

Qiang Zheng

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275
papers

5,970
citations

38
h-index

64
g-index

288
ext. papers

7,307
ext. citations

5.3
avg, IF

6.24
L-index

#	Paper	IF	Citations
275	Time dependence of piezoresistance for the conductor-filled polymer composites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2000 , 38, 2739-2749	2.6	219
274	Environmentally friendly reduced graphene oxide as a broad-spectrum adsorbent for anionic and cationic dyes via π -interactions. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 12126-12135	13	160
273	Magnetocaloric effect and magnetic-field-induced shape recovery effect at room temperature in ferromagnetic Heusler alloy NiMnNb. <i>Journal Physics D: Applied Physics</i> , 2007 , 40, 5523-5526	3	154
272	Wrapping Carbon Nanotubes in Pyrene-Containing Poly(phenylacetylene) Chains: Solubility, Stability, Light Emission, and Surface Photovoltaic Properties. <i>Macromolecules</i> , 2006 , 39, 8011-8020	5.5	152
271	3D Multiscale Superhydrophilic Sponges with Delicately Designed Pore Size for Ultrafast Oil/Water Separation. <i>Advanced Functional Materials</i> , 2017 , 27, 1704293	15.6	136
270	Critical size and strength of the best bulk metallic glass former in the MgCuZd ternary system. <i>Scripta Materialia</i> , 2007 , 56, 161-164	5.6	134
269	Creating Oxygen Vacancies as a Novel Strategy To Form Tetrahedrally Coordinated Ti ⁴⁺ in Fe/TiO ₂ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 7219-7226	3.8	130
268	Ultrastiff and Tough Supramolecular Hydrogels with a Dense and Robust Hydrogen Bond Network. <i>Chemistry of Materials</i> , 2019 , 31, 1430-1440	9.6	126
267	MgCu(Y,Nd) pseudo-ternary bulk metallic glasses: The effects of Nd on glass-forming ability and plasticity. <i>Scripta Materialia</i> , 2006 , 55, 541-544	5.6	120
266	A Tough and Stiff Hydrogel with Tunable Water Content and Mechanical Properties Based on the Synergistic Effect of Hydrogen Bonding and Hydrophobic Interaction. <i>Macromolecules</i> , 2018 , 51, 8136-8146	5.5	114
265	Large magnetocaloric effect and enhanced magnetic refrigeration in ternary Gd-based bulk metallic glasses. <i>Journal of Applied Physics</i> , 2008 , 103, 023918	2.5	106
264	Programmed Deformations of 3D-Printed Tough Physical Hydrogels with High Response Speed and Large Output Force. <i>Advanced Functional Materials</i> , 2018 , 28, 1803366	15.6	104
263	Porous poly(vinylidene fluoride) membrane with highly hydrophobic surface. <i>Journal of Applied Polymer Science</i> , 2005 , 98, 1358-1363	2.9	101
262	Dopamine/Silica Nanoparticle Assembled, Microscale Porous Structure for Versatile Superamphiphobic Coating. <i>ACS Nano</i> , 2016 , 10, 2910-21	16.7	96
261	High glass-forming ability correlated with fragility of MgCu(Ag)Zd alloys. <i>Journal of Applied Physics</i> , 2007 , 102, 113519	2.5	93
260	Cooperative deformations of periodically patterned hydrogels. <i>Science Advances</i> , 2017 , 3, e1700348	14.3	84
259	Grafting of copolymers onto graphene by miniemulsion polymerization for conductive polymer composites: improved electrical conductivity and compatibility induced by interfacial distribution of graphene. <i>Polymer Chemistry</i> , 2013 , 4, 2939	4.9	84

258	A flyweight and superelastic graphene aerogel as a high-capacity adsorbent and highly sensitive pressure sensor. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 9074-9080	13	82
257	Doubling the Critical Size for Bulk Metallic Glass Formation in the MgCuY Ternary System. <i>Journal of Materials Research</i> , 2005 , 20, 2252-2255	2.5	82
256	Linear rheology of nanofilled polymers. <i>Journal of Rheology</i> , 2015 , 59, 155-191	4.1	81
255	Site-Specific Pre-Swelling-Directed Morphing Structures of Patterned Hydrogels. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 15974-15978	16.4	80
254	The role of Ni in increasing the reversibility of the hydrogen release from nanoconfined LiBH ₄ . <i>Faraday Discussions</i> , 2011 , 151, 47-58; discussion 95-115	3.6	59
253	A Facile Approach To Prepare Tough and Responsive Ultrathin Physical Hydrogel Films as Artificial Muscles. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 34349-34355	9.5	58
252	Light-steered locomotion of muscle-like hydrogel by self-coordinated shape change and friction modulation. <i>Nature Communications</i> , 2020 , 11, 5166	17.4	56
251	Kirigami-Design-Enabled Hydrogel Multimorphs with Application as a Multistate Switch. <i>Advanced Materials</i> , 2020 , 32, e2000781	24	56
250	Reversibly Transforming a Highly Swollen Polyelectrolyte Hydrogel to an Extremely Tough One and its Application as a Tubular Grasper. <i>Advanced Materials</i> , 2020 , 32, e2005171	24	52
249	Amorphous Mg-based metal foams with ductile hollow spheres. <i>Journal of Applied Physics</i> , 2007 , 102, 023508	2.5	50
248	Dynamic rheological properties for HDPE/CB composite melts. <i>Journal of Applied Polymer Science</i> , 2003 , 88, 2160-2167	2.9	50
247	Nonlinear rheological behavior of silica filled solution-polymerized styrene butadiene rubber. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007 , 45, 2594-2602	2.6	49
246	A Guide for Hydrodynamic Reinforcement Effect in Nanoparticle-filled Polymers. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2016 , 41, 318-346	10.1	49
245	Slide-Ring Cross-Links Mediated Tough Metallosupramolecular Hydrogels with Superior Self-Recoverability. <i>Macromolecules</i> , 2019 , 52, 6748-6755	5.5	43
244	Large magnetic entropy change and enhanced mechanical properties of NiMnSn alloys. <i>Scripta Materialia</i> , 2014 , 75, 26-29	5.6	43
243	Enhanced magnetic refrigeration properties in Mn-rich Ni-Mn-Sn ribbons by optimal annealing. <i>Scientific Reports</i> , 2015 , 5, 11010	4.9	42
242	Estimation of the agglomeration structure for conductive particles and fiber-filled high-density polyethylene through dynamic rheological measurements. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004 , 42, 1199-1205	2.6	42
241	Toughening with little rigidity loss and mechanism for modified polypropylene by polymer particles with core-shell structure. <i>Polymer</i> , 2015 , 65, 81-92	3.9	40

