

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

156
papers

2,448
citations

26
h-index

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g-index

161
ext. papers

2,934
ext. citations

4.5
avg, IF

5.86
L-index

#	Paper	IF	Citations
156	Morphologies and mechanical properties of polylactide/thermoplastic polyurethane elastomer blends. <i>Journal of Applied Polymer Science</i> , 2011 , 119, 2778-2783	2.9	140
155	Thermal conductive PS/graphite composites. <i>Polymers for Advanced Technologies</i> , 2009 , 20, 21-27	3.2	115
154	Preparation of PVA hydrogel beads and adsorption mechanism for advanced phosphate removal. <i>Chemical Engineering Journal</i> , 2014 , 235, 207-214	14.7	113
153	Preparation and drug release behavior of pH-responsive bovine serum albumin-loaded chitosan microspheres. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 21, 1389-1397	6.3	69
152	Structure of PVA/gelatin hydrogel beads and adsorption mechanism for advanced Pb(II) removal. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 21, 868-876	6.3	65
151	Synthesis of cationic chitosan hydrogel and its controlled glucose-responsive drug release behavior. <i>Chemical Engineering Journal</i> , 2015 , 273, 92-100	14.7	56
150	Intercalation structure and highly enhancing tribological performance of monomer casting nylon-6/graphene nano-composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017 , 95, 274-285	8.4	48
149	Study on the long-term thermal-oxidative aging behavior of polyamide 6. <i>Journal of Applied Polymer Science</i> , 2008 , 110, 945-957	2.9	47
148	In situ crosslinking of poly (vinyl alcohol)/graphene oxide-glutamic acid nano-composite hydrogel as microbial carrier: Intercalation structure and its wastewater treatment performance. <i>Chemical Engineering Journal</i> , 2018 , 336, 306-314	14.7	44
147	In Situ Synthesis of Monomer Casting Nylon-6/Graphene-Polysiloxane Nanocomposites: Intercalation Structure, Synergistic Reinforcing, and Friction-Reducing Effect. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 33176-33190	9.5	43
146	Study on the thermal degradation of polyoxymethylene by thermogravimetry Fourier transform infrared spectroscopy (TGFTIR). <i>Journal of Applied Polymer Science</i> , 2006 , 99, 3085-3092	2.9	42
145	In Situ Cross-Linking of Poly(vinyl alcohol)/Graphene Oxide/Polyethylene Glycol Nanocomposite Hydrogels as Artificial Cartilage Replacement: Intercalation Structure, Unconfined Compressive Behavior, and Biotribological Behaviors. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 3157-3167	3.8	41
144	3D printing of a poly(vinyl alcohol)-based nano-composite hydrogel as an artificial cartilage replacement and the improvement mechanism of printing accuracy. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 677-690	7.3	41
143	Structure and mechanical properties of polyoxymethylene/multi-walled carbon nanotube composites. <i>Composites Part B: Engineering</i> , 2011 , 42, 926-933	10	37
142	Structure and properties of highly oriented polyoxymethylene produced by hot stretching. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011 , 528, 4585-4591	5.3	35
141	Controlled pH- and glucose-responsive drug release behavior of cationic chitosan based nano-composite hydrogels by using graphene oxide as drug nanocarrier. <i>Journal of Industrial and Engineering Chemistry</i> , 2017 , 49, 36-45	6.3	32
140	Preparation, structure, and property of polyoxymethylene/carbon nanotubes thermal conductive composites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010 , 48, 905-912	2.6	32

