

# Qiang Zheng

## 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.

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	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> , <b>2022</b> , 112654	8.3	0
274	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> , <b>2022</b> ,	7.3	3
273	High-Performance Anisotropic Nanocomposites with a Novel Core/shell Microstructure.. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2022</b> ,	9.5	1
272	Effect of soft magnetic phase addition on the microstructure and properties of SmCo <sub>5</sub> /FeCo anisotropic nanocomposite powders. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2022</b> , 553, 169296	2.8	1
271	Stretchable Sponge-like Hydrogels with a Unique Colloidal Network Produced by Polymerization-Induced Microphase Separation. <i>Macromolecules</i> , <b>2022</b> , 55, 1424-1434	5.5	8
270	Spontaneous and rapid electro-actuated snapping of constrained polyelectrolyte hydrogels.. <i>Science Advances</i> , <b>2022</b> , 8, eabm9608	14.3	8
269	Healable, Recyclable, and Multifunctional Soft Electronics Based on Biopolymer Hydrogel and Patterned Liquid Metal.. <i>Small</i> , <b>2022</b> , e2201643	11	6
268	Thermo-soil weathering and life cycle assessment of carbon black, silica and cellulose nanocrystal filled rubber nanocomposites.. <i>Science of the Total Environment</i> , <b>2022</b> , 835, 155521	10.2	0
267	Tripling magnetic energy product in magnetic hard/soft nanocomposite permanent magnets. <i>Materials Today Physics</i> , <b>2022</b> , 100750	8	0
266	Synergic influences of network topologies and associative interactions on the microstructures and bulk performances of hydrogels. <i>Journal of Materials Chemistry B</i> , <b>2021</b> ,	7.3	2
265	Patterned Electrode Assisted One-Step Fabrication of Biomimetic Morphing Hydrogels with Sophisticated Anisotropic Structures. <i>Advanced Science</i> , <b>2021</b> , 8, e2102353	13.6	12
264	Reconstructable Gradient Structures and Reprogrammable 3D Deformations of Hydrogels with Coumarin Units as the Photolabile Crosslinks. <i>Advanced Materials</i> , <b>2021</b> , 33, e2008057	24	30
263	Hydrogen-Bond Association-Mediated Dynamics and Viscoelastic Properties of Tough Supramolecular Hydrogels. <i>Macromolecules</i> , <b>2021</b> , 54, 4313-4325	5.5	24
262	Influence of Liquid Isoprene Rubber on Strain Softening of Carbon Black Filled Isoprene Rubber Nanocomposites. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2021</b> , 39, 887-895	3.5	2
261	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> , <b>2021</b> , 59, 904-911	2.4	5
260	Toughening mechanism of PP/EPR/SiO <sub>2</sub> composites with superior low-temperature toughness. <i>Composites Science and Technology</i> , <b>2021</b> , 207, 108691	8.6	8
259	Site Mixing for Engineering Magnetic Topological Insulators. <i>Physical Review X</i> , <b>2021</b> , 11,	9.1	14

258	Dual-Encryption in a Shape-Memory Hydrogel with Tunable Fluorescence and Reconfigurable Architecture. <i>Advanced Materials</i> , <b>2021</b> , 33, e2102023	24	39
257	Effects of ionic liquid on cellulosic nanofiller filled natural rubber bionanocomposites. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 591, 409-417	9.3	13
256	Exchange-coupled nanocomposites with novel microstructure and enhanced remanence by a new approach. <i>Journal of Materials Science and Technology</i> , <b>2021</b> , 79, 118-122	9.1	4
255	Insights into the Payne Effect of Carbon Black Filled Styrene-butadiene Rubber Compounds. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2021</b> , 39, 81-90	3.5	6
254	Large amplitude oscillatory rheology of silica and cellulose nanocrystals filled natural rubber compounds. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 588, 602-610	9.3	10
