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List of Publications by Year in descending order

108 papers	3,156 citations	147566 31 h-index	174990 52 g-index
109 all docs	109 docs citations	109 times ranked	2503 citing authors

#	Article	IF	Citations
1	Design and synthesis of structurally well-defined functional polyolefins via transition metal-mediated olefin polymerization chemistry. Coordination Chemistry Reviews, 2006, 250, 47-65.	9.5	272
2	Polypropylene/Graphene Oxide Nanocomposites Prepared by In Situ Zieglerâ˜Natta Polymerization. Chemistry of Materials, 2010, 22, 4096-4102.	3.2	265
3	Facile Creation of a Bionic Super-Hydrophobic Block Copolymer Surface. Advanced Materials, 2004, 16, 1830-1833.	11.1	183
4	Atomic force microscopy study of the lamellar growth of isotactic polypropylene. Polymer, 2005, 46, 4077-4087.	1.8	102
5	A novel effective way of comprising a Î²-nucleating agent in isotactic polypropylene (i-PP): Polymerized dispersion and polymer characterization. Polymer, 2008, 49, 5053-5063.	1.8	101
6	A Novel Consecutive Chain Transfer Reaction top-Methylstyrene and Hydrogen during Metallocene-Mediated Olefin Polymerization. Journal of the American Chemical Society, 2001, 123, 4871-4876.	6.6	100
7	Cell coalescence suppressed by crosslinking structure in polypropylene microcellular foaming. Polymer Engineering and Science, 2008, 48, 1312-1321.	1.5	91
8	Synthesis of Isotactic Polypropylene Containing a Terminal Cl, OH, or NH2 Group via Metallocene-Mediated Polymerization/Chain Transfer Reaction. Macromolecules, 2002, 35, 9352-9359.	2.2	87
9	Foaming behavior of isotactic polypropylene in supercritical CO2 influenced by phase morphology via chain grafting. Polymer, 2008, 49, 3146-3156.	1.8	82
10	Functionalized Syndiotactic Polystyrene Polymers Prepared by the Combination of Metallocene Catalyst and Borane Comonomer. Macromolecules, 2002, 35, 3439-3447.	2.2	73
11	Foaming behavior of polypropylene/polystyrene blends enhanced by improved interfacial compatibility. Journal of Polymer Science, Part B: Polymer Physics, 2008, 46, 1641-1651.	2.4	63
12	Isotactic Poly(propylene)/Monoalkylimidazolium-Modified Montmorillonite Nanocomposites: Preparation by Intercalative Polymerization and Thermal Stability Study. Macromolecular Rapid Communications, 2004, 25, 2008-2013.	2.0	60
13	Preparation of exfoliated isotactic polypropylene/alkyl-triphenylphosphonium-modified montmorillonite nanocomposites via in situ intercalative polymerization. Polymer, 2006, 47, 1767-1771.	1.8	57
14	Synthesis of Polyethylene Containing a Terminalp-Methylstyrene Group:Â Metallocene-Mediated Ethylene Polymerization with a Consecutive Chain Transfer Reaction top-Methylstyrene and Hydrogen. Macromolecules, 2002, 35, 1622-1631.	2.2	53
15	Synthesis of Linear Ethylene/Divinylbenzene Copolymers by Metallocene Catalysis. Macromolecules, 2002, 35, 2868-2870.	2.2	50
16	Cross-Linked Polypropylene Prepared by PP Copolymers Containing Flexible Styrene Groups. Macromolecules, 2009, 42, 3750-3754.	2.2	47
17	Crystallization behaviors in the isotactic polypropylene/graphene composites. Polymer, 2014, 55, 4125-4135.	1.8	47
18	Copolymerization of Ethylene and 10-Undecen-1-ol using a Montmorillonite-Intercalated Metallocene Catalyst: Synthesis of Polyethylene/Montmorillonite Nanocomposites with Enhanced Structural Stability. Macromolecular Rapid Communications, 2006, 27, 1278-1283.	2.0	46

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19	Facile synthesis of chain end functionalized polyethylenes via epoxide ring-opening and thiolâ€“ene addition click chemistry. Polymer Chemistry, 2014, 5, 105-115.	1.9	46
