Qiang Fu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2015902/publications.pdf

Version: 2024-02-01

		9234	13338
517	24,574	74	130
papers	citations	h-index	g-index

524	524	524	20938
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bioactive glass in tissue engineering. Acta Biomaterialia, 2011, 7, 2355-2373.	4.1	1,421
2	Star Polymers. Chemical Reviews, 2016, 116, 6743-6836.	23.0	653
3	Progress on the morphological control of conductive network in conductive polymer composites and the use as electroactive multifunctional materials. Progress in Polymer Science, 2014, 39, 627-655.	11.8	553
4	Bioactive glass scaffolds for bone tissue engineering: state of the art and future perspectives. Materials Science and Engineering C, 2011, 31, 1245-1256.	3.8	546
5	Efficient electromagnetic interference shielding of lightweight graphene/polystyrene composite. Journal of Materials Chemistry, 2012, 22, 18772.	6.7	516
6	Silicate, borosilicate, and borate bioactive glass scaffolds with controllable degradation rate for bone tissue engineering applications. I. Preparation and in vitro degradation. Journal of Biomedical Materials Research - Part A, 2010, 95A, 164-171.	2.1	330
7	Direct ink writing of highly porous and strong glass scaffolds for load-bearing bone defects repair and regeneration. Acta Biomaterialia, 2011, 7, 3547-3554.	4.1	302
8	Ultrathin flexible reduced graphene oxide/cellulose nanofiber composite films with strongly anisotropic thermal conductivity and efficient electromagnetic interference shielding. Journal of Materials Chemistry C, 2017, 5, 3748-3756.	2.7	294
9	Compatibilization of Immiscible Poly(propylene)/Polystyrene Blends Using Clay. Macromolecular Rapid Communications, 2003, 24, 231-235.	2.0	292
10	New Understanding in Tuning Toughness of Î²-Polypropylene: The Role of Î²-Nucleated Crystalline Morphology. Macromolecules, 2009, 42, 9325-9331.	2.2	274
11	Mechanical and in vitro performance of 13â€“93 bioactive glass scaffolds prepared by a polymer foam replication technique. Acta Biomaterialia, 2008, 4, 1854-1864.	4.1	267
12	Water-induced shape memory effect of graphene oxide reinforced polyvinyl alcohol nanocomposites. Journal of Materials Chemistry A, 2014, 2, 2240-2249.	5.2	261
13	Visible Light Mediated Controlled Radical Polymerization in the Absence of Exogenous Radical Sources or Catalysts. Macromolecules, 2015, 48, 3864-3872.	2.2	260
14	Achieving a Collapsible, Strong, and Highly Thermally Conductive Film Based on Oriented Functionalized Boron Nitride Nanosheets and Cellulose Nanofiber. ACS Applied Materials & Interfaces, 2017, 9, 30035-30045.	4.0	258
15	In Vitro Bioactive Characteristics of Borate-Based Glasses with Controllable Degradation Behavior. Journal of the American Ceramic Society, 2007, 90, 303-306.	1.9	251
16	Beyond Traditional RAFT: Alternative Activation of Thiocarbonylthio Compounds for Controlled Polymerization. Advanced Science, 2016, 3, 1500394.	5.6	249
17	Highly Thermoconductive, Thermostable, and Superâ€Flexible Film by Engineering 1D Rigid Rodâ€Like Aramid Nanofiber/2D Boron Nitride Nanosheets. Advanced Materials, 2020, 32, e1906939.	11.1	234
18	Bioinspired Strong and Highly Porous Glass Scaffolds. Advanced Functional Materials, 2011, 21, 1058-1063.	7.8	215

#	Article	IF	Citations
19	Recent progress on fabrication methods of polymeric thin film gas separation membranes for CO2 capture. Journal of Membrane Science, 2019, 572, 38-60.	4.1	210
20	Control of Crystal Morphology in Poly(<scp>l</scp>-lactide) by Adding Nucleating Agent. Macromolecules, 2011, 44, 1233-1237.	2.2	203
21	The resistivityâ€“strain behavior of conductive polymer composites: stability and sensitivity. Journal of Materials Chemistry A, 2014, 2, 17085-17098.	5.2	185
22	Toward Strong and Tough Glass and Ceramic Scaffolds for Bone Repair. Advanced Functional Materials, 2013, 23, 5461-5476.	7.8	183
23	Silicate, borosilicate, and borate bioactive glass scaffolds with controllable degradation rate for bone tissue engineering applications. II. In vitro and in vivo biological evaluation. Journal of Biomedical Materials Research - Part A, 2010, 95A, 172-179.	2.1	163
24	Recent progress on PEDOT:PSS based polymer blends and composites for flexible electronics and thermoelectric devices. Materials Chemistry Frontiers, 2020, 4, 3130-3152.	3.2	161
25	Direct Formation of Nanohybrid Shish-Kebab in the Injection Molded Bar of Polyethylene/Multiwalled Carbon Nanotubes Composite. Macromolecules, 2009, 42, 7016-7023.	2.2	159
26	In vitro evaluation of borate-based bioactive glass scaffolds prepared by a polymer foam replication method. Materials Science and Engineering C, 2009, 29, 2275-2281.	3.8	158
27	Design and Preparation of a Unique Segregated Double Network with Excellent Thermal Conductive Property. ACS Applied Materials & Interfaces, 2017, 9, 7637-7647.	4.0	155
28	A Multidirectionally Thermoconductive Phase Change Material Enables High and Durable Electricity via Real-Environment Solarâ€“Thermalâ€“Electric Conversion. ACS Nano, 2020, 14, 15738-15747.	7.3	152
29	Freeze casting of porous hydroxyapatite scaffolds. I. Processing and general microstructure. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2008, 86B, 125-135.	1.6	149
30	Synthesis and Characterization of pH-Sensitive Biodegradable Polyurethane for Potential Drug Delivery Applications. Macromolecules, 2011, 44, 857-864.	2.2	146
31	MOF-Mediated Destruction of Cancer Using the Cellâ€™s Own Hydrogen Peroxide. ACS Applied Materials & Interfaces, 2017, 9, 33599-33608.	4.0	146
32	Cyclodextrinâ€Based Supramolecular Assemblies and Hydrogels: Recent Advances and Future Perspectives. Macromolecular Rapid Communications, 2014, 35, 1166-1184.	2.0	142
33	One-Pot Synthesis of ABC Type Triblock Copolymers via a Combination of â€œClick Chemistryâ€•and Atom Transfer Nitroxide Radical Coupling Chemistry. Macromolecules, 2008, 41, 4127-4135.	2.2	141
34	Low-dimensional carbonaceous nanofiller induced polymer crystallization. Progress in Polymer Science, 2014, 39, 555-593.	11.8	140
35	Sonoâ€RAFT Polymerization in Aqueous Medium. Angewandte Chemie - International Edition, 2017, 56, 12302-12306.	7.2	139
36	Recent Advances in Processing of Stereocomplexâ€Type Polylactide. Macromolecular Rapid Communications, 2017, 38, 1700454.	2.0	139

#	Article	IF	Citations
37	Largely enhanced energy storage density of poly(vinylidene fluoride) nanocomposites based on surface hydroxylation of boron nitride nanosheets. Journal of Materials Chemistry A, 2018, 6, 7573-7584.	5.2	139
38	Progress and Perspectives Beyond Traditional RAFT Polymerization. Advanced Science, 2020, 7, 2001656.	5.6	139
39	Fabrication of a transparent superamphiphobic coating with improved stability. Soft Matter, 2011, 7, 6435.	1.2	137
40	Preparation of polyester/reduced graphene oxide composites via in situ melt polycondensation and simultaneous thermo-reduction of graphene oxide. Journal of Materials Chemistry, 2011, 21, 8612.	6.7	137
41	Robust and Mechanically and Electrically Self-Healing Hydrogel for Efficient Electromagnetic Interference Shielding. ACS Applied Materials & Interfaces, 2018, 10, 8245-8257.	4.0	134
42	Self-assembly of biodegradable polyurethanes for controlled delivery applications. Soft Matter, 2012, 8, 5414.	1.2	132
43	Continuous assembly of a polymer on a metalâ€“organic framework (CAP on MOF): a 30 nm thick polymeric gas separation membrane. Energy and Environmental Science, 2018, 11, 544-550.	15.6	125
44	Synthesis of Amphiphilic Macrocyclic Graft Copolymer Consisting of a Poly(ethylene oxide) Ring and Multi-Polystyrene Lateral Chains. Macromolecules, 2006, 39, 5190-5193.	2.2	120
45	Preparation and properties of polypropylene/montmorillonite layered nanocomposites. Polymer International, 2000, 49, 1561-1564.	1.6	119
46	Preparation of a thermally conductive biodegradable cellulose nanofiber/hydroxylated boron nitride nanosheet film: the critical role of edge-hydroxylation. Journal of Materials Chemistry A, 2018, 6, 11863-11873.	5.2	119
47	Ultrathin Metalâ€“Organic Framework Nanosheets as a Gutter Layer for Flexible Composite Gas Separation Membranes. ACS Nano, 2018, 12, 11591-11599.	7.3	118
48	Bone regeneration in strong porous bioactive glass (13-93) scaffolds with an oriented microstructure implanted in rat calvarial defects. Acta Biomaterialia, 2013, 9, 4889-4898.	4.1	117
49	Two-dimensional nanosheet-based gas separation membranes. Journal of Materials Chemistry A, 2018, 6, 23169-23196.	5.2	109
50	Development of a Robust PET-RAFT Polymerization Using Graphitic Carbon Nitride (g-C₃N₄). Macromolecules, 2017, 50, 7509-7516.	2.2	108
51	Growth and differentiation of osteoblastic cells on 13â€“93 bioactive glass fibers and scaffolds. Acta Biomaterialia, 2008, 4, 387-396.	4.1	107
52	A New Strategy for Preparation of Graft Copolymers via â€œGraft ontoâ€• by Atom Transfer Nitroxide Radical Coupling Chemistry: Preparation of Poly(4-glycidyloxy-2,2,6,6-tetramethylpiperidine-1-oxyl-co-ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 137 Td (oxide)graft 2381-2387.	2.2	106
53	Preparation and rapid degradation of nontoxic biodegradable polyurethanes based on poly(lactic) Tj ETQq1 1 0.784314 rgBT /Overlock 2011, 2, 601-607.	1.9	103
54	Phase change material with anisotropically high thermal conductivity and excellent shape stability due to its robust cellulose/BNNSs skeleton. Journal of Materials Chemistry A, 2019, 7, 19364-19373.	5.2	103

#	Article	IF	Citations
55	Oriented bioactive glass (13-93) scaffolds with controllable pore size by unidirectional freezing of camphene-based suspensions: Microstructure and mechanical response. Acta Biomaterialia, 2011, 7, 406-416.	4.1	101
56	Preparation and bioactive characteristics of a porous 13â€“93 glass, and fabrication into the articulating surface of a proximal tibia. Journal of Biomedical Materials Research - Part A, 2007, 82A, 222-229.	2.1	100
57	Hierarchical Ti3C2Tx@ZnO Hollow Spheres with Excellent Microwave Absorption Inspired by the Visual Phenomenon of Eyeless Urchins. Nano-Micro Letters, 2022, 14, 76.	14.4	99
58	Controlled Formation of Star Polymer Nanoparticles via Visible Light Photopolymerization. ACS Macro Letters, 2015, 4, 1012-1016.	2.3	95
59	Toward Supertough and Heat-Resistant Stereocomplex-Type Polylactide/Elastomer Blends with Impressive Melt Stability via in Situ Formation of Graft Copolymer during One-Pot Reactive Melt Blending. Macromolecules, 2019, 52, 1718-1730.	2.2	94
60	A novel cross-linked nano-coating for carbon dioxide capture. Energy and Environmental Science, 2016, 9, 434-440.	15.6	92
61	Size-specified graphene oxide sheets: ultrasonication assisted preparation and characterization. Journal of Materials Science, 2014, 49, 1785-1793.	1.7	90
62	Completely Green Approach for the Preparation of Strong and Highly Conductive Graphene Composite Film by Using Nanocellulose as Dispersing Agent and Mechanical Compression. ACS Sustainable Chemistry and Engineering, 2017, 5, 9102-9113.	3.2	90
63	On the structural, mechanical, and biodegradation properties of HA/Î²-TCP robocast scaffolds. , 2013, 101, 1233-1242.		89
64	Conformation-Directed Micelle-to-Vesicle Transition of Cholesterol-Decorated Polypeptide Triggered by Oxidation. Journal of the American Chemical Society, 2018, 140, 6604-6610.	6.6	89
65	Preparation of Transparent and Flexible Shape Memory Polybenzoxazine Film through Chemical Structure Manipulation and Hydrogen Bonding Control. Macromolecules, 2018, 51, 6561-6570.	2.2	87
66	The optimization of thermoelectric properties in a PEDOT:PSS thin film through post-treatment. RSC Advances, 2015, 5, 1910-1917.	1.7	85
67	Freeze casting of porous hydroxyapatite scaffolds. II. Sintering, microstructure, and mechanical behavior. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2008, 86B, 514-522.	1.6	84
68	Microfibrillated cellulose-reinforced bio-based poly(propylene carbonate) with dual shape memory and self-healing properties. Journal of Materials Chemistry A, 2014, 2, 20393-20401.	5.2	84
69	Towards tunable resistivityâ€“strain behavior through construction of oriented and selectively distributed conductive networks in conductive polymer composites. Journal of Materials Chemistry A, 2014, 2, 10048-10058.	5.2	82
70	Fabrication of Highly Stretchable, Washable, Wearable, Water-Repellent Strain Sensors with Multi-Stimuli Sensing Ability. ACS Applied Materials & Interfaces, 2018, 10, 31655-31663.	4.0	82
71	Surface modifications of boron nitride nanosheets for poly(vinylidene fluoride) based film capacitors: advantages of edge-hydroxylation. Journal of Materials Chemistry A, 2019, 7, 7664-7674.	5.2	82
72	CO2 separation using surface-functionalized SiO2 nanoparticles incorporated ultra-thin film composite mixed matrix membranes for post-combustion carbon capture. Journal of Membrane Science, 2016, 515, 54-62.	4.1	81

