

Zhi-Qiang Fan

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Micellar Morphologies of Poly(μ -caprolactone)- <i>b</i> -poly(ethylene oxide) Block Copolymers in Water with a Crystalline Core. <i>Macromolecules</i> , 2007, 40, 7633-7637.	2.2	222
2	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.	1.8	168
3	Sonochemical Transformation of Epoxy–Amine Thermoset into Soluble and Reusable Polymers. <i>Macromolecules</i> , 2015, 48, 316-322.	2.2	113
4	Two Growth Modes of Semicrystalline Cylindrical Poly(μ -caprolactone)- <i>b</i> -poly(ethylene oxide) Micelles. <i>Macromolecules</i> , 2012, 45, 9768-9778.	2.2	111
5	Regulation of Micellar Morphology of PCL–PEO Block Copolymers by Crystallization Temperature. <i>Macromolecular Rapid Communications</i> , 2008, 29, 467-471.	2.0	98
6	Toward a Unified Model Explaining Heterogeneous Ziegler–Natta Catalysis. <i>ACS Catalysis</i> , 2015, 5, 5431-5435.	5.5	96
7	Regioselective and Alternating Copolymerization of Carbonyl Sulfide with Racemic Propylene Oxide. <i>Macromolecules</i> , 2013, 46, 5899-5904.	2.2	80
8	Inorganic–Salt-Induced Morphological Transformation of Semicrystalline Micelles of PCL–PEO Block Copolymer in Aqueous Solution. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 1909-1916.	1.1	71
9	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.	1.5	69
10	Hydrogen-Bonding-Mediated Fragmentation and Reversible Self-assembly of Crystalline Micelles of Block Copolymer. <i>Macromolecules</i> , 2016, 49, 367-372.	2.2	68
11	Alternating copolymerization of carbon dioxide and cyclohexene oxide catalyzed by silicon dioxide/Zn ^{II} /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	67
12	Stabilization of water-in-octane nano-emulsion. Part I: Stabilized by mixed surfactant systems. <i>Fuel</i> , 2010, 89, 2838-2843.	3.4	65
13	Crystallization-Driven Co-Assembly of Micrometric Polymer Hybrid Single Crystals and Nanometric Crystalline Micelles. <i>Macromolecules</i> , 2017, 50, 2006-2015.	2.2	64
14	Regulation of Crystallization Kinetics, Morphology, and Mechanical Properties of Olefinic Blocky Copolymers. <i>Macromolecules</i> , 2014, 47, 333-346.	2.2	62
15	Efficient Activators for an Iron Catalyst in the Polymerization of Ethylene. <i>Macromolecular Rapid Communications</i> , 2002, 23, 639.	2.0	61
16	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.	1.6	58
17	Synthesis of Multiblock Polymer Containing Narrow Polydispersity Blocks. <i>Macromolecular Rapid Communications</i> , 2006, 27, 57-62.	2.0	57
18	Styrene Polymerization in the Presence of Cyclic Trithiocarbonate. <i>Macromolecules</i> , 2005, 38, 2691-2695.	2.2	56

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19	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.	1.9	56
20	Crystallization-driven one-dimensional self-assembly of polyethylene- <i>b</i> -poly(tert-butylacrylate) diblock copolymers in DMF: effects of crystallization temperature and the corona-forming block. <i>Soft Matter</i> , 2016, 12, 67-76.	1.2	54
21	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.	2.6	53
22	Synthesis and application of binuclear $\hat{\pm}$ -diimine nickel/palladium catalysts with a conjugated backbone. <i>Dalton Transactions</i> , 2014, 43, 2900-2906.	1.6	53
23	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	52
24	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.	3.7	51
25	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	50
26	Poly[<i>N</i> -isopropylacrylamide- <i>co</i> -3-(trimethoxysilyl)-propylmethacrylate] Coated Aqueous Dispersed Thermosensitive Fe ₃ O ₄ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2009, 113, 10090-10096.	1.5	48
27	Use of different alkoxy silanes 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.	1.1	47
28	¹³ C NMR Studies of Ethylene-Propylene Copolymers Prepared with Homogeneous Metallocene-Based Ziegler-Natta Catalysts. <i>Macromolecules</i> , 1995, 28, 3342-3350.	2.2	46
29	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.	1.3	45
30	Effect of pH on the Micellar Morphology of Semicrystalline PCL- <i>b</i> -PEO Block Copolymers in Aqueous Solution. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 952-964.	1.1	45
31	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	43
32	Kinetics and mechanism of ethylene polymerization with TiCl ₄ /MgCl ₂ model catalysts: Effects of titanium content. <i>Journal of Catalysis</i> , 2018, 360, 57-65.	3.1	43
33	Crystallization and coalescence of block copolymer micelles in semicrystalline block copolymer/amorphous homopolymer blends. <i>Polymer</i> , 2005, 46, 1709-1716.	1.8	42
34	Salt-induced microphase separation in poly($\hat{\mu}$ -caprolactone)- <i>b</i> -poly(ethylene oxide) block copolymer. <i>Polymer</i> , 2013, 54, 3098-3106.	1.8	42
35	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.	4.8	40
36	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.	2.6	39

