Dujin Wang

List of Publications by Citations

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	Colorless, Transparent, Robust, and Fast Scratch-Self-Healing Elastomers via a Phase-Locked Dynamic Bonds Design. *Advanced Materials*, **2018**, 30, e1802556	24	257
161	Mechanical properties of PNIPAM based hydrogels: A review. *Materials Science and Engineering C*, **2017**, 70, 842-855	8.3	256
160	Facile fabrication of fast recyclable and multiple self-healing epoxy materials through diels-alder adduct cross-linker. *Journal of Polymer Science Part A*, **2015**, 53, 2094-2103	2.5	110
159	Optical Microscopic Study on the Morphologies of Isotactic Polypropylene Induced by Its Homogeneity Fibers. *Macromolecules*, **2003**, 36, 2802-2807	5.5	110
158	Effective activation of halloysite nanotubes by piranha solution for amine modification via silane coupling chemistry. *RSC Advances*, **2015**, 5, 52916-52925	3.7	76
157	How Composition Determines the Properties of Isodimorphic Poly(butylene succinate-ran-butylene azelate) Random Biobased Copolymers: From Single to Double Crystalline Random Copolymers. *Macromolecules*, **2015**, 48, 43-57	5.5	73
156	Phase Structure and Crystallization Behavior of Polypropylene in-Reactor Alloys: Insights from Both Inter- and Intramolecular Compositional Heterogeneity. *Macromolecules*, **2008**, 41, 826-833	5.5	72
155	Reversible Lamellar Thickening Induced by Crystal Transition in Poly(butylene succinate). *Macromolecules*, **2012**, 45, 5487-5493	5.5	68
154	Large-area crack-free single-crystal photonic crystals via combined effects of polymerization-assisted assembly and flexible substrate. *NPG Asia Materials*, **2012**, 4, e21-e21	10.3	66
153	Low-molecular weight aliphatic amides as nucleating agents for poly (L-lactic acid): Conformation variation induced crystallization enhancement. *Polymer*, **2012**, 53, 2306-2314	3.9	64
152	Toward rapid aqueous RAFT polymerization of primary amine functional monomer under visible light irradiation at 25 °C. *Polymer Chemistry*, **2013**, 4, 1176-1182	4.9	64
151	Enhancement of Mechanical and Self-Healing Performance in Multiwall Carbon Nanotube/Rubber Composites via Diels–Alder Bonding. *Macromolecular Materials and Engineering*, **2016**, 301, 535-541	3.9	61
150	Manipulating Crystal Orientation of Poly(ethylene oxide) by Nanopores.. *ACS Macro Letters*, **2013**, 2, 181-184	6.6	61
149	FT-IR spectroscopic investigation on the interaction between nylon 66 and lithium salts. *Journal of Applied Polymer Science*, **2004**, 91, 2869-2875	2.9	61
148	Correlation between stress relaxation dynamics and thermochemistry for covalent adaptive networks polymers. *Materials Chemistry Frontiers*, **2017**, 1, 111-118	7.8	54
147	Enhanced Crystallization from the Glassy State of Poly(l-lactic acid) Confined in Anodic Alumina Oxide Nanopores. *Macromolecules*, **2015**, 48, 2526-2533	5.5	49
146	Polypropylene/montmorillonite composites and their application in hybrid fiber preparation by melt-spinning. *Journal of Applied Polymer Science*, **2004**, 92, 552-558	2.9	48

145	Cooking-Inspired Versatile Design of an Ultrastrong and Tough Polysaccharide Hydrogel through Programmed Supramolecular Interactions. *Advanced Materials*, **2019**, 31, e1902381	24	47
144	Two-way shape memory property and its structural origin of cross-linked poly(ε-caprolactone). *RSC Advances*, **2014**, 4, 55483-55494	3.7	47
143	Preparation, characterization, and prominent thermal stability of phase-change microcapsules with phenolic resin shell and n-hexadecane core. *Journal of Applied Polymer Science*, **2007**, 104, 2799-2806	2.9	44