#	Article	IF	Citations
73	Oneâ€pot preparation of 3â€miktoarm star terpolymers via â€œclick chemistryâ€•and atom transfer nitroxide radical coupling reaction. Journal of Polymer Science Part A, 2009, 47, 986-990.	2.5	79
74	Freeze-cast hydroxyapatite scaffolds for bone tissue engineering applications. Biomedical Materials (Bristol), 2008, 3, 025005.	1.7	78
75	From UV to NIR: A Fullâ€Spectrum Metalâ€Free Photocatalyst for Efficient Polymer Synthesis in Aqueous Conditions. Angewandte Chemie - International Edition, 2020, 59, 21392-21396.	7.2	78
76	High-throughput CO2 capture using PIM-1@MOF based thin film composite membranes. Chemical Engineering Journal, 2020, 396, 125328.	6.6	78
77	Preparation and in vitro evaluation of bioactive glass (13â€“93) scaffolds with oriented microstructures for repair and regeneration of loadâ€bearing bones. Journal of Biomedical Materials Research - Part A, 2010, 93A, 1380-1390.	2.1	77
78	Hydrophobic cellulose films with excellent strength and toughness via ball milling activated acylation of microfibrillated cellulose. Carbohydrate Polymers, 2016, 154, 129-138.	5.1	76
79	Increasing both selectivity and permeability of mixed-matrix membranes: Sealing the external surface of porous MOF nanoparticles. Journal of Membrane Science, 2017, 535, 350-356.	4.1	75
80	Dependence of mechanical properties on Î²â€form content and crystalline morphology for Î²â€nucleated isotactic polypropylene. Polymers for Advanced Technologies, 2011, 22, 2044-2054.	1.6	74
81	Significant Enhancement of Thermal Conductivity in Polymer Composite via Constructing Macroscopic Segregated Filler Networks. ACS Applied Materials & Interfaces, 2017, 9, 29071-29081.	4.0	74
82	Stretchable and Healable Conductive Elastomer Based on PEDOT:PSS/Natural Rubber for Self-Powered Temperature and Strain Sensing. ACS Applied Materials & Interfaces, 2021, 13, 14599-14611.	4.0	73
83	Bioactive borate glass scaffolds: in vitro and in vivo evaluation for use as a drug delivery system in the treatment of bone infection. Journal of Materials Science: Materials in Medicine, 2010, 21, 575-582.	1.7	71
84	Preparation of high performance conductive polymer fibres from double percolated structure. Journal of Materials Chemistry, 2011, 21, 6401.	6.7	71
85	Control of the hierarchical structure of polymer articles via â€œstructuringâ€•processing. Progress in Polymer Science, 2014, 39, 891-920.	11.8	71
86	Soft polymeric nanoparticle additives for next generation gas separation membranes. Journal of Materials Chemistry A, 2014, 2, 4999.	5.2	71
87	A Novel Surface Structure Consisting of Contact-active Antibacterial Upper-layer and Antifouling Sub-layer Derived from Gemini Quaternary Ammonium Salt Polyurethanes. Scientific Reports, 2016, 6, 32140.	1.6	71
88	Single-Electron-Transfer Nitroxide-Radical-Coupling Reaction at Ambient Temperature: Application in the Synthesis of Block Copolymers. Macromolecules, 2009, 42, 4381-4383.	2.2	70
89	Tertiary amine catalyzed photo-induced controlled radical polymerization of methacrylates. Polymer Chemistry, 2015, 6, 5362-5368.	1.9	67
90	Clickable and imageable multiblock polymer micelles with magnetically guided and PEG-switched targeting and release property for precise tumor theranosis. Biomaterials, 2017, 145, 138-153.	5.7	67

#	Article	IF	Citations
91	Ultrahigh-performance electrospun polylactide membranes with excellent oil/water separation ability via interfacial stereocomplex crystallization. Journal of Materials Chemistry A, 2017, 5, 19729-19737.	5.2	67
92	Porous and strong bioactive glass (13-93) scaffolds prepared by unidirectional freezing of camphene-based suspensions. Acta Biomaterialia, 2012, 8, 415-423.	4.1	66
93	Mechanically Strong Chitin Fibers with Nanofibril Structure, Biocompatibility, and Biodegradability. Chemistry of Materials, 2019, 31, 2078-2087.	3.2	66
94	Largely Enhanced Stretching Sensitivity of Polyurethane/Carbon Nanotube Nanocomposites via Incorporation of Cellulose Nanofiber. Journal of Physical Chemistry C, 2017, 121, 2108-2117.	1.5	65
95	Superior strength and highly thermoconductive cellulose/ boron nitride film by stretch-induced alignment. Journal of Materials Chemistry A, 2021, 9, 10304-10315.	5.2	65
96	Vibration-induced change of crystal structure in isotactic polypropylene and its improved mechanical properties. Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 2385-2390.	2.4	64
97	Highly permeable membrane materials for CO2 capture. Journal of Materials Chemistry A, 2013, 1, 13769.	5.2	64
98	The preparation and properties of polystyrene/functionalized graphene nanocomposite foams using supercritical carbon dioxide. Polymer International, 2013, 62, 1077-1084.	1.6	64
99	Brittle-Ductile Transition and Toughening Mechanism in POM/TPU/CaCO3 Ternary Composites. Macromolecular Materials and Engineering, 2004, 289, 41-48.	1.7	63
100	Dispersion and mechanical properties of polypropylene/multiwall carbon nanotubes composites obtained via dynamic packing injection molding. Journal of Applied Polymer Science, 2007, 104, 1880-1886.	1.3	63
101	Development of novel fluorinated additives for high performance CO2 separation thin-film composite membranes. Journal of Membrane Science, 2016, 499, 191-200.	4.1	63
102	Shear-induced change of exfoliation and orientation in polypropylene/montmorillonite nanocomposites. Journal of Polymer Science, Part B: Polymer Physics, 2003, 41, 1-10.	2.4	62
103	Modified resistivityâ€“strain behavior through the incorporation of metallic particles in conductive polymer composite fibers containing carbon nanotubes. Polymer International, 2013, 62, 134-140.	1.6	62
104	Ultra-thin film composite mixed matrix membranes incorporating iron(<scp>iii</scp>)â€“dopamine nanoparticles for CO₂separation. Nanoscale, 2016, 8, 8312-8323.	2.8	62
105	Cellulose/Chitosan Composite Multifilament Fibers with Two-Switch Shape Memory Performance. ACS Sustainable Chemistry and Engineering, 2019, 7, 6981-6990.	3.2	62
106	Controlled Vertically Aligned Structures in Polymer Composites: Natural Inspiration, Structural Processing, and Functional Application. Advanced Materials, 2021, 33, e2103495.	11.1	62
107	Strong and tough micro/nanostructured poly(lactic acid) by mimicking the multifunctional hierarchy of shell. Materials Horizons, 2014, 1, 546-552.	6.4	61
108	Polypeptide-Based Macroporous Cryogels with Inherent Antimicrobial Properties: The Importance of a Macroporous Structure. ACS Macro Letters, 2016, 5, 552-557.	2.3	61

#	Article	IF	Citations
109	Green Production of Regenerated Cellulose/Boron Nitride Nanosheet Textiles for Static and Dynamic Personal Cooling. ACS Applied Materials & Interfaces, 2019, 11, 40685-40693.	4.0	61
110	Bloodâ€Catalyzed RAFT Polymerization. Angewandte Chemie - International Edition, 2018, 57, 10288-10292.	7.2	60
111	Postcombustion Carbon Capture Using Thin-Film Composite Membranes. Accounts of Chemical Research, 2019, 52, 1905-1914.	7.6	60
112	Polyhedral Oligomeric Silsesquioxanes Based Ultralowâ€k Materials: The Effect of Cage Size. Advanced Functional Materials, 2021, 31, 2102074.	7.8	60
113	In vivo evaluation of 13â€93 bioactive glass scaffolds with trabecular and oriented microstructures in a subcutaneous rat implantation model. Journal of Biomedical Materials Research - Part A, 2010, 95A, 235-244.	2.1	58
114	A promising alternative to conventional polyethylene with poly(propylene carbonate) reinforced by graphene oxide nanosheets. Journal of Materials Chemistry, 2011, 21, 17627.	6.7	58
115	Mechanically Strong Multifilament Fibers Spun from Cellulose Solution via Inducing Formation of Nanofibers. ACS Sustainable Chemistry and Engineering, 2018, 6, 5314-5321.	3.2	56
116	Self-assembled 3D biocompatible and bioactive layer at the macro-interface via graphene-based supermolecules. Polymer Chemistry, 2014, 5, 3563.	1.9	55
117	Powder metallurgy inspired low-temperature fabrication of high-performance stereocomplexed polylactide products with good optical transparency. Scientific Reports, 2016, 6, 20260.	1.6	55
118	A thermally conductive interface material with tremendous and reversible surface adhesion promises durable cross-interface heat conduction. Materials Horizons, 2022, 9, 1690-1699.	6.4	55
119	Oneâ€pot synthesis of heterograft copolymers via â€œgraft ontoâ€•by atom transfer nitroxide radical coupling chemistry. Journal of Polymer Science Part A, 2008, 46, 6770-6779.	2.5	53
120	Cyclodextrin-based supramolecular polymeric nanoparticles for next generation gas separation membranes. Journal of Materials Chemistry A, 2015, 3, 14876-14886.	5.2	53
121	Towards high-performance poly(<scp>l</scp>-lactide)/elastomer blends with tunable interfacial adhesion and matrix crystallization via constructing stereocomplex crystallites at the interface. RSC Advances, 2014, 4, 49374-49385.	1.7	52
122	Biodegradable gemini multiblock poly(Îµ-caprolactone urethane)s toward controllable micellization. Soft Matter, 2010, 6, 2087.	1.2	51
123	Fentonâ€RAFT Polymerization: An â€œOnâ€Demandâ€•Chainâ€Growth Method. Chemistry - A European Journal, 2017, 23, 7221-7226.	1.7	51
124	Magnet-induced aligning magnetorheological elastomer based on ultra-soft matrix. Composites Science and Technology, 2018, 162, 170-179.	3.8	51
125	Fully Organic Bulk Polymer with Metallic Thermal Conductivity and Tunable Thermal Pathways. Advanced Science, 2021, 8, e2004821.	5.6	51
126	Control of Polymer Properties by Entanglement: A Review. Macromolecular Materials and Engineering, 2021, 306, 2100536.	1.7	51

