphene nanoplatelet. <i>Polymer</i> , 2021 , 226, 123806	3.9	3
258	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
257	Drug-induced hierarchical self-assembly of poly(amino acid) for efficient intracellular drug delivery. <i>Chinese Chemical Letters</i> , 2021 , 32, 1563-1566	8.1	1
256	Fabrication of superhydrophilic and underwater superoleophobic membranes for fast and effective oil/water separation with excellent durability. <i>Journal of Membrane Science</i> , 2021 , 620, 118898	9.6	15
255	Highly thermo-conductive but electrically insulating filament via a volume-confinement self-assembled strategy for thermoelectric wearables. <i>Chemical Engineering Journal</i> , 2021 , 421, 127764	14.7	3
254	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
253	Biodegradable polyurethane nerve guide conduits with different moduli influence axon regeneration in transected peripheral nerve injury. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 7979-7990	7.3	2
252	Effect of mandrel rotation speed on morphology and mechanical properties of polypropylene pipes produced by rotational shear. <i>Journal of Polymer Research</i> , 2021 , 28, 1	2.7	1
251	Tough and biodegradable polyurethane-curcumin composited hydrogel with antioxidant, antibacterial and antitumor properties. <i>Materials Science and Engineering C</i> , 2021 , 121, 111820	8.3	7
250	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
249	Improved dielectric and energy storage properties of polypropylene by adding hybrid fillers and high-speed extrusion. <i>Polymer</i> , 2021 , 214, 123348	3.9	14
248	The effect of cellulose molecular weight on internal structure and properties of regenerated cellulose fibers as spun from the alkali/urea aqueous system. <i>Polymer</i> , 2021 , 215, 123379	3.9	5
247	Stereocomplex Crystallization Induced Significant Improvement in Transparency and Stiffness/Toughness Performance of Core-Shell Rubber Nanoparticles Toughened Poly(l-lactide) Blends. <i>Macromolecular Materials and Engineering</i> , 2021 , 306, 2100021	3.9	2
246	Aramid nanofiber framework supporting graphene nanoplate via wet-spinning for a high-performance filament. <i>Carbon</i> , 2021 , 179, 655-665	10.4	2

245	Dragonfly wing-inspired architecture makes a stiff yet tough healable material. <i>Matter</i> , 2021 , 4, 2474-2482	22.7	22
244	Phase Behaviors of Multi-tailed B2AB2-Type Regio-isomeric Giant Surfactants at the Columnar-Spherical Boundary. <i>Chinese Journal of Chemistry</i> , 2021 , 39, 3261	4.9	2
243	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	12910
242	Ordered Conformation-Regulated Vesicular Membrane Permeability. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 22529-22536	16.4	3
241	Poly(vinyl alcohol)/MXene biomimetic aerogels with tunable mechanical properties and electromagnetic interference shielding performance controlled by pore structure. <i>Polymer</i> , 2021 , 230, 124101	3.9	7
240	Controlled Vertically Aligned Structures in Polymer Composites: Natural Inspiration, Structural Processing, and Functional Application. <i>Advanced Materials</i> , 2021 , e2103495	24	8
239	Highly thermo-conductive yet electrically insulating material with perpendicularly engineered assembly of boron nitride nanosheets. <i>Composites Science and Technology</i> , 2021 , 214, 108995	8.6	4
238	Ordered Conformation-Regulated Vesicular Membrane Permeability. <i>Angewandte Chemie</i> , 2021 , 133, 22703-22710	3.6	0
237	A novel interpenetrating segregated functional filler network structure for ultra-high electrical conductivity and efficient EMI shielding in CPCs containing carbon nanotubes. <i>Materials Today Physics</i> , 2021 , 21, 100483	8	9
236	Superior strength and highly thermoconductive cellulose/ boron nitride film by stretch-induced alignment. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 10304-10315	13	14
235	"Toolbox" for the Processing of Functional Polymer Composites.. <i>Nano-Micro Letters</i> , 2021 , 14, 35	19.5	8
234	Aligned 3D porous polyurethane scaffolds for biological anisotropic tissue regeneration. <i>International Journal of Energy Production and Management</i> , 2020 , 7, 19-27	5.3	9
233	Low-temperature sintering of stereocomplex-type polylactide nascent powder: The role of poly(methyl methacrylate) in tailoring the interfacial crystallization between powder particles. <i>Polymer</i> , 2020 , 210, 123031	3.9	8
232	Biomimetic Approach to Facilitate the High Filler Content in Free-Standing and Flexible Thermoelectric Polymer Composite Films Based on PVDF and AgSe Nanowires. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 51506-51516	9.5	15
231	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
230	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
229	Efficient disentanglement of polycarbonate melts under complex shear field. <i>Polymer</i> , 2020 , 201, 122610	10.9	5
228	Role of Melt Plasticizing Temperature in Morphology and Properties of PE100 Pipes Prepared by a Rotational Shear System. <i>ACS Omega</i> , 2020 , 5, 12660-12671	3.9	2