139	Mechanical and crystalline properties of monomer casting Nylon-6/Sio2 composites prepared via in situ polymerization. <i>Polymer Engineering and Science</i> , 2013 , 53, 1809-1822	2.3	31
138	A Novel Elastic Urea-Melamine-Formaldehyde Foam: Structure and Properties. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 8743-8750	3.9	31
137	Structure and properties of highly oriented polyoxymethylene/multi-walled carbon nanotube composites produced by hot stretching. <i>Composites Science and Technology</i> , 2011 , 71, 1367-1372	8.6	30
136	Synthesis and properties of fluorinated thermoplastic polyurethane elastomer. <i>Journal of Fluorine Chemistry</i> , 2010 , 131, 36-41	2.1	30
135	Highly heat-resistant silicon-containing polyurethane-imide copolymers: Synthesis and thermal mechanical stability. <i>European Polymer Journal</i> , 2017 , 91, 337-353	5.2	29
134	Structure and property of polyvinyl alcohol/precipitated silica composite hydrogels for microorganism immobilization. <i>Composites Part B: Engineering</i> , 2014 , 56, 749-755	10	29
133	Improvement of Permeability of Poly(vinyl alcohol) Hydrogel by Using Poly(ethylene glycol) as Porogen. <i>Polymer-Plastics Technology and Engineering</i> , 2011 , 50, 776-782		29
132	Synthesis of the melamine-formaldehyde polycondensate and its thermal stabilization effect on polyoxymethylene. <i>Polymer</i> , 2006 , 47, 2649-2659	3.9	27
131	Structure and properties of polyvinyl alcohol/polyurethane blends. <i>Composites Part B: Engineering</i> , 2015 , 69, 389-396	10	26
130	Structure evolution and orientation mechanism of long-chain-branched poly (lactic acid) in the process of solid die drawing. <i>European Polymer Journal</i> , 2017 , 90, 54-65	5.2	25
129	Construction of sacrificial bonds and hybrid networks in EPDM rubber towards mechanical performance enhancement. <i>Applied Surface Science</i> , 2019 , 484, 616-627	6.7	25
128	Structure and blood compatibility of highly oriented poly(lactic acid)/thermoplastic polyurethane blends produced by solid hot stretching. <i>Polymers for Advanced Technologies</i> , 2013 , 24, 853-860	3.2	24
127	Study on the Polyvinylalcohol/Montmorillonite Composite Hydrogel. <i>Polymer-Plastics Technology and Engineering</i> , 2009 , 48, 595-601		24
126	Polyamide 6/graphene oxide-g-hindered phenol antioxidant nano-composites: Intercalation structure and synergistic thermal oxidative stabilization effect. <i>Composites Part B: Engineering</i> , 2019 , 162, 11-20	10	23
125	Preparation and adsorption mechanism of polyvinyl alcohol/graphene oxide-sodium alginate nanocomposite hydrogel with high Pb(II) adsorption capacity. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47318	2.9	22
124	Structure and solvent-resistant property of fluorinated polyurethane elastomer. <i>Journal of Fluorine Chemistry</i> , 2014 , 159, 38-47	2.1	22
123	Structure and blood compatibility of highly oriented poly(l-lactic acid) chain extended by ethylene glycol diglycidyl ether. <i>Polymer</i> , 2015 , 56, 523-534	3.9	22
122	Synthesis and swelling property of superabsorbent starch grafted with acrylic acid/2-acrylamido-2-methyl-1-propanesulfonic acid. <i>Journal of the Science of Food and Agriculture</i> , 2017 , 97, 3831-3840	4.3	21