240	Spin-glass behavior and magnetocaloric effect in Tb-based bulk metallic glass. <i>Journal of Magnetism and Magnetic Materials</i> , 2009 , 321, 413-417	2.8	40
239	Dual-Encryption in a Shape-Memory Hydrogel with Tunable Fluorescence and Reconfigurable Architecture. <i>Advanced Materials</i> , 2021 , 33, e2102023	24	39
238	Enhanced large magnetic entropy change and adiabatic temperature change of Ni ₄₃ Mn ₄₆ Sn ₁₁ alloys by a rapid solidification method. <i>Scripta Materialia</i> , 2015 , 104, 41-44	5.6	38
237	Influence of Dangling Chains on Molecular Dynamics of Polyurethanes. <i>Macromolecules</i> , 2013 , 46, 7341-7351	5.5	38
236	Use of WLF-like Function for Describing the Nonlinear Phase Separation Behavior of Binary Polymer Blends. <i>Macromolecules</i> , 2001 , 34, 8483-8489	5.5	38
235	Accelerating solar desalination in brine through ion activated hierarchically porous polyion complex hydrogels. <i>Materials Horizons</i> , 2020 , 7, 3187-3195	14.4	38
234	Distributed Electric Field Induces Orientations of Nanosheets to Prepare Hydrogels with Elaborate Ordered Structures and Programmed Deformations. <i>Advanced Materials</i> , 2020 , 32, e2005567	24	36
233	Water-Triggered Self-Healing Coatings of Hydrogen-Bonded Complexes for High Binding Affinity and Antioxidative Property. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1600167	4.6	36
232	Reconsideration of the Rheology of Silica Filled Natural Rubber Compounds. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 5867-5875	3.4	35
231	Characterization of carbon black-filled immiscible polypropylene/polystyrene blends. <i>Polymer International</i> , 2011 , 60, 823-832	3.3	35
230	Understanding the reinforcement and dissipation of natural rubber compounds filled with hybrid filler composed of carbon black and silica. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2017 , 35, 1436-1446	3.5	33
229	A Facile, Multifunctional, Transparent, and Superhydrophobic Coating Based on a Nanoscale Porous Structure Spontaneously Assembled from Branched Silica Nanoparticles. <i>Advanced Materials Interfaces</i> , 2015 , 2, 1500201	4.6	33
228	Relationship between the positive temperature coefficient of resistivity and dynamic rheological behavior for carbon black-filled high-density polyethylene. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003 , 41, 983-992	2.6	33
227	L-cysteine-reduced graphene oxide/poly(vinyl alcohol) ultralight aerogel as a broad-spectrum adsorbent for anionic and cationic dyes. <i>Journal of Materials Science</i> , 2017 , 52, 5807-5821	4.3	32
226	On time-temperature-concentration superposition principle for dynamic rheology of carbon black filled polymers. <i>Journal of Rheology</i> , 2009 , 53, 1379-1388	4.1	32
225	3D-Printed Ultratough Hydrogel Structures with Titin-like Domains. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 11363-11367	9.5	30
224	Hydrogen bond-reinforced double-network hydrogels with ultrahigh elastic modulus and shape memory property. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2018 , 56, 1281-1286	2.6	30
223	The electric self-heating behavior of graphite-filled high-density polyethylene composites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2000 , 38, 1756-1763	2.6	30

222	Reconstructable Gradient Structures and Reprogrammable 3D Deformations of Hydrogels with Coumarin Units as the Photolabile Crosslinks. <i>Advanced Materials</i> , 2021 , 33, e2008057	24	30
221	Ecomaterials Based on Food Proteins and Polysaccharides. <i>Polymer Reviews</i> , 2014 , 54, 514-571	14	29
220	Polystyrene/Sn/Pb alloy blends. I. Dynamic rheological behavior. <i>Journal of Applied Polymer Science</i> , 2002 , 86, 3166-3172	2.9	28
219	A new polymer composite thermistor having double PTC transitions. <i>Journal of Applied Polymer Science</i> , 2000 , 78, 424-429	2.9	28
218	The formation mechanism of layered double hydroxide nanoscrolls by facile trinal-phase hydrothermal treatment and their adsorption properties. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 23395-23402	13	27
217	Direct Evidence for Percolation of Immobilized Polymer Layer around Nanoparticles Accounting for Sol-Gel Transition in Fumed Silica Dispersions. <i>Langmuir</i> , 2015 , 31, 13478-87	4	27
216	Rheological properties of redox-responsive, associative ferrocene-modified branched poly(ethylene imine) and its modulation by β -cyclodextrin and hydrogen peroxide. <i>Soft Matter</i> , 2010 , 6, 5541	3.6	27
215	Electrostatic-Assembly of Carbon Nanotubes (CNTs) and Polymer Particles in Water: a Facile Approach to Improve the Dispersion of CNTs in Thermoplastics. <i>Macromolecular Rapid Communications</i> , 2006 , 27, 859-864	4.8	27
214	High-density polyethylene/carbon black conductive composites. I. Effect of CB surface modification on its resistivity/temperature behavior. <i>Journal of Applied Polymer Science</i> , 2002 , 83, 3112-3116	2.9	27
213	Effect of an organoclay on the reaction-induced phase-separation kinetics and morphology of a poly(ether imide)/epoxy mixture. <i>Journal of Applied Polymer Science</i> , 2007 , 104, 1205-1214	2.9	26
212	Direct chemical synthesis of well dispersed L10-FePt nanoparticles with tunable size and coercivity. <i>Green Chemistry</i> , 2016 , 18, 417-422	10	25
211	Balanced toughening and strengthening of ethylene-propylene rubber toughened isotactic polypropylene using a poly(styrene- <i>b</i> -ethylene-propylene) diblock copolymer. <i>RSC Advances</i> , 2015 , 5, 20831-20837	3.7	25
210	Effect of vibration on crystal morphology and structure of isotactic polypropylene in nonisothermal crystallization. <i>Journal of Applied Polymer Science</i> , 2004 , 94, 2187-2195	2.9	25
209	Mechanical and thermal properties of nanosized titanium dioxide filled rigid poly(vinyl chloride). <i>Chinese Journal of Polymer Science (English Edition)</i> , 2013 , 31, 325-332	3.5	24
208	Dual-responsive supramolecular inclusion complexes of block copolymer poly(ethylene glycol)-block-poly[(2-dimethylamino)ethyl methacrylate] with β -cyclodextrin. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 2143-2153	2.5	24
207	Reversible nonlinear conduction behavior for high-density polyethylene/graphite powder composites near the percolation threshold. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2001 , 39, 2833-2842	2.6	24
206	Hydrogen-Bond Association-Mediated Dynamics and Viscoelastic Properties of Tough Supramolecular Hydrogels. <i>Macromolecules</i> , 2021 , 54, 4313-4325	5.5	24
205	Engineering Tough Metallosupramolecular Hydrogel Films with Kirigami Structures for Compliant Soft Electronics. <i>Small</i> , 2021 , 17, e2103836	11	24