142	Enhanced Crystallization Rate of Poly(l-lactide) Mediated by a Hydrazide Compound: Nucleating Mechanism Study. *Macromolecular Chemistry and Physics*, **2015**, 216, 1134-1145	2.6	43
141	Strain-Induced Crystallization of Segmented Copolymers: Deviation from the Classic Deformation Mechanism. *Macromolecules*, **2017**, 50, 3911-3921	5.5	42
140	The catanionic surfactant-assisted syntheses of 26-faceted and hexapod-shaped Cu2O and their electrochemical performances. *CrystEngComm*, **2011**, 13, 4174	3.3	41
139	Role of PEG Segment in Stereocomplex Crystallization for PLLA/PDLA-b-PEG-b-PDLA Blends. *ACS Sustainable Chemistry and Engineering*, **2015**, 3, 1492-1500	8.3	37
138	Interaction of thermoplastic polyurethane with polyamide 1212 and its influence on the thermal and mechanical properties of TPU/PA1212 blends. *Polymer Engineering and Science*, **2008**, 48, 249-256	2.3	37
137	Transient microstructure in long alkane segment polyamide: Deformation mechanism and its temperature dependence. *Polymer*, **2016**, 97, 217-225	3.9	35
136	Critical Stress for Crystal Transition in Poly(butylene succinate)-Based Crystalline–Amorphous Multiblock Copolymers. *Macromolecules*, **2014**, 47, 7533-7539	5.5	35
135	Hollow hydroxyapatite spheres fabrication with three-dimensional hydrogel template. *CrystEngComm*, **2014**, 16, 4202-4209	3.3	33
134	Epitaxy-Induced Crystallization of Olefin Block Copolymers. *Macromolecules*, **2012**, 45, 5979-5985	5.5	33
133	Confined crystallization and phase transition in semi-rigid chitosan containing long chain alkyl groups. *CrystEngComm*, **2011**, 13, 561-567	3.3	33
132	Nascent Phase Separation and Crystallization Kinetics of an iPP/PEOc Polymer Alloy Prepared on a Single Multicatalyst Reactor Granule. *Macromolecules*, **2008**, 41, 1421-1429	5.5	33
131	Correlation between Grafting Density and Confined Crystallization Behavior of Poly(ethylene glycol) Grafted to Silica. *Macromolecules*, **2019**, 52, 1505-1516	5.5	31
130	Interfacial nucleation in iPP/PB-1 blends promotes the formation of polybutene-1 trigonal crystals. *Polymer*, **2018**, 138, 396-406	3.9	31
129	Reexamining the Crystallization of Poly(ε-caprolactone) and Isotactic Polypropylene under Hard Confinement: Nucleation and Orientation. *Macromolecules*, **2017**, 50, 9015-9023	5.5	31
128	Correlation of miscibility and mechanical properties of polypropylene/olefin block copolymers: Effect of chain composition. *Journal of Applied Polymer Science*, **2012**, 125, 666-675	2.9	31

127	Time evolution of phase structure and corresponding mechanical properties of iPP/PEOc blends in the late-stage phase separation and crystallization. *Polymer*, **2007**, 48, 6395-6403	3.9	31
126	Interactions between metal chlorides and poly(vinyl pyrrolidone) in concentrated solutionsand solid-state films. *Journal of Polymer Science, Part B: Polymer Physics*, **2007**, 45, 1589-1598	2.6	31
125	The inexistence of epitaxial relationship between stereocomplex and □-crystal of poly(lactic acid): Direct experimental evidence. *Polymer*, **2013**, 54, 1923-1929	3.9	30
124	Promotion of Self-Nucleation with Latent Form I Nuclei in Polybutene-1 and Its Copolymer. *Macromolecules*, **2018**, 51, 6037-6046	5.5	29
123	Morphology and mechanical properties of binary blends of polypropylene with statistical and block ethylene-octene copolymers. *Journal of Applied Polymer Science*, **2011**, 119, 3591-3597	2.9	29
122	Double Crystalline Multiblock Copolymers with Controlling Microstructure for High Shape Memory Fixity and Recovery. *ACS Applied Materials & Interfaces*, **2017**, 9, 30046-30055	9.5	28
