

# Dujin Wang

## List of Publications by Year in Descending Order

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

162 papers	3,521 citations	31 h-index	51 g-index
173 ext. papers	4,272 ext. citations	4.7 avg, IF	5.68 L-index

#	Paper	IF	Citations
162	Crystallization kinetics and nanoparticle ordering in semicrystalline polymer nanocomposites. <i>Progress in Polymer Science</i> , <b>2022</b> , 128, 101527	29.6	1
161	Using Successive Self-Nucleation and Annealing to Detect the Solid-Solid Transitions in Poly(hexamethylene carbonate) and Poly(octamethylene carbonate). <i>Macromolecules</i> , <b>2021</b> , 54, 9670-9680	5.5	0
160	Strain-Induced Form Transition and Crystallization Behavior of the Transparent Polyamide. <i>Polymers</i> , <b>2021</b> , 13,	4.5	1
159	Industrial Adaptability of the Ziegler-Natta Catalyst-Friendly Synthesis of Long-Chain-Branched Polypropylene Based on $\alpha$ -Alkenylmethylchlorosilane-Assisted Propylene Polymerization. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2021</b> , 60, 4589-4601	3.9	3
158	Crystallization of poly(hexamethylene carbonate)-co-poly(hexamethylene urethane) segmental block copolymers: From single to double crystalline phases. <i>Polymer</i> , <b>2021</b> , 222, 123675	3.9	4
157	Fractionated crystallization in semicrystalline polymers. <i>Progress in Polymer Science</i> , <b>2021</b> , 115, 101376	29.6	16
156	Suppression of the Self-Nucleation Effect of Semicrystalline Polymers by Confinement. <i>Macromolecules</i> , <b>2021</b> , 54, 3810-3821	5.5	6
155	Probing the difference of crystalline modifications and structural disorder of isotactic polypropylene via high-resolution FTIR spectroscopy. <i>Polymer</i> , <b>2021</b> , 224, 123722	3.9	1
154	Reversible/irreversible Transition of Strain-Induced Crystallization in Segmented Copolymers: The Critical Strain and Chain Conformation. <i>ACS Applied Polymer Materials</i> , <b>2021</b> , 3, 3576-3585	4.3	4
153	Peculiar self-nucleation behavior of a polybutene-1/ethylene random copolymer. <i>Polymer Crystallization</i> , <b>2021</b> , 4, e10201	0.9	
152	The Brill Transition in Long-Chain Aliphatic Polyamide 1012: The Role of Hydrogen-Bonding Organization. <i>Macromolecules</i> , <b>2021</b> , 54, 6835-6844	5.5	2
151	To Clarify the Resilience of PEBA/MWCNT Foams via Revealing the Effect of the Nanoparticle and the Cellular Structure. <i>ACS Applied Polymer Materials</i> , <b>2021</b> , 3, 3766-3775	4.3	2
150	New insight into the thermal-oxidative stability of polyamide 6: A comparison investigation on the effect of hindered amine and CuI/KI. <i>Polymer Engineering and Science</i> , <b>2021</b> , 61, 348-361	2.3	1
149	Even/Odd Effect in Aliphatic Polycarbonates with Different Chain Lengths: from Poly (Hexamethylene Carbonate) to Poly (Dodecamethylene Carbonate). <i>Macromolecules</i> , <b>2021</b> , 54, 259-271	5.5	6
148	Microphase separation/crosslinking competition-based ternary microstructure evolution of poly(ether--amide).. <i>RSC Advances</i> , <b>2021</b> , 11, 6934-6942	3.7	3
147	Direct Relationship between Dispersion and Crystallization Behavior in Poly(ethylene oxide)/Poly(ethylene glycol)-g-Silica Nanocomposites. <i>Macromolecules</i> , <b>2021</b> , 54, 1870-1880	5.5	5
146	Solid-Solid Crystal Transitions (I to II) in Poly(hexamethylene carbonate) and Poly(octamethylene carbonate). <i>Macromolecules</i> , <b>2021</b> , 54, 7258-7268	5.5	1

145	Morphological Characteristics of $\pi$ -Nucleating Agents Governing the Formation of the Crystalline Structure of Isotactic Polypropylene. <i>Macromolecules</i> , <b>2021</b> , 54, 6824-6834	5.5	6
144	Confined Crystallization of Polymers within Nanopores. <i>Accounts of Chemical Research</i> , <b>2021</b> , 54, 3028-3038	4.5	7