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37	Synthesis of fully alternating polycarbonate with low T_g from carbon dioxide and bio-based fatty acid. <i>RSC Advances</i> , 2014, 4, 36183-36188.	1.7	39
38	Periodic Switching of Monomer Additions for Controlling the Compositions and Microstructures of Segmented and Random Ethylene-Propylene Copolymers in Polypropylene in-Reactor Alloys. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 5992-5999.	1.8	37
39	Isothermal crystallization kinetics of multi-walled carbon nanotubes-graft-poly(μ -caprolactone) with high grafting degrees. <i>CrystEngComm</i> , 2013, 15, 7824.	1.3	37
40	Synthesis and characterization of poly(μ -caprolactone)-b-poly(ethylene glycol) block copolymers prepared by a salicylaldehyde-aluminum complex. <i>Journal of Applied Polymer Science</i> , 2007, 105, 771-776.	1.3	36
41	Synthesis of bis(cyclic carbonate) and propylene carbonate via a one-pot coupling reaction of CO ₂ , bisepoxide and propylene oxide. <i>RSC Advances</i> , 2013, 3, 17307.	1.7	35
42	Chain Microstructure, Crystallization, and Morphology of Olefinic Blocky Copolymers. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 605-616.	1.1	34
43	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.	3.1	34
44	Effects of comonomer on active center distribution of TiCl ₄ /MgCl ₂ -AlEt ₃ catalyst in ethylene/1-hexene copolymerization. <i>Journal of Organometallic Chemistry</i> , 2015, 798, 328-334.	0.8	33
45	Observation of Regime III Crystallization in Polyethylene/Montmorillonite Nanocomposites. <i>Macromolecular Rapid Communications</i> , 2005, 26, 620-625.	2.0	32
46	Effect of internal electron donor on the active center distribution in MgCl ₂ -supported Ziegler-Natta catalyst. <i>Catalysis Communications</i> , 2015, 69, 147-149.	1.6	32
47	Molecular weight distribution of polyethylene catalyzed by Ziegler-Natta catalyst supported on MgCl ₂ doped with AlCl ₃ . <i>Journal of Applied Polymer Science</i> , 2006, 102, 1768-1772.	1.3	31
48	Specific Disassembly of Lamellar Crystalline Micelles of Block Copolymer into Cylinders. <i>Macromolecules</i> , 2018, 51, 2138-2144.	2.2	31
49	Effect of local chain deformability on the temperature-induced morphological transitions of polystyrene-b-poly(N-isopropylacrylamide) micelles in aqueous solution. <i>Soft Matter</i> , 2014, 10, 5201-5211.	1.2	30
50	Synthesis and Crystallization Behavior of Equisequential ADMET Polyethylene Containing Arylene Ether Defects: Remarkable Effects of Substitution Position and Arylene Size. <i>Macromolecules</i> , 2016, 49, 6001-6011.	2.2	30
51	A Generalized Avrami Equation for Crystallization Kinetics of Polymers with Concomitant Double Crystallization Processes. <i>Crystal Growth and Design</i> , 2017, 17, 5908-5917.	1.4	30
52	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	30
53	Influences of copolymerization conditions on the structure and properties of isotactic polypropylene/ethylene-propylene random copolymer in situ blends. <i>Journal of Applied Polymer Science</i> , 2002, 84, 445-453.	1.3	28
54	Influence of Ionic Species on the Microphase Separation Behavior of PCL- <i>b</i> -PEO/Salt Hybrids. <i>Macromolecules</i> , 2014, 47, 8359-8367.	2.2	28

