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#	Paper	IF	Citations
106	Polypropylene/Graphene Oxide Nanocomposites Prepared by In Situ Ziegler-Natta Polymerization. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 4096-4102	9.6	245
105	Design and synthesis of structurally well-defined functional polyolefins via transition metal-mediated olefin polymerization chemistry. <i>Coordination Chemistry Reviews</i> , <b>2006</b> , 250, 47-65	23.2	238
104	Facile Creation of a Bionic Super-Hydrophobic Block Copolymer Surface. <i>Advanced Materials</i> , <b>2004</b> , 16, 1830-1833	24	171
103	A novel consecutive chain transfer reaction to p-methylstyrene and hydrogen during metallocene-mediated olefin polymerization. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 4871-6	16.4	95
102	A novel effective way of comprising a nucleating agent in isotactic polypropylene (i-PP): Polymerized dispersion and polymer characterization. <i>Polymer</i> , <b>2008</b> , 49, 5053-5063	3.9	93
101	Atomic force microscopy study of the lamellar growth of isotactic polypropylene. <i>Polymer</i> , <b>2005</b> , 46, 4077-4087	3.9	93
100	Synthesis of Isotactic Polypropylene Containing a Terminal Cl, OH, or NH <sub>2</sub> Group via Metallocene-Mediated Polymerization/Chain Transfer Reaction. <i>Macromolecules</i> , <b>2002</b> , 35, 9352-9359	5.5	79
99	Cell coalescence suppressed by crosslinking structure in polypropylene microcellular foaming. <i>Polymer Engineering and Science</i> , <b>2008</b> , 48, 1312-1321	2.3	73
98	Foaming behavior of isotactic polypropylene in supercritical CO <sub>2</sub> influenced by phase morphology via chain grafting. <i>Polymer</i> , <b>2008</b> , 49, 3146-3156	3.9	71
97	Functionalized Syndiotactic Polystyrene Polymers Prepared by the Combination of Metallocene Catalyst and Borane Comonomer. <i>Macromolecules</i> , <b>2002</b> , 35, 3439-3447	5.5	71
96	Foaming behavior of polypropylene/polystyrene blends enhanced by improved interfacial compatibility. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2008</b> , 46, 1641-1651	2.6	58
95	Isotactic Poly(propylene)/Monoalkylimidazolium-Modified Montmorillonite Nanocomposites: Preparation by Intercalative Polymerization and Thermal Stability Study. <i>Macromolecular Rapid Communications</i> , <b>2004</b> , 25, 2008-2013	4.8	56
94	Preparation of exfoliated isotactic polypropylene/alkyl-triphenylphosphonium-modified montmorillonite nanocomposites via in situ intercalative polymerization. <i>Polymer</i> , <b>2006</b> , 47, 1767-1771	3.9	55
93	Synthesis of Polyethylene Containing a Terminal p-Methylstyrene Group: Metallocene-Mediated Ethylene Polymerization with a Consecutive Chain Transfer Reaction to p-Methylstyrene and Hydrogen. <i>Macromolecules</i> , <b>2002</b> , 35, 1622-1631	5.5	50
92	Synthesis of Linear Ethylene/Divinylbenzene Copolymers by Metallocene Catalysis. <i>Macromolecules</i> , <b>2002</b> , 35, 2868-2870	5.5	49
91	Cross-Linked Polypropylene Prepared by PP Copolymers Containing Flexible Styrene Groups. <i>Macromolecules</i> , <b>2009</b> , 42, 3750-3754	5.5	43
90	Synthesis of Linear Polyolefin Elastomers Containing Divinylbenzene Units and Applications in Cross-Linking, Functionalization, and Graft Reactions. <i>Macromolecules</i> , <b>2003</b> , 36, 6000-6009	5.5	43

89	Facile synthesis of chain end functionalized polyethylenes via epoxide ring-opening and thiol-ene addition click chemistry. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 105-115	4.9	41