204	New Insight into Time-Temperature Correlation for Polymer Relaxations Ranging from Secondary Relaxation to Terminal Flow: Application of a Universal and Developed WLF Equation. <i>Polymers</i> , 2017 , 9,	4.5	23
203	Study of poly(vinyl chloride)/acrylonitrile-ethylene-acrylate blends for compatibility, toughness, thermal stability and UV irradiation resistance. <i>Journal of Applied Polymer Science</i> , 2013 , 130, 2143-2151	2.9	23
202	Strategy to construct polyzwitterionic hydrogel coating with antifouling, drag-reducing and weak swelling performance.. <i>RSC Advances</i> , 2019 , 9, 2081-2091	3.7	23
201	Integrated multifunctional flexible electronics based on tough supramolecular hydrogels with patterned silver nanowires. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 7688-7697	7.1	22
200	Study on thermal behavior of impact polypropylene copolymer and its fractions. <i>Journal of Applied Polymer Science</i> , 2011 , 119, 1560-1566	2.9	21
199	Influence of annealing on rheological and conductive behaviors of high-density polyethylene/carbon black composites. <i>Journal of Materials Science</i> , 2009 , 44, 4241-4245	4.3	21
198	Influence of incorporating CaCO ₃ into room temperature vulcanized silicone sealant on its mechanical and dynamic rheological properties. <i>Journal of Applied Polymer Science</i> , 2007 , 103, 2027-2035	2.9	21
197	Influence of annealing on conduction of high-density polyethylene/carbon black composite. <i>Journal of Applied Polymer Science</i> , 2007 , 105, 710-717	2.9	21
196	Monodomain hydrogels prepared by shear-induced orientation and subsequent gelation. <i>RSC Advances</i> , 2016 , 6, 95239-95245	3.7	21
195	Magnetic entropy change in Gd ₉₅ Fe _{2.8} Al _{2.2} amorphous/nanocrystalline ribbons. <i>Scripta Materialia</i> , 2017 , 130, 170-173	5.6	20
194	Crosslinking of low density polyethylene with octavinyl polyhedral oligomeric silsesquioxane as the crosslinker. <i>RSC Advances</i> , 2014 , 4, 44030-44038	3.7	20
193	Rheological scaling and modeling of shear-enhanced crystallization rate of polypropylene. <i>Rheologica Acta</i> , 2006 , 46, 305-316	2.3	20
192	Chain entanglement and molecular dynamics of solution-cast PMMA/SMA blend films affected by hydrogen bonding between casting solvents and polymer chains. <i>RSC Advances</i> , 2015 , 5, 44800-44811	3.7	19
191	Conductive behavior of composites composed of carbon black-filled ethylene-tetrafluoroethylene copolymer. <i>Journal of Materials Science</i> , 2007 , 42, 2903-2906	4.3	18
190	Electric self-heating behavior of acetylene carbon black filled high-density polyethylene composites. <i>Polymer International</i> , 2004 , 53, 1517-1522	3.3	18
189	Photolithographically Patterned Hydrogels with Programmed Deformations. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 94-104	4.5	18
188	Segmental dynamics and physical aging of polystyrene/silver nanocomposites. <i>RSC Advances</i> , 2014 , 4, 20086-20093	3.7	17
187	Effect of Solvent-Assisted Nanoscaled Organo-Gels on Morphology and Performance of Organic Solar Cells. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 16893-16900	3.8	17

186	A novel low-melting-point alloy-loaded polymer composite. I. Effect of processing temperature on the electrical properties and morphology. <i>Journal of Applied Polymer Science</i> , 2000 , 77, 1044-1050	2.9	17
185	Self-Shaping Soft Electronics Based on Patterned Hydrogel with Stencil-Printed Liquid Metal. <i>Advanced Functional Materials</i> , 2021 , 31, 2105481	15.6	17
184	Boundary lubrication by associative mucin. <i>Langmuir</i> , 2015 , 31, 4733-40	4	16
183	Salt response and rheological behavior of acrylamide-sulfobetaine copolymer. <i>Colloid and Polymer Science</i> , 2016 , 294, 389-397	2.4	16
182	A general strategy for the synthesis of layered double hydroxide nanoscrolls on arbitrary substrates: its formation and multifunction. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 19079-19090	13	16
181	Annealing-induced rheological and electric resistance variations in carbon black-filled polymer melts. <i>Colloid and Polymer Science</i> , 2012 , 290, 1837-1842	2.4	16
180	Study on nonlinear phase-separation for PMMA/EMSAN blends by dynamic rheological and small angle light scattering measurements. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006 , 44, 1547-1555	2.6	16
179	Studies on the morphology and the thermal properties of high-density polyethylene filled with graphite. <i>Journal of Materials Science</i> , 2006 , 41, 3175-3178	4.3	16
178	Light Responsive Microstructured Surfaces of Liquid Crystalline Network with Shape Memory and Tunable Wetting Behaviors. <i>Macromolecular Rapid Communications</i> , 2016 , 37, 311-7	4.8	16
177	Control of ZnO nanowire growth and optical properties in a vapor deposition process. <i>Journal of Materials Science and Technology</i> , 2017 , 33, 850-855	9.1	15
176	Rheology of nitrile rubber with hybrid crosslinked network composed of covalent bonding and hydrogen bonding. <i>RSC Advances</i> , 2017 , 7, 15978-15985	3.7	15
175	Influence of Ionic Liquids on Structure and Rheological Behaviors of Silica-Filled Butadiene Rubber. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 18205-18212	3.9	15
174	From tanghulu-like to cattail-like SiC nanowire architectures: interfacial design of nanocellulose composites toward high thermal conductivity. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 14506-14518	13	15
173	Photodirected Morphing Structures of Nanocomposite Shape Memory Hydrogel with High Stiffness and Toughness. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 43631-43640	9.5	15
172	Shear induced self-thickening in chitosan-grafted polyacrylamide aqueous solution. <i>Soft Matter</i> , 2013 , 9, 1835-1843	3.6	15
171	Tough polyion complex hydrogel films of natural polysaccharides. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2017 , 35, 1276-1285	3.5	15
170	Thickening of the Immobilized Polymer Layer Using Trace Amount of Amine and Its Role in Promoting Gelation of Colloidal Nanocomposites. <i>Macromolecules</i> , 2015 , 48, 9015-9023	5.5	15
169	Isothermal crystallization behavior of polypropylene catalloys. <i>Journal of Applied Polymer Science</i> , 2004 , 93, 877-882	2.9	15

