

Zhi-Qiang Fan

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218
papers

4,159
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35
h-index

50
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224
ext. papers

4,520
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
218	Micellar Morphologies of Poly(ϵ -caprolactone)-b-poly(ethylene oxide) Block Copolymers in Water with a Crystalline Core. <i>Macromolecules</i> , 2007 , 40, 7633-7637	5.5	208
217	Structure and properties of polypropylene/poly(ethylene-co-propylene) in-situ blends synthesized by spherical Ziegler-Natta catalyst. <i>Polymer</i> , 2001 , 42, 5559-5566	3.9	152
216	Two Growth Modes of Semicrystalline Cylindrical Poly(ϵ -caprolactone)-b-poly(ethylene oxide) Micelles. <i>Macromolecules</i> , 2012 , 45, 9768-9778	5.5	103
215	Regulation of Micellar Morphology of PCL-b-PEO Block Copolymers by Crystallization Temperature. <i>Macromolecular Rapid Communications</i> , 2008 , 29, 467-471	4.8	93
214	Sonochemical Transformation of Epoxy-Amine Thermoset into Soluble and Reusable Polymers. <i>Macromolecules</i> , 2015 , 48, 316-322	5.5	92
213	Toward a Unified Model Explaining Heterogeneous Ziegler-Natta Catalysis. <i>ACS Catalysis</i> , 2015 , 5, 5431-5435	4.3	76
212	Inorganic-Salt-Induced Morphological Transformation of Semicrystalline Micelles of PCL-b-PEO Block Copolymer in Aqueous Solution. <i>Macromolecular Chemistry and Physics</i> , 2010 , 211, 1909-1916	2.6	67
211	Regioselective and Alternating Copolymerization of Carbonyl Sulfide with Racemic Propylene Oxide. <i>Macromolecules</i> , 2013 , 46, 5899-5904	5.5	62
210	Hydrogen-Bonding-Mediated Fragmentation and Reversible Self-assembly of Crystalline Micelles of Block Copolymer. <i>Macromolecules</i> , 2016 , 49, 367-372	5.5	61
209	Alternating copolymerization of carbon dioxide and cyclohexene oxide catalyzed by silicon dioxide/Zn ²⁺ /Co ^{III} double metal cyanide complex hybrid catalysts with a nanolamellar structure. <i>Journal of Polymer Science Part A</i> , 2008 , 46, 3128-3139	2.5	59
208	Mechanism of Propylene Polymerization with MgCl ₂ -Supported Ziegler-Natta Catalysts Based on Counting of Active Centers: The Role of External Electron Donor. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 15174-15182	3.8	56
207	Efficient Activators for an Iron Catalyst in the Polymerization of Ethylene. <i>Macromolecular Rapid Communications</i> , 2002 , 23, 639	4.8	53
206	Stabilization of water-in-octane nano-emulsion. Part I: Stabilized by mixed surfactant systems. <i>Fuel</i> , 2010 , 89, 2838-2843	7.1	52
205	Synthesis of Multiblock Polymer Containing Narrow Polydispersity Blocks. <i>Macromolecular Rapid Communications</i> , 2006 , 27, 57-62	4.8	52
204	Crystallization-Driven Co-Assembly of Micrometric Polymer Hybrid Single Crystals and Nanometric Crystalline Micelles. <i>Macromolecules</i> , 2017 , 50, 2006-2015	5.5	51
203	Regulation of Crystallization Kinetics, Morphology, and Mechanical Properties of Olefinic Blocky Copolymers. <i>Macromolecules</i> , 2014 , 47, 333-346	5.5	51
202	Styrene Polymerization in the Presence of Cyclic Trithiocarbonate. <i>Macromolecules</i> , 2005 , 38, 2691-2695	5.5	51

201	Structure and morphology of polypropylene/poly(ethylene-co-propylene) in situ blends synthesized by spherical Ziegler-Natta catalyst. <i>European Polymer Journal</i> , 2003 , 39, 795-804	5.2	50
200	Counting the number of active centers in MgCl ₂ -supported Ziegler-Natta catalysts by quenching with 2-thiophenecarbonyl chloride and study on the initial kinetics of propylene polymerization. <i>Catalysis Communications</i> , 2013 , 30, 66-69	3.2	49
199	Crystallization-driven one-dimensional self-assembly of polyethylene-b-poly(tert-butylacrylate) diblock copolymers in DMF: effects of crystallization temperature and the corona-forming block. <i>Soft Matter</i> , 2016 , 12, 67-76	3.6	47