143	Competition between Chain Extension and Crosslinking in Polyamide 1012 during High-Temperature Thermal Treatments as Revealed by Successive Self-Nucleation and Annealing Fractionation. <i>Macromolecules</i> , <b>2021</b> , 54, 7552-7563	5.5	1
142	Arbitrarily Reconfigurable and Thermadaptable Reversible Two-Way Shape Memory Poly(thiourethane) Accomplished by Multiple Dynamic Covalent Bonds. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 43426-43437	9.5	5
141	Crystallization of a Self-Assembling Nucleator in Poly(l-lactide) Melt. <i>Crystal Growth and Design</i> , <b>2021</b> , 21, 5880-5888	3.5	1
140	Cell Structure Variation in Poly(ether- <i>mb</i> -amide) Copolymer Foams Induced by Chemi-Crystallization. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 11340-11349	3.9	15
139	$\pi$ -Alkenylmethyldichlorosilane-assisted propylene polymerization with Ziegler-Natta catalyst to long chain-branched polypropylene. <i>Polymer</i> , <b>2020</b> , 202, 122737	3.9	6
138	Effect of nanoparticle and glass fiber on the hydrothermal aging of polyamide 6. <i>Journal of Applied Polymer Science</i> , <b>2020</b> , 137, 49585	2.9	4
137	Influence of soft block and film thickness on confined morphology of poly(ether- <i>mb</i> -amide) multiblock copolymers. <i>Polymer Crystallization</i> , <b>2020</b> , 3, e10100	0.9	2
136	Exploring the polymorphic behavior of a $\pi$ -nucleated propylene-ethylene random copolymer under shear flow. <i>Polymer Crystallization</i> , <b>2020</b> , 3, e10105	0.9	
135	The methylene infrared vibration and dielectric behavior monitored by amide group arrangement for long chain polyamides. <i>Polymer</i> , <b>2020</b> , 190, 122231	3.9	12
134	The origin of memory effects in the crystallization of polyamides: Role of hydrogen bonding. <i>Polymer</i> , <b>2020</b> , 188, 122117	3.9	24
133	The segmental responses to orientation and relaxation of thermoplastic poly(ether-ester) elastomer during cyclic deformation: An in-situ WAXD/SAXS study. <i>Polymer</i> , <b>2020</b> , 188, 122120	3.9	12
132	Chain Conformation and Aggregation Structure Formation of a High Charge Mobility DPP-Based Donor-Acceptor Conjugated Polymer. <i>Macromolecules</i> , <b>2020</b> , 53, 8255-8266	5.5	9
131	Effect of Nanoconfinement on the Isodimorphic Crystallization of Poly(butylene succinate- <i>ran</i> -caprolactone) Random Copolymers. <i>Macromolecules</i> , <b>2020</b> , 53, 6486-6497	5.5	12
130	Effect of the Crystallization Conditions on the Exclusion/Inclusion Balance in Biodegradable Poly(butylene succinate- <i>butylene</i> adipate) Copolymers. <i>Biomacromolecules</i> , <b>2020</b> , 21, 3420-3435	6.9	9
129	Crystallization, Orientation, and Solid-Solid Crystal Transition of Polybutene-1 Confined within Nanoporous Alumina. <i>Macromolecules</i> , <b>2020</b> , 53, 6510-6518	5.5	11
128	Segmental Dynamics Govern the Cold Crystallization of Poly(lactic acid) in Nanoporous Alumina. <i>Macromolecules</i> , <b>2019</b> , 52, 6904-6912	5.5	18

127	Verification of the Competitive Effect between Heterogeneous and Gas Diffusion-Induced Cell Nucleation in Determining the Cell Structure in Polystyrene/Poly(methyl methacrylate) Blends via Structural Evolution Driven by Phase Separation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 18439-18447	3.9	9
126	How cyclic chain topology can reduce the crystallization rate of poly(3-hexylthiophene) and promote the formation of liquid crystalline phases in comparison with linear analogue chains. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 6548-6558	7.1	6
125	Correlation between Grafting Density and Confined Crystallization Behavior of Poly(ethylene glycol) Grafted to Silica. <i>Macromolecules</i> , <b>2019</b> , 52, 1505-1516	5.5	31
124	Nucleation of Poly(lactide) on the Surface of Different Fibers. <i>Macromolecules</i> , <b>2019</b> , 52, 6274-6284	5.5	21