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55	Substituent effect of bisindenyl zirconene catalyst on ethylene/1-hexene copolymerization and propylene polymerization. <i>European Polymer Journal</i> , 2005, 41, 83-89.	2.6	27
56	Influence of different inorganic salts on crystallization-driven morphological transformation of PCL-b-PEO micelles in aqueous solutions. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2014, 32, 1128-1138.	2.0	27
57	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.	2.0	26
58	Functional poly(carbonate-co-ether) synthesis from glycidyl methacrylate/CO ₂ copolymerization catalyzed by Zn-Co double metal cyanide complex catalyst. <i>RSC Advances</i> , 2014, 4, 3188-3194.	1.7	26
59	Kinetics of short-duration ethylene-propylene copolymerization with MgCl ₂ -supported Ziegler-Natta catalyst: Differentiation of active centers on the external and internal surfaces of the catalyst particles. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46030.	1.3	26
60	Effect of molecular weight on spherulitic growth rate of poly(μ -caprolactone) and poly(μ -caprolactone)-b-poly(ethylene glycol). <i>Journal of Applied Polymer Science</i> , 2007, 104, 2986-2991.	1.3	25
61	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. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 2257-2270.	1.8	25
62	Design and Regulation of Lower Disorder-to-Order Transition Behavior in the Strongly Interacting Block Copolymers. <i>Macromolecules</i> , 2018, 51, 2302-2311.	2.2	25
63	Effect of alkylaluminum on the regio- and stereoselectivity in copolymerization of isoprene and butadiene using TiCl ₄ /MgCl ₂ type Ziegler-Natta catalyst. <i>Molecular Catalysis</i> , 2019, 471, 1-8.	1.0	25
64	Enhancing stereoselectivity of propylene polymerization with MgCl ₂ -supported Ziegler-Natta catalysts by electron donor: Strong effects of titanium dispersion state. <i>Catalysis Communications</i> , 2019, 121, 38-42.	1.6	25
65	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.	1.6	24
66	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.	2.0	24
67	Regulated Fragmentation of Crystalline Micelles of Block Copolymer via Monoamine-Induced Corona Swelling. <i>Macromolecules</i> , 2018, 51, 7637-7648.	2.2	24
68	Influence of mixed aluminoxane systems on ethylenenorbornene copolymerization catalyzed by metallocene. <i>Macromolecular Rapid Communications</i> , 1997, 18, 1101-1107.	2.0	23
69	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.	1.8	23
70	Kinetic and Thermal Study of Ethylene and Propylene Homo Polymerization Catalyzed by ansa-Zirconocene Activated with Alkylaluminum/Borate: Effects of Alkylaluminum on Polymerization Kinetics and Polymer Structure. <i>Polymers</i> , 2021, 13, 268.	2.0	23
71	Copolymerization of propylene with various higher α -olefins using silica-supported $\text{rac-Me}_2\text{Si}(\text{Ind})_2\text{ZrCl}_2$. <i>Journal of Polymer Science Part A</i> , 2001, 39, 3294-3303.	2.5	22
72	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.	1.3	22