227	Polymer nanocomposite with enhanced energy storage capacity by introducing hierarchically-designed 1-dimension hybrid nanofiller. <i>Polymer</i> , 2020 , 201, 122608	3.9	11
226	Facile Construction of Porous Magnetic Nanoparticles from Ferrocene-Functionalized Polyhedral Oligomeric Silsesquioxane-Containing Microparticles for Dye Adsorption. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 9532-9540	3.9	12
225	Addressing the challenge of fabricating a high content regenerated cellulose/nanomaterial composite: the magical effect of urea. <i>Green Chemistry</i> , 2020 , 22, 4121-4127	10	4
224	Evolution of iPP/HDPE Morphology under Different Mold Temperatures via Multiflow Vibration Injection Molding: Thermal Field Simulation and Oriented Structures. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 6741-6750	3.9	2
223	Crosslinking Induced Reassembly of Multiblock Polymers: Addressing the Dilemma of Stability and Responsivity. <i>Advanced Science</i> , 2020 , 7, 1902701	13.6	11
222	Multiblock Copolymers toward Segmentation-Driven Morphological Transition. <i>Macromolecules</i> , 2020 , 53, 5992-6001	5.5	9
221	The synergistic effect of hierarchical structure and alkyl chain length on the antifouling and bactericidal properties of cationic/zwitterionic block polymer brushes. <i>Biomaterials Science</i> , 2020 , 8, 6890-6902	7.4	12
220	Balanced physical properties for thermoplastic silicone vulcanizate-based polymer composites containing functional filler. <i>Polymer Composites</i> , 2020 , 41, 4307-4317	3	1
219	The retarded recovery of disentangled state by blending HDPE with ultra-high molecular weight polyethylene. <i>Polymer</i> , 2020 , 192, 122329	3.9	6
218	Shear induced formation and destruction behavior of conductive networks in nickel/polyurethane composites during strain sensing. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020 , 130, 105757	8.4	11
217	Enhanced Hydrolytic Resistance of Fluorinated Silicon-Containing Polyether Urethanes. <i>Biomacromolecules</i> , 2020 , 21, 1460-1470	6.9	6
216	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
215	Fluoride ion encapsulated polyhedral oligomeric silsesquioxane: A novel filler for polymer nanocomposites with enhanced dielectric constant and reduced dielectric loss. <i>Composites Science and Technology</i> , 2020 , 189, 108035	8.6	15
214	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
213	Flexible and Giant Terahertz Modulation Based on Ultra-Strain-Sensitive Conductive Polymer Composites. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 9790-9796	9.5	10
212	Photo-responsive Self-Reducible Polymers: Overcoming the Spatiotemporal Barriers for Hypersensitivity 2020 , 2, 602-609		9
211	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
210	An unusual decrease in dielectric constant due to the addition of nickel hydroxide into silicone rubber. <i>Composites Part B: Engineering</i> , 2020 , 193, 108006	10	13