123	Crystallization Kinetics of Poly(ethylene oxide) under Confinement in Nanoporous Alumina Studied by in Situ X-ray Scattering and Simulation. <i>Langmuir</i> , <b>2019</b> , 35, 11799-11808	4	9
122	Cooking-Inspired Versatile Design of an Ultrastrong and Tough Polysaccharide Hydrogel through Programmed Supramolecular Interactions. <i>Advanced Materials</i> , <b>2019</b> , 31, e1902381	24	47
121	Interfacial effects on crystallization behavior of polymer nanocomposites with polymer-grafted nanoparticles. <i>Polymer Crystallization</i> , <b>2019</b> , 2, e10066	0.9	2
120	Generating Triple Crystalline Superstructures in Melt Miscible PEO-b-PCL-b-PLLA Triblock Terpolymers by Controlling Thermal History and Sequential Crystallization. <i>Macromolecular Chemistry and Physics</i> , <b>2019</b> , 220, 1900292	2.6	4
119	How Confinement Affects the Nucleation, Crystallization, and Dielectric Relaxation of Poly(butylene succinate) and Poly(butylene adipate) Infiltrated within Nanoporous Alumina Templates. <i>Langmuir</i> , <b>2019</b> , 35, 15168-15179	4	11
118	Manipulating crystallization behavior of poly(ethylene oxide) by functionalized nanoparticle inclusion. <i>Polymer</i> , <b>2019</b> , 165, 28-38	3.9	11
117	Morphology and electric conductivity controlling of in situ polymerized poly(decamethylene dodecanoamide)/polyaniline composites. <i>Journal of Applied Polymer Science</i> , <b>2019</b> , 136, 47041	2.9	1
116	Microstructural evolution underlying the ternary stages of the elastic behaviors for poly(ether-b-amide) copolymer elastomers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2018</b> , 56, 855-864	2.6	11
115	Reversible Lamellar Periodic Structures Induced by Sequential Crystallization/Melting in PBS-co-PCL Multiblock Copolymer. <i>Macromolecules</i> , <b>2018</b> , 51, 1100-1109	5.5	14
114	Nature of the double melting peaks of regioregular poly(3-dodecylthiophene). <i>European Polymer Journal</i> , <b>2018</b> , 99, 284-288	5.2	5
113	Interfacial nucleation in iPP/PB-1 blends promotes the formation of polybutene-1 trigonal crystals. <i>Polymer</i> , <b>2018</b> , 138, 396-406	3.9	31
112	Promotion of Self-Nucleation with Latent Form I Nuclei in Polybutene-1 and Its Copolymer. <i>Macromolecules</i> , <b>2018</b> , 51, 6037-6046	5.5	29
111	Colorless, Transparent, Robust, and Fast Scratch-Self-Healing Elastomers via a Phase-Locked Dynamic Bonds Design. <i>Advanced Materials</i> , <b>2018</b> , 30, e1802556	24	257
110	Surface modification of polyimide fibers by novel alkaline-solvent hydrolysis to form high-performance fiber-reinforced composites. <i>Journal of Applied Polymer Science</i> , <b>2018</b> , 135, 46595	2.9	6

109	Shape memory property and underlying mechanism by the phase separation control of poly( $\epsilon$ -caprolactone)/poly(ether-b-amide). <i>Polymer International</i> , <b>2018</b> , 67, 1291-1301	3.3	3
108	Uniaxial and Mixed Orientations of Poly(ethylene oxide) in Nanoporous Alumina Studied by X-ray Pole Figure Analysis. <i>Macromolecules</i> , <b>2018</b> , 51, 9484-9493	5.5	12
107	Deformation Mechanism of Poly(3-alkylthiophene) Studied by in Situ X-ray Scattering and Texture Analysis. <i>Macromolecules</i> , <b>2018</b> , 51, 8306-8315	5.5	8
106	Influence of soft block crystallization on microstructural variation of double crystalline poly(ether-mb-amide) multiblock copolymers. <i>Polymer Crystallization</i> , <b>2018</b> , 1, e10012	0.9	7
105	Confined crystallization behaviors in polyethylene/silica nanocomposites: Synergetic effects of interfacial interactions and filler network. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2017</b> , 55, 498-505	2.6	14
104	High elasticity and corresponding microstructure origin of novel long chain poly(amide-block-ether) filament fibers. <i>European Polymer Journal</i> , <b>2017</b> , 90, 171-182	5.2	19