20	Synthesis of Linear Polyolefin Elastomers Containing Divinylbenzene Units and Applications in Cross-Linking, Functionalization, and Graft Reactions. Macromolecules, 2003, 36, 6000-6009.	2.2	43
21	Interpenetrating network formation in isotactic polypropylene/graphene composites. Polymer, 2013, 54, 3680-3690.	1.8	41
22	Synthesis and Functionalization of Isotactic Poly(propylene) Containing Pendant Styrene Groups. Macromolecular Rapid Communications, 2004, 25, 1797-1804.	2.0	40
23	Efficient preparation of isotactic polypropylene/montmorillonite nanocomposites by in situ polymerization technique via a combined use of functional surfactant and metallocene catalysis. Polymer, 2007, 48, 6254-6261.	1.8	39
24	One-Pot Process of Preparing Long Chain Branched Polypropylene UsingC2-Symmetric Metallocene Complex and a â€œTâ€•Reagent. Macromolecules, 2005, 38, 5849-5853.	2.2	38
25	Morphology and mechanical properties of polypropylene/poly (propylene-1-octene) in-reactor alloys prepared by Metallocene/Zieglerâ€“Natta hybrid catalyst. Polymer, 2012, 53, 1507-1516.	1.8	37
26	Synthesis of polypropylene graft copolymers by the combination of a polypropylene copolymer containing pendant vinylbenzene groups and atom transfer radical polymerization. Journal of Polymer Science Part A, 2005, 43, 429-437.	2.5	36
27	Synthesis of Chain End Functional Isotactic Polypropylene by the Combination of Metallocene/MAO Catalyst and Organoborane Chain Transfer Agent. Macromolecules, 2008, 41, 8452-8457.	2.2	34
28	Nascent Phase Separation and Crystallization Kinetics of an iPP/PEOc Polymer Alloy Prepared on a Single Multicatalyst Reactor Granule. Macromolecules, 2008, 41, 1421-1429.	2.2	34
29	Synthesis of Star Isotactic Polypropylene Using Click Chemistry. Macromolecules, 2010, 43, 8331-8335.	2.2	34
30	Conformation transition and crystalline phase variation of long chain branched isotactic polypropylenes (LCB-iPP). Polymer, 2007, 48, 870-876.	1.8	32
31	Reduction of Graphite Oxide with a Grignard Reagent for Facile In Situ Preparation of Electrically Conductive Polyolefin/Graphene Nanocomposites. Macromolecular Chemistry and Physics, 2012, 213, 720-728.	1.1	32
32	Synthesis and Properties of Polyethyleneâ€Bound Antioxidants. Macromolecular Chemistry and Physics, 2014, 215, 763-775.	1.1	31
33	Novel organic modification of montmorillonite in hydrocarbon solvent using ionic liquid-type surfactant for the preparation of polyolefinâ€“clay nanocomposites. Journal of Applied Polymer Science, 2006, 102, 4314-4320.	1.3	28
34	Facile functionalization of isotactic polypropylene by azide and alkyne groups for click chemistry application. Applied Organometallic Chemistry, 2011, 25, 632-637.	1.7	28
35	Selfâ€Similar Growth of Polyolefin Alloy Particles in a Single Granule Multiâ€Catalyst Reactor. Advanced Materials, 2008, 20, 2914-2917.	11.1	27
36	Supporting a Metallocene on Functional Polypropylene Granules for Slurry Ethylene Polymerization. Macromolecules, 2004, 37, 6275-6282.	2.2	26

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37	Structural and morphological development in poly(ethylene-co-hexene) and poly(ethylene-co-butylene) blends due to the competition between liquidâ€“liquid phase separation and crystallization. Polymer, 2005, 46, 2675-2684.	1.8	26
38	Borane chain transfer reaction in olefin polymerization using trialkylboranes as chain transfer agents. Journal of Polymer Science Part A, 2010, 48, 3534-3541.	2.5	26