121	Suspension Effect of Poly(styrene-ran-methacrylic Acid) Latex Particles on Crystal Growth of Calcium Carbonate. *Crystal Growth and Design*, **2005**, 5, 1387-1391	3.5	28
120	Trilayered Morphology of an ABC Triple Crystalline Triblock Terpolymer. *Macromolecules*, **2017**, 50, 7268-7281	5.5	24
119	Synthesis, Characterization and Degradation of Novel Biodegradable Poly(butylene-co-hexamethylene carbonate) Copolycarbonates. *Journal of Macromolecular Science - Pure and Applied Chemistry*, **2011**, 48, 583-594	2.2	24
118	The origin of memory effects in the crystallization of polyamides: Role of hydrogen bonding. *Polymer*, **2020**, 188, 122117	3.9	24
117	Tailoring crystallization behavior of poly (l-lactide) with a low molecular weight aliphatic amide. *Colloid and Polymer Science*, **2015**, 293, 3573-3583	2.4	23
116	Supernucleation and Orientation of Poly(butylene terephthalate) Crystals in Nanocomposites Containing Highly Reduced Graphene Oxide. *Macromolecules*, **2017**, 50, 9380-9393	5.5	23
115	Transamidation determination and mechanism of long chain-based aliphatic polyamide alloys with excellent interface miscibility. *Polymer*, **2015**, 59, 16-25	3.9	23
114	In situ synthesis of bilayered gradient poly(vinyl alcohol)/hydroxyapatite composite hydrogel by directional freezing-thawing and electrophoresis method. *Materials Science and Engineering C*, **2017**, 77, 76-83	8.3	22
113	Nucleation of Poly(lactide) on the Surface of Different Fibers. *Macromolecules*, **2019**, 52, 6274-6284	5.5	21
112	Solid-State NMR Characterization of the Multiphase Structure of Polypropylene In-reactor Alloy. *Macromolecular Chemistry and Physics*, **2010**, 211, 1157-1166	2.6	20
111	Double-Hydrophilic Polymer Brushes: Synthesis and Application for Crystallization Modification of Calcium Carbonate. *Macromolecular Chemistry and Physics*, **2006**, 207, 684-693	2.6	20
110	Interfacial effect on confined crystallization of poly(ethylene oxide)/silica composites. *Journal of Polymer Science, Part B: Polymer Physics*, **2016**, 54, 414-423	2.6	20

109	High elasticity and corresponding microstructure origin of novel long chain poly(amide-block-ether) filament fibers. *European Polymer Journal*, **2017**, 90, 171-182	5.2	19
108	Crystallization and oriented attachment of monohydrocalcite and its crystalline phase transformation. *CrystEngComm*, **2013**, 15, 509-515	3.3	19
107	Crystalline behaviors and phase transition during the manufacture of fine denier PA6 fibers. *Science in China Series B: Chemistry*, **2009**, 52, 1835-1842		19
106	Segmental Dynamics Govern the Cold Crystallization of Poly(lactic acid) in Nanoporous Alumina. *Macromolecules*, **2019**, 52, 6904-6912	5.5	18
105	Crystalline structure and phase behavior of N-alkylated polypyrrole comb-like polymers. *CrystEngComm*, **2014**, 16, 7090	3.3	18
104	Tailored Porphyrin Assembly at the Oil–Aqueous Interface Based on the Receding of Three-Phase Contact Line of Droplet Template. *Advanced Materials Interfaces*, **2015**, 2, 1400365	4.6	17
103	A comparison study on the homogeneity and heterogeneity fiber induced crystallization of isotactic polypropylene. *Colloid and Polymer Science*, **2003**, 281, 973-979	2.4	17
102	Mesogen-Free Supramolecular Liquid Crystalline State Formed by a Polyelectrolyte/Amphiphile Complex. *Macromolecular Rapid Communications*, **2005**, 26, 226-231	4.8	17
101	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. *Journal of Polymer Science, Part B: Polymer Physics*, **2016**, 54, 2346-2358	2.6	17