209	Ultrasensitive Thin-Film Pressure Sensors with a Broad Dynamic Response Range and Excellent Versatility Toward Pressure, Vibration, Bending, and Temperature. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 20998-21008	9.5	19
208	A waterborne polyurethane 3D scaffold containing PLGA with a controllable degradation rate and an anti-inflammatory effect for potential applications in neural tissue repair. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 4434-4446	7.3	18
207	Enhancement of mechanical property and absorption capability of hydrophobically associated polyacrylamide hydrogels by adding cellulose nanofiber. <i>Materials Research Express</i> , 2020 , 7, 015319	1.7	8
206	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
205	Manipulating the Strength-Toughness Balance of Poly(L-lactide) (PLLA) via Introducing Ductile Poly(ϵ -caprolactone) (PCL) and Strong Shear Flow. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 1000-1009	3.9	7
204	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
203	FRET-based polymer materials for detection of cellular microenvironments. <i>Chinese Chemical Letters</i> , 2020 , 31, 1490-1498	8.1	7
202	Toward all stereocomplex-type polylactide with outstanding melt stability and crystallizability via solid-state transesterification between enantiomeric poly(L-lactide) and poly(D-lactide). <i>Polymer</i> , 2020 , 205, 122850	3.9	11
201	Effect of thermal annealing on crystal structure and properties of PLLA/PCL blend. <i>Journal of Polymer Research</i> , 2020 , 27, 1	2.7	6
200	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
199	Effect of Different Shear Modes on Morphology and Mechanical Properties of Polypropylene Pipes Produced by Rotational Shear. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2020 , 38, 1392-1402	3.5	2
198	Green and Economical Strategy for Spinning Robust Cellulose Filaments. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 14927-14937	8.3	7
197	A Dual-Crosslinked and Anisotropic Regenerated Cellulose/Boron Nitride Nanosheets Film With High Thermal Conductivity, Mechanical Strength, and Toughness. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 602318	5.8	1
196	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
195	In Situ Microfibril Structure in Incompatible Isotactic Polypropylene/Poly(lactic Acid) Blends Controlled By Viscosity Ratio. <i>Polymer Engineering and Science</i> , 2020 , 60, 832-840	2.3	1
194	Preparation of modified hexagonal boron nitride by ball-milling and enhanced thermal conductivity of epoxy resin. <i>Materials Research Express</i> , 2019 , 6, 1050d8	1.7	6
193	Property enhancement of poly(butylene succinate)/poly(ethyleneglycol-co-cyclohexane-1,4-dimethanoltterephthalate) blends via high-speed extrusion and in situ fibrillation. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47549	2.9	1
192	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

191	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
190	Largely enhanced energy density of polypropylene based nanocomposites via synergistic hybrid fillers and high shear extrusion assisted dispersion. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019 , 119, 134-144	8.4	20
189	Thermal responsiveness of hydrogen bonding and dielectric property of polybenzoxazines with different Mannich bridge structures. <i>Polymer</i> , 2019 , 175, 302-309	3.9	19
188	Understanding the effect of chain entanglement state on melt crystallization of the polymer freeze-extracted from solution: The role of critical overlap concentration. <i>Polymer</i> , 2019 , 178, 121588	3.9	4
187	Preparation of high-performance cellulose composite membranes from LiOH/urea solvent system. <i>Nanocomposites</i> , 2019 , 5, 49-60	3.4	6
186	Preparation and Properties of Ultrathin Flexible Expanded Graphite Film via Adding Natural Rubber. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2019 , 37, 806-814	3.5	10
185	The effect of multilayered film structure on the dielectric properties of composites films based on P(VDF-HFP)/Ni(OH) ₂ . <i>Nanocomposites</i> , 2019 , 5, 36-48	3.4	12
184	Biodegradable, anti-adhesive and tough polyurethane hydrogels crosslinked by triol crosslinkers. <i>Journal of Biomedical Materials Research - Part A</i> , 2019 , 107, 2205-2221	5.4	8
183	High impact performance induced by a synergistic effect of heteroepitaxy and oriented layer-unoriented layer alternated structure in iPP/HDPE injection molded part. <i>Polymer</i> , 2019 , 175, 206-214	3.9	14
182	Symmetry-guided, divergent assembly of regio-isomeric molecular Janus particles. <i>Chemical Communications</i> , 2019 , 55, 6425-6428	5.8	10
181	Albumin-Modified Cationic Nanocarriers To Potentially Create a New Platform for Drug Delivery Systems. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 16421-16429	9.5	13
180	Insight into shear-induced modification for improving processability of polymers: Effect of shear rate on the evolution of entanglement state. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019 , 57, 598-606	2.6	10
179	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
178	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
177	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
176	Symmetry-Dictated Mesophase Formation and Phase Diagram of Perfluorinated Polyhedral Oligomeric Silsesquioxanes. <i>Macromolecules</i> , 2019 , 52, 2361-2370	5.5	13
175	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
174	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