253	Strain Softening of Bimodal Isoprene Rubber Vulcanizates. <i>Macromolecular Materials and Engineering</i> , <b>2021</b> , 306, 2000802	3.9	1
252	Self-Shaping Soft Electronics Based on Patterned Hydrogel with Stencil-Printed Liquid Metal. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2105481	15.6	17
251	Bioinspired, Recyclable, Stretchable Hydrogel with Boundary Ultralubrication. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 42240-42249	9.5	4
250	Slight Zinc Doping by an Ultrafast Electrodeposition Process Boosts the Cycling Performance of Layered Double Hydroxides for Ultralong-Life-Span Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 38346-38357	9.5	6
249	Plastic-Like Supramolecular Hydrogels with Polyelectrolyte/Surfactant Complexes as Physical Cross-links. <i>Macromolecules</i> , <b>2021</b> , 54, 8052-8066	5.5	7
248	Engineering Tough Metallosupramolecular Hydrogel Films with Kirigami Structures for Compliant Soft Electronics. <i>Small</i> , <b>2021</b> , 17, e2103836	11	24
247	Payne effect of carbon black filled natural rubber nanocomposites: Influences of extraction, crosslinking, and swelling. <i>Journal of Rheology</i> , <b>2021</b> , 65, 807-820	4.1	3
246	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> , <b>2021</b> , 88, 183-188	9.1	3
245	Reversibly Transforming a Highly Swollen Polyelectrolyte Hydrogel to an Extremely Tough One and its Application as a Tubular Grasper. <i>Advanced Materials</i> , <b>2020</b> , 32, e2005171	24	52
244	Influences of chemical crosslinking, physical associating, and filler filling on nonlinear rheological responses of polyisoprene. <i>Journal of Rheology</i> , <b>2020</b> , 64, 775-784	4.1	12
243	Integrated multifunctional flexible electronics based on tough supramolecular hydrogels with patterned silver nanowires. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 7688-7697	7.1	22
242	Magnetorheological elastomer peristaltic pump capable of flow and viscosity control. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2020</b> , 31, 1314-1324	2.3	2
241	Introducing the reversible chemistry of CO <sub>2</sub> with diols mediated by organic superbases into polycarbonate synthesis. <i>Green Chemistry</i> , <b>2020</b> , 22, 4871-4877	10	2

240	In Situ Transmission Electron Microscopy Observations of the Growth Process of Fe <sub>3</sub> O <sub>4</sub> @Ag Nanoparticles. <i>Acta Metallurgica Sinica (English Letters)</i> , <b>2020</b> , 33, 1283-1288	2.5	
239	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> , <b>2020</b> , 8, 14506-14518	13	15
238	Enhancing Performances of Polyamide 66 Short Fiber/Natural Rubber Composites via In Situ Vulcanization Reaction. <i>Fibers and Polymers</i> , <b>2020</b> , 21, 392-398	2	3
237	Dynamics and Rheological Behavior of Chitosan-Grafted-Polyacrylamide in Aqueous Solution upon Heating. <i>Polymers</i> , <b>2020</b> , 12,	4.5	1
236	Synthesis, characterization, and single-crystal growth of a high-entropy rare-earth pyrochlore oxide. <i>Physical Review Materials</i> , <b>2020</b> , 4,	3.2	3
235	Introducing the Tishchenko reaction into sustainable polymer chemistry. <i>Green Chemistry</i> , <b>2020</b> , 22, 1542-1547	1	2
234	Accelerating solar desalination in brine through ion activated hierarchically porous polyion complex hydrogels. <i>Materials Horizons</i> , <b>2020</b> , 7, 3187-3195	14.4	38
233	Distributed Electric Field Induces Orientations of Nanosheets to Prepare Hydrogels with Elaborate Ordered Structures and Programmed Deformations. <i>Advanced Materials</i> , <b>2020</b> , 32, e2005567	24	36
232	Light-steered locomotion of muscle-like hydrogel by self-coordinated shape change and friction modulation. <i>Nature Communications</i> , <b>2020</b> , 11, 5166	17.4	56