103	Self-Associated Polyamide Alloys with Tailored Polymorphism Transition and Lamellar Thickening for Advanced Mechanical Application. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 19238-19247	9.5	11
102	Strain-Induced Crystallization of Segmented Copolymers: Deviation from the Classic Deformation Mechanism. <i>Macromolecules</i> , <b>2017</b> , 50, 3911-3921	5.5	42
101	Facile and controllable synthesis of hybrid silica nanoparticles densely grafted with poly(ethylene glycol). <i>Polymer International</i> , <b>2017</b> , 66, 1395-1401	3.3	12
100	The Brill transition in polyether-b-amide segmented copolymers and composition dependence. <i>European Polymer Journal</i> , <b>2017</b> , 93, 334-346	5.2	13
99	A simplified chemorheological model of viscosity evolution for solvent containing resol resin in RTM process. <i>Journal of Applied Polymer Science</i> , <b>2017</b> , 134, 45282	2.9	8
98	Synergistic enhancement of crystallization and mechanical performance of polypropylene random copolymer by strong shear and nucleating agent. <i>Polymer International</i> , <b>2017</b> , 66, 1141-1150	3.3	1
97	In situ synthesis of bilayered gradient poly(vinyl alcohol)/hydroxyapatite composite hydrogel by directional freezing-thawing and electrophoresis method. <i>Materials Science and Engineering C</i> , <b>2017</b> , 77, 76-83	8.3	22
96	Probing into the epitaxial crystallization of $\beta$ -form isotactic polypropylene: From experimental observations to molecular mechanics computation. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2017</b> , 55, 418-424	2.6	13
95	Oil-in-Water Emulsion Templated and Crystallization-Driven Self-Assembly Formation of Poly(l-lactide)-Polyoxyethylene-Poly(l-lactide) Fibers. <i>Langmuir</i> , <b>2017</b> , 33, 13060-13067	4	6
94	Synergetic effects of interfacial and spatial confinement in polymer nanocomposites. <i>Modern Physics Letters B</i> , <b>2017</b> , 31, 1730003	1.6	5
93	Direct Relationship Between Interfacial Microstructure and Confined Crystallization in Poly(Ethylene Oxide)/Silica Composites: The Study of Polymer Molecular Weight Effects. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2017</b> , 55, 1608-1616	2.6	11
92	Trilayered Morphology of an ABC Triple Crystalline Triblock Terpolymer. <i>Macromolecules</i> , <b>2017</b> , 50, 7268-7281	5.7	24

91	Double Crystalline Multiblock Copolymers with Controlling Microstructure for High Shape Memory Fixity and Recovery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 30046-30055	9.5	28
90	Reexamining the Crystallization of Poly( $\epsilon$ -caprolactone) and Isotactic Polypropylene under Hard Confinement: Nucleation and Orientation. <i>Macromolecules</i> , <b>2017</b> , 50, 9015-9023	5.5	31
89	Supernucleation and Orientation of Poly(butylene terephthalate) Crystals in Nanocomposites Containing Highly Reduced Graphene Oxide. <i>Macromolecules</i> , <b>2017</b> , 50, 9380-9393	5.5	23
88	Unusual Interfacial Freezing Phenomena in Hexacontane/Silica Composites. <i>Journal of Physical Chemistry B</i> , <b>2017</b> , 121, 6659-6666	3.4	2
87	Correlation between stress relaxation dynamics and thermochemistry for covalent adaptive networks polymers. <i>Materials Chemistry Frontiers</i> , <b>2017</b> , 1, 111-118	7.8	54
86	Mechanical properties of PNIPAM based hydrogels: A review. <i>Materials Science and Engineering C</i> , <b>2017</b> , 70, 842-855	8.3	256
85	Entrance pressure instability of LLDPE and its composites. <i>RSC Advances</i> , <b>2016</b> , 6, 81703-81711	3.7	6
84	Two-Step Freezing in Alkane Monolayers on Colloidal Silica Nanoparticles: From a Stretched-Liquid to an Interface-Frozen State. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 7522-8	3.4	5
83	Structural Transitions in Solution-Cast Films of a New AABB Type Thiophene Copolymer. <i>Macromolecules</i> , <b>2016</b> , 49, 8653-8660	5.5	3