121	Synthesis of cationic chitosan hydrogel with long chain alkyl and its controlled glucose-responsive drug delivery behavior. <i>RSC Advances</i> , 2015 , 5, 96230-96241	3.7	20
120	Structure of polyvinyl alcohol-g-acrylic acid-2-acrylamido-2-methyl-1-propanesulfonic acid hydrogel and adsorption mechanism for advanced Pb(II) removal. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 35, 309-317	6.3	20
119	Effect of Heat Treatment on the Structure and Properties of MC Nylon 6. <i>Polymer-Plastics Technology and Engineering</i> , 2012 , 51, 689-695		19
118	Effect of PEO on the network structure of PVA hydrogels prepared by freezing/thawing method. <i>Journal of Applied Polymer Science</i> , 2013 , 128, 3325-3329	2.9	19
117	Study of rheological behavior of hydrophobically modified hydroxyethyl cellulose. <i>Journal of Applied Polymer Science</i> , 2006 , 100, 3346-3352	2.9	19
116	Structure and conformation of polyetheramine in confined space of graphene oxide and its enhancement on the electrically conductive properties of monomer casting nylon-6. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017 , 95, 1-11	8.4	18
115	Construction of multiple crosslinking networks in EPDM rubber: Synergistic reinforcing effect of graphene-zinc dimethacrylate on EPDM and improvement mechanism of sealing resilience. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019 , 121, 254-264	8.4	18
114	Monomer casting nylon-6-b-polyether amine copolymers: Synthesis and properties. <i>Composites Part B: Engineering</i> , 2015 , 79, 170-181	10	18
113	Fibrillation of chain branched poly (lactic acid) with improved blood compatibility and bionic structure. <i>Chemical Engineering Journal</i> , 2015 , 279, 767-776	14.7	18
112	Structure and hydrothermal stability of highly oriented polyamide 6 produced by solid hot stretching. <i>RSC Advances</i> , 2015 , 5, 30160-30169	3.7	18
111	Flourescent probe and ESEM morphologies of a acrylamide-based terpolymer in aqueous solution. <i>Journal of Applied Polymer Science</i> , 2007 , 103, 277-286	2.9	18
110	Intercalation behavior and orientation structure of graphene oxide/polyethylene glycol hybrid material. <i>RSC Advances</i> , 2016 , 6, 72193-72200	3.7	17
109	Structure and properties of urea-formaldehyde resin/polyurethane blend prepared via in-situ polymerization. <i>RSC Advances</i> , 2015 , 5, 53700-53707	3.7	16
108	Preparation and properties of the main-chain-fluorinated thermoplastic polyurethane elastomer. <i>Polymer Bulletin</i> , 2011 , 66, 503-515	2.4	16
107	Effect of novel compatibilizers on the properties and morphology of PP/PC blends. <i>Polymers for Advanced Technologies</i> , 2008 , 19, 1069-1076	3.2	16
106	Monomer casting nylon-6-b-polyether amine copolymers: Synthesis and antistatic property. <i>Polymer Engineering and Science</i> , 2016 , 56, 817-828	2.3	16
105	In situ synthesis of monomer casting nylon-6/reduced graphene oxide nanocomposites: Intercalation structure and electrically conductive properties. <i>Journal of Industrial and Engineering Chemistry</i> , 2017 , 50, 123-132	6.3	15
104	In situ stabilization of polyamide 6 with reactive antioxidant. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015 , 119, 1747-1757	4.1	15