100	Flow-induced crystallization of long chain aliphatic polyamides under a complex flow field: Inverted anisotropic structure and formation mechanism. *Polymer*, **2015**, 73, 91-101	3.9	16
99	Sequential crystallization and morphology of triple crystalline biodegradable PEO-b-PCL-b-PLLA triblock terpolymers. *RSC Advances*, **2016**, 6, 4739-4750	3.7	16
98	Subcomponent self-assembly of polymer chains based on dynamic and geometrical coordination diversity of the first row transition metal ions. *Polymer Chemistry*, **2014**, 5, 1202-1209	4.9	16
97	Fractionated crystallization in semicrystalline polymers. *Progress in Polymer Science*, **2021**, 115, 101376	29.6	16
96	Cell Structure Variation in Poly(ether-mb-amide) Copolymer Foams Induced by Chemi-Crystallization. *Industrial & Engineering Chemistry Research*, **2020**, 59, 11340-11349	3.9	15
95	Preparation of nearly monodisperse microcapsules with controlled morphology by in situpolymerization of a shell layer. *Journal of Materials Chemistry*, **2009**, 19, 6605		15
94	Simultaneous improvement in strength, toughness, and thermal stability of epoxy/halloysite nanotubes composites by interfacial modification. *Journal of Applied Polymer Science*, **2016**, 133, n/a-n/a	2.9	15
93	Confined crystallization behaviors in polyethylene/silica nanocomposites: Synergetic effects of interfacial interactions and filler network. *Journal of Polymer Science, Part B: Polymer Physics*, **2017**, 55, 498-505	2.6	14
92	Reversible Lamellar Periodic Structures Induced by Sequential Crystallization/Melting in PBS-co-PCL Multiblock Copolymer. *Macromolecules*, **2018**, 51, 1100-1109	5.5	14

91	Programmable selectivity of metal□mine bond coordination in subcomponent self-assembly of a primary amine based block copolymer. *Soft Matter*, **2013**, 9, 1885-1894	3.6	14
90	In-situ investigation on the structural evolution of mesomorphic isotactic polypropylene in a continuous heating process. *Polymer*, **2016**, 105, 133-143	3.9	14
89	The Brill transition in polyether-b-amide segmented copolymers and composition dependence. *European Polymer Journal*, **2017**, 93, 334-346	5.2	13
88	Probing into the epitaxial crystallization of □form isotactic polypropylene: From experimental observations to molecular mechanics computation. *Journal of Polymer Science, Part B: Polymer Physics*, **2017**, 55, 418-424	2.6	13
87	Superior shape memory properties and microstructure evolution of poly(ether-b-amide12) elastomer enhanced by poly(□caprolactone). *RSC Advances*, **2015**, 5, 50628-50637	3.7	13
86	Anomalous rheological behavior of poly(1-vinyl-2-pyrrolidone) and CuCl2 in solution and their interactions in solid composites. *Polymer International*, **2009**, 58, 906-911	3.3	13
85	Self-Assembled Mesomorphic Structure in Complexes of Branched Poly(ethyleneimine) with Octadecanoic Acid. *Macromolecular Rapid Communications*, **2001**, 22, 504-507	4.8	13
84	Facile and controllable synthesis of hybrid silica nanoparticles densely grafted with poly(ethylene glycol). *Polymer International*, **2017**, 66, 1395-1401	3.3	12
83	The methylene infrared vibration and dielectric behavior monitored by amide group arrangement for long chain polyamides. *Polymer*, **2020**, 190, 122231	3.9	12
82	The segmental responses to orientation and relaxation of thermoplastic poly(ether-ester) elastomer during cyclic deformation: An in-situ WAXD/SAXS study. *Polymer*, **2020**, 188, 122120	3.9	12