82	Enhancement of Mechanical and Self-Healing Performance in Multiwall Carbon Nanotube/Rubber Composites via Diels-Alder Bonding. <i>Macromolecular Materials and Engineering</i> , <b>2016</b> , 301, 535-541	3.9	61
81	Effect of the melting temperature on the crystallization behavior of a poly(l-lactide)/poly(d-lactide) equimolar mixture. <i>Journal of Applied Polymer Science</i> , <b>2016</b> , 133, n/a-n/a	2.9	4
80	Transient microstructure in long alkane segment polyamide: Deformation mechanism and its temperature dependence. <i>Polymer</i> , <b>2016</b> , 97, 217-225	3.9	35
79	Sequential crystallization and morphology of triple crystalline biodegradable PEO-b-PCL-b-PLLA triblock terpolymers. <i>RSC Advances</i> , <b>2016</b> , 6, 4739-4750	3.7	16
78	Interfacial effect on confined crystallization of poly(ethylene oxide)/silica composites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2016</b> , 54, 414-423	2.6	20
77	Polymerization induced viscoelastic phase separation of porous phenolic resin from solution. <i>Polymer International</i> , <b>2016</b> , 65, 1031-1038	3.3	5
76	Simultaneous improvement in strength, toughness, and thermal stability of epoxy/halloysite nanotubes composites by interfacial modification. <i>Journal of Applied Polymer Science</i> , <b>2016</b> , 133, n/a-n/a <sup>2.9</sup>	2.9	15
75	The formation of the S-shaped edge-on lamellae on the thin porous polylactic acid membrane via phase separation induced by water microdroplets. <i>Journal of Applied Polymer Science</i> , <b>2016</b> , 133, n/a-n/a <sup>2.9</sup>	2.9	3
74	Effect of solubility of a hydrazide compound on the crystallization behavior of poly(L-lactide). <i>RSC Advances</i> , <b>2016</b> , 6, 113377-113389	3.7	7



73	In-situ investigation on the structural evolution of mesomorphic isotactic polypropylene in a continuous heating process. <i>Polymer</i> , <b>2016</b> , 105, 133-143	3.9	14
72	Application of SSA thermal fractionation and X-ray diffraction to elucidate comonomer inclusion or exclusion from the crystalline phases in poly(butylene succinate-ran-butylene azelate) random copolymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2016</b> , 54, 2346-2358	2.6	17
71	Correlation between chain microstructure and mechanical properties of two polypropylene/poly(ethylene-co-propylene) in-reactor alloys. <i>Colloid and Polymer Science</i> , <b>2015</b> , 293, 1011-1021	2.4	3
70	Role of PEG Segment in Stereocomplex Crystallization for PLLA/PDLA-b-PEG-b-PDLA Blends. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2015</b> , 3, 1492-1500	8.3	37
69	Flow-induced crystallization of long chain aliphatic polyamides under a complex flow field: Inverted anisotropic structure and formation mechanism. <i>Polymer</i> , <b>2015</b> , 73, 91-101	3.9	16
68	Effective activation of halloysite nanotubes by piranha solution for amine modification via silane coupling chemistry. <i>RSC Advances</i> , <b>2015</b> , 5, 52916-52925	3.7	76
67	Superior shape memory properties and microstructure evolution of poly(ether-b-amide12) elastomer enhanced by poly( $\epsilon$ -caprolactone). <i>RSC Advances</i> , <b>2015</b> , 5, 50628-50637	3.7	13
66	Enhanced Crystallization from the Glassy State of Poly(l-lactic acid) Confined in Anodic Alumina Oxide Nanopores. <i>Macromolecules</i> , <b>2015</b> , 48, 2526-2533	5.5	49
65	Tailoring crystallization behavior of poly (l-lactide) with a low molecular weight aliphatic amide. <i>Colloid and Polymer Science</i> , <b>2015</b> , 293, 3573-3583	2.4	23
64	Tailored Porphyrin Assembly at the Oil/Aqueous Interface Based on the Receding of Three-Phase Contact Line of Droplet Template. <i>Advanced Materials Interfaces</i> , <b>2015</b> , 2, 1400365	4.6	17
63	Study on fracture behavior of PLLA transcrystallization: Effect of crystalline morphology. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132,	2.9	7