168	The dynamic rheological behavior and morphology of nylon/elastomer blends. <i>Journal of Materials Science</i> , 2005 , 40, 5545-5547	4.3	15
167	Ultra-stretchable hydrogels with hierarchical hydrogen bonds. <i>Scientific Reports</i> , 2020 , 10, 11727	4.9	15
166	Magnetocaloric effect in high Gd content Gd-Fe-Al based amorphous/nanocrystalline systems with enhanced Curie temperature and refrigeration capacity. <i>AIP Advances</i> , 2016 , 6, 035220	1.5	15
165	Toughening of ethylene-propylene random copolymer/clay nanocomposites: Comparison of different compatibilizers. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2012 , 30, 853-864	3.5	14
164	Simultaneous measurement of rheological and conductive properties of carbon black filled ethylene-tetrafluoroethylene copolymer. <i>Journal of Materials Science</i> , 2007 , 42, 8757-8759	4.3	14
163	Site Mixing for Engineering Magnetic Topological Insulators. <i>Physical Review X</i> , 2021 , 11,	9.1	14
162	A novel direct reduction method to synthesize ordered Fe-Pt alloy nanoparticles. <i>Journal of Materials Science and Technology</i> , 2019 , 35, 560-567	9.1	14
161	Effect of chemically reduced graphene oxide on the isothermal and non-isothermal phase separation behavior of poly(methyl methacrylate)/poly(styrene-co-acrylonitrile) binary polymer blends. <i>RSC Advances</i> , 2015 , 5, 82259-82270	3.7	13
160	Facile regulation of glutaraldehyde-modified graphene oxide for preparing free-standing papers and nanocomposite films. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2013 , 31, 399-406	3.5	13
159	Influences of compatibilizers on rheology and mechanical properties of propylene random copolymer/styrene-ethylene-butylene-styrene block copolymer/organic-montmorillonite nanocomposites. <i>Journal of Applied Polymer Science</i> , 2013 , 129, 973-982	2.9	13
158	Studies on the steady and dynamic rheological properties of poly(dimethyl-siloxane) filled with calcium carbonate based on superposition of its relative functions. <i>Journal of Applied Polymer Science</i> , 2008 , 107, 1590-1597	2.9	13
157	Reversible nonlinear conduction in high-density polyethylene/acetylene carbon black composites at various ambient temperatures. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004 , 42, 1212-1217	2.6	13
156	Study on the phase separation of thermoplastic-modified epoxy systems by time-resolved small-angle laser light scattering. <i>Journal of Applied Polymer Science</i> , 2002 , 85, 950-956	2.9	13
155	Effects of ionic liquid on cellulosic nanofiller filled natural rubber bionanocomposites. <i>Journal of Colloid and Interface Science</i> , 2021 , 591, 409-417	9.3	13
154	Influences of chemical crosslinking, physical associating, and filler filling on nonlinear rheological responses of polyisoprene. <i>Journal of Rheology</i> , 2020 , 64, 775-784	4.1	12
153	Star Shaped Long Chain Branched Poly (lactic acid) Prepared by Melt Transesterification with Trimethylolpropane Triacrylate and Nano-ZnO. <i>Polymers</i> , 2018 , 10,	4.5	12
152	Influence of crosslinking on crystallization, rheological, and mechanical behaviors of high density polyethylene/ethylene-vinyl acetate copolymer blends. <i>Polymer Engineering and Science</i> , 2014 , 54, 2848-2858	2.3	12
151	Site-Specific Pre-Swelling-Directed Morphing Structures of Patterned Hydrogels. <i>Angewandte Chemie</i> , 2017 , 129, 16190-16194	3.6	12

150	Rheological characterization and morphology of nylon 1212/functional elastomer blends. <i>Journal of Applied Polymer Science</i> , 2009 , 112, 953-962	2.9	12
149	Effect of filler network on dynamic viscoelastic properties of uncured polymethylvinylsiloxanes filled with silica and carbon black. <i>Journal of Applied Polymer Science</i> , 2006 , 99, 3477-3482	2.9	12
148	Study on time-dependent resistance of carbon black-loaded high-density polyethylene composites during the isothermal course. <i>Journal of Applied Polymer Science</i> , 2001 , 79, 2258-2263	2.9	12
147	Piezoresistive Properties of HDPE/Graphite Composites. <i>Journal of Materials Science Letters</i> , 1999 , 18, 35-37		12
146	Patterned Electrode Assisted One-Step Fabrication of Biomimetic Morphing Hydrogels with Sophisticated Anisotropic Structures. <i>Advanced Science</i> , 2021 , 8, e2102353	13.6	12
145	Influence of crosslinking on physical properties of low density polyethylene. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2012 , 30, 837-844	3.5	11
144	Viscoelastic behaviors of shell-crosslinked core-shell nanoparticles suspended in polystyrene solutions. <i>Polymer International</i> , 2012 , 61, 1439-1446	3.3	11
143	EXAFS investigation of the destabilization of the MgNi ₄ (H) system. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 4161-4169	6.7	11
142	Nonlinear phase-separation behavior of poly(methyl methacrylate)/poly(styrene-co-maleic anhydride) blends. <i>Polymer International</i> , 2013 , 62, 676-683	3.3	11
141	Nonlinear stress relaxation of silica filled solution-polymerized styrene-butadiene rubber compounds. <i>Journal of Applied Polymer Science</i> , 2009 , 112, 3569-3574	2.9	11
140	Simultaneous measurement of normal force and electrical resistance during isothermal crystallization for carbon black filled high-density polyethylene. <i>Journal of Materials Science</i> , 2008 , 43, 4828-4833	4.3	11
139	Nonlinear viscoelastic behavior of styrene-[ethylene-(ethylene-propylene)]-styrene block copolymer. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006 , 44, 1309-1319	2.6	11
138	Self-healing and conductivity of chitosan-based hydrogels formed by the migration of ferric ions. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47885	2.9	10
137	Molecular relaxation and dynamic rheology of cluster phase-free ionomers based on lanthanum(III)-neutralized low-carboxylated poly(methyl methacrylate). <i>RSC Advances</i> , 2016 , 6, 66336-66345	2.7	10
136	Nonsphere Drop Impact Assembly of Graphene Oxide Liquid Crystals. <i>ACS Nano</i> , 2019 , 13, 8382-8391	16.7	10
135	Influences of compatibilization and compounding process on electrical conduction and thermal stabilities of carbon black-filled immiscible polypropylene/polystyrene blends. <i>Polymer International</i> , 2013 , 62, 238-245	3.3	10
134	Simultaneously enhancing strength and toughness for impact polypropylene copolymers by regulating the dispersed phase with high density polyethylene. <i>RSC Advances</i> , 2014 , 4, 58999-59008	3.7	10
133	Preparation and properties of wheat gluten/rice protein composites plasticized with glycerol. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2011 , 29, 87-92	3.5	10