173	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
172	Mechanically Strong Chitin Fibers with Nanofibril Structure, Biocompatibility, and Biodegradability. <i>Chemistry of Materials</i> , 2019 , 31, 2078-2087	9.6	41
171	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
170	Monodispersed hybrid microparticles based on polyhedral oligomeric silsesquioxane with good UV resistance and high thermal stability: From organic to inorganic. <i>Polymer</i> , 2019 , 178, 121609	3.9	17
169	Utilizing ammonium persulfate assisted expansion to fabricate flexible expanded graphite films with excellent thermal conductivity by introducing wrinkles. <i>Carbon</i> , 2019 , 153, 565-574	10.4	19
168	Remarkably Improved Impact Fracture Toughness of Isotactic Polypropylene via Combining the Effects of Shear Layer-Spherulites Layer Alternated Structure and Thermal Annealing. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 15069-15078	3.9	4
167	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
166	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
165	Carbonized polybenzoxazine for electromagnetic interference shielding. <i>Materials Chemistry and Physics</i> , 2019 , 236, 121806	4.4	9
164	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
163	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
162	The role of mandrel rotation speed on morphology and mechanical properties of polyethylene pipes produced by rotational shear. <i>Polymer</i> , 2019 , 184, 121915	3.9	12
161	Stereocomplex-type polylactide with bimodal melting temperature distribution: Toward desirable melt-processability and thermomechanical performance. <i>Polymer</i> , 2019 , 169, 21-28	3.9	17
160	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
159	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
158	Enhancing crystallization and mechanical properties of poly(lactic acid)/milled glass fiber composites via self-assembled nanoscale interfacial structures. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019 , 117, 219-229	8.4	14
157	Facile preparation of polybenzoxazine/graphene nanocomposites for electromagnetic interference shielding. <i>Polymer</i> , 2019 , 162, 20-28	3.9	38
156	The effect of filler morphology on the dielectric performance of polyvinylidene fluoride (PVDF) based composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019 , 118, 336-343	8.4	19

155	Manipulating the Filler Network Structure and Properties of Polylactide/Carbon Black Nanocomposites with the Aid of Stereocomplex Crystallites. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 4232-4240	3.8	20
154	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
153	Simultaneous Improvement of Oxidative and Hydrolytic Resistance of Polycarbonate Urethanes Based on Polydimethylsiloxane/Poly(hexamethylene carbonate) Mixed Macrodiols. <i>Biomacromolecules</i> , 2018 , 19, 2137-2145	6.9	7
152	Enhanced fracture energy during deformation through the construction of an alternating multilayered structure for polyolefin blends. <i>Polymer International</i> , 2018 , 67, 1094-1102	3.3	2
151	Recent progress on thermal conductive and electrical insulating polymer composites. <i>Composites Communications</i> , 2018 , 8, 74-82	6.7	81
150	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
149	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
148	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
147	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
146	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
145	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
144	Improving Damping Properties and Thermal Stability of Epoxy/Polyurethane Grafted Copolymer by Adding Glycidyl POSS. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2018 , 36, 1297-1302	3.5	21
143	Low-temperature sintering of stereocomplex-type polylactide nascent powder: The role of optical purity in directing the chain interdiffusion and cocrystallization across the particle interfaces. <i>Polymer</i> , 2018 , 150, 169-176	3.9	17
142	Largely Improved Stretch Ductility and Form Room-temperature Durability of Poly(vinylidene fluoride) by Incorporating Aliphatic Polyketone. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2018 , 36, 1277-1285	3.5	7
141	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
140	Effect of salt concentration in spinning solution on fiber diameter and mechanical property of electrospun styrene-butadiene-styrene tri-block copolymer membrane. <i>Polymer</i> , 2018 , 153, 61-69	3.9	18
139	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
138	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