39	An examination of aluminum chain transfer reaction in rac-Me2Si[2-Me-4-Naph-Ind]2ZrCl2/MAO-catalyzed propylene polymerization and synthesis of aluminum-terminated isotactic polypropylene with controlled molecular weight. Journal of Molecular Catalysis A, 2005, 236, 246-252.	4.8	24
40	A comparison study on the melt crystallization kinetics of long chain branched and linear isotactic polypropylenes. Science Bulletin, 2008, 53, 188-197.	1.7	23
41	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. Polymer, 2011, 52, 4590-4599.	1.8	23
42	Probing into the pristine basic morphology of high impact polypropylene particles. Polymer, 2009, 50, 4690-4695.	1.8	22
43	Magnesium chloride supported Zieglerâ€Natta catalysts containing succinate internal electron donors for the polymerization of propylene. Journal of Applied Polymer Science, 2010, 118, 1853-1858.	1.3	21
44	A new synthetic route to borane-terminated isotactic polypropylenes via styrene/hydrogen consecutive chain transfer reaction. Journal of Polymer Science Part A, 2006, 44, 539-548.	2.5	20
45	An in situ matrix functionalization approach to structure stability enhancement in polyethylene/montmorillonite nanocomposites prepared by intercalative polymerization. Polymer, 2007, 48, 4005-4014.	1.8	20
46	Crystallization behavior and crystallization kinetic studies of isotactic polypropylene modified by longâ€chain branching polypropylene. Journal of Applied Polymer Science, 2009, 114, 2180-2194.	1.3	20
47	Fabrication of Nanofillers into a Granular â€œNanosupportâ€• for Zieglerâ€Natta Catalysts: Towards Scalable in situ Preparation of Polyolefin Nanocomposites. Macromolecular Rapid Communications, 2011, 32, 1052-1059.	2.0	19
48	Enhancement of graft yield and control of degradation during polypropylene maleation in the presence of polyfunctional monomer. Journal of Applied Polymer Science, 2011, 121, 2512-2517.	1.3	19
49	Ï‰-Alkenylmethyldichlorosilane-assisted propylene polymerization with Ziegler-Natta catalyst to long chain-branched polypropylene. Polymer, 2020, 202, 122737.	1.8	19
50	Synthesis of low dispersity star-like polyethylene: a combination of click chemistry and a solâ€“gel process. Polymer Chemistry, 2014, 5, 3963-3967.	1.9	18
51	Nonconjugated Î±,Ï‰-Diolefin/Propylene Copolymerization to Long Chain-Branched Polypropylene by Zieglerâ€“Natta Catalyst: Overcoming Steric Hindrance by Introducing an Extra Electronic Pulling Effect. Macromolecules, 2018, 51, 9234-9249.	2.2	18
52	Ethylene/propylene copolymerization over three conventional C₂â€symmetric metallocene catalysts: Correlation between catalyst configuration and copolymer microstructure. Journal of Applied Polymer Science, 2010, 118, 3218-3226.	1.3	17
53	Assessing 1,9-Decadiene/Propylene Copolymerization with Ziegler-Natta Catalysts to Long-Chain-Branched Polypropylene. Industrial & Engineering Chemistry Research, 2020, 59, 12038-12047.	1.8	15
54	Propylene polymerization over MgCl₂â€supported TiCl₄ catalysts bearing different amounts of a diether internal electron donor: Extrapolation to the role of internal electron donor on active site. Journal of Applied Polymer Science, 2012, 124, 1265-1270.	1.3	14

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55	Enhancing electrical properties of impact polypropylene copolymer for eco-friendly power cable insulation by manipulating the multiphase structure through molten-state annealing. Composites Science and Technology, 2022, 223, 109422.	3.8	14
56	A Closed-Loop Phase Diagram in a Weakly Interacting Polyolefin Copolymer Binary Blend System. Macromolecular Rapid Communications, 2005, 26, 973-978.	2.0	13