81	Effect of Nanoconfinement on the Isodimorphic Crystallization of Poly(butylene succinate-ran-caprolactone) Random Copolymers. *Macromolecules*, **2020**, 53, 6486-6497	5.5	12
80	Uniaxial and Mixed Orientations of Poly(ethylene oxide) in Nanoporous Alumina Studied by X-ray Pole Figure Analysis. *Macromolecules*, **2018**, 51, 9484-9493	5.5	12
79	Self-Associated Polyamide Alloys with Tailored Polymorphism Transition and Lamellar Thickening for Advanced Mechanical Application. *ACS Applied Materials & Interfaces*, **2017**, 9, 19238-19247	9.5	11
78	Microstructural evolution underlying the ternary stages of the elastic behaviors for poly(ether-b-amide) copolymer elastomers. *Journal of Polymer Science, Part B: Polymer Physics*, **2018**, 56, 855-864	2.6	11
77	How Confinement Affects the Nucleation, Crystallization, and Dielectric Relaxation of Poly(butylene succinate) and Poly(butylene adipate) Infiltrated within Nanoporous Alumina Templates. *Langmuir*, **2019**, 35, 15168-15179	4	11
76	Direct Relationship Between Interfacial Microstructure and Confined Crystallization in Poly(Ethylene Oxide)/Silica Composites: The Study of Polymer Molecular Weight Effects. *Journal of Polymer Science, Part B: Polymer Physics*, **2017**, 55, 1608-1616	2.6	11
75	A WAXS/SAXS study on the deformation behavior of □nucleated propylene□ethylene random copolymer subjected to uniaxial stretching. *RSC Advances*, **2015**, 5, 44610-44617	3.7	11
74	Phase separation induced morphology evolution andcorresponding impact fracture behavior of iPP/PEOc blends. *Journal of Applied Polymer Science*, **2011**, 121, 445-453	2.9	11

73	Morphology investigation of transcrystallinity at polyamide 66/aramid fiber interface. *Journal of Applied Polymer Science*, **2004**, 91, 2980-2983	2.9	11
72	Crystallization, Orientation, and Solid−Solid Crystal Transition of Polybutene-1 Confined within Nanoporous Alumina. *Macromolecules*, **2020**, 53, 6510-6518	5.5	11
71	Manipulating crystallization behavior of poly(ethylene oxide) by functionalized nanoparticle inclusion. *Polymer*, **2019**, 165, 28-38	3.9	11
70	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. *Industrial & Engineering Chemistry Research*, **2019**, 58, 18439-18447	3.9	9
69	Crystallization Kinetics of Poly(ethylene oxide) under Confinement in Nanoporous Alumina Studied by in Situ X-ray Scattering and Simulation. *Langmuir*, **2019**, 35, 11799-11808	4	9
68	Investigation on isothermal crystallization, melting behaviors, and spherulitic morphologies of multiblock copolymers containing poly(butylene succinate) and poly(1,2-propylene succinate). *Journal of Applied Polymer Science*, **2011**, 119, 2124-2134	2.9	9
67	Improving the processability of biodegradable polymer by stearate additive. *Journal of Applied Polymer Science*, **2011**, 120, 692-700	2.9	9
66	Investigation of the Variation of Unit Cell Dimensions of Crystalline Polymers with High-Resolution FT-IR Spectroscopy. *Macromolecular Rapid Communications*, **2005**, 26, 895-898	4.8	9
65	Chain Conformation and Aggregation Structure Formation of a High Charge Mobility DPP-Based Donor−Acceptor Conjugated Polymer. *Macromolecules*, **2020**, 53, 8255-8266	5.5	9
64	Effect of the Crystallization Conditions on the Exclusion/Inclusion Balance in Biodegradable Poly(butylene succinate--butylene adipate) Copolymers. *Biomacromolecules*, **2020**, 21, 3420-3435	6.9	9
63	A simplified chemorheological model of viscosity evolution for solvent containing resol resin in RTM process. *Journal of Applied Polymer Science*, **2017**, 134, 45282	2.9	8