103	Structure and blood compatibility of highly oriented PLA/MWNTs composites produced by solid hot drawing. <i>Journal of Biomaterials Applications</i> , 2014 , 28, 978-89	2.9	15
102	Synthesis of melamine-formaldehyde polycondensates as the thermal stabilizer of polyoxymethylene through ultrasonic irradiation. <i>Polymers for Advanced Technologies</i> , 2008 , 19, 399-408 ^{3,2}		15
101	Structure and biocompatibility of highly oriented poly(lactic acid) film produced by biaxial solid hot stretching. <i>Journal of Industrial and Engineering Chemistry</i> , 2017 , 52, 338-348	6.3	14
100	Reactive melt processing of polyamide 6/reduced graphene oxide nano-composites and its electrically conductive behavior. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 62, 84-95	6.3	14
99	Reactive toughening of polyvinyl alcohol hydrogel and its wastewater treatment performance by immobilization of microorganisms. <i>RSC Advances</i> , 2015 , 5, 91414-91422	3.7	14
98	Study on the rheological behavior of the hydrophobically modified hydroxyethyl cellulose with 1,2-epoxyhexadecane*. <i>Journal of Applied Polymer Science</i> , 2006 , 101, 2953-2959	2.9	14
97	Preparation of long-chain branched poly(ethylene terephthalate): Molecular entanglement structure and toughening mechanism. <i>Polymer Engineering and Science</i> , 2019 , 59, 1190-1198	2.3	13
96	Preparation and properties of monomer casting nylon-6/PEO blend prepared via in situ polymerization. <i>Polymer Engineering and Science</i> , 2015 , 55, 589-597	2.3	13
95	Structure and Property of Porous Polyvinylalcohol Hydrogels for Microorganism Immobilization. <i>Journal of Polymers and the Environment</i> , 2011 , 19, 398-404	4.5	13
94	Effect of SEPS as a novel compatibilizer on the properties and morphology of PP/PC/POE blends. <i>Journal of Applied Polymer Science</i> , 2008 , 108, 3531-3541	2.9	13
93	Facile Method to Fabricate Superstrong and Tough Poly(vinyl alcohol) Hydrogels with High Energy Dissipation. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 10705-10715	3.9	12
92	Long-Chain Branched Poly(lactic acid)-b-poly(lactide-co-caprolactone): Structure, Viscoelastic Behavior, and Triple-Shape Memory Effect as Smart Bone Fixation Material. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 4524-4532	3.9	12
91	Compressive stress-thermo oxidative ageing behaviour and mechanism of EPDM rubber gaskets for sealing resilience assessment. <i>Polymer Testing</i> , 2020 , 84, 106366	4.5	12
90	High orientation of long chain branched poly (lactic acid) with enhanced blood compatibility and bionic structure. <i>Journal of Biomedical Materials Research - Part A</i> , 2016 , 104, 1082-9	5.4	12
89	Structure and property of polyurethane/SiO ₂ composite elastomer prepared via in situ polymerization. <i>Journal of Applied Polymer Science</i> , 2013 , 127, 2732-2738	2.9	12
88	Construction of gradient structure in polyetherimide/carbon nanotube nanocomposite foam and its thermal/mechanical property. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019 , 126, 105579 ⁴	8.4	11
87	Structure and properties of PVA/PEO hydrogel prepared by freezing/thawing method. <i>Journal of Thermoplastic Composite Materials</i> , 2013 , 26, 912-922	1.9	11
86	Thermal stabilization effect of biphenol monoacrylate on polyamide 6. <i>Journal of Applied Polymer Science</i> , 2008 , 110, 856-863	2.9	11