#	Article	IF	Citations
127	The effect of soft nanoparticles morphologies on thin film composite membrane performance. Journal of Materials Chemistry A, 2014, 2, 17751-17756.	5.2	50
128	MOF Scaffold for a Highâ€Performance Mixedâ€Matrix Membrane. Angewandte Chemie - International Edition, 2018, 57, 8597-8602.	7.2	50
129	Bioactive Glass for Large Bone Repair. Advanced Healthcare Materials, 2015, 4, 2842-2848.	3.9	49
130	Constructing stereocomplex structures at the interface for remarkably accelerating matrix crystallization and enhancing the mechanical properties of poly(<scp>l</scp>-lactide)/multi-walled carbon nanotube nanocomposites. Journal of Materials Chemistry A, 2015, 3, 13835-13847.	5.2	49
131	Anti-biofilm surfaces from mixed dopamine-modified polymer brushes: synergistic role of cationic and zwitterionic chains to resist staphyloccocus aureus. Biomaterials Science, 2019, 7, 5369-5382.	2.6	49
132	Spider-silk inspired polymeric networks by harnessing the mechanical potential of Î²-sheets through network guided assembly. Nature Communications, 2020, 11, 1630.	5.8	49
133	A Structured Phase Change Material with Controllable Thermoconductive Highways Enables Unparalleled Electricity via Solarâ€Thermalâ€Electric Conversion. Advanced Functional Materials, 2022, 32, 2109255.	7.8	49
134	Cisplatin-Induced Formation of Biocompatible and Biodegradable Polypeptide-Based Vesicles for Targeted Anticancer Drug Delivery. Biomacromolecules, 2015, 16, 2463-2474.	2.6	48
135	Effect of annealing on the microstructure and mechanical properties of polypropylene with oriented shishâ€kebab structure. Polymer International, 2012, 61, 252-258.	1.6	47
136	Low-Temperature Sintering of Stereocomplex-Type Polylactide Nascent Powder: Effect of Crystallinity. Macromolecules, 2017, 50, 7611-7619.	2.2	47
137	Influences of Coagulation Conditions on the Structure and Properties of Regenerated Cellulose Filaments via Wet-Spinning in LiOH/Urea Solvent. ACS Sustainable Chemistry and Engineering, 2018, 6, 4056-4067.	3.2	47
138	Metal organic framework enhanced SPEEK/SPSF heterogeneous membrane for ion transport and energy conversion. Nano Energy, 2021, 81, 105657.	8.2	47
139	Improving high-temperature energy storage performance of PI dielectric capacitor films through boron nitride interlayer. Advanced Composites and Hybrid Materials, 2022, 5, 238-249.	9.9	47
140	Improved thermal stability and mechanical properties of poly(propylene carbonate) by reactive blending with maleic anhydride. Journal of Applied Polymer Science, 2011, 120, 3565-3573.	1.3	46
141	Synthesis and self-assembly morphologies of amphiphilic multiblock copolymers [poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 1 Science Part A, 2006, 44, 6071-6082.	2.5	45
142	Synthesis of novel cylindrical bottlebrush polypseudorotaxane via inclusion complexation of high density poly(Îµ-caprolactone) bottlebrush polymer and Î±-cyclodextrins. Polymer Chemistry, 2012, 3, 343-351.	1.9	45
143	Biomimetic Approach to Facilitate the High Filler Content in Free-Standing and Flexible Thermoelectric Polymer Composite Films Based on PVDF and Ag₂Se Nanowires. ACS Applied Materials & Interfaces, 2020, 12, 51506-51516.	4.0	45
144	Interfacial strength and mechanical properties of biocomposites based on ramie fibers and poly(butylene succinate). RSC Advances, 2013, 3, 26418.	1.7	44

#	Article	IF	Citations
145	Preparation of Polylactide/Poly(ether)urethane Blends with Excellent Electro-actuated Shape Memory via Incorporating Carbon Black and Carbon Nanotubes Hybrids Fillers. Chinese Journal of Polymer Science (English Edition), 2018, 36, 1175-1186.	2.0	44
146	Superhydrophobic Surface Based on Assembly of Nanoparticles for Application in Anti-Icing under Ultralow Temperature. ACS Applied Nano Materials, 2020, 3, 2047-2057.	2.4	44
147	Electrical properties of poly(phenylene sulfide)/multiwalled carbon nanotube composites prepared by simple mixing and compression. Journal of Applied Polymer Science, 2008, 109, 720-726.	1.3	43
148	Organic Catalyst-Mediated Ring-Opening Polymerization for the Highly Efficient Synthesis of Polyester-Based Star Polymers. ACS Macro Letters, 2012, 1, 681-686.	2.3	43
149	Novel drug carriers: from grafted polymers to cross-linked vesicles. Chemical Communications, 2013, 49, 33-35.	2.2	43
150	Synthesis and characterization of biodegradable lysine-based waterborne polyurethane for soft tissue engineering applications. Biomaterials Science, 2016, 4, 1682-1690.	2.6	43
151	Strong and Highly Conductive Graphene Composite Film Based on the Nanocellulose-Assisted Dispersion of Expanded Graphite and Incorporation of Poly(ethylene oxide). ACS Sustainable Chemistry and Engineering, 2019, 7, 5045-5056.	3.2	43
152	Ductile-brittle-transition phenomenon in polypropylene/ethylene-propylene-diene rubber blends obtained by dynamic packing injection molding: A new understanding of the rubber-toughening mechanism. Journal of Polymer Science, Part B: Polymer Physics, 2002, 40, 2086-2097.	2.4	42
153	Manipulating the phase morphology in PPS/PA66 blends using clay. Journal of Applied Polymer Science, 2007, 106, 2238-2250.	1.3	42
154	In vitro cellular response to hydroxyapatite scaffolds with oriented pore architectures. Materials Science and Engineering C, 2009, 29, 2147-2153.	3.8	42
155	A high-performance temperature sensitive TPV/CB elastomeric composite with balanced electrical and mechanical properties via PF-induced dynamic vulcanization. Journal of Materials Chemistry A, 2014, 2, 16989-16996.	5.2	42
156	Nature-inspired design of strong, tough glass-ceramics. MRS Bulletin, 2017, 42, 220-225.	1.7	42
157	Gemini quaternary ammonium salt waterborne biodegradable polyurethanes with antibacterial and biocompatible properties. Materials Chemistry Frontiers, 2017, 1, 361-368.	3.2	42
158	Effect of PEG content on the properties of biodegradable amphiphilic multiblock poly(Îµ-caprolactone) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.9	41
159	Combined effect of Î²-nucleating agent and multi-walled carbon nanotubes on polymorphic composition and morphology of isotactic polypropylene. Journal of Thermal Analysis and Calorimetry, 2012, 107, 733-743.	2.0	41
160	Toward High-Performance Poly(<scp>l</scp>-lactide) Fibers via Tailoring Crystallization with the Aid of Fibrillar Nucleating Agent. ACS Sustainable Chemistry and Engineering, 2016, 4, 3939-3947.	3.2	41
161	Crystal morphology and crystallization kinetics of polyamide-11/clay nanocomposites. Polymer International, 2004, 53, 1941-1949.	1.6	40
162	Effects of nano HAP on biological and structural properties of glass bone cement. Journal of Biomedical Materials Research - Part A, 2005, 74A, 156-163.	2.1	40

#	Article	IF	Citations
163	Kinetic study on lithium-aluminosilicate (LAS) glass-ceramics containing MgO and ZnO. Ceramics International, 2014, 40, 11657-11661.	2.3	40
164	Mechanically reinforced chitosan/cellulose nanocrystals composites with good transparency and biocompatibility. Chinese Journal of Polymer Science (English Edition), 2015, 33, 61-69.	2.0	40
165	Preparation of polyvinylidene fluoride/expanded graphite composites with enhanced thermal conductivity via ball milling treatment. RSC Advances, 2016, 6, 45578-45584.	1.7	40
166	Fentonâ€Chemistryâ€Mediated Radical Polymerization. Macromolecular Rapid Communications, 2019, 40, e1900220.	2.0	40
167	Ultrasensitive Thin-Film Pressure Sensors with a Broad Dynamic Response Range and Excellent Versatility Toward Pressure, Vibration, Bending, and Temperature. ACS Applied Materials & Interfaces, 2020, 12, 20998-21008.	4.0	40
168	Manipulation of Porous Bioceramic Microstructures by Freezing of Suspensions Containing Binary Mixtures of Solvents. Journal of the American Ceramic Society, 2008, 91, 4137-4140.	1.9	39
169	Stochastic/Controlled Symmetry Breaking of the T₈â€POSS Cages toward Multifunctional Regioisomeric Nanobuilding Blocks. Chemistry - A European Journal, 2015, 21, 15246-15255.	1.7	39
170	Synthesis of a thermoresponsive shell-crosslinked 3-layer onion-like polymer particle with a hyperbranched polyglycerol core. Journal of Polymer Science Part A, 2005, 43, 5652-5660.	2.5	38
171	In Vitro Study on Different Cell Response to Spherical Hydroxyapatite Nanoparticles. Journal of Biomaterials Applications, 2008, 23, 37-50.	1.2	38
172	Spectroscopic Evidence of Melting of Ordered Structures in the Aged Glassy Poly(<scp>l</scp>-lactide). Macromolecules, 2010, 43, 1702-1705.	2.2	38
173	Formation of new electric double percolation via carbon black induced co-continuous like morphology. RSC Advances, 2014, 4, 37193.	1.7	38
174	Morphology and internal structure control over PLA microspheres by compounding PLLA and PDLA and effects on drug release behavior. Colloids and Surfaces B: Biointerfaces, 2018, 172, 105-112.	2.5	38
175	Effect of alkylammonium salt on the dispersion and properties of Poly(p-phenylene sulfide)/clay nanocomposites via melt intercalation. Journal of Applied Polymer Science, 2006, 99, 1724-1731.	1.3	37
176	An Approach for the Sphere-to-Rod Transition of Multiblock Copolymer Micelles. ACS Macro Letters, 2013, 2, 146-151.	2.3	37
177	Comparison of Borate Bioactive Glass and Calcium Sulfate as Implants for the Local Delivery of Teicoplanin in the Treatment of Methicillin-Resistant Staphylococcus aureus-Induced Osteomyelitis in a Rabbit Model. Antimicrobial Agents and Chemotherapy, 2015, 59, 7571-7580.	1.4	37
178	Progresses in Manufacturing Techniques of Lithiumâ€Ion Battery Separators in China. Chinese Journal of Chemistry, 2019, 37, 1207-1215.	2.6	37
179	Annealing-Induced Oriented Crystallization and Its Influence on the Mechanical Responses in the Melt-Spun Monofilament of Poly(<scp>l</scp>-lactide). Macromolecules, 2010, 43, 1156-1158.	2.2	36
180	Enhanced thermoelectric properties of PEDOT:PSS films via a novel two-step treatment. RSC Advances, 2015, 5, 105592-105599.	1.7	36

#	Article	IF	Citations
181	Heterogeneously Catalyzed Fenton-Reversible Additionâ€“Fragmentation Chain Transfer Polymerization in the Presence of Air. Macromolecules, 2019, 52, 3278-3287.	2.2	36
182	Toughening mechanism in polyoxymethylene/thermoplastic polyurethane blends. Polymer International, 2004, 53, 1666-1671.	1.6	35
183	Synthesis of amphiphilic hyperbranched polyglycerol polymers and their application as template for size control of gold nanoparticles. Journal of Applied Polymer Science, 2006, 101, 509-514.	1.3	35
184	â€œClickingâ€•fluorinated polyhedral oligomeric silsesquioxane onto polymers: a modular approach toward shape amphiphiles with fluorous molecular clusters. Polymer Chemistry, 2014, 5, 3588.	1.9	35
185	Shear Enhanced Fiber Orientation and Adhesion in PP/Glass Fiber Composites. Macromolecular Materials and Engineering, 2006, 291, 239-246.	1.7	34
186	Conversion of borate-based glass scaffold to hydroxyapatite in a dilute phosphate solution. Biomedical Materials (Bristol), 2010, 5, 015005.	1.7	34
187	Synthesis and micellization of new biodegradable phosphorylcholineâ€capped polyurethane. Journal of Polymer Science Part A, 2011, 49, 2033-2042.	2.5	34
188	Synthesis and microphase separated structures of polydimethylsiloxane/polycarbonate-based polyurethanes. RSC Advances, 2013, 3, 8291.	1.7	34
189	Highly Efficient and Versatile Formation of Biocompatible Star Polymers in Pure Water and Their Stimuli-Responsive Self-Assembly. Macromolecules, 2014, 47, 7869-7877.	2.2	34
190	Polyimide polydimethylsiloxane triblock copolymers for thin film composite gas separation membranes. Journal of Polymer Science Part A, 2014, 52, 3372-3382.	2.5	34
191	Confine Clay in an Alternating Multilayered Structure through Injection Molding: A Simple and Efficient Route to Improve Barrier Performance of Polymeric Materials. ACS Applied Materials & Interfaces, 2015, 7, 10178-10189.	4.0	34
192	A waterborne polyurethane 3D scaffold containing PLGA with a controllable degradation rate and an anti-inflammatory effect for potential applications in neural tissue repair. Journal of Materials Chemistry B, 2020, 8, 4434-4446.	2.9	34
193	High area energy density of all-solid-state supercapacitor based on double-network hydrogel with high content of graphene/PANI fiber. Chemical Engineering Journal, 2022, 430, 133045.	6.6	34
194	Enhanced compatibilization and orientation of polyvinyl alcohol/gelatin composite fibers using carbon nanotubes. Journal of Applied Polymer Science, 2008, 107, 4070-4075.	1.3	33
195	Interfacial enhancement of maleated polypropylene/silica composites using graphene oxide. Journal of Applied Polymer Science, 2012, 125, E348.	1.3	33
196	Solâ€“gel method to fabricate CaP scaffolds by robocasting for tissue engineering. Journal of Materials Science: Materials in Medicine, 2012, 23, 921-930.	1.7	33
197	Thiol-Michael â€œclickâ€•chemistry: another efficient tool for head functionalization of giant surfactants. Polymer Chemistry, 2014, 5, 6151-6162.	1.9	33
198	A rapid and facile preparation of novel macroporous silicone-based cryogels via photo-induced thiolâ€“ene click chemistry. Chemical Communications, 2015, 51, 17479-17482.	2.2	33