62	Peanut-shaped aggregation of CaCO3 crystallites in the presence of an amphiphilic derivative of carboxymethylchitosan. *Colloid and Polymer Science*, **2007**, 285, 641-647	2.4	8
61	Deformation Mechanism of Poly(3-alkylthiophene) Studied by in Situ X-ray Scattering and Texture Analysis. *Macromolecules*, **2018**, 51, 8306-8315	5.5	8
60	Study on fracture behavior of PLLA transcrystallization: Effect of crystalline morphology. *Journal of Applied Polymer Science*, **2015**, 132,	2.9	7
59	Synergetic effect of polyamide 1212 and diisocyanate on performance improving of thermoplastic polyurethane via melt compounding. *Journal of Applied Polymer Science*, **2012**, 125, 1077-1083	2.9	7
58	Integrated polymer spherulites growing from one homogeneous nucleation site in supercritical fluid. *New Journal of Chemistry*, **2009**, 33, 1841	3.6	7
57	Surface treatments of subdenier monofilament polypropylene fibers to optimize their reinforcing efficiency in cementitious composites. *Journal of Applied Polymer Science*, **2004**, 92, 2637-2641	2.9	7
56	Effect of solubility of a hydrazide compound on the crystallization behavior of poly(L-lactide). *RSC Advances*, **2016**, 6, 113377-113389	3.7	7

55	Influence of soft block crystallization on microstructural variation of double crystalline poly(ether-mb-amide) multiblock copolymers. *Polymer Crystallization*, **2018**, 1, e10012	0.9	7
54	Confined Crystallization of Polymers within Nanopores. *Accounts of Chemical Research*, **2021**, 54, 3028-3038	2.3	7
53	Oil-in-Water Emulsion Templated and Crystallization-Driven Self-Assembly Formation of Poly(l-lactide)-Polyoxyethylene-Poly(l-lactide) Fibers. *Langmuir*, **2017**, 33, 13060-13067	4	6
52	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. *Journal of Materials Chemistry C*, **2019**, 7, 6548-6558	7.1	6
51	Alkenylmethyldichlorosilane-assisted propylene polymerization with Ziegler-Natta catalyst to long chain-branched polypropylene. *Polymer*, **2020**, 202, 122737	3.9	6
50	Entrance pressure instability of LLDPE and its composites. *RSC Advances*, **2016**, 6, 81703-81711	3.7	6
49	Surface modification of polyimide fibers by novel alkaline solvent hydrolysis to form high-performance fiber-reinforced composites. *Journal of Applied Polymer Science*, **2018**, 135, 46595	2.9	6
48	Suppression of the Self-Nucleation Effect of Semicrystalline Polymers by Confinement. *Macromolecules*, **2021**, 54, 3810-3821	5.5	6
47	Even Odd Effect in Aliphatic Polycarbonates with Different Chain Lengths: from Poly (Hexamethylene Carbonate) to Poly (Dodecamethylene Carbonate). *Macromolecules*, **2021**, 54, 259-271	5.5	6
46	Morphological Characteristics of Nucleating Agents Governing the Formation of the Crystalline Structure of Isotactic Polypropylene. *Macromolecules*, **2021**, 54, 6824-6834	5.5	6
45	Nature of the double melting peaks of regioregular poly(3-dodecylthiophene). *European Polymer Journal*, **2018**, 99, 284-288	5.2	5
44	Two-Step Freezing in Alkane Monolayers on Colloidal Silica Nanoparticles: From a Stretched-Liquid to an Interface-Frozen State. *Journal of Physical Chemistry B*, **2016**, 120, 7522-8	3.4	5
43	Synergetic effects of interfacial and spatial confinement in polymer nanocomposites. *Modern Physics Letters B*, **2017**, 31, 1730003	1.6	5
42	Polymerization induced viscoelastic phase separation of porous phenolic resin from solution. *Polymer International*, **2016**, 65, 1031-1038	3.3	5
41	Direct Relationship between Dispersion and Crystallization Behavior in Poly(ethylene oxide)/Poly(ethylene glycol)-g-Silica Nanocomposites. *Macromolecules*, **2021**, 54, 1870-1880	5.5	5