62	Characterization on the phase separation behavior of styrene-butadiene rubber/polyisoprene/organoclay ternary blends under oscillatory shear. <i>Journal of Chemical Physics</i> , <b>2015</b> , 143, 114903	3.9	3
61	Stress induced reversible crystal transition in polymers. <i>Polymer International</i> , <b>2015</b> , 64, 951-956	3.3	4
60	Enhanced Crystallization Rate of Poly(l-lactide) Mediated by a Hydrazide Compound: Nucleating Mechanism Study. <i>Macromolecular Chemistry and Physics</i> , <b>2015</b> , 216, 1134-1145	2.6	43
59	Facile fabrication of fast recyclable and multiple self-healing epoxy materials through diels-alder adduct cross-linker. <i>Journal of Polymer Science Part A</i> , <b>2015</b> , 53, 2094-2103	2.5	110
58	A WAXS/SAXS study on the deformation behavior of $\epsilon$ -nucleated propylene/ethylene random copolymer subjected to uniaxial stretching. <i>RSC Advances</i> , <b>2015</b> , 5, 44610-44617	3.7	11
57	How Composition Determines the Properties of Isodimorphic Poly(butylene succinate-ran-butylene azelate) Random Biobased Copolymers: From Single to Double Crystalline Random Copolymers. <i>Macromolecules</i> , <b>2015</b> , 48, 43-57	5.5	73
56	Transamidation determination and mechanism of long chain-based aliphatic polyamide alloys with excellent interface miscibility. <i>Polymer</i> , <b>2015</b> , 59, 16-25	3.9	23

55	Critical Stress for Crystal Transition in Poly(butylene succinate)-Based Crystalline/Amorphous Multiblock Copolymers. <i>Macromolecules</i> , <b>2014</b> , 47, 7533-7539	5.5	35
54	Two-way shape memory property and its structural origin of cross-linked poly( $\epsilon$ -caprolactone). <i>RSC Advances</i> , <b>2014</b> , 4, 55483-55494	3.7	47
53	Subcomponent self-assembly of polymer chains based on dynamic and geometrical coordination diversity of the first row transition metal ions. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 1202-1209	4.9	16
52	Hollow hydroxyapatite spheres fabrication with three-dimensional hydrogel template. <i>CrystEngComm</i> , <b>2014</b> , 16, 4202-4209	3.3	33
51	Crystalline structure and phase behavior of N-alkylated polypyrrole comb-like polymers. <i>CrystEngComm</i> , <b>2014</b> , 16, 7090	3.3	18
50	Effect of Silane Coupling Agent on Physical Properties of Polypropylene Membrane Reinforced by Native Superfine down Powder. <i>Polymers and Polymer Composites</i> , <b>2014</b> , 22, 509-518	0.8	3
49	Crystallization and oriented attachment of monohydrocalcite and its crystalline phase transformation. <i>CrystEngComm</i> , <b>2013</b> , 15, 509-515	3.3	19
48	Formation of calcite with stepped (104) face under control of poly (ethylene glycol)-b-poly (L-leucine) at the air/water interface. <i>CrystEngComm</i> , <b>2013</b> , 15, 3417	3.3	4
47	Toward rapid aqueous RAFT polymerization of primary amine functional monomer under visible light irradiation at 25 °C. <i>Polymer Chemistry</i> , <b>2013</b> , 4, 1176-1182	4.9	64
46	The inexistence of epitaxial relationship between stereocomplex and crystal of poly(lactic acid): Direct experimental evidence. <i>Polymer</i> , <b>2013</b> , 54, 1923-1929	3.9	30
45	Programmable selectivity of metal/amine bond coordination in subcomponent self-assembly of a primary amine based block copolymer. <i>Soft Matter</i> , <b>2013</b> , 9, 1885-1894	3.6	14
44	Manipulating Crystal Orientation of Poly(ethylene oxide) by Nanopores.. <i>ACS Macro Letters</i> , <b>2013</b> , 2, 181-184	6.6	61
43	Low-molecular weight aliphatic amides as nucleating agents for poly (L-lactic acid): Conformation variation induced crystallization enhancement. <i>Polymer</i> , <b>2012</b> , 53, 2306-2314	3.9	64
42	Study on the thermal behaviors and the morphology in PVP and nylon 6 blends. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 123, 375-381	2.9	4