231	Ultra-stretchable hydrogels with hierarchical hydrogen bonds. <i>Scientific Reports</i> , <b>2020</b> , 10, 11727	4.9	15
230	Rheological and Mechanical Properties of Silica/Nitrile Butadiene Rubber Vulcanizates with Eco-Friendly Ionic Liquid. <i>Polymers</i> , <b>2020</b> , 12,	4.5	5
229	Photoregulated Gradient Structure and Programmable Mechanical Performances of Tough Hydrogels with a Hydrogen-Bond Network. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 53376-53384	9.5	9
228	Interface Engineering Based on Polydopamine-Assisted Metallization in Highly Thermal Conductive Cellulose/Nanodiamonds Composite Paper. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 17639-17650	8.3	8
227	Programmable Deformations of Biomimetic Composite Hydrogels Embedded with Printed Fibers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 57497-57504	9.5	7
226	Enhanced magnetic properties of anisotropic Nd-Fe-B nanocomposites by Fe(C) coating. <i>Journal of Rare Earths</i> , <b>2020</b> , 38, 84-89	3.7	1
225	High performance Sm-Co powders obtained by crystallization from ball milled amorphous state. <i>Journal of Materials Science and Technology</i> , <b>2020</b> , 37, 181-184	9.1	9
224	Kirigami-Design-Enabled Hydrogel Multimorphs with Application as a Multistate Switch. <i>Advanced Materials</i> , <b>2020</b> , 32, e2000781	24	56
223	Slide-Ring Cross-Links Mediated Tough Metallosupramolecular Hydrogels with Superior Self-Recoverability. <i>Macromolecules</i> , <b>2019</b> , 52, 6748-6755	5.5	43

222	Rheological and Interfacial Properties of Colloidal Electrolytes. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2019</b> , 37, 1039-1044	3.5	3
221	Influence of Ionic Liquids on Structure and Rheological Behaviors of Silica-Filled Butadiene Rubber. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 18205-18212	3.9	15
220	Anisotropic nanocomposite films of hydroxypropylcellulose and graphene oxide with multi-responsiveness.. <i>RSC Advances</i> , <b>2019</b> , 9, 28876-28885	3.7	1
219	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> , <b>2019</b> , 136, 48007	2.9	5
218	Self-healing and conductivity of chitosan-based hydrogels formed by the migration of ferric ions. <i>Journal of Applied Polymer Science</i> , <b>2019</b> , 136, 47885	2.9	10
217	Superamphiphobic Porous Structure: Design and Implementation. <i>Advanced Materials Interfaces</i> , <b>2019</b> , 6, 1801973	4.6	3
216	Ferrocene-Modified Polyelectrolyte Film-Coated Electrode and Its Application in Glucose Detection. <i>Polymers</i> , <b>2019</b> , 11,	4.5	8
215	Ultrastiff and Tough Supramolecular Hydrogels with a Dense and Robust Hydrogen Bond Network. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 1430-1440	9.6	126
214	Nonsphere Drop Impact Assembly of Graphene Oxide Liquid Crystals. <i>ACS Nano</i> , <b>2019</b> , 13, 8382-8391	16.7	10
213	Programmable Multistable Hydrogel Morphs. <i>Advanced Intelligent Systems</i> , <b>2019</b> , 1, 1900055	6	9
212	Programmed Diffusion Induces Anisotropic Superstructures in Hydrogels with High Mechano-Optical Sensitivity. <i>Advanced Materials Technologies</i> , <b>2019</b> , 4, 1900665	6.8	8
211	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> , <b>2019</b> , 184, 107846	8.6	9
210	Photodirected Morphing Structures of Nanocomposite Shape Memory Hydrogel with High Stiffness and Toughness. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 43631-43640	9.5	15
209	Rheological behavior of fumed silica filled polyethylene oxide. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2019</b> , 57, 397-405	2.6	4
208	Strategy to construct polyzwitterionic hydrogel coating with antifouling, drag-reducing and weak swelling performance.. <i>RSC Advances</i> , <b>2019</b> , 9, 2081-2091	3.7	23