85	Construction of Dual Orientation Crystalline Structure in Poly(vinyl alcohol)/Graphene Oxide Nano-Composite Hydrogels and Reinforcing Mechanism. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 10908-10921	3.9	10
84	Polyoxymethylene/graphene oxide-perfluoropolyether nano-composite with ultra-low friction coefficient fabricated by formation of superior interfacial tribofilm. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020 , 132, 105856	8.4	10
83	Stress photo-oxidative aging behaviour of polyamide 6. <i>Polymer International</i> , 2012 , 61, 118-123	3.3	10
82	Structure and Property of Cationic Hydroxyethyl Cellulose. <i>Polymer-Plastics Technology and Engineering</i> , 2010 , 49, 807-811		10
81	High Efficiency Nucleating Agents of Polyoxymethylene. <i>Polymer-Plastics Technology and Engineering</i> , 2006 , 45, 963-970		10
80	Synthesis and swelling property of the starch-based macroporous superabsorbent. <i>Journal of Applied Polymer Science</i> , 2017 , 134,	2.9	9
79	Structure and biocompatibility improvement mechanism of highly oriented poly(lactic acid) produced by solid die drawing. <i>European Polymer Journal</i> , 2017 , 97, 68-76	5.2	9
78	Intercalation Structure and Enhanced Thermal Oxidative Stability of Polyamide 6/Graphene Nanocomposites Prepared through in Situ Polymerization. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 13715-13724	3.9	9
77	Intercalation structure and toughening mechanism of graphene/urea-formaldehyde nanocomposites prepared via in situ polymerization. <i>Polymer International</i> , 2018 , 67, 330-339	3.3	9
76	Preparation and Structure of Poly(vinyl alcohol)/Polyacrylate Elastomer Composite Hydrogels and Their Application in Wastewater Treatment by Immobilizing with Microorganisms. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 9934-9943	3.9	9
75	In situ crosslinking of poly(vinyl alcohol)/graphene oxide Nano-composite hydrogel: intercalation structure and adsorption mechanism for advanced Pb(II) removal. <i>Journal of Polymer Research</i> , 2018 , 25, 1	2.7	9
74	Mechanical and Thermal Properties of Polyurethane Elastomers Synthesized with Toluene Diisocyanate Trimer. <i>Journal of Macromolecular Science - Physics</i> , 2013 , 52, 138-154	1.4	9
73	Polyamide 6/reduced graphene oxide nano-composites prepared via reactive melt processing: formation of crystalline/network structure and electrically conductive properties. <i>Journal of Polymer Research</i> , 2019 , 26, 1	2.7	8
72	Synthesis and properties of monomer cast nylon-6-b-polyether amine copolymers with different structures. <i>RSC Advances</i> , 2015 , 5, 32460-32468	3.7	8
71	Facile construction of robust super-hydrophobic coating for urea-formaldehyde foam: Durable hydrophobicity and Self-cleaning ability. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020 , 132, 105831	8.4	8
70	Long-Term Hydrothermal Aging Behavior and Aging Mechanism of Glass Fibre Reinforced Polyamide 6 Composites. <i>Journal of Macromolecular Science - Physics</i> , 2018 , 57, 67-82	1.4	8
69	Solution Behavior of Hydrophobic Cationic Hydroxyethyl Cellulose. <i>Journal of Macromolecular Science - Physics</i> , 2014 , 53, 149-161	1.4	8
68	Structure and properties of hydrophobic cationic poly(vinyl alcohol). <i>Polymer International</i> , 2012 , 61, 571-580	3.3	8

67	Preparation and property of poly(vinyl alcohol) grafted with butyl glycidyl ether. <i>Journal of Applied Polymer Science</i> , 2013 , 129, 3757-3763	2.9	8
66	A new and highly efficient formaldehyde absorbent of polyoxymethylene. <i>Polymers for Advanced Technologies</i> , 2008 , 19, 1286-1295	3.2	8
65	Study on the Thermal Stabilization Effect of Polyamide on Polyoxymethylene. <i>Polymer-Plastics Technology and Engineering</i> , 2006 , 45, 839-844		8
64	A new mussel-inspired highly self-adhesive & conductive poly (vinyl alcohol)-based hydrogel for wearable sensors. <i>Applied Surface Science</i> , 2021 , 562, 150162	6.7	8
63	Structure and Tribological Performance of Monomer Casting Nylon-6/Colloidal Graphite Composites Synthesized through in Situ Polymerization. <i>Polymer-Plastics Technology and Engineering</i> , 2017 , 56, 1345-1357		7
62	Reactive toughening of intrinsic flame retardant urea-formaldehyde foam with polyether amine: Structure and elastic deformation mechanism. <i>Composites Part B: Engineering</i> , 2019 , 176, 107264	10	7
61	Microcellular polyetherimide/carbon nanotube composite foam: Structure, property and highly reinforcing mechanism. <i>European Polymer Journal</i> , 2019 , 116, 488-496	5.2	7
60	Thermal oxidative aging behavior and stabilizing mechanism of highly oriented polyamide 6. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016 , 126, 795-805	4.1	7
59	Toughening of Polyvinyl Alcohol Hydrogel Through Co-Crosslinking and its Wastewater Treatment Performance by Immobilizing with Microorganism. <i>Journal of Polymers and the Environment</i> , 2017 , 25, 229-240	4.5	7
58	Structure and properties of PP/POE/HDPE blends. <i>Journal of Applied Polymer Science</i> , 2011 , 121, 1013-1022		7
57	Study on the Long-Term Acid Rain Aging Behaviour of Polyamide 6. <i>Journal of Macromolecular Science - Physics</i> , 2009 , 48, 526-536	1.4	7
56	Synthesis of boron-containing coupling agents and its effect on the interfacial bonding of fluoropolymer/TATB composite. <i>Journal of Applied Polymer Science</i> , 2007 , 105, 777-782	2.9	7
55	Synthesis of Hydrophobic Cationic Chitosan Flocculant and Its Sludge Dewatering Property. <i>Journal of Macromolecular Science - Physics</i> , 2016 , 55, 299-309	1.4	7
54	Intrinsic flame-retardant urea formaldehyde/graphene nanocomposite foam: Structure and reinforcing mechanism. <i>Polymer Composites</i> , 2019 , 40, E811	3	7
53	Polyurethane-imide/polyhedral oligomeric silsesquioxane hybrid nano-composites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 136, 2383-2396	4.1	7
52	In situ preparation of polyurethane-imide/graphene oxide nano-composite foam: intercalation structure and thermal mechanical stability. <i>Journal of Polymer Research</i> , 2018 , 25, 1	2.7	7
51	In situ preparation of intrinsic flame retardant urea formaldehyde/aramid fiber composite foam: Structure, property and reinforcing mechanism. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018 , 115, 274-282	8.4	7
50	Synthesis and properties of carboxylated poly(vinyl alcohol) hydrogels for wound dressings. <i>Journal of Polymer Research</i> , 2015 , 22, 1	2.7	6