#	Article	IF	Citations
199	A novel solid state photocatalyst for living radical polymerization under UV irradiation. Scientific Reports, 2016, 6, 20779.	1.6	33
200	Mechanical and surface properties of polyurethane/fluorinated multiâ€walled carbon nanotubes composites. Journal of Applied Polymer Science, 2008, 108, 2023-2028.	1.3	32
201	The degradation and biocompatibility of waterborne biodegradable polyurethanes for tissue engineering. Chinese Journal of Polymer Science (English Edition), 2013, 31, 1451-1462.	2.0	32
202	Synthesis and characterization of biodegradable polyurethanes with folate side chains conjugated to hard segments. Polymer Chemistry, 2014, 5, 2901-2910.	1.9	32
203	Thin film composite membranes for postcombustion carbon capture: Polymers and beyond. Progress in Polymer Science, 2022, 126, 101504.	11.8	32
204	Strong and conductive double-network graphene/PVA gel. RSC Advances, 2014, 4, 39588.	1.7	31
205	Highâ€performance thin film composite membranes with wellâ€defined poly(dimethylsiloxane)â€bâ€poly(ethylene glycol) copolymer additives for CO₂ separation. Journal of Polymer Science Part A, 2015, 53, 1500-1511.	2.5	31
206	Tough and biodegradable polyurethane-curcumin composited hydrogel with antioxidant, antibacterial and antitumor properties. Materials Science and Engineering C, 2021, 121, 111820.	3.8	31
207	Extensionâ€induced mechanical reinforcement in meltâ€spun fibers of polyamide 66/multiwalled carbon nanotube composites. Polymer International, 2011, 60, 1646-1654.	1.6	30
208	Surface Distribution and Biophysicochemical Properties of Polymeric Micelles Bearing Gemini Cationic and Hydrophilic Groups. ACS Applied Materials & Interfaces, 2017, 9, 2138-2149.	4.0	30
209	Preparation of nylon MXD6/EG/CNTs ternary composites with excellent thermal conductivity and electromagnetic interference shielding effectiveness. Chinese Journal of Polymer Science (English) Tj ETQq1 1 0.784314 rgBT /Overlock	2.0	30
210	Improving Damping Properties and Thermal Stability of Epoxy/Polyurethane Grafted Copolymer by Adding Glycidyl POSS. Chinese Journal of Polymer Science (English Edition), 2018, 36, 1297-1302.	2.0	30
211	â€œToolboxâ€•for the Processing of Functional Polymer Composites. Nano-Micro Letters, 2022, 14, 35.	14.4	30
212	Hierarchy structure in injection molded polypropylene/ethyleneâ€“octane copolymer blends. Journal of Applied Polymer Science, 2007, 105, 2252-2259.	1.3	29
213	Preparation, structure and properties of thermoplastic olefin nanocomposites containing functionalized carbon nanotubes. Polymer International, 2011, 60, 1629-1637.	1.6	29
214	Morphology, crystallization, and mechanical properties of poly(ethylene terephthalate)/multiwall carbon nanotube nanocomposites viain situ polymerization with very low content of multiwall carbon nanotubes. Journal of Applied Polymer Science, 2007, 104, 3695-3701.	1.3	28
215	Investigation of nitroxide radical coupling reaction in wide temperature range and different catalyst system. Journal of Polymer Science Part A, 2010, 48, 2991-2999.	2.5	28
216	Synthesis of perfectly alternating copolymers for polymers of intrinsic microporosity. Polymer Chemistry, 2015, 6, 5003-5008.	1.9	28

#	Article	IF	Citations
217	Effect of stretching on the mechanical properties in melt-spun poly(butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 747 Td (suc 383-392.	5.1	28
218	Manipulating the Filler Network Structure and Properties of Polylactide/Carbon Black Nanocomposites with the Aid of Stereocomplex Crystallites. Journal of Physical Chemistry C, 2018, 122, 4232-4240.	1.5	28
219	Direct-ink-writing (DIW) 3D printing functional composite materials based on supra-molecular interaction. Composites Science and Technology, 2021, 215, 109013.	3.8	28
220	Rheological Investigations in Understanding Shear-Enhanced Crystallization of Isotactic Poly(propylene)/Multi-Walled Carbon Nanotube Composites. Macromolecular Rapid Communications, 2007, 28, 1257-1264.	2.0	27
221	Phase structural formation and oscillation in polystyrene-block-polydimethylsiloxane thin films. Soft Matter, 2012, 8, 7937.	1.2	27
222	Biodegradable multiblock polyurethane micelles with tunable reduction-sensitivity for on-demand intracellular drug delivery. RSC Advances, 2014, 4, 24736-24746.	1.7	27
223	Effect of molecular weight on the properties of poly(butylene succinate). Chinese Journal of Polymer Science (English Edition), 2014, 32, 953-960.	2.0	27
224	Synergetic effects of a matrix crystalline structure and chain mobility on the low temperature toughness of polypropylene/ethyleneâ€“octene copolymer blends. RSC Advances, 2015, 5, 54488-54496.	1.7	27
225	Blends of Fluorinated Additives with Highly Selective Thin-Film Composite Membranes to Increase CO₂ Permeability for CO₂/N₂ Gas Separation Applications. Industrial & Engineering Chemistry Research, 2016, 55, 8364-8372.	1.8	27
226	Diverse approaches to star polymers via cationic and radical RAFT cross-linking reactions using mechanistic transformation. Polymer Chemistry, 2017, 8, 5972-5981.	1.9	27
227	Super Strong All-Cellulose Composite Filaments by Combination of Inducing Nanofiber Formation and Adding Nanofibrillated Cellulose. Biomacromolecules, 2018, 19, 4386-4395.	2.6	27
228	Ultrapermeable Composite Membranes Enhanced Via Doping with Amorphous MOF Nanosheets. ACS Central Science, 2021, 7, 671-680.	5.3	27
229	Waterâ€Triggered Stiffening of Shapeâ€Memory Polyurethanes Composed of Hard Backbone Dangling PEG Soft Segments. Advanced Materials, 2022, 34, e2201914.	11.1	27
230	Morphology and properties of PET/PA-6/SiO2 ternary composites. Journal of Applied Polymer Science, 2007, 104, 2288-2296.	1.3	26
231	Stereocomplex crystallites induce simultaneous enhancement in impact toughness and heat resistance of injection-molded polylactide/polyurethane blends. RSC Advances, 2016, 6, 17008-17015.	1.7	26
232	Gradient Polydopamine Coating: A Simple and General Strategy toward Multishape Memory Effects. ACS Applied Materials & Interfaces, 2018, 10, 32922-32934.	4.0	26
233	Sol-gel synthesis of ternary conducting polymer hydrogel for application in all-solid-state flexible supercapacitor. International Journal of Hydrogen Energy, 2019, 44, 6103-6115.	3.8	26
234	Facilely assess the soluble behaviour of the Î²-nucleating agent by gradient temperature field for the construction of heterogeneous crystalline-frameworks in iPP. Soft Matter, 2016, 12, 594-601.	1.2	25

#	Article	IF	Citations
235	In situ ultrathin silica layer formation on polyamide thin-film composite membrane surface for enhanced forward osmosis performances. Journal of Membrane Science, 2021, 620, 118876.	4.1	25
236	Green preparation and enhanced gas barrier property of rubber nanocomposite film based on graphene oxide-induced chemical crosslinking. Polymer, 2021, 225, 123756.	1.8	25
237	Design and Construction of Deformable Heaters: Materials, Structure, and Applications. Advanced Electronic Materials, 2021, 7, 2100452.	2.6	25
238	Studies on blends of high-density polyethylene and polypropylene produced by oscillating shear stress field. Journal of Applied Polymer Science, 2002, 86, 58-63.	1.3	24
239	An observation of accelerated exfoliation in iPP/organoclay nanocomposite as induced by repeated shear during melt solidification. Journal of Polymer Science, Part B: Polymer Physics, 2005, 43, 2005-2012.	2.4	24
240	Strengthening and toughening of thermoplastic polyolefin elastomer using polypropyleneâ€grafted multiwalled carbon nanotubes. Journal of Applied Polymer Science, 2011, 121, 2104-2112.	1.3	24
241	Dynamic percolation in highly oriented conductive networks formed with different carbon nanofillers. Colloid and Polymer Science, 2012, 290, 1393-1401.	1.0	24
242	Fractionation of graphene oxide single nano-sheets in water-glycerol solutions using gradient centrifugation. Carbon, 2016, 103, 363-371.	5.4	24
243	Albumin-Modified Cationic Nanocarriers To Potentially Create a New Platform for Drug Delivery Systems. ACS Applied Materials & Interfaces, 2019, 11, 16421-16429.	4.0	24
244	Glass-activated regeneration of volumetric muscle loss. Acta Biomaterialia, 2020, 103, 306-317.	4.1	24
245	A Universal Mechanochemistry Allows Onâ€Demand Synthesis of Stable and Processable Liquid Metal Composites. Small Methods, 2022, 6, .	4.6	24
246	Preparation and properties of organoâ€modifier free PET/MMT nanocomposites via monomer intercalation and in situ polymerization. Polymers for Advanced Technologies, 2009, 20, 916-925.	1.6	23
247	Observed Photoenhancement of RAFT Polymerizations under Fume Hood Lighting. ACS Macro Letters, 2016, 5, 1287-1292.	2.3	23
248	Inspired by nonenveloped viruses escaping from endo-lysosomes: a pH-sensitive polyurethane micelle for effective intracellular trafficking. Nanoscale, 2016, 8, 7711-7722.	2.8	23
249	Fabrication of electrospun PVDF nanofibers with higher content of polar Î² phase and smaller diameter by adding a small amount of dioctadecyl dimethyl ammonium chloride. Chinese Journal of Polymer Science (English Edition), 2017, 35, 992-1000.	2.0	23
250	Tailor-Made Dispersion and Distribution of Stereocomplex Crystallites in Poly(<scp>l</scp>-lactide)/Elastomer Blends toward Largely Enhanced Crystallization Rate and Impact Toughness. Journal of Physical Chemistry B, 2017, 121, 6271-6279.	1.2	23
251	Surface loading of nanoparticles on engineered or natural erythrocytes for prolonged circulation time: strategies and applications. Acta Pharmacologica Sinica, 2021, 42, 1040-1054.	2.8	23
252	Ordered Conformationâ€Regulated Vesicular Membrane Permeability. Angewandte Chemie - International Edition, 2021, 60, 22529-22536.	7.2	23