198	Synthesis and application of binuclear diimine nickel/palladium catalysts with a conjugated backbone. <i>Dalton Transactions</i> , 2014 , 43, 2900-6	4.3	47
197	Poly[N-isopropylacrylamide-co-3-(trimethoxysilyl)-propylmethacrylate] Coated Aqueous Dispersed Thermosensitive Fe ₃ O ₄ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 10090-10096	3.8	47
196	Well-defined high refractive index poly(monothiocarbonate) with tunable Abbe's numbers and glass-transition temperatures via terpolymerization. <i>Polymer Chemistry</i> , 2015 , 6, 4978-4983	4.9	45
195	Mechanistic insight into initiation and chain transfer reaction of CO ₂ /cyclohexene oxide copolymerization catalyzed by zinc-cobalt double metal cyanide complex catalysts. <i>Journal of Polymer Science Part A</i> , 2012 , 50, 2924-2934	2.5	45
194	Distribution of active centers on TiCl ₄ /MgCl ₂ catalyst for olefin polymerization. <i>Journal of Polymer Science Part A</i> , 1996 , 34, 3329-3335	2.5	43
193	Effect of pH on the Micellar Morphology of Semicrystalline PCL-b-PEO Block Copolymers in Aqueous Solution. <i>Macromolecular Chemistry and Physics</i> , 2012 , 213, 952-964	2.6	42
192	Chain structure and mechanical properties of polyethylene/polypropylene/poly(ethylene-co-propylene)in-reactor alloys synthesized with a spherical Ziegler-Natta catalyst by gas-phase polymerization. <i>Journal of Applied Polymer Science</i> , 2005 , 97, 640-647	2.9	42
191	Crystallization and coalescence of block copolymer micelles in semicrystalline block copolymer/amorphous homopolymer blends. <i>Polymer</i> , 2005 , 46, 1709-1716	3.9	40
190	¹³ C NMR Studies of Ethylene-Propylene Copolymers Prepared with Homogeneous Metallocene-Based Ziegler-Natta Catalysts. <i>Macromolecules</i> , 1995 , 28, 3342-3350	5.5	40
189	Use of different alkoxysilanes as external donors in MgCl ₂ -supported Ziegler-Natta catalysts to obtain propene/1-butene copolymers with different microstructure. <i>Macromolecular Chemistry and Physics</i> , 1994 , 195, 2805-2816	2.6	40
188	Highly efficient one-pot/one-step synthesis of multiblock copolymers from three-component polymerization of carbon dioxide, epoxide and lactone. <i>Chemical Science</i> , 2015 , 6, 1530-1536	9.4	38
187	Salt-induced microphase separation in poly(ε-caprolactone)-b-poly(ethylene oxide) block copolymer. <i>Polymer</i> , 2013 , 54, 3098-3106	3.9	38
186	Effects of ethylene as comonomer on the active center distribution of 1-hexene polymerization with MgCl ₂ -supported Ziegler-Natta catalysts. <i>Journal of Molecular Catalysis A</i> , 2011 , 351, 93-99		37
185	Ethylene/1-hexene copolymerization with TiCl ₄ /MgCl ₂ /AlCl ₃ catalyst in the presence of hydrogen. <i>European Polymer Journal</i> , 2006 , 42, 2441-2449	5.2	37
184	Copolymerization of propylene with 1-octene catalyzed by rac-Me ₂ Si(2,4,6-Me ₃ -Ind) ₂ ZrCl ₂ /methyl aluminoxane. <i>Journal of Polymer Science Part A</i> , 2000 , 38, 4299-4307	2.5	36

- 183 Synthesis and characterization of poly(ϵ -caprolactone)-b-poly(ethylene glycol) block copolymers prepared by a salicylaldehyde-aluminum complex. *Journal of Applied Polymer Science*, **2007**, 105, 771-776²⁻⁹ 35
- 182 Isothermal crystallization kinetics of multi-walled carbon nanotubes-graft-poly(ϵ -caprolactone) with high grafting degrees. *CrystEngComm*, **2013**, 15, 7824 3-3 33
- 181 Synthesis of fully alternating polycarbonate with low Tg from carbon dioxide and bio-based fatty acid. *RSC Advances*, **2014**, 4, 36183-36188 3-7 31
- 180 Observation of Regime III Crystallization in Polyethylene/Montmorillonite Nanocomposites. *Macromolecular Rapid Communications*, **2005**, 26, 620-625 4-8 31