41	Reversible Lamellar Thickening Induced by Crystal Transition in Poly(butylene succinate). <i>Macromolecules</i> , <b>2012</b> , 45, 5487-5493	5.5	68
40	Epitaxy-Induced Crystallization of Olefin Block Copolymers. <i>Macromolecules</i> , <b>2012</b> , 45, 5979-5985	5.5	33
39	Synergetic effect of polyamide 1212 and diisocyanate on performance improving of thermoplastic polyurethane via melt compounding. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 125, 1077-1083	2.9	7
38	Correlation of miscibility and mechanical properties of polypropylene/olefin block copolymers: Effect of chain composition. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 125, 666-675	2.9	31



37	Large-area crack-free single-crystal photonic crystals via combined effects of polymerization-assisted assembly and flexible substrate. <i>NPG Asia Materials</i> , <b>2012</b> , 4, e21-e21	10.3	66
36	Confined crystallization and phase transition in semi-rigid chitosan containing long chain alkyl groups. <i>CrystEngComm</i> , <b>2011</b> , 13, 561-567	3.3	33
35	The catanionic surfactant-assisted syntheses of 26-faceted and hexapod-shaped Cu <sub>2</sub> O and their electrochemical performances. <i>CrystEngComm</i> , <b>2011</b> , 13, 4174	3.3	41
34	Investigation on isothermal crystallization, melting behaviors, and spherulitic morphologies of multiblock copolymers containing poly(butylene succinate) and poly(1,2-propylene succinate). <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 119, 2124-2134	2.9	9
33	Morphology and mechanical properties of binary blends of polypropylene with statistical and block ethylene-octene copolymers. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 119, 3591-3597	2.9	29
32	Improving the processability of biodegradable polymer by stearate additive. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 120, 692-700	2.9	9
31	The dynamic crystallization and multiple melting behavior of polypropylene in the in-reactor alloy: A differential scanning calorimetry study. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 121, 1372-1383	2.9	3
30	Phase separation induced morphology evolution and corresponding impact fracture behavior of iPP/PEOc blends. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 121, 445-453	2.9	11
29	Synthesis, Characterization and Degradation of Novel Biodegradable Poly(butylene-co-hexamethylene carbonate) Copolycarbonates. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>2011</b> , 48, 583-594	2.2	24
28	Solid-State NMR Characterization of the Multiphase Structure of Polypropylene In-reactor Alloy. <i>Macromolecular Chemistry and Physics</i> , <b>2010</b> , 211, 1157-1166	2.6	20
27	Investigation on the melt spinning fibers of PP/organoclay nanocomposites prepared by in-situ polymerization. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 116, NA-NA	2.9	1
26	Crystalline behaviors and phase transition during the manufacture of fine denier PA6 fibers. <i>Science in China Series B: Chemistry</i> , <b>2009</b> , 52, 1835-1842		19
25	Anomalous rheological behavior of poly(1-vinyl-2-pyrrolidone) and CuCl <sub>2</sub> in solution and their interactions in solid composites. <i>Polymer International</i> , <b>2009</b> , 58, 906-911	3.3	13
24	Integrated polymer spherulites growing from one homogeneous nucleation site in supercritical fluid. <i>New Journal of Chemistry</i> , <b>2009</b> , 33, 1841	3.6	7
23	Preparation of nearly monodisperse microcapsules with controlled morphology by in situ polymerization of a shell layer. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 6605		15
22	Phase Structure and Crystallization Behavior of Polypropylene in-Reactor Alloys: Insights from Both Inter- and Intramolecular Compositional Heterogeneity. <i>Macromolecules</i> , <b>2008</b> , 41, 826-833	5.5	72