#	Article	IF	Citations
253	Tannic Acid: A green and efficient stabilizer of Au, Ag, Cu and Pd nanoparticles for the 4-Nitrophenol Reduction, Suzukiâ€“Miyaura coupling reactions and click reactions in aqueous solution. Journal of Colloid and Interface Science, 2021, 604, 281-291.	5.0	23
254	A facile way to large-scale production of few-layered graphene via planetary ball mill. Chinese Journal of Polymer Science (English Edition), 2016, 34, 1270-1280.	2.0	22
255	Postâ€Crosslinked Polyurethanes with Excellent Shape Memory Property. Macromolecular Rapid Communications, 2017, 38, 1700450.	2.0	22
256	MOF Scaffold for a Highâ€Performance Mixedâ€Matrix Membrane. Angewandte Chemie, 2018, 130, 8733-8738.	1.6	22
257	Reduced administration frequency for the treatment of fungal keratitis: a sustained natamycin release from a micellar solution. Expert Opinion on Drug Delivery, 2020, 17, 407-421.	2.4	22
258	Large tensile deformation behavior of oriented highâ€density polyethylene: A correlation between cavitation and lamellar fragmentation. Journal of Polymer Science, Part B: Polymer Physics, 2008, 46, 1202-1206.	2.4	21
259	Miscibility and isothermal crystallization behavior of polyamide 6/poly(vinyl alcohol) blend. Journal of Polymer Science, Part B: Polymer Physics, 2008, 46, 1360-1368.	2.4	21
260	Nanohybrid shish kebab structure and its effect on mechanical properties in poly(<scp>L</scp>â€lactide)/carbon nanotube nanocomposite fibers. Polymer International, 2012, 61, 1634-1639.	1.6	21
261	A novel non-releasing antibacterial poly(styrene-acrylate)/waterborne polyurethane composite containing gemini quaternary ammonium salt. RSC Advances, 2015, 5, 89763-89770.	1.7	21
262	Enhanced mechanical properties of olefin block copolymer by adding a quaternary ammonium salt functionalized graphene oxide. RSC Advances, 2016, 6, 54785-54792.	1.7	21
263	Multiblock Copolymers toward Segmentation-Driven Morphological Transition. Macromolecules, 2020, 53, 5992-6001.	2.2	21
264	Flexible and Giant Terahertz Modulation Based on Ultra-Strain-Sensitive Conductive Polymer Composites. ACS Applied Materials & Interfaces, 2020, 12, 9790-9796.	4.0	21
265	Ultralow Icing Adhesion of a Superhydrophobic Coating Based on the Synergistic Effect of Soft and Stiff Particles. Langmuir, 2021, 37, 12016-12026.	1.6	21
266	Recent developments of hydrogel based solar water purification technology. Materials Advances, 2022, 3, 1322-1340.	2.6	21
267	Super polyolefin blends achieved via dynamic packing injection molding: Tensile strength. Journal of Applied Polymer Science, 2002, 85, 236-243.	1.3	20
268	Proliferation and function of MC3T3-E1 cells on freeze-cast hydroxyapatite scaffolds with oriented pore architectures. Journal of Materials Science: Materials in Medicine, 2009, 20, 1159-1165.	1.7	20
269	Multishape and Temperature Memory Effects by Strong Physical Confinement in Poly(propylene) Tj ETQq1 1 0.784314 rgBT /Overlock	1.2	20
270	Effect of chain structure on the thermal conductivity of expanded graphite/polymer composites. RSC Advances, 2016, 6, 10185-10191.	1.7	20

#	Article	IF	Citations
271	Microfibrillated cellulose reinforced bio-based poly(propylene carbonate) with dual-responsive shape memory properties. RSC Advances, 2016, 6, 7560-7567.	1.7	20
272	Photocontrolled Cargo Release from Dual Cross-Linked Polymer Particles. ACS Applied Materials & Interfaces, 2016, 8, 6219-6228.	4.0	20
273	Antifogging Surface Facilitated by Nanoscale Coatings with Controllable Hydrophobicity and Crossâ€Linking Density. Macromolecular Materials and Engineering, 2017, 302, 1600199.	1.7	20
274	Controlled RAFT polymerization facilitated by a nanostructured enzyme mimic. Polymer Chemistry, 2018, 9, 4448-4454.	1.9	20
275	Effect of thermal annealing on crystal structure and properties of PLLA/PCL blend. Journal of Polymer Research, 2020, 27, 1.	1.2	20
276	Green and Economical Strategy for Spinning Robust Cellulose Filaments. ACS Sustainable Chemistry and Engineering, 2020, 8, 14927-14937.	3.2	20
277	Photo-responsive Self-Reducible Polymers: Overcoming the Spatiotemporal Barriers for Hypersensitivity. , 2020, 2, 602-609.		20
278	Preparation and characterization of a novel bioactive bone cement: Glass based nanoscale hydroxyapatite bone cement. Journal of Materials Science: Materials in Medicine, 2004, 15, 1333-1338.	1.7	19
279	Investigation on Tensile Deformation Behavior of Semi-Crystalline Polymers. Journal of Macromolecular Science - Physics, 2009, 48, 799-811.	0.4	19
280	Three-Dimensional Visualization of Bioactive Glass-Bone Integration in a Rabbit Tibia Model Using Synchrotron X-Ray Microcomputed Tomography. Tissue Engineering - Part A, 2011, 17, 3077-3084.	1.6	19
281	Enhanced interfacial adhesion via interfacial crystallization between sisal fiber and isotactic polypropylene: direct evidence from single-fiber fragmentation testing. Polymer International, 2014, 63, 646-651.	1.6	19
282	Combined effects of stretching and nanofillers on the crystalline structure and mechanical properties of polypropylene and single-walled carbon nanotube composite fibers. Chinese Journal of Polymer Science (English Edition), 2014, 32, 245-254.	2.0	19
283	The effect of hard block content on the orientation and mechanical properties of olefin block copolymer films as obtained via melt stretching. RSC Advances, 2015, 5, 82535-82543.	1.7	19
284	Precision synthesis of macrocyclic giant surfactants tethered with two different polyhedral oligomeric silsesquioxanes at distinct ring locations via four consecutive â€œclickâ€•reactions. Polymer Chemistry, 2015, 6, 827-837.	1.9	19
285	Multifunctional Mixed Micelles Cross-Assembled from Various Polyurethanes for Tumor Therapy. Biomacromolecules, 2016, 17, 2148-2159.	2.6	19
286	Achieving a low electrical percolation threshold andÂsuperior mechanical performance in poly(<scp>l</scp>-lactide)/thermoplastic polyurethane/carbon nanotubes composites via tailoring phase morphology with the aid of stereocomplex crystallites. RSC Advances, 2017, 7, 11076-11084.	1.7	19
287	Mixing of Racemic Poly(L-lactide)/Poly(D-lactide) Blend with Miscible Poly(D,L-lactide): Toward All Stereocomplex-type Polylactide with Strikingly Enhanced SC Crystallizability. Chinese Journal of Polymer Science (English Edition), 2021, 39, 1470-1480.	2.0	19
288	Synthesis of poly(ethylene oxide) with pending 2,2,6,6-tetramethylpiperidine-1-oxyl groups and its further initiation of the grafting polymerization of styrene. Journal of Polymer Science Part A, 2006, 44, 3836-3842.	2.5	18

#	Article	IF	Citations
289	Crystal morphology and transcrystallization mechanism of isotactic polypropylene induced by fibres: interface nucleationversus bulk nucleation. Polymer International, 2006, 55, 441-448.	1.6	18
290	Preparation of bioactive glasses with controllable degradation behavior and their bioactive characterization. Science Bulletin, 2007, 52, 272-276.	1.7	18
291	Combined effect of shear and nucleating agent on the multilayered structure of injectionâ€molded bar of isotactic polypropylene. Journal of Applied Polymer Science, 2009, 112, 1104-1113.	1.3	18
292	Accelerated Conversion of Silicate Bioactive Glass (13â€93) to Hydroxyapatite in Aqueous Phosphate Solution Containing Polyanions. Journal of the American Ceramic Society, 2009, 92, 2870-2876.	1.9	18
293	The effect of acrylamide-co-vinylpyrrolidinone copolymer on the depression of talc in mixed nickel mineral flotation. Minerals Engineering, 2011, 24, 449-454.	1.8	18
294	Improving tensile strength and toughness of melt processed polyamide 6/multiwalled carbon nanotube composites by in situ polymerization and filler surface functionalization. Journal of Applied Polymer Science, 2011, 120, 133-140.	1.3	18
295	Oscillatory shear-accelerated exfoliation of graphite in polypropylene melt during injection molding. Chinese Journal of Polymer Science (English Edition), 2013, 31, 98-109.	2.0	18
296	Largely Improved Mechanical Properties of a Poly(styrene-b-isoprene-b-styrene) Thermoplastic Elastomer Prepared under Dynamic-Packing Injection Molding. Industrial & Engineering Chemistry Research, 2014, 53, 15287-15295.	1.8	18
297	Strength, toughness, and reliability of a porous glass/biopolymer composite scaffold. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2018, 106, 1209-1217.	1.6	18
298	Aligned 3D porous polyurethane scaffolds for biological anisotropic tissue regeneration. International Journal of Energy Production and Management, 2020, 7, 19-27.	1.9	18
299	The effect of multilayered film structure on the dielectric properties of composites films based on P(VDF-HFP)/Ni(OH)2. Nanocomposites, 2019, 5, 36-48.	2.2	18
300	Facile Construction of Porous Magnetic Nanoparticles from Ferrocene-Functionalized Polyhedral Oligomeric Silsesquioxane-Containing Microparticles for Dye Adsorption. Industrial & Engineering Chemistry Research, 2020, 59, 9532-9540.	1.8	18
301	Chirality Transfer in Supramolecular Co-assembled Fibrous Material Enabling the Visual Recognition of Sucrose. Advanced Fiber Materials, 2020, 2, 204-211.	7.9	18
302	Hydrogen-bond-dominated mechanical stretchability in PVA films: from phenomenological to numerical insights. Physical Chemistry Chemical Physics, 2022, 24, 1885-1895.	1.3	18
303	Preparation of expanded graphite/poly (phenylene sulfide) composites with high thermal and electrical conductivity by rotating solid-state premixing and melt processing. Journal of Materials Science, 2013, 48, 1932-1939.	1.7	17
304	Oriented Poly(lactic acid)/Carbon Nanotube Composite Tapes with High Electrical Conductivity and Mechanical Properties. Macromolecular Materials and Engineering, 2015, 300, 1257-1267.	1.7	17
305	Morphology Evolution of Polymer Blends under Intense Shear During High Speed Thin-Wall Injection Molding. Journal of Physical Chemistry B, 2017, 121, 6257-6270.	1.2	17
306	Preparation of Polylactide Composite with Excellent Flame Retardance and Improved Mechanical Properties. Chinese Journal of Polymer Science (English Edition), 2018, 36, 1385-1393.	2.0	17

#	Article	IF	Citations
307	Knittable Composite Fiber Allows Constant and Tremendous Selfâ€Powering Based on the Transpirationâ€Driven Electrokinetic Effect. Advanced Functional Materials, 2022, 32, .	7.8	17
308	Toughening of recycled polystyrene used for TV backset. Journal of Applied Polymer Science, 2008, 109, 3725-3732.	1.3	16
309	Early Stages of Calcium Phosphate Formation on Bioactive Borosilicate Glass in Aqueous Phosphate Solution. Journal of the American Ceramic Society, 2008, 91, 1528-1533.	1.9	16
310	Preparation of nearly monodisperse microcapsules with controlled morphology by in situ polymerization of a shell layer. Journal of Materials Chemistry, 2009, 19, 6605.	6.7	16
311	New piezoelectric damping composites of poly(vinylidene fluoride) blended with clay and multiâ€walled carbon nanotubes. Polymer International, 2012, 61, 934-938.	1.6	16
312	Simultaneous improvements of thermal stability and mechanical properties of poly(propylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Science (English Edition), 2014, 32, 1724-1736.	2.0	16
313	Effect of melting temperature on interfacial interaction and mechanical properties of polypropylene (PP) fiber reinforced olefin block copolymers (OBCs). RSC Advances, 2014, 4, 45234-45243.	1.7	16
314	Stereoregular High-Density Bottlebrush Polymer and Its Organic Nanocrystal Stereocomplex through Triple-Helix Formation. Macromolecules, 2016, 49, 788-795.	2.2	16
315	Using POSSâ€“C₆₀ giant molecules as a novel compatibilizer for PS/PMMA polymer blends. RSC Advances, 2016, 6, 18924-18928.	1.7	16
316	Morphology and mechanical properties of immiscible polyethylene/polyamide12 blends prepared by high shear processing. Chinese Journal of Polymer Science (English Edition), 2017, 35, 1132-1142.	2.0	16
317	Facile synthesis and anti-icing performance of superhydrophobic flower-like OTS-SiO2 with tunable size. Advanced Powder Technology, 2020, 31, 4533-4540.	2.0	16
318	Enhanced thermal conductivity and wear resistance of polytetrafluoroethylene via incorporating hexagonal boron nitride and alumina particles. Journal of Applied Polymer Science, 2022, 139, 51497.	1.3	16
319	Tunable Size of Hierarchically Porous Alumina Ceramics Based on DIW 3D Printing Supramolecular Gel. ACS Applied Materials & Interfaces, 2022, 14, 10998-11005.	4.0	16
320	Orientation effects on the deformation and fracture properties of high-density polyethylene/ethylene vinyl acetate(HDPE/EVA) blends. Polymer International, 2004, 53, 1078-1086.	1.6	15
321	Synthesis of a thioether modified hyperbranched polyglycerol and its template effect on fabrication of CdS and CdSe nanoparticles. Journal of Applied Polymer Science, 2006, 102, 3679-3684.	1.3	15
322	A New Technique for Preparing a Filled Type of Polymeric Gradient Material. Macromolecular Materials and Engineering, 2006, 291, 1388-1396.	1.7	15
323	Realâ€time ultrasonic monitoring of the injectionâ€molding process. Journal of Applied Polymer Science, 2008, 107, 94-101.	1.3	15
324	Degradation of poly(<scp>D,L</scp>â€lactic acid)â€bâ€poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td (glycol)â€l Applied Polymer Science, 2009, 112, 2981-2987.	1.3	15