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73	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.	4.8	22
74	Comparison of chain structure and morphology of an olefinic blocky copolymer and a Ziegler-Natta-based ethylene random copolymer. <i>Polymer International</i> , 2013, 62, 228-237.	1.6	22
75	Phase behavior of LiClO ₄ -doped poly(μ -caprolactone)-b-poly(ethylene oxide) hybrids in the presence of competitive interactions. <i>Polymer</i> , 2014, 55, 1070-1077.	1.8	22
76	Effects of alkylaluminum as cocatalyst on the active center distribution of 1-hexene polymerization with MgCl ₂ -supported Ziegler-Natta catalysts. <i>Catalysis Communications</i> , 2015, 62, 104-106.	1.6	22
77	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.	1.9	22
78	Insight into the Mechanism of Thermal Stability of \pm -Diimine Nickel Complex in Catalyzing Ethylene Polymerization. <i>Organometallics</i> , 2017, 36, 1196-1203.	1.1	22
79	1-Hexene polymerization with supported Ziegler-Natta catalyst: Correlation between catalyst particle fragmentation and active center distribution. <i>Molecular Catalysis</i> , 2018, 447, 13-20.	1.0	22
80	Effect of ethoxy- and methoxysilane donors in propene/1-hexene copolymerization with high-yield supported Ziegler-Natta catalysts. <i>Macromolecular Chemistry and Physics</i> , 1994, 195, 3889-3899.	1.1	20
81	ESR study on SiO ₂ -supported half-titanocene catalyst for syndiospecific polymerization of styrene. <i>Macromolecular Rapid Communications</i> , 1997, 18, 875-882.	2.0	20
82	Improving microisotacticity of Ziegler-Natta catalyzed polypropylene by using triethylaluminum/triisobutylaluminum mixtures as cocatalyst. <i>Polymer</i> , 2014, 55, 4865-4872.	1.8	20
83	Influence of trimethylaluminum on kinetics of rac-Et(Ind) ₂ ZrCl ₂ /aluminoxane catalyzed ethylene polymerization. <i>Journal of Organometallic Chemistry</i> , 2016, 808, 109-116.	0.8	20
84	Ethylene-propylene copolymerization and their terpolymerization with dienes using <i>ansa</i> -Zirconocene catalysts activated by borate/alkylaluminum. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2020, 57, 156-164.	1.2	20
85	Comparative Analysis of Ethylene/Diene Copolymerization and Ethylene/Propylene/Diene Terpolymerization Using Ansa-Zirconocene Catalyst with Alkylaluminum/Borate Activator: The Effect of Conjugated and Nonconjugated Dienes on Catalytic Behavior and Polymer Microstructure. <i>Molecules</i> , 2021, 26, 2037.	1.7	20
86	Straightening Single-Walled Carbon Nanotubes by Adsorbed Rigid Poly(3-hexylthiophene) Chains via π - π Interaction. <i>Journal of Physical Chemistry C</i> , 2016, 120, 27665-27674.	1.5	19
87	Mechanism of internal and external electron donor effects on propylene polymerization with $MgCl_2$ -supported Ziegler-Natta catalyst: New evidences based on active center counting. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46605.	1.3	19
88	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, 358.	2.0	19
89	Synthesis and properties of organic-inorganic hybrid P(NIPAM-co-AM-co-TMSPMA) microgels. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2011, 29, 439-449.	2.0	18
90	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.	1.9	18

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91	Kinetics of short-duration ethylene polymerization with MgCl ₂ -supported Ziegler-Natta catalyst: Two-stage initiation evidenced by changes in active center concentration. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45187.	1.3	18
92	Synthesis of functional polyolefins via ring-opening metathesis polymerization of ester-functionalized cyclopentene and its copolymerization with cyclic comonomers. <i>Polymer Chemistry</i> , 2017, 8, 5924-5933.	1.9	18
93	Effects of titanium dispersion state on distribution and reactivity of active centers in propylene polymerization with MgCl ₂ -supported Ziegler-Natta catalysts: A kinetic study based on active center counting. <i>ChemCatChem</i> , 2020, 12, 5140-5148.	1.8	18
94	Synthesis and characterization of PBMA-b-PDMS-b-PBMA copolymers by atom transfer radical polymerization. <i>Journal of Applied Polymer Science</i> , 2004, 92, 532-538.	1.3	17
95	Effect of alkylaluminum on ethylene polymerization catalyzed by 2,6-bis(imino)pyridyl complexes of Fe(II). <i>Journal of Polymer Science Part A</i> , 2005, 43, 1599-1606.	2.5	17
96	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.	1.8	17
97	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	16
98	Ethylene polymerization and ethylene/1-hexene copolymerization using homogeneous and heterogeneous unbridged bisindenyl zirconocene catalysts. <i>European Polymer Journal</i> , 2005, 41, 2380-2387.	2.6	16
99	Strong influences of cocatalyst on ethylene/propylene copolymerization with a MgCl ₂ /SiO ₂ /TiCl ₄ /diester type Ziegler-Natta catalyst. <i>European Polymer Journal</i> , 2007, 43, 3442-3451.	2.6	16
100	Thermal fractionation and effect of comonomer distribution on the crystal structure of ethylene-propylene copolymers. <i>Polymer</i> , 2009, 50, 2510-2515.	1.8	16
101	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	16
102	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.	1.7	16
103	Closed-Loop Phase Behavior of Block Copolymers in the Presence of Competitive Hydrogen-Bonding and Coulombic Interaction. <i>Macromolecules</i> , 2018, 51, 4727-4734.	2.2	16
104	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.	0.8	16
105	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.	1.6	15
106	A new method of active center determination for olefin polymerization with supported Ziegler-Natta catalysts. <i>Macromolecular Research</i> , 2010, 18, 695-700.	1.0	15
107	Polymerisation of Norbornene Catalysed by Highly Active Tetradentate Chelated η^5 -Diimine Nickel Complexes. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 367-374.	1.1	15
108	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.	1.8	15