207	Sequentially Controlled Deformations of Patterned Hydrogels into 3D Configurations with Multilevel Structures. <i>Macromolecular Rapid Communications</i> , <b>2019</b> , 40, e1800681	4.8	8
206	Photolithographically Patterned Hydrogels with Programmed Deformations. <i>Chemistry - an Asian Journal</i> , <b>2019</b> , 14, 94-104	4.5	18
205	A novel direct reduction method to synthesize ordered Fe-Pt alloy nanoparticles. <i>Journal of Materials Science and Technology</i> , <b>2019</b> , 35, 560-567	9.1	14

204	Dynamics heterogeneity in silica-filled nitrile butadiene rubber. <i>Journal of Applied Polymer Science</i> , <b>2018</b> , 135, 46223	2.9	9
203	A flyweight and superelastic graphene aerogel as a high-capacity adsorbent and highly sensitive pressure sensor. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 9074-9080	13	82
202	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> , <b>2018</b> , 135, 45714	2.9	9
201	Self-Assembly of CoPt Magnetic Nanoparticle Arrays and its Underlying Forces. <i>Small</i> , <b>2018</b> , 14, e1801184	4	8
200	Programmed Deformations of 3D-Printed Tough Physical Hydrogels with High Response Speed and Large Output Force. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1803366	15.6	104
199	Thermo-thickening behavior and its mechanism in a chitosan-graft-polyacrylamide aqueous solution. <i>Soft Matter</i> , <b>2018</b> , 14, 6667-6677	3.6	5
198	Star Shaped Long Chain Branched Poly (lactic acid) Prepared by Melt Transesterification with Trimethylolpropane Triacrylate and Nano-ZnO. <i>Polymers</i> , <b>2018</b> , 10,	4.5	12
197	Hydrogen bond-reinforced double-network hydrogels with ultrahigh elastic modulus and shape memory property. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2018</b> , 56, 1281-1286	2.6	30
196	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> , <b>2018</b> , 135, 46679	2.9	2
195	Preparation and Magnetic Properties of Anisotropic SmCo5/Co Composite Particles. <i>Acta Metallurgica Sinica (English Letters)</i> , <b>2018</b> , 31, 143-147	2.5	9
194	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> , <b>2018</b> , 51, 8136-8146	5.5	114
193	Influence of molecular weight on molecular dynamics and dynamic rheology of polypropylene glycol filled with silica.. <i>RSC Advances</i> , <b>2018</b> , 8, 31972-31978	3.7	3
192	Revealing the three-dimensional filler structure in a rubber matrix based on fluorescein modified layered double hydroxides. <i>RSC Advances</i> , <b>2017</b> , 7, 4030-4038	3.7	4
191	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> , <b>2017</b> , 52, 5807-5821	4.3	32
190	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> , <b>2017</b> , 55, 1337-1349	2.6	4
189	Reconsideration of the Rheology of Silica Filled Natural Rubber Compounds. <i>Journal of Physical Chemistry B</i> , <b>2017</b> , 121, 5867-5875	3.4	35
188	Control of ZnO nanowire growth and optical properties in a vapor deposition process. <i>Journal of Materials Science and Technology</i> , <b>2017</b> , 33, 850-855	9.1	15
187	Rheology of nitrile rubber with hybrid crosslinked network composed of covalent bonding and hydrogen bonding. <i>RSC Advances</i> , <b>2017</b> , 7, 15978-15985	3.7	15

186	3D-Printed Ultratough Hydrogel Structures with Titin-like Domains. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 11363-11367	9.5	30
185	Magnetic entropy change in Gd <sub>95</sub> Fe <sub>2.8</sub> Al <sub>2.2</sub> amorphous/nanocrystalline ribbons. <i>Scripta Materialia</i> , <b>2017</b> , 130, 170-173	5.6	20
184	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> , <b>2017</b> , 35, 1524-1539	3.5	4
183	3D Multiscale Superhydrophilic Sponges with Delicately Designed Pore Size for Ultrafast Oil/Water Separation. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1704293	15.6	136