#	Article	IF	Citations
325	Effect of melt temperature on the phase morphology, thermal behavior and mechanical properties of injection-molded PP/LLDPE blends. Chinese Journal of Polymer Science (English Edition), 2010, 28, 249-255.	2.0	15
326	Simultaneous enhancement of electrical conductivity and impact strength via formation of carbon blackâ€filler network in PP/EPDM Blends. Polymers for Advanced Technologies, 2011, 22, 857-862.	1.6	15
327	Synergistic effects of Î²â€modification and impact polypropylene copolymer on brittleâ€ductile transition of polypropylene random copolymer. Journal of Applied Polymer Science, 2013, 129, 3613-3622.	1.3	15
328	Study of PE and iPP orientations on the surface of carbon nanotubes by using molecular dynamic simulations. Molecular Simulation, 2013, 39, 1013-1021.	0.9	15
329	The effect of DBP of carbon black on the dynamic self-assembly in a polymer melt. RSC Advances, 2016, 6, 24843-24852.	1.7	15
330	Recent Progress on the Confinement, Assembly, and Relaxation of Inorganic Functional Fillers in Polymer Matrix during Processing. Macromolecular Rapid Communications, 2017, 38, 1700444.	2.0	15
331	Improved Fenton Therapy Using Cancer Cell Hydrogen Peroxide. Australian Journal of Chemistry, 2018, 71, 826.	0.5	15
332	Insight into shearâ€induced modification for improving processability of polymers: Effect of shear rate on the evolution of entanglement state. Journal of Polymer Science, Part B: Polymer Physics, 2019, 57, 598-606.	2.4	15
333	Manipulating the Strengthâ€“Toughness Balance of Poly(<scp>l</scp>-lactide) (PLLA) via Introducing Ductile Poly(lμ-caprolactone) (PCL) and Strong Shear Flow. Industrial & Engineering Chemistry Research, 2020, 59, 1000-1009.	1.8	15
334	Growing Patterned, Cross-linked Nanoscale Polymer Films from Organic and Inorganic Surfaces Using Ring-Opening Metathesis Polymerization. ACS Applied Materials & Interfaces, 2020, 12, 4041-4051.	4.0	15
335	Enhanced Hydrolytic Resistance of Fluorinated Silicon-Containing Polyether Urethanes. Biomacromolecules, 2020, 21, 1460-1470.	2.6	15
336	Mussel-Inspired, Injectable Polyurethane Tissue Adhesives Demonstrate In Situ Gel Formation under Mild Conditions. ACS Applied Bio Materials, 2021, 4, 5352-5361.	2.3	15
337	Mechanical Property, Thermal Property and Crystal Structure of Isotactic Polypropylene Samples Prepared by Vibration Injection Molding. Polymer Bulletin, 2008, 59, 855-864.	1.7	14
338	CF4 plasma-induced grafting of fluoropolymer onto multi-walled carbon nanotube powder. Applied Physics A: Materials Science and Processing, 2008, 90, 431-435.	1.1	14
339	Surface and bulk properties of poly(ether urethane)s/fluorinated phosphatidylcholine polyurethanes blends. Journal of Applied Polymer Science, 2008, 108, 548-553.	1.3	14
340	Partial melting and recrystallization of isotactic polypropylene. Chinese Journal of Polymer Science (English Edition), 2010, 28, 77-83.	2.0	14
341	Suppressed molecular orientation in nylon 6/clay nanocomposite at large strain: Role of microvoiding. Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 514-519.	2.4	14
342	High speed injection molding of high density polyethylene â€" Effects of injection speed on structure and properties. Chinese Journal of Polymer Science (English Edition), 2011, 29, 456-464.	2.0	14

#	Article	IF	Citations
343	The interfacial enhancement of LLDPE/whisker composites via interfacial crystallization. Polymers for Advanced Technologies, 2012, 23, 431-440.	1.6	14
344	Tunable liquid sensing performance of conducting carbon nanotubeâ€“polyethylene composites with a porous segregated structure. RSC Advances, 2013, 3, 19802.	1.7	14
345	Crystallization, Microstructure, and Viscosity Evolutions in Lithium Aluminosilicate Glass-Ceramics. Frontiers in Materials, 2016, 3, .	1.2	14
346	The different effect of reduced graphene oxide and graphene oxide on the performance of chitosan by using homogenous fillers. RSC Advances, 2016, 6, 34153-34158.	1.7	14
347	Simultaneous Improvement of Oxidative and Hydrolytic Resistance of Polycarbonate Urethanes Based on Polydimethylsiloxane/Poly(hexamethylene carbonate) Mixed Macrodiols. Biomacromolecules, 2018, 19, 2137-2145.	2.6	14
348	Lowâ€Temperature Sintering of Stereocomplexâ€Type Polylactide Nascent Powder: From Compression Molding to Injection Molding. Macromolecular Materials and Engineering, 2018, 303, 1800178.	1.7	14
349	Biodegradable, antiâ€adhesive and tough polyurethane hydrogels crosslinked by triol crosslinkers. Journal of Biomedical Materials Research - Part A, 2019, 107, 2205-2221.	2.1	14
350	Engineering the Surface Pattern of Microparticles: From Raspberry-like to Golf Ball-like. ACS Applied Materials & Interfaces, 2021, 13, 31215-31225.	4.0	14
351	Synthesis and evaluation of cationic polyacrylamide and polyacrylate flocculants for harvesting freshwater and marine microalgae. Chemical Engineering Journal, 2022, 433, 133623.	6.6	14
352	Toughening of Poly(L-Lactic Acid) by Annealing: The Effect of Crystal Morphologies and Modifications. Journal of Macromolecular Science - Physics, 2012, 51, 184-196.	0.4	13
353	Combined effect of Î²â€nucleating agent and processing melt temperature on the toughness of impact polypropylene copolymer. Polymer International, 2013, 62, 172-178.	1.6	13
354	Azobenzene-Functionalised Core Cross-Linked Star Polymers and their Hostâ€“Guest Interactions. Australian Journal of Chemistry, 2014, 67, 173.	0.5	13
355	Soft nanoparticles assembled from linear poly(ethylene glycol) and linear brush polydimethylsiloxane diblock copolymers. Journal of Polymer Science Part A, 2014, 52, 1251-1262.	2.5	13
356	Manipulation of multiphase morphology in the reactive blending system OBC/PLA/EGMA. RSC Advances, 2015, 5, 96353-96359.	1.7	13
357	Preparation and Properties of Ultrathin Flexible Expanded Graphite Film via Adding Natural Rubber. Chinese Journal of Polymer Science (English Edition), 2019, 37, 806-814.	2.0	13
358	Adsorbability of Modified PBS Nanofiber Membrane to Heavy Metal Ions and Dyes. Journal of Polymers and the Environment, 2021, 29, 3029-3039.	2.4	13
359	Shear-induced alignment in 3D-printed nitrile rubber-reinforced glass fiber composites. Composites Part B: Engineering, 2022, 229, 109479.	5.9	13
360	Crystal and phase morphology of dynamic-packing-injection-molded high-density polyethylene/ethylene vinyl acetate blends. Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 1831-1840.	2.4	12

#	Article	IF	Citations
361	The effect of poly(vinyl alcohol) hydrolysis on the properties of its blends with nylon 6. Polymer Engineering and Science, 2009, 49, 1553-1561.	1.5	12
362	Microâ€FTâ€IR study of stretching a single filament: Polymorphic transition in nylon 6. Journal of Polymer Science, Part B: Polymer Physics, 2009, 47, 898-902.	2.4	12
363	Largely improved tensile extensibility of poly(<scp>L</scp>â€lactic acid) by adding poly(Îµâ€caprolactone). Polymer International, 2010, 59, 1154-1161.	1.6	12
364	Synthesis and phase behavior of polyurethanes end-capped with fluorinated phosphatidylcholine head groups. Chinese Journal of Polymer Science (English Edition), 2011, 29, 615-626.	2.0	12
365	Shearâ€induced fibrillation and resultant mechanical properties of injectionâ€molded polyamide 1010/isotactic polypropylene blends. Polymer International, 2011, 60, 1655-1662.	1.6	12
366	Preparation and properties of poly(ethylene terephthalate)/inorganic whiskers composites. Journal of Applied Polymer Science, 2011, 121, 604-611.	1.3	12
367	Synthesis of Novel Core Crossâ€Linked Starâ€Based Polyrotaxane Endâ€Capped via â€œCuAACâ€•Click Chemistry. Macromolecular Rapid Communications, 2012, 33, 2109-2114.	2.0	12
368	Synthesis and properties of UV-curable polysiloxane methacrylate obtained by one-step method. Chinese Journal of Polymer Science (English Edition), 2013, 31, 363-370.	2.0	12
369	Fabrication of ultra-thin polyrotaxane-based films via solid-state continuous assembly of polymers. Chemical Communications, 2015, 51, 2025-2028.	2.2	12
370	Preparation and characterization of controlled heparin release waterborne polyurethane coating systems. Chinese Journal of Polymer Science (English Edition), 2016, 34, 679-687.	2.0	12
371	Biomethane production from anaerobic co-digestion and steel-making slag: A new waste-to-resource pathway. Science of the Total Environment, 2020, 738, 139764.	3.9	12
372	Collagenase-loaded pH-sensitive nanocarriers efficiently remodeled tumor stroma matrixes and improved the enrichment of nanomedicines. Nanoscale, 2021, 13, 9402-9414.	2.8	12
373	Biodegradable polyurethane nerve guide conduits with different moduli influence axon regeneration in transected peripheral nerve injury. Journal of Materials Chemistry B, 2021, 9, 7979-7990.	2.9	12
374	Improving Impact Toughness of Polylactide/Ethylene-co-vinyl-acetate Blends via Adding Fumed Silica Nanoparticles: Effects of Specific Surface Area-dependent Interfacial Selective Distribution of Silica. Chinese Journal of Polymer Science (English Edition), 2021, 39, 1040-1049.	2.0	12
375	Effect of ethyleneâ€“acrylateâ€“(maleic anhydride) terpolymer on mechanical properties and morphology of poly(ethylene terephthalate)/polyamide-6 blends. Polymer International, 2008, 57, 139-148.	1.6	11
376	Simulation of self-assembly behaviour of fluorinated phospholipid molecules in aqueous solution by dissipative particle dynamics method. Molecular Simulation, 2009, 35, 638-647.	0.9	11
377	Toughening of polyamide 11 via addition of crystallizable polyethylene derivatives. Polymer International, 2009, 58, 538-544.	1.6	11
378	Effects of matrix molecular weight on structure and reinforcement of high density polyethylene/mica composites. Chinese Journal of Polymer Science (English Edition), 2011, 29, 377-389.	2.0	11