- 179 Synthesis of bis(cyclic carbonate) and propylene carbonate via a one-pot coupling reaction of CO₂, bisepoxide and propylene oxide. *RSC Advances*, **2013**, 3, 17307 3-7 30
- 178 Periodic Switching of Monomer Additions for Controlling the Compositions and Microstructures of Segmented and Random Ethylene-Propylene Copolymers in Polypropylene in-Reactor Alloys. *Industrial & Engineering Chemistry Research*, **2011**, 50, 5992-5999 3-9 30
- 177 Effect of local chain deformability on the temperature-induced morphological transitions of polystyrene-b-poly(N-isopropylacrylamide) micelles in aqueous solution. *Soft Matter*, **2014**, 10, 5201-11 3-6 29
- 176 Molecular weight distribution of polyethylene catalyzed by Ziegler-Natta catalyst supported on MgCl₂ doped with AlCl₃. *Journal of Applied Polymer Science*, **2006**, 102, 1768-1772 2-9 29
- 175 Effects of comonomer on active center distribution of TiCl₄/MgCl₂-AlEt₃ catalyst in ethylene/1-hexene copolymerization. *Journal of Organometallic Chemistry*, **2015**, 798, 328-334 2-3 27
- 174 Effect of internal electron donor on the active center distribution in MgCl₂-supported Ziegler-Natta catalyst. *Catalysis Communications*, **2015**, 69, 147-149 3-2 27
- 173 Specific Disassembly of Lamellar Crystalline Micelles of Block Copolymer into Cylinders. *Macromolecules*, **2018**, 51, 2138-2144 5-5 27
- 172 Chain Microstructure, Crystallization, and Morphology of Olefinic Blocky Copolymers. *Macromolecular Chemistry and Physics*, **2013**, 214, 605-616 2-6 27
- 171 Synthesis and Crystallization Behavior of Equisquential ADMET Polyethylene Containing Arylene Ether Defects: Remarkable Effects of Substitution Position and Arylene Size. *Macromolecules*, **2016**, 49, 6001-6011 5-5 27
- 170 Influence of different inorganic salts on crystallization-driven morphological transformation of PCL-b-PEO micelles in aqueous solutions. *Chinese Journal of Polymer Science (English Edition)*, **2014**, 32, 1128-1138 3-5 25
- 169 Influences of copolymerization conditions on the structure and properties of isotactic polypropylene/ethylene-propylene random copolymer in situ blends. *Journal of Applied Polymer Science*, **2002**, 84, 445-453 2-9 25
- 168 Substituent effect of bisindenyl zirconene catalyst on ethylene/1-hexene copolymerization and propylene polymerization. *European Polymer Journal*, **2005**, 41, 83-89 5-2 25
- 167 Kinetics and mechanism of ethylene polymerization with TiCl₄/MgCl₂ model catalysts: Effects of titanium content. *Journal of Catalysis*, **2018**, 360, 57-65 7-3 24
- 166 Effects of Switching Frequency of a Periodic Switching Polymerization Process on the Microstructures of Ethylene-Propylene Copolymers in Polypropylene/Poly(ethylene-co-propylene) in-Reactor Alloys. *Industrial & Engineering Chemistry Research*, **2012**, 51, 2257-2270 3-9 24

165	Chain structure of polyethylene/polypropylene in-reactor alloy synthesized in gas phase with spherical Ziegler-Natta catalyst. <i>Polymer International</i> , 2004 , 53, 1169-1175	3.3	24
164	Influence of Ionic Species on the Microphase Separation Behavior of PCL-b-PEO/Salt Hybrids. <i>Macromolecules</i> , 2014 , 47, 8359-8367	5.5	23
163	Effect of molecular weight on spherulitic growth rate of poly(ϵ -caprolactone) and poly(ϵ -caprolactone)-b-poly(ethylene glycol). <i>Journal of Applied Polymer Science</i> , 2007 , 104, 2986-2991	2.9	23
162	Kinetics and mechanism of metallocene-catalyzed olefin polymerization: Comparison of ethylene, propylene homopolymerizations, and their copolymerization. <i>Journal of Polymer Science Part A</i> , 2017 , 55, 867-875	2.5	22
161	Probing the roles of diethylaluminum chloride in propylene polymerization with MgCl ₂ -supported ziegler-natta catalysts. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2013 , 31, 583-590	3.5	22