132	Influence of siloxane co-segment length and content of waterborne polysiloxane-urethane copolymers on their water resistance, thermal stability and mechanical properties. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2010 , 28, 219-229	3.5	10
131	A Comparison Study of Wheat Gluten Composites Filled with Dialdehyde Starch and Native Starch. <i>Journal of Polymers and the Environment</i> , 2010 , 18, 260-265	4.5	10
130	Study of the nonlinear phase-separation behavior of a polystyrene/poly(vinyl methyl ether) blend using small-angle light scattering. <i>Polymer International</i> , 2010 , 59, 787-795	3.3	10
129	Polystyrene/Sn/Pb alloy blends. II. Effect of alloy particle surface treatment on dynamic rheological behavior. <i>Journal of Applied Polymer Science</i> , 2002 , 86, 3173-3179	2.9	10
128	Self-heating and conduction of an acetylene carbon black filled high-density polyethylene composite at the electric-thermal equilibrium state. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2005 , 43, 2484-2492	2.6	10
127	Large amplitude oscillatory rheology of silica and cellulose nanocrystals filled natural rubber compounds. <i>Journal of Colloid and Interface Science</i> , 2021 , 588, 602-610	9.3	10
126	Dynamics heterogeneity in silica-filled nitrile butadiene rubber. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 46223	2.9	9
125	Fabrication of polypropylene blends with excellent low-temperature toughness and balanced toughness-rigidity by a combination of EPR and SEEPS. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 45714	2.9	9
124	Programmable Multistable Hydrogel Morphs. <i>Advanced Intelligent Systems</i> , 2019 , 1, 1900055	6	9
123	A facile fabrication of polypropylene composites with excellent low-temperature toughness through tuning interfacial area between matrix and rubber dispersion by silica nanoparticles located at the interface. <i>Composites Science and Technology</i> , 2019 , 184, 107846	8.6	9
122	Influence of binary combined systems of antioxidants on the stabilization of peroxide-cured low-density polyethylene. <i>Journal of Applied Polymer Science</i> , 2012 , 126, 1885-1894	2.9	9
121	Fracture surface characteristics and impact properties of poly(butylene terephthalate). <i>Polymer Bulletin</i> , 2010 , 64, 185-196	2.4	9
120	Effect of composition and component structure on thermal behavior and miscibility of polypropylene catalloys. <i>Journal of Applied Polymer Science</i> , 2007 , 106, 448-454	2.9	9
119	Effect of uniaxial pressure on conduction behavior of carbon black filled poly(methyl vinyl siloxane) composites. <i>Science Bulletin</i> , 2005 , 50, 101-107		9
118	Time dependent percolation of carbon black filled polymer composites in response to solvent vapor. <i>Journal of Materials Science</i> , 2005 , 40, 2065-2068	4.3	9
117	Photoregulated Gradient Structure and Programmable Mechanical Performances of Tough Hydrogels with a Hydrogen-Bond Network. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 53376-53384	9.5	9
116	Boundary lubricating properties of hydrophobically modified polyacrylamide. <i>RSC Advances</i> , 2016 , 6, 5695-5702	3.7	9
115	Simultaneous regulation of morphology, crystallization, thermal stability and adsorbability of electrospun polyamide 6 nanofibers via graphene oxide and chemically reduced graphene oxide. <i>RSC Advances</i> , 2016 , 6, 41392-41403	3.7	9

114	High performance Sm-Co powders obtained by crystallization from ball milled amorphous state. <i>Journal of Materials Science and Technology</i> , 2020 , 37, 181-184	9.1	9
113	Preparation and Magnetic Properties of Anisotropic SmCo ₅ /Co Composite Particles. <i>Acta Metallurgica Sinica (English Letters)</i> , 2018 , 31, 143-147	2.5	9
112	Ferrocene-Modified Polyelectrolyte Film-Coated Electrode and Its Application in Glucose Detection. <i>Polymers</i> , 2019 , 11,	4.5	8
111	Synthesis and solution property of acrylamide-sulfobetaine copolymers. <i>Colloid and Polymer Science</i> , 2015 , 293, 797-807	2.4	8
110	Toughening mechanism in impact polypropylene copolymer containing a β nucleating agent. <i>RSC Advances</i> , 2016 , 6, 23117-23125	3.7	8
109	Self-Assembly of CoPt Magnetic Nanoparticle Arrays and its Underlying Forces. <i>Small</i> , 2018 , 14, e1801184	4.4	8
108	Programmed Diffusion Induces Anisotropic Superstructures in Hydrogels with High Mechano-Optical Sensitivity. <i>Advanced Materials Technologies</i> , 2019 , 4, 1900665	6.8	8
107	Mucin from loach skin mucus and its interfacial behavior on gold surface. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2014 , 32, 1381-1389	3.5	8
106	Effect of lanthanide (La(III))-containing ionomer on thermal stabilization of poly(vinyl chloride). <i>Journal of Applied Polymer Science</i> , 2012 , 126, 980-986	2.9	8
105	Formation of β PP in isotactic polypropylene/ethylene-propylene rubber blends: Effects of preparation method, composition, and thermal condition. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007 , 45, 1704-1712	2.6	8
104	Analysis of gas sensing behaviors of carbon black/waterborne polyurethane composites in low concentration organic vapors. <i>Journal of Materials Science</i> , 2007 , 42, 4575-4580	4.3	8
103	The linear viscoelastic behaviors of Nylon1212 blends toughened with elastomer. <i>Journal of Applied Polymer Science</i> , 2008 , 108, 1744-1754	2.9	8
102	Effect of Soft Segments of Waterborne Polyurethane on Organic Vapor Sensitivity of Carbon Black Filled Waterborne Polyurethane Composites. <i>Polymer Journal</i> , 2006 , 38, 799-806	2.7	8
101	Preparing temperature-dependent dynamic rheological properties of polypropylene filled with ultra-fine powdered rubber. <i>Journal of Materials Science</i> , 2004 , 39, 1813-1814	4.3	8
100	Interface Engineering Based on Polydopamine-Assisted Metallization in Highly Thermal Conductive Cellulose/Nanodiamonds Composite Paper. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 17639-17650	8.3	8
99	Toughening mechanism of PP/EPR/SiO ₂ composites with superior low-temperature toughness. <i>Composites Science and Technology</i> , 2021 , 207, 108691	8.6	8
98	Sequentially Controlled Deformations of Patterned Hydrogels into 3D Configurations with Multilevel Structures. <i>Macromolecular Rapid Communications</i> , 2019 , 40, e1800681	4.8	8
97	Stretchable Sponge-like Hydrogels with a Unique Colloidal Network Produced by Polymerization-Induced Microphase Separation. <i>Macromolecules</i> , 2022 , 55, 1424-1434	5.5	8