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109	Effect of alkylaluminum cocatalyst on ethylene/1-hexene copolymerization and active center distribution of MgCl ₂ -supported Ziegler-Natta catalyst. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2021, 58, 539-549.	1.2	15
110	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.	1.3	14
111	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.	2.6	14
112	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.	1.8	14
113	Hierarchical structures of olefinic blocky copolymer/montmorillonite nanocomposites with collapsed and intercalated clay layers. <i>RSC Advances</i> , 2014, 4, 15678-15688.	1.7	14
114	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	14
115	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	14
116	Interfacial self-assembly of amphiphilic conjugated block copolymer into 2D nanotapes. <i>Soft Matter</i> , 2019, 15, 8790-8799.	1.2	14
117	Rapid kinetic evaluation of homogeneous single-site metallocene catalysts and cyclic diene: how do the catalytic activity, molecular weight, and diene incorporation rate of olefins affect each other?. <i>RSC Advances</i> , 2021, 11, 31817-31826.	1.7	14
118	Construction of Glycosylated Surfaces for Poly(propylene) Beads with a Photoinduced Grafting/Chemical Reaction Sequence. <i>Macromolecular Rapid Communications</i> , 2007, 28, 2325-2331.	2.0	13
119	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.	2.6	13
120	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, 6050-6061.	1.2	13
121	Microphase separation and crystallization behaviors of bi-phased triblock terpolymers with a competitively dissolved middle block. <i>Polymer</i> , 2017, 117, 140-149.	1.8	13
122	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.	1.3	12
123	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.	4.8	12
124	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.	1.8	12
125	A highly efficient nucleating agent for impact-resistant polypropylene copolymer. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	12
126	Hydrogen-bonding induced abnormal microphase separation behavior of poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50,62 Td (oxi	1.8	12

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127	Study on 2-thiophenecarbonyl chloride-quenched olefin polymerization with $\hat{\pm}$ -diimine nickel catalysts. Iranian Polymer Journal (English Edition), 2018, 27, 153-159.	1.3	12
128	Determination and tracing of active and dormant propagation chains in 1-hexene polymerization with supported Ziegler-Natta catalyst. Applied Catalysis A: General, 2020, 595, 117469.	2.2	12
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130	Synthesis and characterization of low-molecular-weight hydrogenated polybutadiene-b-poly(ethylene) Tj ETQq0 0 0,rgBT /Overlock 10 Tf	1.3	11
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135	Regio-selective synthesis of polyepichlorohydrin diol using Zn ^{II} -Co(<i>scp</i>) double metal cyanide complex. RSC Advances, 2014, 4, 21765-21771.	1.7	11
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143	Mechanistic Study of the Influence of Salt Species on the Lower Disorder-to-Order Transition Behavior of Poly(ethylene oxide)- <i>b</i> -Poly(ionic liquid)/Salt Hybrids. Macromolecules, 2020, 53, 4560-4567.	2.2	10
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146	Performance of various activators in ethylene polymerization based on an iron(II) catalyst system. <i>Journal of Polymer Science Part A</i> , 2004, 42, 1093-1099.	2.5	9
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170	Structure and properties of ethylene/propylene copolymers synthesized with bis(2,4,7-trimethylindenyl)zirconium dichloride activated by methyl aluminoxanes containing different amount of trimethylaluminum. <i>Polymer</i> , 2017, 122, 77-86.	1.8	7
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183	Synthesis and micellization behavior of amphiphilic graft copolymer with 1-octene as hydrophobic moiety. <i>Journal of Applied Polymer Science</i> , 2010, 115, 2423-2431.	1.3	5
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