182	Site-Specific Pre-Swelling-Directed Morphing Structures of Patterned Hydrogels. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 15974-15978	16.4	80
181	Morphological control of poly(vinylidene fluoride)/layered double hydroxide composite fibers using metal salt anions and their enhanced performance for dye removal. <i>RSC Advances</i> , <b>2017</b> , 7, 46576-46588	2.7	7
180	Tough polyion complex hydrogel films of natural polysaccharides. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2017</b> , 35, 1276-1285	3.5	15
179	Cooperative deformations of periodically patterned hydrogels. <i>Science Advances</i> , <b>2017</b> , 3, e1700348	14.3	84
178	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> , <b>2017</b> , 35, 1436-1446	3.5	33
177	Table-like magnetocaloric effect in Gd <sub>91</sub> Al <sub>9</sub> amorphous/nanocrystalline composites. <i>Journal Physics D: Applied Physics</i> , <b>2017</b> , 50, 355601	3	3
176	A Facile Approach To Prepare Tough and Responsive Ultrathin Physical Hydrogel Films as Artificial Muscles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 34349-34355	9.5	58
175	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> , <b>2017</b> , 5, 19079-19090	13	16
174	Site-Specific Pre-Swelling-Directed Morphing Structures of Patterned Hydrogels. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 16190-16194	3.6	12
173	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> , <b>2017</b> , 9,	4.5	23
172	Direct chemical synthesis of well dispersed L10-FePt nanoparticles with tunable size and coercivity. <i>Green Chemistry</i> , <b>2016</b> , 18, 417-422	10	25
171	Molecular relaxation and dynamic rheology of cluster phase-free ionomers based on lanthanum(III)-neutralized low-carboxylated poly(methyl methacrylate). <i>RSC Advances</i> , <b>2016</b> , 6, 66336-66345	2.7	10
170	Shear induced self-thickening of chitosan/β-cyclodextrin compound solution. <i>RSC Advances</i> , <b>2016</b> , 6, 110367-110374	3.7	5
169	Dopamine/Silica Nanoparticle Assembled, Microscale Porous Structure for Versatile Superamphiphobic Coating. <i>ACS Nano</i> , <b>2016</b> , 10, 2910-21	16.7	96

168	Salt response and rheological behavior of acrylamide-sulfobetaine copolymer. <i>Colloid and Polymer Science</i> , <b>2016</b> , 294, 389-397	2.4	16
167	Toughening mechanism in impact polypropylene copolymer containing a nucleating agent. <i>RSC Advances</i> , <b>2016</b> , 6, 23117-23125	3.7	8
166	Rheological behavior and molecular relaxation of polycations with macrocounterions in aqueous solutions. <i>Polymer Chemistry</i> , <b>2016</b> , 7, 89-100	4.9	3
165	Environmentally friendly reduced graphene oxide as a broad-spectrum adsorbent for anionic and cationic dyes via interactions. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 12126-12135	13	160
164	Water-Triggered Self-Healing Coatings of Hydrogen-Bonded Complexes for High Binding Affinity and Antioxidative Property. <i>Advanced Materials Interfaces</i> , <b>2016</b> , 3, 1600167	4.6	36
163	Light Responsive Microstructured Surfaces of Liquid Crystalline Network with Shape Memory and Tunable Wetting Behaviors. <i>Macromolecular Rapid Communications</i> , <b>2016</b> , 37, 311-7	4.8	16
162	Boundary lubricating properties of hydrophobically modified polyacrylamide. <i>RSC Advances</i> , <b>2016</b> , 6, 5695-5702	3.7	9
161	Magnetocaloric effect in high Gd content Gd-Fe-Al based amorphous/nanocrystalline systems with enhanced Curie temperature and refrigeration capacity. <i>AIP Advances</i> , <b>2016</b> , 6, 035220	1.5	15
160	A Guide for Hydrodynamic Reinforcement Effect in Nanoparticle-filled Polymers. <i>Critical Reviews in Solid State and Materials Sciences</i> , <b>2016</b> , 41, 318-346	10.1	49