40	Arbitrarily Reconfigurable and Thermadapt Reversible Two-Way Shape Memory Poly(thiourethane) Accomplished by Multiple Dynamic Covalent Bonds. *ACS Applied Materials & Interfaces*, **2021**, 13, 43426-43437	9.5	5
39	Effect of nanoparticle and glass fiber on the hydrothermal aging of polyamide 6. *Journal of Applied Polymer Science*, **2020**, 137, 49585	2.9	4
38	Effect of the melting temperature on the crystallization behavior of a poly(l-lactide)/poly(d-lactide) equimolar mixture. *Journal of Applied Polymer Science*, **2016**, 133, n/a-n/a	2.9	4

37	Generating Triple Crystalline Superstructures in Melt Miscible PEO-b-PCL-b-PLLA Triblock Terpolymers by Controlling Thermal History and Sequential Crystallization. *Macromolecular Chemistry and Physics*, **2019**, 220, 1900292	2.6	4
36	Study on the thermal behaviors and the morphology in PVP and nylon 6 blends. *Journal of Applied Polymer Science*, **2012**, 123, 375-381	2.9	4
35	Formation of calcite with stepped (104) face under control of poly (ethylene glycol)-b-poly (L-leucine) at the air□olution interface. *CrystEngComm*, **2013**, 15, 3417	3.3	4
34	Stress induced reversible crystal transition in polymers. *Polymer International*, **2015**, 64, 951-956	3.3	4
33	Performance characteristics of subdenier monofilament polypropylene fiber reinforced mortars. *Journal of Applied Polymer Science*, **2004**, 94, 2251-2256	2.9	4
32	Crystallization of poly(hexamethylene carbonate)-co-poly(hexamethylene urethane) segmental block copolymers: From single to double crystalline phases. *Polymer*, **2021**, 222, 123675	3.9	4
31	Reversible□reversible Transition of Strain-Induced Crystallization in Segmented Copolymers: The Critical Strain and Chain Conformation. *ACS Applied Polymer Materials*, **2021**, 3, 3576-3585	4.3	4
30	Correlation between chain microstructure and mechanical properties of two polypropylene/poly (ethylene-co-propylene) in-reactor alloys. *Colloid and Polymer Science*, **2015**, 293, 1011-1021	2.4	3
29	Structural Transitions in Solution-Cast Films of a New AABB Type Thiophene Copolymer. *Macromolecules*, **2016**, 49, 8653-8660	5.5	3
28	Shape memory property and underlying mechanism by the phase separation control of poly(?-caprolactone)/poly(ether-b-amide). *Polymer International*, **2018**, 67, 1291-1301	3.3	3
27	Characterization on the phase separation behavior of styrene-butadiene rubber/polyisoprene/organoclay ternary blends under oscillatory shear. *Journal of Chemical Physics*, **2015**, 143, 114903	3.9	3
26	Effect of Silane Coupling Agent on Physical Properties of Polypropylene Membrane Reinforced by Native Superfine down Powder. *Polymers and Polymer Composites*, **2014**, 22, 509-518	0.8	3
25	The dynamic crystallization and multiple melting behavior of polypropylene in the in-reactor alloy: A differential scanning calorimetry study. *Journal of Applied Polymer Science*, **2011**, 121, 1372-1383	2.9	3
24	Three-dimensional observation of the phase structure of high density polyethylene (HDPE)/poly(ethylene-co-butene) (PEB) blend by laser scanning confocal microscopy. *Science Bulletin*, **2007**, 52, 2042-2047		3
23	Industrial Adaptability of the Ziegler□Natta Catalyst-Friendly Synthesis of Long-Chain-Branched Polypropylene Based on □Alkenylmethyldichlorosilane-Assisted Propylene Polymerization. *Industrial & Engineering Chemistry Research*, **2021**, 60, 4589-4601	3.9	3
22	The formation of the S-shaped edge-on lamellae on the thin porous polylactic acid membrane via phase separation induced by water microdroplets. *Journal of Applied Polymer Science*, **2016**, 133, n/a-n/a	2.9	3