160	Fractionation and characterization of an ethylene/propylene copolymer produced with a MgCl ₂ /SiO ₂ /TiCl ₄ /diester-type ziegler-natta catalyst. <i>Journal of Applied Polymer Science</i> , 2008 , 107, 1301-1309	2.9	22
159	Functional poly(carbonate-co-ether) synthesis from glycidyl methacrylate/CO ₂ copolymerization catalyzed by ZnCo(III) double metal cyanide complex catalyst. <i>RSC Advances</i> , 2014 , 4, 3188-3194	3.7	21
158	Regulation of the self-assembly morphology of azobenzene-bearing double hydrophobic block copolymers in aqueous solution by shifting the dynamic host-guest complexation. <i>Polymer Chemistry</i> , 2015 , 6, 2214-2225	4.9	21
157	Effect of the Combined External Electron Donors on the Structure and Properties of Polypropylene/Poly(ethylene-co-propylene) In-Reactor Alloys Prepared by High-Efficiency Industrial Ziegler-Natta Catalyst. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 5887-5894	3.9	21
156	DEPENDENCE OF THE DISTRIBUTION OF ACTIVE CENTERS ON MONOMER IN SUPPORTED ZIEGLER-NATTA CATALYSTS. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2008 , 26, 605	3.5	21
155	Ethylene/1-hexene copolymerization with MgCl ₂ -supported Ziegler-Natta catalysts containing aryloxy ligands. Part I: Catalysts prepared by immobilizing TiCl ₃ (OAr) onto MgCl ₂ in batch reaction. <i>Journal of Molecular Catalysis A</i> , 2012 , 355, 161-167		20
154	Copolymerization of propylene with various higher α -olefins using silica-supported rac-Me ₂ Si(Ind) ₂ ZrCl ₂ . <i>Journal of Polymer Science Part A</i> , 2001 , 39, 3294-3303	2.5	20
153	Mechanistic study on comonomer effect in ethylene/1-hexene copolymerization with TiCl ₄ /MgCl ₂ model Ziegler-Natta catalysts. <i>Journal of Catalysis</i> , 2019 , 369, 324-334	7.3	20
152	A Generalized Avrami Equation for Crystallization Kinetics of Polymers with Concomitant Double Crystallization Processes. <i>Crystal Growth and Design</i> , 2017 , 17, 5908-5917	3.5	19
151	Design and Regulation of Lower Disorder-to-Order Transition Behavior in the Strongly Interacting Block Copolymers. <i>Macromolecules</i> , 2018 , 51, 2302-2311	5.5	19
150	Straightening Single-Walled Carbon Nanotubes by Adsorbed Rigid Poly(3-hexylthiophene) Chains via π -Interaction. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 27665-27674	3.8	19
149	Phase behavior of LiClO ₄ -doped poly(ϵ -caprolactone)-b-poly(ethylene oxide) hybrids in the presence of competitive interactions. <i>Polymer</i> , 2014 , 55, 1070-1077	3.9	19
148	Influence of mixed aluminoxane systems on ethylenenorbornene copolymerization catalyzed by metallocene. <i>Macromolecular Rapid Communications</i> , 1997 , 18, 1101-1107	4.8	19

- 147 Effect of alkylaluminum on the regio- and stereoselectivity in copolymerization of isoprene and butadiene using TiCl₄/MgCl₂ type Ziegler-Natta catalyst. *Molecular Catalysis*, **2019**, 471, 1-8 3.3 18
- 146 1-Hexene polymerization with supported Ziegler-Natta catalyst: Correlation between catalyst particle fragmentation and active center distribution. *Molecular Catalysis*, **2018**, 447, 13-20 3.3 17
- 145 Improving microisotacticity of Ziegler-Natta catalyzed polypropylene by using triethylaluminum/triisobutylaluminum mixtures as cocatalyst. *Polymer*, **2014**, 55, 4865-4872 3.9 17
- 144 Effects of alkylaluminum as cocatalyst on the active center distribution of 1-hexene polymerization with MgCl₂-supported Ziegler-Natta catalysts. *Catalysis Communications*, **2015**, 62, 104-106 3.2 17
- 143 Effect of ethoxy- and methoxysilane donors in propene/1-hexene copolymerization with high-yield supported Ziegler-Natta catalysts. *Macromolecular Chemistry and Physics*, **1994**, 195, 3889-3899 2.6 17
- 142 Influence of trimethylaluminum on kinetics of rac-Et(Ind)₂ZrCl₂/aluminoxane catalyzed ethylene polymerization. *Journal of Organometallic Chemistry*, **2016**, 808, 109-116 2.3 17