88	Copolymerization of Ethylene and 10-Undecen-1-ol using a Montmorillonite-Intercalated Metallocene Catalyst: Synthesis of Polyethylene/Montmorillonite Nanocomposites with Enhanced Structural Stability. <i>Macromolecular Rapid Communications</i> , <b>2006</b> , 27, 1278-1283	4.8	40
87	Crystallization behaviors in the isotactic polypropylene/graphene composites. <i>Polymer</i> , <b>2014</b> , 55, 4125-4135	4.35	39
86	Synthesis and Functionalization of Isotactic Poly(propylene) Containing Pendant Styrene Groups. <i>Macromolecular Rapid Communications</i> , <b>2004</b> , 25, 1797-1804	4.8	39
85	Efficient preparation of isotactic polypropylene/montmorillonite nanocomposites by in situ polymerization technique via a combined use of functional surfactant and metallocene catalysis. <i>Polymer</i> , <b>2007</b> , 48, 6254-6261	3.9	38
84	Interpenetrating network formation in isotactic polypropylene/graphene composites. <i>Polymer</i> , <b>2013</b> , 54, 3680-3690	3.9	36
83	Synthesis of polypropylene graft copolymers by the combination of a polypropylene copolymer containing pendant vinylbenzene groups and atom transfer radical polymerization. <i>Journal of Polymer Science Part A</i> , <b>2005</b> , 43, 429-437	2.5	35
82	One-Pot Process of Preparing Long Chain Branched Polypropylene Using C <sub>2</sub> -Symmetric Metallocene Complex and a $\text{Ti}(\text{OR})_4$ Reagent. <i>Macromolecules</i> , <b>2005</b> , 38, 5849-5853	5.5	34
81	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
80	Morphology and mechanical properties of polypropylene/poly (propylene-1-octene) in-reactor alloys prepared by Metallocene/Ziegler-Natta hybrid catalyst. <i>Polymer</i> , <b>2012</b> , 53, 1507-1516	3.9	31
79	Conformation transition and crystalline phase variation of long chain branched isotactic polypropylenes (LCB-iPP). <i>Polymer</i> , <b>2007</b> , 48, 870-876	3.9	31
78	Synthesis of Chain End Functional Isotactic Polypropylene by the Combination of Metallocene/MAO Catalyst and Organoborane Chain Transfer Agent. <i>Macromolecules</i> , <b>2008</b> , 41, 8452-8457	5.5	30
77	Reduction of Graphite Oxide with a Grignard Reagent for Facile In Situ Preparation of Electrically Conductive Polyolefin/Graphene Nanocomposites. <i>Macromolecular Chemistry and Physics</i> , <b>2012</b> , 213, 720-728	2.6	29
76	Synthesis and Properties of Polyethylene-Bound Antioxidants. <i>Macromolecular Chemistry and Physics</i> , <b>2014</b> , 215, 763-775	2.6	28
75	Synthesis of Star Isotactic Polypropylene Using Click Chemistry. <i>Macromolecules</i> , <b>2010</b> , 43, 8331-8335	5.5	28
74	Borane chain transfer reaction in olefin polymerization using trialkylboranes as chain transfer agents. <i>Journal of Polymer Science Part A</i> , <b>2010</b> , 48, 3534-3541	2.5	26
73	Structural and morphological development in poly(ethylene-co-hexene) and poly(ethylene-co-butylene) blends due to the competition between liquid-liquid phase separation and crystallization. <i>Polymer</i> , <b>2005</b> , 46, 2675-2684	3.9	26
72	Novel organic modification of montmorillonite in hydrocarbon solvent using ionic liquid-type surfactant for the preparation of polyolefin/clay nanocomposites. <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 102, 4314-4320	2.9	25

71	Facile functionalization of isotactic polypropylene by azide and alkyne groups for click chemistry application. <i>Applied Organometallic Chemistry</i> , <b>2011</b> , 25, 632-637	3.1	24