21	Microphase separation/crosslinking competition-based ternary microstructure evolution of poly(ether--amide).. *RSC Advances*, **2021**, 11, 6934-6942	3.7	3
20	Influence of soft block and film thickness on confined morphology of poly(ether-mb-amide) multiblock copolymers. *Polymer Crystallization*, **2020**, 3, e10100	0.9	2

19	Interfacial effects on crystallization behavior of polymer nanocomposites with polymer-grafted nanoparticles. *Polymer Crystallization*, **2019**, 2, e10066	0.9	2
18	Unusual Interfacial Freezing Phenomena in Hexacontane/Silica Composites. *Journal of Physical Chemistry B*, **2017**, 121, 6659-6666	3.4	2
17	The Brill Transition in Long-Chain Aliphatic Polyamide 1012: The Role of Hydrogen-Bonding Organization. *Macromolecules*, **2021**, 54, 6835-6844	5.5	2
16	To Clarify the Resilience of PEBA/MWCNT Foams via Revealing the Effect of the Nanoparticle and the Cellular Structure. *ACS Applied Polymer Materials*, **2021**, 3, 3766-3775	4.3	2
15	Stretchable Self-healing Plastic Polyurethane with Super-high Modulus by Local Phase-lock Strategy. *Macromolecular Rapid Communications*,2200299	4.8	2
14	Synergistic enhancement of crystallization and mechanical performance of polypropylene random copolymer by strong shear and β-nucleating agent. *Polymer International*, **2017**, 66, 1141-1150	3.3	1
13	Investigation on the melt spinning fibers of PP/organoclay nanocomposites prepared by in-situ polymerization. *Journal of Applied Polymer Science*, **2009**, 116, NA-NA	2.9	1
12	In situ compatibilization of polypropylene/polystyrene blend by controlled degradation and reactive extrusion. *Journal of Applied Polymer Science*, **2008**, 111, NA-NA	2.9	1
11	Strain-Induced Form Transition and Crystallization Behavior of the Transparent Polyamide. *Polymers*, **2021**, 13,	4.5	1
10	Probing the difference of crystalline modifications and structural disorder of isotactic polypropylene via high-resolution FTIR spectroscopy. *Polymer*, **2021**, 224, 123722	3.9	1
9	Morphology and electric conductivity controlling of in situ polymerized poly(decamethylene dodecanoamide)/polyaniline composites. *Journal of Applied Polymer Science*, **2019**, 136, 47041	2.9	1
8	New insight into the thermal-oxidative stability of polyamide 6: A comparison investigation on the effect of hindered amine and CuI/KI. *Polymer Engineering and Science*, **2021**, 61, 348-361	2.3	1
7	Solid–Solid Crystal Transitions (□to β) in Poly(hexamethylene carbonate) and Poly(octamethylene carbonate). *Macromolecules*, **2021**, 54, 7258-7268	5.5	1
6	Competition between Chain Extension and Crosslinking in Polyamide 1012 during High-Temperature Thermal Treatments as Revealed by Successive Self-Nucleation and Annealing Fractionation. *Macromolecules*, **2021**, 54, 7552-7563	5.5	1
5	Crystallization of a Self-Assembling Nucleator in Poly(l-lactide) Melt. *Crystal Growth and Design*, **2021**, 21, 5880-5888	3.5	1
4	Crystallization kinetics and nanoparticle ordering in semicrystalline polymer nanocomposites. *Progress in Polymer Science*, **2022**, 128, 101527	29.6	1
3	Using Successive Self-Nucleation and Annealing to Detect the Solid–Solid Transitions in Poly(hexamethylene carbonate) and Poly(octamethylene carbonate). *Macromolecules*, **2021**, 54, 9670-9680	5.5	0
2	Exploring the polymorphic behavior of a β-nucleated propylene-ethylene random copolymer under shear flow. *Polymer Crystallization*, **2020**, 3, e10105	0.9	

1	Peculiar self-nucleation behavior of a polybutene-1/ethylene random copolymer. *Polymer Crystallization*, **2021**, 4, e10201	0.9