- 141 Enhancing stereoselectivity of propylene polymerization with MgCl₂-supported Ziegler-Natta catalysts by electron donor: Strong effects of titanium dispersion state. *Catalysis Communications*, **2019**, 121, 38-42 3.2 17
- 140 Kinetics of short-duration ethylene/propylene copolymerization with MgCl₂-supported Ziegler-Natta catalyst: Differentiation of active centers on the external and internal surfaces of the catalyst particles. *Journal of Applied Polymer Science*, **2018**, 135, 46030 2.9 17
- 139 Comparison of chain structure and morphology of an olefinic blocky copolymer and a Ziegler-Natta-based ethylene random copolymer. *Polymer International*, **2013**, 62, 228-237 3.3 16
- 138 Synthesis of functional polyolefins via ring-opening metathesis polymerization of ester-functionalized cyclopentene and its copolymerization with cyclic comonomers. *Polymer Chemistry*, **2017**, 8, 5924-5933 4.9 16
- 137 Synthesis and properties of organic-inorganic hybrid P(NIPAM-co-AM-co-TMSPMA) microgels. *Chinese Journal of Polymer Science (English Edition)*, **2011**, 29, 439-449 3.5 16
- 136 Strong influences of cocatalyst on ethylene/propylene copolymerization with a MgCl₂/SiO₂/TiCl₄/diester type Ziegler-Natta catalyst. *European Polymer Journal*, **2007**, 43, 3442-3451 5.2 16
- 135 Synthesis and characterization of PBMA-b-PDMS-b-PBMA copolymers by atom transfer radical polymerization. *Journal of Applied Polymer Science*, **2004**, 92, 532-538 2.9 16
- 134 Effect of alkylaluminum on ethylene polymerization catalyzed by 2,6-bis(imino)pyridyl complexes of Fe(II). *Journal of Polymer Science Part A*, **2005**, 43, 1599-1606 2.5 16
- 133 Kinetics of short-duration ethylene polymerization with MgCl₂-supported Ziegler-Natta catalyst: Two-stage initiation evidenced by changes in active center concentration. *Journal of Applied Polymer Science*, **2017**, 134, 45187 2.9 15
- 132 Regulated Fragmentation of Crystalline Micelles of Block Copolymer via Monoamine-Induced Corona Swelling. *Macromolecules*, **2018**, 51, 7637-7648 5.5 15
- 131 Mechanism of internal and external electron donor effects on propylene polymerization with MgCl₂-supported Ziegler-Natta catalyst: New evidences based on active center counting. *Journal of Applied Polymer Science*, **2018**, 135, 46605 2.9 15
- 130 Insight into the Mechanism of Thermal Stability of η^5 -Diimine Nickel Complex in Catalyzing Ethylene Polymerization. *Organometallics*, **2017**, 36, 1196-1203 3.8 14

129	Hierarchical structures of olefinic blocky copolymer/montmorillonite nanocomposites with collapsed and intercalated clay layers. <i>RSC Advances</i> , 2014 , 4, 15678-15688	3.7	14
128	Thermal fractionation and effect of comonomer distribution on the crystal structure of ethylene-propylene copolymers. <i>Polymer</i> , 2009 , 50, 2510-2515	3.9	14
127	ESR study on SiO ₂ -supported half-titanocene catalyst for syndiospecific polymerization of styrene. <i>Macromolecular Rapid Communications</i> , 1997 , 18, 875-882	4.8	14
126	Study of amphiphilic poly(1-dodecene-co-para-methylstyrene)-graft-poly(ethylene glycol): Part I. Preparation of poly(1-dodecene-co-para-methylstyrene) copolymer and its molecular weight regulation. <i>European Polymer Journal</i> , 2008 , 44, 3239-3245	5.2	14
125	Study of crystallization and melting behavior of polypropylene-block-polyethylenes copolymers fractionated from polypropylene and polyethylene mixtures. <i>Polymer International</i> , 2004 , 53, 1314-1320	3.3	14
124	Ethylene polymerization and ethylene/1-hexene copolymerization using homogeneous and heterogeneous unbridged bisindenyl zirconocene catalysts. <i>European Polymer Journal</i> , 2005 , 41, 2380-2387	5.2	14