159	Novel poly(methyl methacrylate)-based ionomers used as multifunctional aids to modify poly(vinyl chloride). <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2016</b> , 34, 483-490	3.5	
158	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> , <b>2016</b> , 6, 41392-41403	3.7	9
157	Monodomain hydrogels prepared by shear-induced orientation and subsequent gelation. <i>RSC Advances</i> , <b>2016</b> , 6, 95239-95245	3.7	21
156	Balanced toughening and strengthening of ethylene-propylene rubber toughened isotactic polypropylene using a poly(styrene-b-ethylene-propylene) diblock copolymer. <i>RSC Advances</i> , <b>2015</b> , 5, 20831-20837	3.7	25
155	Enhanced magnetic refrigeration properties in Mn-rich Ni-Mn-Sn ribbons by optimal annealing. <i>Scientific Reports</i> , <b>2015</b> , 5, 11010	4.9	42
154	Enhanced large magnetic entropy change and adiabatic temperature change of Ni <sub>43</sub> Mn <sub>46</sub> Sn <sub>11</sub> alloys by a rapid solidification method. <i>Scripta Materialia</i> , <b>2015</b> , 104, 41-44	5.6	38
153	Toughening with little rigidity loss and mechanism for modified polypropylene by polymer particles with core-shell structure. <i>Polymer</i> , <b>2015</b> , 65, 81-92	3.9	40
152	Reconstruction of core-shell dispersed particles in impact polypropylene copolymer during extrusion. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2015</b> , 33, 633-645	3.5	5
151	Effects of nanosilica on crystallization and thermal ageing behaviors of polyethylene terephthalate. <i>Chinese Journal of Polymer Science (English Edition)</i> , <b>2015</b> , 33, 697-708	3.5	5



150	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> , <b>2015</b> , 33, 869-879	3.5	3
149	Boundary lubrication by associative mucin. <i>Langmuir</i> , <b>2015</b> , 31, 4733-40	4	16
148	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> , <b>2015</b> , 5, 82259-82270	3.7	13
147	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> , <b>2015</b> , 3, 23395-23402	3.7	13
146	Rheological behavior of hydrophobically modified polysulfobetaine methacrylate aqueous solution. <i>RSC Advances</i> , <b>2015</b> , 5, 33905-33913	3.7	7
145	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> , <b>2015</b> , 33, 95-108	3.5	5
144	Synthesis and solution property of acrylamide-sulfobetaine copolymers. <i>Colloid and Polymer Science</i> , <b>2015</b> , 293, 797-807	2.4	8
143	Linear rheology of nanofilled polymers. <i>Journal of Rheology</i> , <b>2015</b> , 59, 155-191	4.1	81
142	A Facile, Multifunctional, Transparent, and Superhydrophobic Coating Based on a Nanoscale Porous Structure Spontaneously Assembled from Branched Silica Nanoparticles. <i>Advanced Materials Interfaces</i> , <b>2015</b> , 2, 1500201	4.6	33
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6	A new polymer composite thermistor having double PTC transitions. <i>Journal of Applied Polymer Science</i> , <b>2000</b> , 78, 424-429	2.9	28
5	The electric self-heating behavior of graphite-filled high-density polyethylene composites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2000</b> , 38, 1756-1763	2.6	30
4	Time dependence of piezoresistance for the conductor-filled polymer composites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2000</b> , 38, 2739-2749	2.6	219
3	Piezoresistive Properties of HDPE/Graphite Composites. <i>Journal of Materials Science Letters</i> , <b>1999</b> , 18, 35-37		12
2	Payne Effect and Weak Overshoot in Rubber Nanocomposites. <i>Chinese Journal of Polymer Science (English Edition)</i> , 1	3.5	4
1	Solvent-Cast-Assisted Printing of Biomimetic Morphing Hydrogel Structures with Solvent Evaporation-Induced Swelling Mismatch. <i>Advanced Functional Materials</i> , 2108548	15.6	3