137	Morphology and internal structure control over PLA microspheres by compounding PLLA and PDLA and effects on drug release behavior. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 172, 105-112	6	17
136	A biomimetic hierarchical structure with a hydrophilic surface and a hydrophobic subsurface constructed from waterborne polyurethanes containing a self-assembling peptide extender. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 4326-4337	7.3	15
135	Preparation of Polylactide Composite with Excellent Flame Retardance and Improved Mechanical Properties. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2018 , 36, 1385-1393	3.5	13
134	The influence of blend composition and filler on the microstructure, crystallization, and mechanical behavior of polymer blends with multilayered structures. <i>Nanocomposites</i> , 2018 , 4, 178-189	3.4	1
133	Towards polylactide/core-shell rubber blends with balanced stiffness and toughness via the formation of rubber particle network with the aid of stereocomplex crystallites. <i>Polymer</i> , 2018 , 159, 23-31	3.9	21
132	Super Strong All-Cellulose Composite Filaments by Combination of Inducing Nanofiber Formation and Adding Nanofibrillated Cellulose. <i>Biomacromolecules</i> , 2018 , 19, 4386-4395	6.9	20
131	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
130	Gradient Polydopamine Coating: A Simple and General Strategy toward Multishape Memory Effects. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 32922-32934	9.5	20
129	Low-Temperature Sintering of Stereocomplex-Type Polylactide Nascent Powder: From Compression Molding to Injection Molding. <i>Macromolecular Materials and Engineering</i> , 2018 , 303, 1800178	3.9	9
128	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
127	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
126	Understanding the effect of alkyl chains of gemini cations on the physicochemical and cellular properties of polyurethane micelles. <i>Biomaterials Science</i> , 2018 , 6, 1899-1907	7.4	10
125	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
124	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
123	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
122	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
121	Morphology Evolution of Polymer Blends under Intense Shear During High Speed Thin-Wall Injection Molding. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 6257-6270	3.4	12
120	Fabrication of electrospun PVDF nanofibers with higher content of polar phase and smaller diameter by adding a small amount of dioctadecyl dimethyl ammonium chloride. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2017 , 35, 992-1000	3.5	18

119	Tailor-Made Dispersion and Distribution of Stereocomplex Crystallites in Poly(l-lactide)/Elastomer Blends toward Largely Enhanced Crystallization Rate and Impact Toughness. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 6271-6279	3.4	14
118	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
117	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
116	Surface Distribution and Biophysicochemical Properties of Polymeric Micelles Bearing Gemini Cationic and Hydrophilic Groups. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 2138-2149	9.5	20
115	Tailoring the crystalline morphology and mechanical property of olefin block copolymer via blending with a small amount of UHMWPE. <i>Polymer</i> , 2017 , 109, 137-145	3.9	13
114	Low-Temperature Sintering of Stereocomplex-Type Polylactide Nascent Powder: Effect of Crystallinity. <i>Macromolecules</i> , 2017 , 50, 7611-7619	5.5	34
113	Recent Progress on the Confinement, Assembly, and Relaxation of Inorganic Functional Fillers in Polymer Matrix during Processing. <i>Macromolecular Rapid Communications</i> , 2017 , 38, 1700444	4.8	13
112	Recent Advances in Processing of Stereocomplex-Type Polylactide. <i>Macromolecular Rapid Communications</i> , 2017 , 38, 1700454	4.8	91
111	Optically transparent poly(methyl methacrylate) with largely enhanced mechanical and shape memory properties via in-situ formation of polylactide stereocomplex in the matrix. <i>Polymer</i> , 2017 , 126, 231-239	3.9	16
110	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
109	Morphology and mechanical properties of immiscible polyethylene/polyamide12 blends prepared by high shear processing. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2017 , 35, 1132-1142	3.5	14
108	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
107	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
106	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
105	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
104	Ultrahigh-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
103	Crystallographic features of poly(vinylidene fluoride) film upon an attractive substrate of KBr. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 27828-27838	3.6	6
102	Preparation of nylon MXD6/EG/CNTs ternary composites with excellent thermal conductivity and electromagnetic interference shielding effectiveness. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2017 , 35, 1497-1507	3.5	21