123	Polymer-supported half-titanocene catalysts for the syndiospecific polymerization of styrene. <i>Journal of Polymer Science Part A</i> , 2000 , 38, 127-135	2.5	14
122	Fixation of carbon dioxide concurrently or in tandem with free radical polymerization for highly transparent polyacrylates with specific UV absorption. <i>Polymer Chemistry</i> , 2016 , 7, 3731-3739	4.9	14
121	Functional polyethylene with regularly distributed ester pendants via ring-opening metathesis polymerization of ester functionalized cyclopentene: Synthesis and characterization. <i>Polymer</i> , 2017 , 129, 135-143	3.9	13
120	Efficient solvent-free alternating copolymerization of CO ₂ with 1, 2-epoxydodecane and terpolymerization with styrene oxide via heterogeneous catalysis. <i>Journal of Polymer Science Part A</i> , 2015 , 53, 737-744	2.5	13
119	Hierarchical self-assembly, photo-responsive phase behavior and variable tensile property of azobenzene-containing ABA triblock copolymers. <i>RSC Advances</i> , 2015 , 5, 4030-4040	3.7	13
118	Synthesis of Polypropylene/poly(ethylene-co-propylene) In-Reactor Alloys by Periodic Switching Polymerization Process: Dynamic Change of Gas-Phase Monomer Composition and Its Influences on Polymer Structure and Properties. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 9775-9782	3.9	13
117	Polymerisation of Norbornene Catalysed by Highly Active Tetradentate Chelated Diimine Nickel Complexes. <i>Macromolecular Chemistry and Physics</i> , 2011 , 212, 367-374	2.6	13
116	A new method of active center determination for olefin polymerization with supported Ziegler-Natta catalysts. <i>Macromolecular Research</i> , 2010 , 18, 695-700	1.9	13
115	Construction of Glycosylated Surfaces for Poly(propylene) Beads with a Photoinduced Grafting/Chemical Reaction Sequence. <i>Macromolecular Rapid Communications</i> , 2007 , 28, 2325-2331	4.8	13
114	Study of amphiphilic poly(1-dodecene-co-para-methylstyrene)-graft-poly(ethylene glycol). Part II: Preparation and micellization behavior of the amphiphilic copolymers. <i>European Polymer Journal</i> , 2008 , 44, 4122-4128	5.2	13
113	Microphase separation and crystallization behaviors of bi-phased triblock terpolymers with a competitively dissolved middle block. <i>Polymer</i> , 2017 , 117, 140-149	3.9	12
112	Comparative Study on Kinetics of Ethylene and Propylene Polymerizations with Supported Ziegler-Natta Catalyst: Catalyst Fragmentation Promoted by Polymer Crystalline Lamellae. <i>Polymers</i> , 2019 , 11,	4.5	12

111	Chain structure, aggregation state structure, and tensile behavior of segmented ethylene-propylene copolymers produced by an oscillating unbridged metallocene catalyst. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 6050-61	3.4	12
110	Precision ADMET polyolefins containing dithiane: Synthesis, thermal properties, and macromolecular transformation. <i>Journal of Polymer Science Part A</i> , 2016 , 54, 2468-2475	2.5	12
109	Closed-Loop Phase Behavior of Block Copolymers in the Presence of Competitive Hydrogen-Bonding and Coulombic Interaction. <i>Macromolecules</i> , 2018 , 51, 4727-4734	5.5	12
108	Synthesis and characterization of Pst-b-PDMS-b-PSt copolymers by atom transfer radical polymerization. <i>Journal of Applied Polymer Science</i> , 2004 , 92, 3764-3770	2.9	12
107	Polyethylene containing aliphatic ring and aromatic ring defects in the main chain: Synthesis via ADMET and comparisons of thermal properties and crystalline structure. <i>Polymer</i> , 2016 , 107, 113-121	3.9	12
106	Effect of phase separation on overall isothermal crystallization kinetics of PP/EPR in-reactor alloys. <i>Journal of Applied Polymer Science</i> , 2013 , 127, 1346-1358	2.9	11
105	Synthesis of Polypropylene/Poly(ethylene-co-propylene) In-Reactor Alloys by Periodic Switching Polymerization Process Effects of Gas Phase Polymerization Time on Polymer Properties. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 13556-13563	3.9	11