49	Dual-Anchoring Intercalation Structure and Enhanced Bioactivity of Poly(vinyl alcohol)/Graphene Oxide/Hydroxyapatite Nanocomposite Hydrogels as Artificial Cartilage Replacement. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 20359-20370	3.9	6
48	Microcellular polyetherimide/graphene-polysiloxane composite foam: intercalation structure, mechanical and thermal properties. <i>Polymer International</i> , 2018 , 67, 1655-1663	3.3	6
47	Facile construction of enhanced multiple interfacial interactions in EPDM/zinc dimethacrylate (ZDMA) rubber composites: Highly reinforcing effect and improvement mechanism of sealing resilience. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019 , 126, 105580	8.4	6
46	Synthesis and properties of polyester-based TPUs prepared by solution polymerisation. <i>Plastics, Rubber and Composites</i> , 2008 , 37, 331-340	1.5	6
45	Construction of Polyurethane-imide/Graphene Oxide Nanocomposite Foam with Gradient Structure and Its Thermal Mechanical Stability. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 13742-13752	3.9	6
44	Multiple shape memory behavior of highly oriented long-chain-branched poly(lactic acid) and its recovery mechanism. <i>Journal of Biomedical Materials Research - Part A</i> , 2019 , 107, 872-883	5.4	5
43	Construction of robust siloxane coating for urea-formaldehyde foam and durable hydrophobic mechanism. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019 , 122, 96-106	8.4	5
42	Long-Term Hydrothermal Aging Behavior and Life-Time Prediction of Polyamide 6. <i>Journal of Macromolecular Science - Physics</i> , 2015 , 54, 239-252	1.4	5
41	Intercalation behavior and enhanced dewaterability of waste sludge of cationic polyacrylamide/montmorillonite composite synthesized via in situ intercalation polymerization. <i>Composites Part B: Engineering</i> , 2015 , 83, 134-141	10	5
40	Photo-Oxidative Stabilization Effect of a Reactive Hindered Amine on Monomer Casting Nylon-6. <i>Journal of Macromolecular Science - Physics</i> , 2014 , 53, 1453-1464	1.4	5
39	A study on the solution behavior of IPBC-hydrophobically-modified hydroxyethyl cellulose. <i>Journal of Applied Polymer Science</i> , 2006 , 100, 2824-2831	2.9	5
38	Fabrication of well-miscible and highly enhanced polyethylene/ultrahigh molecular weight polyethylene blends by facile construction of interfacial intermolecular entanglement. <i>Polymer Testing</i> , 2021 , 93, 106973	4.5	5
37	Structure and self-reinforcing mechanism of biaxially oriented polyethylene pipes produced by solid phase die drawing. <i>Polymer</i> , 2019 , 178, 121556	3.9	4
36	Synthesis, structure and phase transition property of acrylic acid grafted paraffin. <i>Journal of Molecular Structure</i> , 2014 , 1064, 37-43	3.4	4
35	Stress/thermooxidative aging behavior of polyamide 6. <i>Journal of Applied Polymer Science</i> , 2013 , 129, 1193-1201	2.9	4
34	Structure and properties of fluorinated polymer/poly(ethylene oxide) blends. <i>Polymer International</i> , 2009 , 58, 900-905	3.3	4
33	Study on the morphology of the hydrophobically-modified polyelectrolyte in aqueous solution by AFM measurements. <i>Journal of Applied Polymer Science</i> , 2004 , 93, 1175-1178	2.9	4
32	Tailored Bonded Interfacial Intermolecular Entanglement of Polyethylene/Ultrahigh-Molecular-Weight Polyethylene Blends: Enhancing Miscibility, Reinforcement, and Friction Reduction. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 5879-5889	3.9	4