70	Mechanisms of nucleation and crystal growth in a nascent isotactic polypropylene/poly (ethylene-co-octene) in-reactor alloy investigated by temperature-resolved synchrotron SAXS and DSC methods. <i>Polymer</i> , <b>2011</b> , 52, 4590-4599	3.9	22
69	Supporting a Metallocene on Functional Polypropylene Granules for Slurry Ethylene Polymerization. <i>Macromolecules</i> , <b>2004</b> , 37, 6275-6282	5.5	22
68	An examination of aluminum chain transfer reaction in rac-Me <sub>2</sub> Si[2-Me-4-Naph-Ind]ZrCl <sub>2</sub> /MAO-catalyzed propylene polymerization and synthesis of aluminum-terminated isotactic polypropylene with controlled molecular weight. <i>Journal of Molecular Catalysis A</i> , <b>2005</b> , 236, 246-252		22
67	A comparison study on the melt crystallization kinetics of long chain branched and linear isotactic polypropylenes. <i>Science Bulletin</i> , <b>2008</b> , 53, 188-197		20
66	A new synthetic route to borane-terminated isotactic polypropylenes via styrene/hydrogen consecutive chain transfer reaction. <i>Journal of Polymer Science Part A</i> , <b>2006</b> , 44, 539-548	2.5	20
65	An in situ matrix functionalization approach to structure stability enhancement in polyethylene/montmorillonite nanocomposites prepared by intercalative polymerization. <i>Polymer</i> , <b>2007</b> , 48, 4005-4014	3.9	19
64	Crystallization behavior and crystallization kinetic studies of isotactic polypropylene modified by long-chain branching polypropylene. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 114, 2180-2194	2.9	18
63	Probing into the pristine basic morphology of high impact polypropylene particles. <i>Polymer</i> , <b>2009</b> , 50, 4690-4695	3.9	18
62	Fabrication of nanofillers into a granular "nanosupport" for Ziegler-Natta catalysts: towards scalable in situ preparation of polyolefin nanocomposites. <i>Macromolecular Rapid Communications</i> , <b>2011</b> , 32, 1052-9	4.8	17
61	Ethylene/propylene copolymerization over three conventional C <sub>2</sub> -symmetric metallocene catalysts: Correlation between catalyst configuration and copolymer microstructure. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 118, 3218-3226	2.9	16
60	Propylene polymerization over MgCl <sub>2</sub> -supported TiCl <sub>4</sub> catalysts bearing different amounts of a diether internal electron donor: Extrapolation to the role of internal electron donor on active site. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 124, 1265-1270	2.9	14
59	Synthesis of low dispersity star-like polyethylene: a combination of click chemistry and a sol-gel process. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 3963-3967	4.9	13
58	Enhancement of graft yield and control of degradation during polypropylene maleation in the presence of polyfunctional monomer. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 121, 2512-2517	2.9	13
57	A Closed-Loop Phase Diagram in a Weakly Interacting Polyolefin Copolymer Binary Blend System. <i>Macromolecular Rapid Communications</i> , <b>2005</b> , 26, 973-978	4.8	13
56	Effects of liquid-liquid phase separation on crystallization kinetics and morphology of isotactic polypropylene/poly (ethylene-co-octene) in-reactor alloy. <i>Polymer</i> , <b>2012</b> , 53, 2465-2475	3.9	12
55	Catalytic synthesis of styryl-capped isotactic polypropylenes. <i>Journal of Polymer Science Part A</i> , <b>2010</b> , 48, 3709-3713	2.5	12