104	Crystallization and morphology of cholesterol end-capped poly(ethylene glycol). <i>Journal of Applied Polymer Science</i> , 2007 , 103, 2464-2471	2.9	11
103	Composition distributions of different particles of a polypropylene/poly(ethylene-co-propylene) in situ alloy analyzed by temperature-rising elution fractionation. <i>Journal of Applied Polymer Science</i> , 2005 , 98, 243-246	2.9	11
102	Ethylene-propylene copolymerization and their terpolymerization with dienes using ansa-Zirconocene catalysts activated by borate/alkylaluminum. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2020 , 57, 156-164	2.2	11
101	Synthesis and characterization of functional polyethylene with regularly distributed thioester pendants via ring-opening metathesis polymerization. <i>Journal of Polymer Science Part A</i> , 2017 , 55, 4027-4036	2.5	10
100	Study on 2-thiophenecarbonyl chloride-quenched olefin polymerization with diimine nickel catalysts. <i>Iranian Polymer Journal (English Edition)</i> , 2018 , 27, 153-159	2.3	10
99	Interfacial self-assembly of amphiphilic conjugated block copolymer into 2D nanotapes. <i>Soft Matter</i> , 2019 , 15, 8790-8799	3.6	10
98	Cleavage of polystyrene-b-poly(ethylene oxide) block copolymers with a trithiocarbonate linkage in solutions. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 3834-3840	2.5	10
97	Control of the molecular weight distribution and tacticity in 1-hexylene polymerization catalyzed by TiCl ₄ /MgCl ₂ -NaCl/TEA catalysis system. <i>Journal of Molecular Catalysis A</i> , 2007 , 275, 72-76		10
96	Influence of copolymerization conditions on the structure and properties of polyethylene/polypropylene/poly(ethylene-co-propylene) in-reactor alloys synthesized in gas-phase with spherical ziegler-natta catalyst. <i>Journal of Applied Polymer Science</i> , 2006 , 102, 2481-2487	2.9	10
95	Isothermal crystallization of metallocene-based polypropylenes with different isotacticity and regioregularity. <i>Journal of Applied Polymer Science</i> , 2003 , 90, 3215-3221	2.9	10
94	Synthesis and characterization of low-molecular-weight hydrogenated polybutadiene-b-poly(ethylene glycol) block copolymers. <i>Journal of Applied Polymer Science</i> , 2005 , 98, 208-215	2.9	10

93	Studies on atom transfer radical emulsion polymerization of n-butyl methacrylate. <i>Polymer Engineering and Science</i> , 2005 , 45, 297-302	2.3	10
92	Hydrogen-bonding induced abnormal microphase separation behavior of poly(ethylene oxide)-b-poly(tert-butyl acrylate-co-acrylic acid) block copolymers. <i>Polymer</i> , 2016 , 99, 332-339	3.9	10
91	Kinetic and Thermal Study of Ethylene and Propylene Homo Polymerization Catalyzed by -Zirconocene Activated with Alkylaluminum/Borate: Effects of Alkylaluminum on Polymerization Kinetics and Polymer Structure. <i>Polymers</i> , 2021 , 13,	4.5	10
90	Kinetics and mechanism of ethylene and propylene polymerizations catalyzed with ansa-zirconocene activated by borate/TIBA. <i>Journal of Organometallic Chemistry</i> , 2020 , 922, 121366	2.3	9
89	A highly efficient β nucleating agent for impact-resistant polypropylene copolymer. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	9
88	Copolymerization of ethylene and 1-hexene with $\text{TiCl}_4/\text{MgCl}_2$ catalysts modified by 2,6-diisopropylphenol. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2013 , 31, 110-121	3.5	9
87	Synthesis of block copolymers from PDMS macroinitiators. <i>Polymer International</i> , 2004 , 53, 833-837	3.3	9
86	Effect of the structure on the morphology and spherulitic growth kinetics of polyolefin in-reactor alloys. <i>Journal of Applied Polymer Science</i> , 2005 , 98, 632-638	2.9	9
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