101	Achieving excellent dispersion and electrical conductivity of olefin block copolymer/MWCNTs composites efficiently via high-shear processing. <i>Polymer</i> , 2017 , 123, 65-72	3.9	21
100	Gemini quaternary ammonium salt waterborne biodegradable polyurethanes with antibacterial and biocompatible properties. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 361-368	7.8	30
99	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
98	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
97	Largely enhanced electrical properties of polymer composites via the combined effect of volume exclusion and synergy. <i>RSC Advances</i> , 2016 , 6, 51900-51907	3.7	8
96	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
95	Toward multi-functional polymer composites through selectively distributing functional fillers. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016 , 82, 20-33	8.4	8
94	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
93	Using POSS γ 60 giant molecules as a novel compatibilizer for PS/PMMA polymer blends. <i>RSC Advances</i> , 2016 , 6, 18924-18928	3.7	14
92	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
91	Dual-functional anticoagulant and antibacterial blend coatings based on gemini quaternary ammonium salt waterborne polyurethane and heparin. <i>RSC Advances</i> , 2016 , 6, 17336-17344	3.7	11
90	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
89	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
88	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
87	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
86	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
85	Multifunctional Mixed Micelles Cross-Assembled from Various Polyurethanes for Tumor Therapy. <i>Biomacromolecules</i> , 2016 , 17, 2148-59	6.9	17
84	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

83	Processing condition induced structural evolution in the alternating multi-layer structure during high speed thin-wall injection molding. <i>Polymer</i> , 2016 , 99, 49-58	3.9	8
82	Property enhancement of graphene fiber by adding small loading of cellulose nanofiber. <i>Nanocomposites</i> , 2016 , 2, 8-17	3.4	9
81	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
80	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
79	Preparation and properties of polystyrene nanocomposites containing dumbbell-shaped molecular nanoparticles based on polyhedral oligomeric silsesquioxane and [60]fullerene. <i>RSC Advances</i> , 2015 , 5, 70051-70058	3.7	7
78	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
77	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
76	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
75	Effects of interaction between a polycation and a nonionic polymer on their cross-assembly into mixed micelles. <i>Soft Matter</i> , 2015 , 11, 4197-207	3.6	13
74	Synthesis and antibacterial characterization of waterborne polyurethanes with gemini quaternary ammonium salt. <i>Science Bulletin</i> , 2015 , 60, 1114-1121	10.6	34
73	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
72	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
71	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
70	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
69	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
68	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
67	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
66	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

65	The resistivity-strain behavior of conductive polymer composites: stability and sensitivity. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 17085-17098	13	132
64	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
63	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
62	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
61	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
60	Disulfide bond bridge insertion turns hydrophobic anticancer prodrugs into self-assembled nanomedicines. <i>Nano Letters</i> , 2014 , 14, 5577-83	11.5	177
59	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
58	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
57	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
56	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
55	Low-dimensional carbonaceous nanofiller induced polymer crystallization. <i>Progress in Polymer Science</i> , 2014 , 39, 555-593	29.6	124
54	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
53	Control of the hierarchical structure of polymer articles via β -structuring processing. <i>Progress in Polymer Science</i> , 2014 , 39, 891-920	29.6	54
52	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
51	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
50	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
49	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
48	Construction of targeting-clickable and tumor-cleavable polyurethane nanomicelles for multifunctional intracellular drug delivery. <i>Biomacromolecules</i> , 2013 , 14, 4407-19	6.9	98