54	Hydrogen-Assisted Unique Incorporation of 1,4-Divinylbenzene in Copolymerization with Propylene Using an Isospecific Zirconocene Catalyst. <i>Macromolecular Rapid Communications</i> , <b>2005</b> , 26, 1936-1941	4.8	12

53	Morphologies of long chain branched isotactic polypropylene crystallized from melt. <i>Colloid and Polymer Science</i> , <b>2005</b> , 284, 322-326	2.4	12
52	Synthesis of polypropylene nanocomposites using graphite oxide-intercalated Ziegler-Natta catalyst. <i>Journal of Organometallic Chemistry</i> , <b>2015</b> , 798, 311-316	2.3	11
51	Functionalized multi-walled carbon nanotubes with stereospecific Ziegler-Natta catalyst species: Towards facile in situ preparation of polypropylene nanocomposites. <i>Applied Catalysis A: General</i> , <b>2012</b> , 435-436, 107-114	5.1	11
50	In-Reactor Compounding Metallocenic Isotactic Poly(propylene)/Nucleation Agent Compositions by Employing the Nucleation Agent as a Catalyst Support. <i>Macromolecular Reaction Engineering</i> , <b>2007</b> , 1, 307-312	1.5	11
49	Nonconjugated $\beta$ -Diolen/Propylene Copolymerization to Long Chain-Branched Polypropylene by Ziegler-Natta Catalyst: Overcoming Steric Hindrance by Introducing an Extra Electronic Pulling Effect. <i>Macromolecules</i> , <b>2018</b> , 51, 9234-9249	5.5	11
48	Synthesis and crystallization behavior study of syndiotactic polystyrene-g-isotactic polypropylene (sPS-g-iPP) graft copolymers. <i>Journal of Polymer Science Part A</i> , <b>2011</b> , 49, 2734-2745	2.5	10
47	Catalytic synthesis and characterization of well-defined polypropylene graft copolymers. <i>Catalysis Communications</i> , <b>2008</b> , 10, 61-67	3.2	10
46	On the Cascade Polymerization Process Consisting of Metallocene Polymerization and ATRP to Prepare i-PP-Based Polar Block Copolymers. <i>Macromolecular Reaction Engineering</i> , <b>2009</b> , 3, 91-100	1.5	9
45	Magnesium chloride supported Ziegler-Natta catalysts containing succinate internal electron donors for the polymerization of propylene. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 118, n/a-n/a	2.9	9
44	Synthesis of i-PP-based functional block copolymer by a facile combination of styryl-capped i-PP and ATRP. <i>Journal of Polymer Science Part A</i> , <b>2010</b> , 48, 5783-5789	2.5	9
43	Is isoprene capable of being a comonomer under metallocene catalysis to reach side chain-unsaturated isotactic polypropylene?. <i>Polymer</i> , <b>2007</b> , 48, 1533-1540	3.9	9
42	Synthesis of polypropylene block copolymers from brominated styrene-terminated isotactic polypropylene. <i>European Polymer Journal</i> , <b>2006</b> , 42, 1043-1050	5.2	9
41	Fabrication of long chain branched polypropylene using click chemistry. <i>Polymer Bulletin</i> , <b>2012</b> , 68, 949-959	2.9	8
40	Synthesis of azide end-functionalized isotactic polypropylene building block and renewed modular synthesis of diblock copolymers of isotactic polypropylene and poly( $\epsilon$ -caprolactone). <i>Journal of Polymer Science Part A</i> , <b>2011</b> , 49, 2222-2232	2.5	8
39	Alkyl exchange reaction between dialkylzinc compounds and methylaluminumoxane and the effect on propylene polymerization. <i>Applied Organometallic Chemistry</i> , <b>2010</b> , 24, 641-645	3.1	8
38	Synthesis of polypropylene graft copolymers from a hydroxyl-groups-containing polypropylene precursor via atom-transfer radical polymerization. <i>Polymer International</i> , <b>2006</b> , 55, 675-680	3.3	8