31	Controlled in vitro degradation behavior of highly oriented long-chain-branched poly(lactic acid) produced by solid-phase die drawing. <i>Journal of Biomedical Materials Research - Part A</i> , 2019 , 107, 1522-1531	5.4	4
30	Highly reinforcing and thermal stabilizing effect of imide structure on polyurethane foam. <i>Polymer International</i> , 2019 , 68, 464-472	3.3	4
29	Poly(vinyl alcohol)/graphene oxide nanocomposite hydrogel with catalytic activity: the removal behavior and dual adsorption/catalytic degradation mechanism for dye wastewater. <i>Polymer International</i> , 2021 , 70, 331-340	3.3	4
28	Reactive processing of poly(lactic acid)/poly(ethylene octene) blend film with tailored interfacial intermolecular entanglement and toughening mechanism. <i>Journal of Materials Science and Technology</i> , 2022 , 98, 186-196	9.1	4
27	Thermal-oxidative stabilization effect of reactive-hindered amine on monomer casting nylon-6. <i>Journal of Thermoplastic Composite Materials</i> , 2015 , 28, 161-178	1.9	3
26	Synergistic Reinforcing and Stabilizing Effect of Carbon Black/Zinc Dimethacrylate on the Ethylene Propylene Diene Monomer and Improving Mechanism of Sealing Resilience. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 19937-19945	3.9	3
25	Enhanced Dewatering of Waste Sludge With Polyacrylamide/Montmorillonite Composite and Its Conditioning Mechanism. <i>Journal of Macromolecular Science - Physics</i> , 2014 , 53, 1465-1476	1.4	3
24	Outdoor weathering behavior of polyamide 6 under various climates in China. <i>Journal of Applied Polymer Science</i> , 2017 , 134,	2.9	3
23	Molecular simulation on relationship between composition and microstructure of PP/PC blend. <i>Journal of Applied Polymer Science</i> , 2012 , 126, 1165-1173	2.9	3
22	Ultraviolet Oxidative Stabilization Effect of the Rare Earth Compound on Polyamide. <i>Polymer-Plastics Technology and Engineering</i> , 2009 , 48, 860-865		3
21	Study on the High Efficiency Antioxidant of Polyoxymethylene. <i>Polymer-Plastics Technology and Engineering</i> , 2006 , 45, 1181-1190		3
20	Enhancing Poly(lactic acid) Microcellular Foams by Formation of Distinctive Crystalline Structures. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 7624-7632	3.9	2
19	Reactive toughening of ureaformaldehyde resin with poly(vinyl alcohol) by formation of interpenetrating networks. <i>Polymer Engineering and Science</i> , 2018 , 58, 2031-2038	2.3	2
18	Stress-accelerated photothermal oxidative aging behavior of polyamide 6. <i>Journal of Thermoplastic Composite Materials</i> , 2014 , 27, 1573-1586	1.9	2
17	Preparation and properties of PP/PC/POE blends. <i>Polymers for Advanced Technologies</i> , 2009 , 21, n/a-n/a	3.2	2
16	Structure and property of polyoxymethylene copolymerized with styrene oxide. <i>Journal of Polymer Research</i> , 2015 , 22, 1	2.7	1
15	Preparation and characterization of thermally conductive polystyrene/carbon nanotubes composites. <i>Journal of Applied Polymer Science</i> , 2010 , 116, NA-NA	2.9	1
14	The Thermostabilization of Polyoxymethylene Through Amine Treatment. <i>Polymer-Plastics Technology and Engineering</i> , 2008 , 47, 404-410		1