21	Nascent Phase Separation and Crystallization Kinetics of an iPP/PEOc Polymer Alloy Prepared on a Single Multicatalyst Reactor Granule. <i>Macromolecules</i> , <b>2008</b> , 41, 1421-1429	5.5	33
20	Interaction of thermoplastic polyurethane with polyamide 1212 and its influence on the thermal and mechanical properties of TPU/PA1212 blends. <i>Polymer Engineering and Science</i> , <b>2008</b> , 48, 249-256	2.3	37

19	In situ compatibilization of polypropylene/polystyrene blend by controlled degradation and reactive extrusion. <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 111, NA-NA	2.9	1
18	Preparation, characterization, and prominent thermal stability of phase-change microcapsules with phenolic resin shell and n-hexadecane core. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 104, 2799-2806	2.9	44
17	Time evolution of phase structure and corresponding mechanical properties of iPP/PEOc blends in the late-stage phase separation and crystallization. <i>Polymer</i> , <b>2007</b> , 48, 6395-6403	3.9	31
16	Interactions between metal chlorides and poly(vinyl pyrrolidone) in concentrated solutions and solid-state films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2007</b> , 45, 1589-1598	2.6	31
15	Peanut-shaped aggregation of CaCO <sub>3</sub> crystallites in the presence of an amphiphilic derivative of carboxymethylchitosan. <i>Colloid and Polymer Science</i> , <b>2007</b> , 285, 641-647	2.4	8
14	Three-dimensional observation of the phase structure of high density polyethylene (HDPE)/poly(ethylene-co-butene) (PEB) blend by laser scanning confocal microscopy. <i>Science Bulletin</i> , <b>2007</b> , 52, 2042-2047		3
13	Double-Hydrophilic Polymer Brushes: Synthesis and Application for Crystallization Modification of Calcium Carbonate. <i>Macromolecular Chemistry and Physics</i> , <b>2006</b> , 207, 684-693	2.6	20
12	Suspension Effect of Poly(styrene-ran-methacrylic Acid) Latex Particles on Crystal Growth of Calcium Carbonate. <i>Crystal Growth and Design</i> , <b>2005</b> , 5, 1387-1391	3.5	28
11	Mesogen-Free Supramolecular Liquid Crystalline State Formed by a Polyelectrolyte/Amphiphile Complex. <i>Macromolecular Rapid Communications</i> , <b>2005</b> , 26, 226-231	4.8	17
10	Investigation of the Variation of Unit Cell Dimensions of Crystalline Polymers with High-Resolution FT-IR Spectroscopy. <i>Macromolecular Rapid Communications</i> , <b>2005</b> , 26, 895-898	4.8	9
9	FT-IR spectroscopic investigation on the interaction between nylon 66 and lithium salts. <i>Journal of Applied Polymer Science</i> , <b>2004</b> , 91, 2869-2875	2.9	61
8	Morphology investigation of transcrystallinity at polyamide 66/aramid fiber interface. <i>Journal of Applied Polymer Science</i> , <b>2004</b> , 91, 2980-2983	2.9	11
7	Polypropylene/montmorillonite composites and their application in hybrid fiber preparation by melt-spinning. <i>Journal of Applied Polymer Science</i> , <b>2004</b> , 92, 552-558	2.9	48
6	Surface treatments of subdenier monofilament polypropylene fibers to optimize their reinforcing efficiency in cementitious composites. <i>Journal of Applied Polymer Science</i> , <b>2004</b> , 92, 2637-2641	2.9	7
5	Performance characteristics of subdenier monofilament polypropylene fiber reinforced mortars. <i>Journal of Applied Polymer Science</i> , <b>2004</b> , 94, 2251-2256	2.9	4
4	A comparison study on the homogeneity and heterogeneity fiber induced crystallization of isotactic polypropylene. <i>Colloid and Polymer Science</i> , <b>2003</b> , 281, 973-979	2.4	17
3	Optical Microscopic Study on the Morphologies of Isotactic Polypropylene Induced by Its Homogeneity Fibers. <i>Macromolecules</i> , <b>2003</b> , 36, 2802-2807	5.5	110
2	Self-Assembled Mesomorphic Structure in Complexes of Branched Poly(ethyleneimine) with Octadecanoic Acid. <i>Macromolecular Rapid Communications</i> , <b>2001</b> , 22, 504-507	4.8	13

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