37	How does a polymerized compounding affect the nucleation effect of a sorbitol derivative nucleating agent in isotactic polypropylene melt crystallization?. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 127, 888-903	2.9	7
36	Preparation of nano-compounded polyolefin materials through in situ polymerization technique: status quo and future prospects. <i>Science Bulletin</i> , <b>2009</b> , 54, 38-45		7

- 35 Assessing 1,9-Decadiene/Propylene Copolymerization with Ziegler-Natta Catalysts to Long-Chain-Branched Polypropylene. *Industrial & Engineering Chemistry Research*, **2020**, 59, 12038-12047 3.9 6
- 34  $\alpha$ -Alkenylmethylchlorosilane-assisted propylene polymerization with Ziegler-Natta catalyst to long chain-branched polypropylene. *Polymer*, **2020**, 202, 122737 3.9 6
- 33 Two-in-One catalysis of broad/bimodal molecular-weight-distribution polypropylene by a combination of Ziegler-Natta and metallocene catalysts. *Applied Catalysis A: General*, **2014**, 484, 142-147 5.1 6
- 32 PE/OMMT nanocomposites prepared by in situ polymerization approach: Effects of OMMT-intercalated catalysts and silicate modifications. *Journal of Applied Polymer Science*, **2012**, 123, 3106-3116 2.9 6
- 31 Preparation of polypropylene/montmorillonite nanocomposites by intercalative polymerization: Effect of in situ polymer matrix functionalization on the stability of the nanocomposite structure. *Science Bulletin*, **2007**, 52, 181-187 6
- 30 Characterization of polyethylene/kaolin composites by polymerization filling with Cp<sub>2</sub>ZrCl<sub>2</sub>/MAO catalyst system. *Journal of Applied Polymer Science*, **2002**, 85, 2913-2921 2.9 6
- 29 Investigation of Chain Microstructure of Polypropylene Polymerized by Ziegler-Natta Catalysts with Diester and Diether Compound as Internal Donor via Hydrogen Chain Transfer. *Industrial & Engineering Chemistry Research*, **2020**, 59, 1836-1844 3.9 5
- 28 Simultaneous cross-linking as a way to control physical growth of random ethylene-propylene copolymer during formation of high-impact polypropylene. *Polymer*, **2016**, 85, 10-18 3.9 5
- 27 Inherently flame retardant polypropylene copolymer. *Polymer*, **2017**, 126, 109-115 3.9 5
- 26 Regio-chemistry control in propylene/isoprene copolymerization by metallocene catalysts. *Polymer International*, **2015**, 64, 1023-1029 3.3 5
- 25 Synthesis of a new salphen-type titanium complex and its application in ethylene polymerization and copolymerization. *Applied Organometallic Chemistry*, **2010**, 24, 503-508 3.1 5
- 24 Recent key developments in isotactic polypropylene in-reactor alloy and in-reactor nanocomposite technology. *Science China Chemistry*, **2016**, 59, 1231-1239 7.9 5
- 23 New effort to synthesize star isotactic polypropylene. *Polymer Chemistry*, **2018**, 9, 3347-3354 4.9 5
- 22 Synthesis of styryl-capped polypropylene via metallocene-mediated coordination polymerization: Apply to polypropylene macromolecular engineering. *Chinese Journal of Polymer Science (English Edition)*, **2013**, 31, 550-562 3.5 4
- 21 A novel effect of bis(6-heptenyl)zinc on the molecular weight and rheologic performance of polypropylene produced by rac-Me<sub>2</sub>Si[2-Me-4-Ph-Ind]<sub>2</sub>ZrCl<sub>2</sub>/MAO. *Polymer Bulletin*, **2010**, 65, 779-786 2.4 4
- 20 Precision Polyolefin Nanoalloy Polypropylene/Poly( $\epsilon$ -caprolactone). *Macromolecular Rapid Communications*, **2015**, 36, 1971-8 4.8 3