- 96 Spontaneous and rapid electro-actuated snapping of constrained polyelectrolyte hydrogels.. *Science Advances*, **2022**, 8, eabm9608 14.3 8
- 95 Morphological control of poly(vinylidene fluoride)/layered double hydroxide composite fibers using metal salt anions and their enhanced performance for dye removal. *RSC Advances*, **2017**, 7, 46576-46588 7
- 94 Rheological behavior of hydrophobically modified polysulfobetaine methacrylate aqueous solution. *RSC Advances*, **2015**, 5, 33905-33913 3.7 7
- 93 Non-linear viscoelasticity of vapor grown carbon nanofiber/polystyrene composites. *Journal of Materials Science*, **2011**, 46, 2495-2502 4.3 7
- 92 Experimental observation and computer simulation of conic markings on fracture surfaces of polymers. *Journal of Materials Science*, **2010**, 45, 3088-3095 4.3 7
- 91 Rheological study of microstructures and properties for polymeric materials. *Frontiers of Materials Science in China*, **2007**, 1, 1-6 7
- 90 Influence of preparation methods on the structures and properties for the blends between polyamide 6co6T and polyamide 6: Melt-mixing and in-situ blending. *Journal of Polymer Science, Part B: Polymer Physics*, **2008**, 46, 201-211 2.6 7
- 89 Investigation on LCST behavior of a new amorphous/crystalline polymer blend: Poly(n-methyl methacrylimide)/poly(vinylidene fluoride). *Journal of Polymer Science, Part B: Polymer Physics*, **2008**, 46, 1923-1931 2.6 7
- 88 A query on crystallization temperature-dependent cooling function under nonisothermal condition. *Journal of Polymer Science, Part B: Polymer Physics*, **2006**, 44, 795-800 2.6 7
- 87 Interlayer structure of organically modified montmorillonites: Effect of surfactant loading. *Journal of Materials Research*, **2005**, 20, 357-363 2.5 7
- 86 Programmable Deformations of Biomimetic Composite Hydrogels Embedded with Printed Fibers. *ACS Applied Materials & Interfaces*, **2020**, 12, 57497-57504 9.5 7
- 85 Plastic-Like Supramolecular Hydrogels with Polyelectrolyte/Surfactant Complexes as Physical Cross-links. *Macromolecules*, **2021**, 54, 8052-8066 5.5 7
- 84 Dispersion stability and rheological behavior of suspensions of polystyrene coated fumed silica particles in polystyrene solutions. *Chinese Journal of Polymer Science (English Edition)*, **2012**, 30, 26-35 3.5 6
- 83 Influence of lanthanum stearate and calcium/zinc stabilizers on stabilization efficiency of dibutyltin dilaurate to polyvinyl chloride. *Chinese Journal of Polymer Science (English Edition)*, **2010**, 28, 637-645 3.5 6
- 82 Temperature-dependence of dynamic rheological properties for high-density polyethylene filled with graphite. *Journal of Materials Science*, **2005**, 40, 3539-3541 4.3 6
- 81 Insights into the Payne Effect of Carbon Black Filled Styrene-butadiene Rubber Compounds. *Chinese Journal of Polymer Science (English Edition)*, **2021**, 39, 81-90 3.5 6
- 80 Slight Zinc Doping by an Ultrafast Electrodeposition Process Boosts the Cycling Performance of Layered Double Hydroxides for Ultralong-Life-Span Supercapacitors. *ACS Applied Materials & Interfaces*, **2021**, 13, 38346-38357 9.5 6
- 79 Healable, Recyclable, and Multifunctional Soft Electronics Based on Biopolymer Hydrogel and Patterned Liquid Metal.. *Small*, **2022**, e2201643 11 6