47	Preparation of expanded graphite/poly (phenylene sulfide) composites with high thermal and electrical conductivity by rotating solid-state premixing and melt processing. <i>Journal of Materials Science</i> , 2013 , 48, 1932-1939	4.3	16
46	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
45	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
44	Fabrication of highly stretchable conductors via morphological control of carbon nanotube network. <i>Small</i> , 2013 , 9, 3620-9	11	59
43	An Approach for the Sphere-to-Rod Transition of Multiblock Copolymer Micelles.. <i>ACS Macro Letters</i> , 2013 , 2, 146-151	6.6	32
42	Synthesis and microphase separated structures of polydimethylsiloxane/polycarbonate-based polyurethanes. <i>RSC Advances</i> , 2013 , 3, 8291	3.7	24
41	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
40	Thermal annealing-induced superior toughness in polypropylene/poly(ethylene glycol) blend and its structural origin. <i>Polymer Engineering and Science</i> , 2013 , 53, 2053-2060	2.3	6
39	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
38	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
37	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
36	Stereocomplex formation of high-molecular-weight polylactide: A low temperature approach. <i>Polymer</i> , 2012 , 53, 5449-5454	3.9	131
35	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
34	Self-assembly of biodegradable polyurethanes for controlled delivery applications. <i>Soft Matter</i> , 2012 , 8, 5414	3.6	116
33	Efficient electromagnetic interference shielding of lightweight graphene/polystyrene composite. <i>Journal of Materials Chemistry</i> , 2012 , 22, 18772		423
32	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
31	Molecular engineered super-nanodevices: smart and safe delivery of potent drugs into tumors. <i>Advanced Materials</i> , 2012 , 24, 3639-45	24	100
30	Alternating multilayer structure of polyethylene/polypropylene blends obtained through injection molding. <i>Journal of Applied Polymer Science</i> , 2012 , 124, n/a-n/a	2.9	2

29	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
28	Control of Crystal Morphology in Poly(L-lactide) by Adding Nucleating Agent. <i>Macromolecules</i> , 2011 , 44, 1233-1237	5.5	171
27	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
26	Cellular uptake of polyurethane nanocarriers mediated by gemini quaternary ammonium. <i>Biomaterials</i> , 2011 , 32, 9515-24	15.6	67
25	Epitaxial crystallization and oriented structure of linear low-density polyethylene/isotactic polypropylene blends obtained via dynamic packing injection molding. <i>Polymers for Advanced Technologies</i> , 2011 , 22, 225-231	3.2	8
24	Preparation of high performance conductive polymer fibres from double percolated structure. <i>Journal of Materials Chemistry</i> , 2011 , 21, 6401		65
23	Shish-like cylindrical structures resulted from periodical shear-induced crystallization of isotactic polypropylene. <i>Polymer</i> , 2011 , 52, 2970-2978	3.9	52
22	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
21	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
20	Biodegradable gemini multiblock poly(ϵ -caprolactone urethane)s toward controllable micellization. <i>Soft Matter</i> , 2010 , 6, 2087	3.6	46
19	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
18	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
17	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
16	New Understanding in Tuning Toughness of Polypropylene: The Role of Nucleated Crystalline Morphology. <i>Macromolecules</i> , 2009 , 42, 9325-9331	5.5	241
15	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
14	Shish-like structure 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
13	Mechanical Property, Thermal Property and Crystal Structure of Isotactic Polypropylene Samples Prepared by Vibration Injection Molding. <i>Polymer Bulletin</i> , 2008 , 59, 855-864	2.4	14
12	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

11	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, 819-825	3.9	35
10	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
9	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
8	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
7	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
6	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	
5	A Structured Phase Change Material with Controllable Thermoconductive Highways Enables Unparalleled Electricity via Solar-Thermal-Electric Conversion. <i>Advanced Functional Materials</i> , 2109255	15.6	6
4	Improving high-temperature energy storage performance of PI dielectric capacitor films through boron nitride interlayer. <i>Advanced Composites and Hybrid Materials</i> , 1	8.7	11
3	Design and Construction of Deformable Heaters: Materials, Structure, and Applications. <i>Advanced Electronic Materials</i> , 2100452	6.4	7
2	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
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	