#	Article	IF	Citations
379	Tailoring toughness of injection molded bar of polypropylene random copolymer through processing melt temperature. Polymer International, 2011, 60, 1705-1714.	1.6	11
380	Synergistic effects of polyethylene glycol and ammonium polyphosphate on intumescent flameâ€retardant polypropylene. Polymer Engineering and Science, 2013, 53, 410-416.	1.5	11
381	Effect of surface wettability on transparency in different water conditions. Journal of Coatings Technology Research, 2013, 10, 641-647.	1.2	11
382	Continuous assembly of polymers via solid phase reactions. Chemical Science, 2014, 5, 3374-3380.	3.7	11
383	Enhancement of the tensile strength in poly(p-phenylene sulfide) and multi-walled carbon nanotube nanocomposites by hot-stretching. Journal of Materials Science, 2015, 50, 3622-3630.	1.7	11
384	Effect of trastuzumab on the micellization properties, endocytic pathways and antitumor activities of polyurethane-based drug delivery system. Chinese Journal of Polymer Science (English Edition), 2017, 35, 909-923.	2.0	11
385	Redox-Initiated Reversible Additionâ€“Fragmentation Chain Transfer (RAFT) Polymerization. Australian Journal of Chemistry, 2019, 72, 479.	0.5	11
386	Physical Aging Investigations of a Spirobisindane-Locked Polymer of Intrinsic Microporosity. , 2020, 2, 993-998.		11
387	Viscosity and crystallization of bioactive glasses from 45S5 to 13â€93. International Journal of Applied Glass Science, 2021, 12, 65-77.	1.0	11
388	Title is missing!. Journal of Polymer Research, 2002, 9, 175-181.	1.2	10
389	The Î² Phase of Isotactic Polypropylene in TPVs Based on PP/EPDM. Journal of Macromolecular Science - Physics, 2007, 46, 841-852.	0.4	10
390	Synergistic enhancement in tensile strength and ductility of ABS by using recycled PETG plastic. Journal of Applied Polymer Science, 2009, 113, 1207-1215.	1.3	10
391	Phase behavior and properties of polyvinyl alcohol/gelatin blends with novel pHâ€dependence. Journal of Polymer Science, Part B: Polymer Physics, 2009, 47, 239-247.	2.4	10
392	Superior tensile extensibility of PETG/PC amorphous blends induced via uniaxial stretching. Chinese Journal of Polymer Science (English Edition), 2011, 29, 125-132.	2.0	10
393	Ordered longâ€chelical conformation of isotactic polypropylene obtained in constrained environment of nanoclay. Polymers for Advanced Technologies, 2011, 22, 1375-1380.	1.6	10
394	Polarity-induced ferroelectric crystalline phase in electrospun fibers of poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 Td (fluo	1.2	10
395	Morphology and mechanical properties of poly(ethyleneoctene) copolymers obtained by dynamic packing injection molding. Chinese Journal of Polymer Science (English Edition), 2012, 30, 603-612.	2.0	10
396	The effect of silica morphology on properties of PVA/silica nano-composites. Chinese Journal of Polymer Science (English Edition), 2013, 31, 1546-1553.	2.0	10

#	Article	IF	Citations
397	Brittleâ€“ductile transition behavior of poly(ethylene terephthalate)/poly(ethylene-octene) blend: the roles of compatibility and test temperature. Journal of Materials Science, 2014, 49, 1794-1804.	1.7	10
398	Reduction of graphene oxide with the presence of polypropylene micro-latex for facile preparation of polypropylene/graphene nanosheet composites. Colloid and Polymer Science, 2015, 293, 1495-1503.	1.0	10
399	Preparation of hydrocarbon/fluorocarbon double-chain phospholipid polymer brusheson polyurethane films by ATRP. Colloids and Surfaces B: Biointerfaces, 2015, 128, 36-43.	2.5	10
400	A novel biodegradable phosphorus-containing copolyester with preferable flame retardancy and mechanical properties. RSC Advances, 2015, 5, 61364-61370.	1.7	10
401	Bioactive Glass Innovations Through Academiaâ€“Industry Collaboration. International Journal of Applied Glass Science, 2016, 7, 139-146.	1.0	10
402	Property enhancement of graphene fiber by adding small loading of cellulose nanofiber. Nanocomposites, 2016, 2, 8-17.	2.2	10
403	Transcrystallization of poly(<scp>l</scp>-lactic acid) on the surface of reduced graphene oxide fibers. RSC Advances, 2016, 6, 100090-100097.	1.7	10
404	From UV to NIR: A Fullâ€Spectrum Metalâ€Free Photocatalyst for Efficient Polymer Synthesis in Aqueous Conditions. Angewandte Chemie, 2020, 132, 21576-21580.	1.6	10
405	Evolution of iPP/HDPE Morphology under Different Mold Temperatures via Multiflow Vibration Injection Molding: Thermal Field Simulation and Oriented Structures. Industrial & Engineering Chemistry Research, 2020, 59, 6741-6750.	1.8	10
406	Ultrahigh sensitivity and wide strain range of porous pressure sensor based on binary conductive fillers by in-situ polymerization. Journal of Polymer Research, 2021, 28, 1.	1.2	10
407	para-Aramid Nanofiber Membranes for High-Performance and Multifunctional Materials. ACS Applied Nano Materials, 2022, 5, 747-758.	2.4	10
408	A new technique for preparing polyethylene/polystyrene blends with gradient structure. Journal of Applied Polymer Science, 2007, 105, 2737-2743.	1.3	9
409	Studies on partial compatibility of PP and PS. Chinese Journal of Polymer Science (English Edition), 2010, 28, 647-656.	2.0	9
410	Epitaxial crystallization and oriented structure of linear lowâ€density polyethylene/isotactic polypropylene blends obtained via dynamic packing injection molding. Polymers for Advanced Technologies, 2011, 22, 225-231.	1.6	9
411	Effect of surface â€œgrooveâ€•structure of carbon nanotube bundles on the formation of nanohybrid shish kebab. Journal of Materials Research, 2012, 27, 2812-2818.	1.2	9
412	Size distribution and anisotropy of the minor phase droplets in polypropylene/ethylene-octene copolymer blends: Effects of shear and component miscibility. Chinese Journal of Polymer Science (English Edition), 2014, 32, 9-20.	2.0	9
413	Toughening of polycarbonate through reactive melt blending: Effect of hydroxyl content and viscosity of hydroxyl-terminated polydimethysiloxane. Chinese Journal of Polymer Science (English) Tj ETQq1 1 0.784314 rgBT /Overlock	2.0	9
414	Largely enhanced electrical properties of polymer composites via the combined effect of volume exclusion and synergy. RSC Advances, 2016, 6, 51900-51907.	1.7	9

#	Article	IF	Citations
415	Remarkably Improved Impact Fracture Toughness of Isotactic Polypropylene via Combining the Effects of Shear Layer-Spherulites Layer Alternated Structure and Thermal Annealing. Industrial & Engineering Chemistry Research, 2019, 58, 15069-15078.	1.8	9
416	Preparation of high-performance cellulose composite membranes from LiOH/urea solvent system. Nanocomposites, 2019, 5, 49-60.	2.2	9
417	Correlations between microstructure of Î±â€row nuclei and polymorphism of shearâ€induced iPP/carbon fiber cylindrite. Journal of Polymer Science, Part B: Polymer Physics, 2019, 57, 368-377.	2.4	9
418	Importance of Lowâ€Temperature Meltâ€Mixing on the Construction of Stereocomplex Crystallites with Superior Nucleation Efficiency in Asymmetric Poly(<scp>l</scp>â€lactide)/Poly(<scp>d</scp>â€lactide) Blends. Macromolecular Materials and Engineering, 2021, 306, 2100091.	1.7	9
419	Spherical hybrid filler <scp>BN</scp>@<scp>Al₂O₃</scp> via chemical adhesive for enhancing thermal conductivity and processability of silicon rubber. Journal of Applied Polymer Science, 2021, 138, 51211.	1.3	9
420	Double yielding in PA6: Effect of mold temperature and moisture content. Journal of Polymer Science, Part B: Polymer Physics, 2007, 45, 1217-1225.	2.4	8
421	The variable role of clay on the crystallization behavior of DMDBS-nucleated polypropylene. Chinese Journal of Polymer Science (English Edition), 2011, 29, 732-740.	2.0	8
422	Molecular dynamics studies of interfacial crystallization behaviors in polyethylene/carbon nanotube composites. RSC Advances, 2015, 5, 102219-102227.	1.7	8
423	Largely enhanced mechanical properties and heat distortion temperature of Î²-nucleated isotactic polypropylene by adding ultrafine full-vulcanized powdered rubber. RSC Advances, 2015, 5, 62797-62804.	1.7	8
424	Largely reinforced polyurethane via simultaneous incorporation of poly(lactic acid) and multiwalled carbon nanotubes. RSC Advances, 2015, 5, 30912-30919.	1.7	8
425	Towards high molecular weight poly(bisphenol a carbonate) with excellent thermal stability and mechanical properties by solid-state polymerization. Chinese Journal of Polymer Science (English) Tj ETQq1 1 0.784314 rgBT /Overlock	2.0	8
426	Effect of nanoparticles on fibril formation and mechanical performance of olefinic block copolymer (OBC)/polypropylene (PP) microfibrillar composites. RSC Advances, 2016, 6, 86520-86530.	1.7	8
427	Largely Improved Stretch Ductility and Î²-Form Room-temperature Durability of Poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 2018, 36, 1277-1285.	2.0	8
428	A green and facile fabrication of rGO/FEVE nanocomposite coating for anti-corrosion application. Materials Chemistry and Physics, 2021, 263, 124382.	2.0	8
429	Lamellar orientation in the blends of linear low density polyethylene and isotactic polypropylene induced by dynamic packing injection molding. Journal of Materials Science, 2005, 40, 6409-6415.	1.7	7
430	Conversion of Bioactive Borosilicate Glass to Multilayered Hydroxyapatite in Dilute Phosphate Solution. Journal of the American Ceramic Society, 2007, 90, 070918221104004-???.	1.9	7
431	Freeze-spray deposition of layered alumina/zirconia composites. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2009, 161, 120-124.	1.7	7
432	Plasma treatmentâ€induced fluorineâ€functionalized multiâ€walled carbon nanotubes to modify poly(ethylene terephthalate) obtained via in situ polymerization. Polymer International, 2010, 59, 198-203.	1.6	7

#	Article	IF	Citations
433	Stretch-Induced Shish-Kebabs in Rubbery Poly(L-Lactide). Journal of Macromolecular Science - Physics, 2011, 50, 2042-2049.	0.4	7
434	In vitro performance of 13â€93 bioactive glass fiber and trabecular scaffolds with MLOâ€A5 osteogenic cells. Journal of Biomedical Materials Research - Part A, 2012, 100A, 2593-2601.	2.1	7
435	In situ formation of polypropylene (PP) fibrils in the olefinic block copolymer (OBC): effect of viscosity ratio and OBC block architecture. RSC Advances, 2015, 5, 85442-85445.	1.7	7
436	Preparation and properties of polystyrene nanocomposites containing dumbbell-shaped molecular nanoparticles based on polyhedral oligomeric silsesquioxane and [60]fullerene. RSC Advances, 2015, 5, 70051-70058.	1.7	7
437	A novel phosphatidylcholine-modified polyisoprene: synthesis and characterization. Colloid and Polymer Science, 2016, 294, 433-439.	1.0	7
438	Significant toughness improvement in iPP/PLLA/EGMA blend by introducing dicumyl peroxide as the morphology governor. Colloid and Polymer Science, 2018, 296, 31-39.	1.0	7
439	Cellular Response to 3â€D Printed Bioactive Silicate and Borosilicate Glass Scaffolds. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2019, 107, 818-824.	1.6	7
440	Bioactive Glass Scaffolds for Bone Tissue Engineering. , 2019, , 417-442.		7
441	Effect of Different Shear Modes on Morphology and Mechanical Properties of Polypropylene Pipes Produced by Rotational Shear. Chinese Journal of Polymer Science (English Edition), 2020, 38, 1392-1402.	2.0	7
442	Polyrotaxane-based thin film composite membranes for enhanced nanofiltration performance. Separation and Purification Technology, 2020, 246, 116893.	3.9	7
443	Addressing the challenge of fabricating a high content regenerated cellulose/nanomaterial composite: the magical effect of urea. Green Chemistry, 2020, 22, 4121-4127.	4.6	7
444	Stereocomplex Crystallization Induced Significant Improvement in Transparency and Stiffnessâ€“Toughness Performance of Coreâ€Shell Rubber Nanoparticles Toughened Poly(<scp>l</scp>â€lactide) Blends. Macromolecular Materials and Engineering, 2021, 306, 2100021.	1.7	7
445	Phase Behaviors of Multiâ€tailed B 2 AB 2 â€Type Regioâ€isomeric Giant Surfactants at the Columnarâ€Spherical Boundary. Chinese Journal of Chemistry, 2021, 39, 3261.	2.6	7
446	Nanostructured Bioactive Glass Scaffolds for Bone Repair. Ceramic Engineering and Science Proceedings, 0, , 211-225.	0.1	7
447	Ultrahigh Molecular Weight Polyethylene Lamellarâ€Thin Framework on Square Meter Scale. Advanced Materials, 2022, 34, e2107941.	11.1	7
448	Crystallization and morphology of metallocene polyethylenes with well-controlled molecular weight and branching content. Polymer International, 2003, 52, 164-171.	1.6	6
449	Crystal form and orientation of isotactic polypropylene samples prepared by vibration-injection molding. Journal of Applied Polymer Science, 2007, 106, 1456-1461.	1.3	6
450	Macroscopic Deformation and Failure of Ductile Polyethylene: The Dominant Role of Entangled Amorphous Network. Polymer Journal, 2007, 39, 834-840.	1.3	6