78	Influence of ionic liquid on glass transition, dynamic rheology, and thermal stability of poly(methyl methacrylate)/silica nanocomposites. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 48007	2.9	5
77	Reconstruction of core-shell dispersed particles in impact polypropylene copolymer during extrusion. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2015 , 33, 633-645	3.5	5
76	Effects of nanosilica on crystallization and thermal ageing behaviors of polyethylene terephthalate. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2015 , 33, 697-708	3.5	5
75	Effects of composition on microstructure and crystallization behavior for impact polypropylene copolymer investigated by restructuring the complex core-shell dispersed particles in ternary blends. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2015 , 33, 95-108	3.5	5
74	Shear induced self-thickening of chitosan/ β -cyclodextrin compound solution. <i>RSC Advances</i> , 2016 , 6, 110367-110374	3.7	5
73	Thermo-thickening behavior and its mechanism in a chitosan-graft-polyacrylamide aqueous solution. <i>Soft Matter</i> , 2018 , 14, 6667-6677	3.6	5
72	Investigation and prediction on the nonlinear viscoelastic behaviors of nylon1212 toughened with elastomer. <i>Journal of Applied Polymer Science</i> , 2012 , 123, 1283-1292	2.9	5
71	Negative velocity dependence of friction for poly(2-Acrylamido-2-methyl propanesulfonic acid) hydrogel sliding against a glass surface in the low-velocity region. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014 , 52, 765-772	2.6	5
70	Influence of equibiaxial extensional strain on stress relaxation of glycerol plasticised wheat gluten. <i>Journal of the Science of Food and Agriculture</i> , 2008 , 88, 2350-2356	4.3	5
69	Simultaneous measurement of resistance and viscoelastic responses of carbon black-filled high-density polyethylene subjected to dynamic torsion. <i>Journal of Applied Polymer Science</i> , 2008 , 110, 2001-2008	2.9	5
68	Crystallization and melting behaviour of polypropylene nanocomposites. <i>Polymer International</i> , 2004 , 53, 1087-1092	3.9	5
67	Nonlinear conductive properties and scaling behavior of conductive particle filled high-density polyethylene composites. <i>Science Bulletin</i> , 2005 , 50, 385-395		5
66	Rheological and Mechanical Properties of Silica/Nitrile Butadiene Rubber Vulcanizates with Eco-Friendly Ionic Liquid. <i>Polymers</i> , 2020 , 12,	4.5	5
65	Tough and fluorescent hydrogels composed of poly(hydroxyurethane) and poly(stearyl acrylate-co-acrylic acid) with hydrophobic associations and hydrogen bonds as the physical crosslinks. <i>Journal of Polymer Science</i> , 2021 , 59, 904-911	2.4	5
64	Revealing the three-dimensional filler structure in a rubber matrix based on fluorescein modified layered double hydroxides. <i>RSC Advances</i> , 2017 , 7, 4030-4038	3.7	4
63	Evolution of concentration fluctuation during phase separation of polystyrene/poly(vinyl methyl ether) blend in the presence of nanosilica. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2017 , 55, 1337-1349	2.6	4
62	Molecular dynamics and phase behavior of polystyrene/poly(vinyl methyl ether) blend in the presence of nanosilica. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2017 , 35, 1524-1539	3.5	4
61	Low beryllium content Zr-based bulk metallic glass composite with plasticity and work hardenability. <i>Journal of Applied Physics</i> , 2014 , 115, 043519	2.5	4

60	Assessment of hindered phenol antioxidants on processing stability of peroxide-cure LDPE by rheology and DSC analysis. <i>Journal of Applied Polymer Science</i> , 2012 , 126, 939-946	2.9	4
59	Finite element simulation for yield stress of hard poly(vinyl chloride)/acrylonitrile-butadiene-styrene blends at different crosshead speeds. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2011 , 29, 757-761	3.5	4
58	Preparation and properties of wheat gluten/silica composites. <i>Science in China Series B: Chemistry</i> , 2009 , 52, 257-260		4
57	The gelation behaviors of the reactive blends of nylon1212 and functional elastomer. <i>Journal of Materials Science</i> , 2008 , 43, 5755-5762	4.3	4
56	Dynamic viscoelasticity of low-density polyethylene/in-situ-grafted carbon black composite. <i>Journal of Applied Polymer Science</i> , 2006 , 100, 4127-4132	2.9	4
55	Study on the viscoelastic behavior of SEEPS block copolymer based on a modified BSW model. <i>Science Bulletin</i> , 2005 , 50, 2171-2175		4
54	Payne Effect and Weak Overshoot in Rubber Nanocomposites. <i>Chinese Journal of Polymer Science (English Edition)</i> , 1	3.5	4
53	Exchange-coupled nanocomposites with novel microstructure and enhanced remanence by a new approach. <i>Journal of Materials Science and Technology</i> , 2021 , 79, 118-122	9.1	4
52	Rheological behavior of fumed silica filled polyethylene oxide. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019 , 57, 397-405	2.6	4
51	Bioinspired, Recyclable, Stretchable Hydrogel with Boundary Ultralubrication. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 42240-42249	9.5	4
50	Rheological and Interfacial Properties of Colloidal Electrolytes. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2019 , 37, 1039-1044	3.5	3
49	Superamphiphobic Porous Structure: Design and Implementation. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1801973	4.6	3
48	Effects of chain entanglement on liquid-liquid phase separation behavior of LCST-type polymer blends: Cloud point and decomposition rate. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2015 , 33, 869-879	3.5	3
47	Enhancing Performances of Polyamide 66 Short Fiber/Natural Rubber Composites via In Situ Vulcanization Reaction. <i>Fibers and Polymers</i> , 2020 , 21, 392-398	2	3
46	Rheological behavior and molecular relaxation of polycations with macrocounterions in aqueous solutions. <i>Polymer Chemistry</i> , 2016 , 7, 89-100	4.9	3
45	Solubility and solution rheology of acrylamide-sulfobetaine copolymers. <i>Colloid and Polymer Science</i> , 2014 , 292, 2185-2195	2.4	3
44	Influence of ZnSt ₂ on structure of acrylate-based ionomers with different lanthanide (La(III)) ion and acid contents. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2012 , 30, 316-327	3.5	3
43	Table-like magnetocaloric effect in GdNiAl amorphous/nanocrystalline composites. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 355601	3	3