13	Polyoxymethylene/Carbon Nanotube Self-Assembly Networks with Improved Electrical Conductivity for Engineering Functional Structural Materials. <i>ACS Applied Nano Materials</i> , 2021 , 4, 9606-9615	5.6	1
12	Highly Reinforced Poly(lactic acid) Foam Fabricated by Formation of a Heat-Resistant Oriented Stereocomplex Crystalline Structure. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 12674-12686	8.3	1
11	Low Percolation Threshold and Enhanced Electromagnetic Interference Shielding in Polyoxymethylene/Carbon Nanotube Nanocomposites with Conductive Segregated Networks. <i>Industrial & Engineering Chemistry Research</i> , 2022 , 61, 3962-3972	3.9	1
10	Polyoxymethylene/Reduced Graphene Oxide-g-Melamine Nano-composites With Low Formaldehyde Emission: Intercalation Structure and Synergistic Thermal Oxidative Stabilization Effect. <i>Polymer Degradation and Stability</i> , 2022 , 198, 109876	4.7	1
9	Thermal Stability Enhancement of Oriented Polyethylene by Formation of Epitaxial Shish-kebab Crystalline Structure. <i>Polymer Degradation and Stability</i> , 2021 , 109771	4.7	0
8	Triple-shape memory effect of long-chain branched Poly(lactic acid)-b-poly(lactide-co-caprolactone) and its controllable shape recovery as self-fastening smart bone fixture. <i>Polymer</i> , 2022 , 238, 124421	3.9	0
7	Compatibility and toughening mechanism of poly(ethylene terephthalate)/polycarbonate blends. <i>Polymer International</i> , 2020 , 69, 1297-1307	3.3	0
6	Facile Construction of Zn ²⁺ -Carboxyl Salt-Bonding as Sacrificial Unit in EPDM Rubber toward Mechanical and Sealing Resilience Performance Enhancement. <i>Macromolecular Materials and Engineering</i> , 2021 , 306, 2100184	3.9	0
5	Structure and Mechanical Stability of Epoxy Modified Polyurethane Foam Under Heat and Stress. <i>Journal of Macromolecular Science - Physics</i> , 2019 , 58, 113-127	1.4	0
4	In situ preparation of intrinsic flame-retardant urea formaldehyde/carbon nanotubes nanocomposite foam: structure and reinforcing mechanism. <i>Polymer-Plastics Technology and Materials</i> , 2020 , 59, 1640-1653	1.5	
3	Structure Evolution of Highly Oriented Poly(lactic acid)-b-poly(lactide-co-caprolactone) Block Copolymer during Two-Stage Solid Phase Hot Drawing. <i>Industrial & Engineering Chemistry Research</i> , 2022 , 61, 2110-2125	3.9	
2	Highly reinforcing effect of polycarbonate/poly(ethylene terephthalate) blends by formation of orientation microfibrillar structure. <i>Polymer International</i> , 2021 , 70, 1386-1395	3.3	
1	In-Situ Formation of Samarium Methacrylate Rare Earth Complex for Improvement of the Durable Sealing Resilience of Ethylene Propylene Diene Monomer Rubber as a Sealing Material. <i>Journal of Macromolecular Science - Physics</i> , 2021 , 60, 866-888	1.4	