#	Article	IF	Citations
451	Mechanical Property and Crystal Structure of Nylon6 Samples Prepared by Vibration Injection Molding. Polymer-Plastics Technology and Engineering, 2009, 48, 251-256.	1.9	6
452	The effect of adjuvant on the halogenâ€free intumescent flame retardant ABS/PA6/SMA/APP blend. Journal of Applied Polymer Science, 2010, 118, 1552-1560.	1.3	6
453	Toughening of polypropylene with crystallizable poly(ethylene oxide). Polymer International, 2011, 60, 781-786.	1.6	6
454	Interfacial enhancement of poly(ethylene terephthalate)/silica composites using graphene oxide. Journal of Materials Research, 2012, 27, 2360-2367.	1.2	6
455	Enhanced crystallization behaviors of poly(ethylene terephthalate) via adding expanded graphite and poly(ethylene glycol). Colloid and Polymer Science, 2013, 291, 911-917.	1.0	6
456	Thermal annealing-induced superior toughness in polypropylene/poly(ethylene glycol) blend and its structural origin. Polymer Engineering and Science, 2013, 53, 2053-2060.	1.5	6
457	Biomimetic surface modification of polyurethane with phospholipids grafted carbon nanotubes. Journal of Biomedical Materials Research - Part A, 2015, 103, 2711-2719.	2.1	6
458	Prenatal developmental safety of functional polyurethanes for cardiovascular implants. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2016, 104, 606-614.	1.6	6
459	Strong, Tough Glassâ€Ceramics for Emerging Markets. International Journal of Applied Glass Science, 2016, 7, 486-491.	1.0	6
460	The influence of blend composition and filler on the microstructure, crystallization, and mechanical behavior of polymer blends with multilayered structures. Nanocomposites, 2018, 4, 178-189.	2.2	6
461	Role of Melt Plasticizing Temperature in Morphology and Properties of PE100 Pipes Prepared by a Rotational Shear System. ACS Omega, 2020, 5, 12660-12671.	1.6	6
462	Facile preparation of robust superhydrophobic surface based on multiâ€scales nanoparticle. Polymer Engineering and Science, 2020, 60, 1785-1794.	1.5	6
463	THE HIGH-PRESSURE CRYSTALLIZATION AND ANNEALING BEHAVIORS OF POLYETHYLENE TEREPHTHALATE OLIGOMER. Journal of Macromolecular Science - Physics, 2001, 40, 1169-1178.	0.4	5
464	Crystallization kinetics and tensile modulus of blends of metallocene short-chain branched polyethylene with conventional polyolefins. Journal of Applied Polymer Science, 2005, 96, 1816-1823.	1.3	5
465	Shearâ€induced clay dispersion in HDPE/PEgMA/organoclay composites as studied via realâ€time rheological method. Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 302-312.	2.4	5
466	Polystyreneâ€wrapping multiâ€walled carbon nanotubes obtained via simple physical modification of melt mixing. Polymers for Advanced Technologies, 2011, 22, 1359-1365.	1.6	5
467	Preparation of polypropylene/graphite nanocomposite with the aids of rotating solidâ€state mixing and dynamic packing injection molding. Polymer Composites, 2014, 35, 1943-1951.	2.3	5
468	Transcrystallinity and relevant interfacial strength induced by carbon nanotube fibers in a polypropylene matrix. Journal of Applied Polymer Science, 2015, 132, .	1.3	5

#	Article	IF	Citations
469	Effect of microdomain structure on the mechanical behavior of binary blends. Chinese Journal of Polymer Science (English Edition), 2015, 33, 964-975.	2.0	5
470	Spatial-controlled nanoengineered films prepared via rapid catalyst induced cross-linking. Polymer Chemistry, 2016, 7, 3251-3258.	1.9	5
471	Controlled Polymerization: Beyond Traditional RAFT: Alternative Activation of Thiocarbonylthio Compounds for Controlled Polymerization (Adv. Sci. 9/2016). Advanced Science, 2016, 3, .	5.6	5
472	A facile melt coating approach to fabricate macroscopic segregated polymer/carbon nanotube conductive composites with balanced properties. Polymer Composites, 2018, 39, 841-847.	2.3	5
473	Superhydrophobic surface based on nano-engineering for enhancing the durability of anticorrosion. Surface Engineering, 2021, 37, 288-298.	1.1	5
474	Magnetoresistive micro-displacement sensor based on magnetorheological fluid. Smart Materials and Structures, 2021, 30, 045025.	1.8	5
475	Investigating the Influence of Incorporation of Boron Nitride on the Kinetics of Isotactic Polypropylene Entanglement Recovery. Industrial & Engineering Chemistry Research, 2021, 60, 12901-12910.	1.8	5
476	Tough, Bioinspired Transparent Glassâ€Ceramics. Advanced Engineering Materials, 2022, 24, .	1.6	5
477	Brittleâ€“ductile transition in the PETG/PC blends by adding PTW elastomer. Polymers for Advanced Technologies, 2010, 21, 401-407.	1.6	4
478	Effect of solution extrusion rate on morphology and performance of polyvinylidene fluoride hollow fiber membranes using polyvinyl pyrrolidone as an additive. Chinese Journal of Polymer Science (English Edition), 2010, 28, 527-535.	2.0	4
479	Superior reinforcement in polyamide 1010/multiwalled carbon nanotube composites realized by highâ€rate drawing and incorporation of compatibilizer. Polymer International, 2012, 61, 1400-1410.	1.6	4
480	Acidâ€modified carbon nanotubes distribution and mechanical enhancement in polystyrene/elastomer blends. Polymer Engineering and Science, 2012, 52, 964-971.	1.5	4
481	Dynamic Performance of Duolayers at the Air/Water Interface. 1. Experimental Analysis. Journal of Physical Chemistry B, 2014, 118, 10919-10926.	1.2	4
482	Kinetic study of a swelling-induced network of folds in a cross-linked PS-PDMS film. RSC Advances, 2015, 5, 3733-3742.	1.7	4
483	Simultaneously reinforce and toughen polypropylene by inâ€situ introducing polylactic acid microfibrils. Polymers for Advanced Technologies, 2018, 29, 1469-1477.	1.6	4
484	Exploitation of a promising flameâ€retardant engineering plastics by molten composited polyketone and diethyl zinc phosphinate. Polymers for Advanced Technologies, 2019, 30, 1978-1988.	1.6	4
485	Facile synthesis of highly efficient photocatalysts based on organic small molecular co-catalyst. Applied Surface Science, 2019, 469, 553-563.	3.1	4
486	Toward endothelialization via vascular endothelial growth factor immobilization on cellâ€repelling functional polyurethanes. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2019, 107, 965-977.	1.6	4

#	Article	IF	Citations
487	The Role of Mold Temperature on Morphology and Mechanical Properties of PE Pipe Produced by Rotational Shear. Chinese Journal of Polymer Science (English Edition), 2020, 38, 653-664.	2.0	4
488	Synergic Enhancement of High-density Polyethylene through Ultrahigh Molecular Weight Polyethylene and Multi-flow Vibration Injection Molding: A Facile Fabrication with Potential Industrial Prospects. Chinese Journal of Polymer Science (English Edition), 2021, 39, 756-769.	2.0	4
489	Amphiphilic Core Cross-Linked Star Polymers for the Delivery of Hydrophilic Drugs from Hydrophobic Matrices. Biomacromolecules, 2021, 22, 2554-2562.	2.6	4
490	Impact of the Differences in VSC Average Model Parameters on the DC Voltage Critical Stability of an MTDC Power System. IEEE Transactions on Power Systems, 2023, 38, 2805-2819.	4.6	4
491	Enhanced hydrogen bonding and its dramatic impact on deformation behaviors in a biomedical poly(carbonate urethane) with fluorinated chain extender. Journal of Polymer Science, Part B: Polymer Physics, 2009, 47, 2198-2205.	2.4	3
492	A Simple Way for Synthesis of Alkyneâ€Telechelic Poly(methyl methacrylate) via Single Electron Transfer Radical Coupling Reaction. Chinese Journal of Chemistry, 2010, 28, 1327-1330.	2.6	3
493	Alternating multilayer structure of polyethylene/polypropylene blends obtained through injection molding. Journal of Applied Polymer Science, 2012, 124, 4452-4456.	1.3	3
494	Comparison of the toughening behavior for poly(ethylene terephthalate) with spherulitic or ellipsoid elastomer-particles. Journal of Polymer Research, 2014, 21, 1.	1.2	3
495	Tunable d-spacing of dry reduced graphene oxide nanosheets for enhancing re-dispersibility in organic solvents. Applied Surface Science, 2020, 531, 147375.	3.1	3
496	Investigating the disentanglement of long chain branched polypropylene under different shear fields. Journal of Applied Polymer Science, 0, , 51642.	1.3	3
497	Manipulating Matrix Crystallization and Impact Toughness of Polylactide/Elastomer Blends via Tailoring Size and Packing Density of Stereocomplex Crystallites Formed at the Interface. Macromolecular Materials and Engineering, 2022, 307, 2100698.	1.7	3
498	Vibration-Induced Self-Reinforcement of Injection Molding Samples of High-Density Polyethylene. Polymer-Plastics Technology and Engineering, 2006, 45, 601-606.	1.9	2
499	Unusual rheological characteristics of polypropylene/organoclay nanocomposites in continuous cooling process. Journal of Applied Polymer Science, 2012, 125, E292.	1.3	2
500	Enhanced fracture energy during deformation through the construction of an alternating multilayered structure for polyolefin blends. Polymer International, 2018, 67, 1094-1102.	1.6	2
501	Property enhancement of poly(butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 192 Td (succinate)/poly(ethyleneglycolâ€<scp>via highâ€speed extrusion and <scp>in situ</scp> fibrillation. Journal of Applied Polymer Science, 2019, 136, 47549.	1.3	2
502	Balanced physical properties for thermoplastic silicone vulcanizateâ€based polymer composites containing functional filler. Polymer Composites, 2020, 41, 4307-4317.	2.3	2
503	Effect of mandrel rotation speed on morphology and mechanical properties of polypropylene pipes produced by rotational shear. Journal of Polymer Research, 2021, 28, 1.	1.2	2
504	Triplet Fusion Upconversion with Oxygen Resistance in Aqueous Media. Analytical Chemistry, 2021, 93, 4641-4646.	3.2	2

#	Article	IF	Citations
505	Ordered Conformationâ€Regulated Vesicular Membrane Permeability. Angewandte Chemie, 2021, 133, 22703-22710.	1.6	2
506	Ultra-high stability and magnetic response of magnetorheological fluids based on magnetic ionic liquids and carbonyl iron fibers. Journal of Rheology, 2021, 65, 1347-1359.	1.3	2
507	In situ synthesis of metalâ€free Nâ€GQD@gâ€C 3 N 4 photocatalyst for enhancing photocatalytic activity. Micro and Nano Letters, 2021, 16, 77-82.	0.6	2
508	Enhanced crystallization of the Î³â€form of propyleneâ€“ethylene copolymer in its miscible blends with propylene homopolymer. Polymer International, 2009, 58, 939-943.	1.6	1
509	Modification of poly(D,L-lactic acid)-co-poly(ethylene glycol) copolymer by low energy electron beam (EB) radiation. E-Polymers, 2010, 10, .	1.3	1
510	Electroactive Shape-Memory Ternary Composite Based on Bi-Component Biodegradable Polyester. Journal of Macromolecular Science - Physics, 2012, 51, 1815-1821.	0.4	1
511	Unique Slow Crack Growth Behavior of Isotactic Polypropylene: The Role of Shear Layer-Spherulites Layer Alternated Structure. Polymers, 2020, 12, 2746.	2.0	1
512	Preparation and properties of polypropylene/montmorillonite layered nanocomposites. , 2000, 49, 1561.		1
513	CHAPTER 13. New Approaches Towards the Design of Tough Amphiphilic Polymeric Co-networks. RSC Polymer Chemistry Series, 2020, , 277-308.	0.1	1
514	Shear induced phase coarsening in Polystyrene/Styrene-ethylene-butylene-styrene blends. Journal of Materials Science, 2006, 41, 5882-5889.	1.7	0
515	Polymer Materials and Engineering Research at Sichuan University. Macromolecular Rapid Communications, 2017, 38, 1700592.	2.0	0
516	The processing of alternating multi-layered functional polymer composites through high speed thin-wall injection molding. AIP Conference Proceedings, 2019, , .	0.3	0
517	Mussel-inspired polyurethane coating for bio-surface functionalization to enhance substrate adhesion and cell biocompatibility. Journal of Biomaterials Science, Polymer Edition, 0, , 1-13.	1.9	0