42	Rheological properties of wheat gliadins in aqueous propanol. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2013 , 31, 809-814	3.5	3
41	Glass transition of hydrated wheat gliadin powders. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2011 , 29, 483-489	3.5	3
40	Solution properties of hydrophobically modified polyelectrolytes synthesized via solution and micellar copolymerization. <i>Polymer International</i> , 2011 , 60, 353-361	3.3	3
39	Time dependences of conduction and self-heating in acetylene carbon black-filled high-density polyethylene composites. <i>Journal of Applied Polymer Science</i> , 2006 , 99, 1124-1131	2.9	3
38	Nonlinear conduction of irradiation-crosslinked high-density polyethylene/acetylene carbon black composites at the electric-thermal equilibrium state. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006 , 44, 1979-1984	2.6	3
37	Influence of thermal treatment on photoconductive properties for TiOPc/SAN composites. <i>Journal of Materials Science Letters</i> , 2003 , 22, 1763-1765		3
36	Electrical resistance response of poly(ethylene oxide)-based conductive composites to organic vapors: Effect of filler content, vapor species, and temperature. <i>Journal of Applied Polymer Science</i> , 2005 , 98, 1517-1523	2.9	3
35	3D printing of a tough double-network hydrogel and its use as a scaffold to construct a tissue-like hydrogel composite.. <i>Journal of Materials Chemistry B</i> , 2022 ,	7.3	3
34	Synthesis, characterization, and single-crystal growth of a high-entropy rare-earth pyrochlore oxide. <i>Physical Review Materials</i> , 2020 , 4,	3.2	3
33	Mg-Cu(Ag)-Gd Bulk Metallic Glass Forming Alloy: Phase Selection of Melt Crystallization. <i>Science of Advanced Materials</i> , 2012 , 4, 969-977	2.3	3
32	Solvent-Cast-Assisted Printing of Biomimetic Morphing Hydrogel Structures with Solvent Evaporation-Induced Swelling Mismatch. <i>Advanced Functional Materials</i> , 2108548	15.6	3
31	Influence of molecular weight on molecular dynamics and dynamic rheology of polypropylene glycol filled with silica.. <i>RSC Advances</i> , 2018 , 8, 31972-31978	3.7	3
30	Payne effect of carbon black filled natural rubber nanocomposites: Influences of extraction, crosslinking, and swelling. <i>Journal of Rheology</i> , 2021 , 65, 807-820	4.1	3
29	High energy product of isotropic bulk Sm-Co/Fe(Co) nanocomposite magnet with multiple hard phases and nanoscale grains. <i>Journal of Materials Science and Technology</i> , 2021 , 88, 183-188	9.1	3
28	Magnetorheological elastomer peristaltic pump capable of flow and viscosity control. <i>Journal of Intelligent Material Systems and Structures</i> , 2020 , 31, 1314-1324	2.3	2
27	Introducing the reversible chemistry of CO ₂ with diols mediated by organic superbases into polycarbonate synthesis. <i>Green Chemistry</i> , 2020 , 22, 4871-4877	10	2
26	Influence of annealing time on linear rheology and morphology of silica filled polyisoprene rubber and ethylene-propylene rubber. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 46679	2.9	2
25	Rheologic studies on chemical cross-linking kinetics for LDPE. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2012 , 30, 378-386	3.5	2

24	Preliminary investigation of a second thermoplastic modifier incorporation effect on the phase behavior and morphology of epoxy/PEI curing systems. <i>Journal of Materials Science Letters</i> , 2002 , 21, 585-587		2
23	Synergic influences of network topologies and associative interactions on the microstructures and bulk performances of hydrogels. <i>Journal of Materials Chemistry B</i> , 2021 ,	7.3	2
22	Introducing the Tishchenko reaction into sustainable polymer chemistry. <i>Green Chemistry</i> , 2020 , 22, 1542-1547	10.5	2
21	Influence of Liquid Isoprene Rubber on Strain Softening of Carbon Black Filled Isoprene Rubber Nanocomposites. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2021 , 39, 887-895	3.5	2
20	Anisotropic nanocomposite films of hydroxypropylcellulose and graphene oxide with multi-responsiveness.. <i>RSC Advances</i> , 2019 , 9, 28876-28885	3.7	1
19	Dynamics and Rheological Behavior of Chitosan-Grafted-Polyacrylamide in Aqueous Solution upon Heating. <i>Polymers</i> , 2020 , 12,	4.5	1
18	Influence of the acid content of (acrylate processing aid)-based lanthanum(III)-neutralized ionomer on the thermal degradation and fusion behavior of rigid poly(vinyl chloride). <i>Journal of Vinyl and Additive Technology</i> , 2013 , 19, 86-93	2	1
17	Influence of sodium and calcium ions on rheological behaviour of wheat glutenins extracted in alkaline ethanol solution. <i>International Journal of Food Science and Technology</i> , 2009 , 44, 1743-1747	3.8	1
16	Shear induced crystallization of high-density polyethylene. <i>Central South University</i> , 2007 , 14, 174-177		1
15	Influence of irradiation crosslinking on the self-heating and conduction of an acetylene carbon black filled high-density polyethylene composite in the electric thermal equilibrium state. <i>Journal of Applied Polymer Science</i> , 2008 , 110, 3009-3013	2.9	1
14	Influence of irradiation crosslinking on time dependences of conduction and self-heating in acetylene carbon black filled high-density polyethylene composites. <i>Journal of Applied Polymer Science</i> , 2006 , 101, 4418-4422	2.9	1
13	Enhanced magnetic properties of anisotropic Nd-Fe-B nanocomposites by Fe(C) coating. <i>Journal of Rare Earths</i> , 2020 , 38, 84-89	3.7	1
12	Strain Softening of Bimodal Isoprene Rubber Vulcanizates. <i>Macromolecular Materials and Engineering</i> , 2021 , 306, 2000802	3.9	1
11	High-Performance Anisotropic Nanocomposites with a Novel Core/shell Microstructure.. <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5	1
10	Effect of soft magnetic phase addition on the microstructure and properties of SmCo ₅ /FeCo anisotropic nanocomposite powders. <i>Journal of Magnetism and Magnetic Materials</i> , 2022 , 553, 169296	2.8	1
9	A universal post-treatment strategy for biomimetic composite hydrogel with anisotropic topological structure and wide range of adjustable mechanical properties.. <i>Materials Science and Engineering C</i> , 2022 , 112654	8.3	0
8	Thermo-soil weathering and life cycle assessment of carbon black, silica and cellulose nanocrystal filled rubber nanocomposites.. <i>Science of the Total Environment</i> , 2022 , 835, 155521	10.2	0
7	Tripling magnetic energy product in magnetic hard/soft nanocomposite permanent magnets. <i>Materials Today Physics</i> , 2022 , 100750	8	0

- 6 In Situ Transmission Electron Microscopy Observations of the Growth Process of Fe₃O₄@Ag Nanoparticles. *Acta Metallurgica Sinica (English Letters)*, **2020**, 33, 1283-1288 2.5
- 5 An Investigation of Mechanical Properties of Al-Mg Porous Materials with Cell Wall Strengthening. *Advanced Materials Research*, **2012**, 557-559, 42-45 0.5
- 4 Landau Mean-Field Approximation of Percolation in Conductive Polymer Composites. *Macromolecular Symposia*, **2008**, 261, 137-143 0.8
- 3 Modification of electrical properties for carbon black-filled high-density polyethylene through grafting polymer matrix with malefic anhydride. *Journal of Materials Science*, **2005**, 40, 4937-4938 4.3
- 2 Study of SiO₂-filled polysiloxane system through dynamic rheological measurements. *Journal of Materials Science*, **2005**, 40, 249-251 4.3
- 1 Novel poly(methyl methacrylate)-based ionomers used as multifunctional aids to modify poly(vinyl chloride). *Chinese Journal of Polymer Science (English Edition)*, **2016**, 34, 483-490 3.5