- 19 Industrial Adaptability of the Ziegler-Natta Catalyst-Friendly Synthesis of Long-Chain-Branched Polypropylene Based on  $\alpha$ -Alkenylmethylchlorosilane-Assisted Propylene Polymerization. *Industrial & Engineering Chemistry Research*, **2021**, 60, 4589-4601 3.9 3
- 18 Blending Behavior of High-Degree Long-Chain-Branched Polypropylene Prepared by Ziegler-Natta Catalysis with Common Polypropylene. *Industrial & Engineering Chemistry Research*, **2021**, 60, 13614-13626 3.9 3

17	Regiochemistry-Aligned Copolymerization of Propylene with p-Methylstyrene and 1,4-Divinylbenzene Using an ansa-Metallocene Catalyst. <i>Macromolecular Chemistry and Physics</i> , <b>2014</b> , 215, 1776-1784	2.6	2
16	Dialkylzinc Compounds as Chain Transfer Agents in Ethylene and Propylene Polymerizations Catalyzed by Metallocene Catalysts. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>2010</b> , 47, 324-328	2.2	2
15	Enhancing electrical properties of impact polypropylene copolymer for eco-friendly power cable insulation by manipulating the multiphase structure through molten-state annealing. <i>Composites Science and Technology</i> , <b>2022</b> , 223, 109422	8.6	2
14	Comonomer-induced stereo-selectivity enhancement in a $c_2$ -symmetric metallocene-catalyzed propylene polymerization. <i>Macromolecular Rapid Communications</i> , <b>2015</b> , 36, 733-8	4.8	1
13	PE/OMMT nanocomposites catalyzed by the OMMT-intercalated Et[Ind] <sub>2</sub> ZrCl <sub>2</sub> in slurry polymerization: Effects of organic solvent on ethylene polymerization behaviors and the nanocomposite structures. <i>Journal of Applied Polymer Science</i> , <b>2011</b> , 119, 190-200	2.9	1
12	Dialkylzinc Compounds as Chain Transfer Agents in Ethylene and Propylene Polymerizations Catalyzed by Metallocene Catalysts. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>2010</b> , 47, 452-456	2.2	1
11	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
10	Synthesis of well-defined functional PE graft copoly-mers via ATRP process. <i>Science Bulletin</i> , <b>2005</b> , 50, 1048		1
9	In Situ Promotion of Long-Chain Branching in Polyethylene from Ziegler-Natta Catalysts. <i>ACS Applied Polymer Materials</i> ,	4.3	1
8	Assessing 1,9-Decadiene/Ethylene Copolymerization with Ziegler-Natta Catalyst to Access Long Chain-Branched Polyethylene. <i>ACS Omega</i> , <b>2021</b> , 6, 675-679	3.9	1
7	Compatible Polyethylene/Polyvinyl Chloride Particle Hybrids Prepared by in-situ Polymerization. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>2006</b> , 43, 1651-1656	2.2	0
6	Nanocomposites-Turned-Nanoalloys Polypropylene/Multiwalled Carbon Nanotubes-graft-Polystyrene: Synthesis and Polymer Nanoreinforcement. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2021</b> , 60, 10167-10179	3.9	0
5	Impact polypropylene copolymers containing multifold H-shape long-chain-branching structures: Synthesis and properties. <i>Polymer</i> , <b>2022</b> , 252, 124942	3.9	0
4	Macromol. Rapid Commun. 22/2015. <i>Macromolecular Rapid Communications</i> , <b>2015</b> , 36, 2024-2024	4.8	
3	Macromol. Rapid Commun. 8/2015. <i>Macromolecular Rapid Communications</i> , <b>2015</b> , 36, 784-784	4.8	
2	DESIGN AND SYNTHESIS OF POLYPROPYLENE b POLYPHOSPHATE BLOCK COPOLYMERS. <i>Acta Polymerica Sinica</i> , <b>2013</b> , 013, 518-525		
1	NEW IMPACT POLYPROPYLENE ALLOY CONTAINING CROSS-LINKING RUBBER PHASE. <i>Acta Polymerica Sinica</i> , <b>2013</b> , 013, 576-582		