57	Hydrogen-Assisted Unique Incorporation of 1,4-Divinylbenzene in Copolymerization with Propylene Using an Isospecific Zirconocene Catalyst. Macromolecular Rapid Communications, 2005, 26, 1936-1941.	2.0	13
58	Catalytic synthesis of styrylâ€‹capped isotactic polypropylenes. Journal of Polymer Science Part A, 2010, 48, 3709-3713.	2.5	13
59	Effects of liquidâ€“liquid phase separation on crystallization kinetics and morphology of isotactic polypropylene/poly (ethylene-co-octene) in-reactor alloy. Polymer, 2012, 53, 2465-2475.	1.8	13
60	Synthesis of polypropylene nanocomposites using graphite oxide-intercalatedÂZieglerâ€“Natta catalyst. Journal of Organometallic Chemistry, 2015, 798, 311-316.	0.8	13
61	Morphologies of long chain branched isotactic polypropylene crystallized from melt. Colloid and Polymer Science, 2005, 284, 322-326.	1.0	12
62	Functionalized multi-walled carbon nanotubes with stereospecific Ziegler-Natta catalyst species: Towards facile in situ preparation of polypropylene nanocomposites. Applied Catalysis A: General, 2012, 435-436, 107-114.	2.2	12
63	In-Reactor Compounding Metallocenic Isotactic Poly(propylene)/Nucleation Agent Compositions by Employing the Nucleation Agent as a Catalyst Support. Macromolecular Reaction Engineering, 2007, 1, 307-312.	0.9	11
64	On the Cascade Polymerization Process Consisting of Metallocene Polymerization and ATRP to Prepare iâ€PPâ€based Polar Block Copolymers. Macromolecular Reaction Engineering, 2009, 3, 91-100.	0.9	11
65	New effort to synthesize star isotactic polypropylene. Polymer Chemistry, 2018, 9, 3347-3354.	1.9	11
66	Synthesis of polypropylene block copolymers from brominated styrene-terminated isotactic polypropylene. European Polymer Journal, 2006, 42, 1043-1050.	2.6	10
67	Is isoprene capable of being a comonomer under metallocene catalysis to reach side chain-unsaturated isotactic polypropylene?. Polymer, 2007, 48, 1533-1540.	1.8	10
68	Catalytic synthesis and characterization of well-defined polypropylene graft copolymers. Catalysis Communications, 2008, 10, 61-67.	1.6	10
69	Synthesis of iâ€PPâ€based functional block copolymer by a facile combination of styrylâ€‹capped iâ€PP and ATRP. Journal of Polymer Science Part A, 2010, 48, 5783-5789.	2.5	10
70	Synthesis and crystallization behavior study of syndiotactic polystyreneâ€gâ€isotactic polypropylene (sPSâ€gâ€iPP) graft copolymers. Journal of Polymer Science Part A, 2011, 49, 2734-2745.	2.5	10
71	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.	1.8	10
72	Preparation of nano-compounded polyolefin materials through in situ polymerization technique: status quo and future prospects. Science Bulletin, 2009, 54, 38-45.	1.7	9

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73	Synthesis of azide endâ€functionalized isotactic polypropylene building block and renewed modular synthesis of diblock copolymers of isotactic polypropylene and poly(Îµâ€caprolactone). Journal of Polymer Science Part A, 2011, 49, 2222-2232.	2.5	9
74	Inherently flame retardant polypropylene copolymer. Polymer, 2017, 126, 109-115.	1.8	9
75	Blending Behavior of High-Degree Long-Chain-Branched Polypropylene Prepared by Zieglerâ€“Natta Catalysis with Common Polypropylene. Industrial & Engineering Chemistry Research, 2021, 60, 13614-13626.	1.8	9
76	Synthesis of polypropylene graft copolymers from a hydroxyl-groups-containing polypropylene precursor via atom-transfer radical polymerization. Polymer International, 2006, 55, 675-680.	1.6	8
77	In situ compatibilization of polypropylene/polystyrene blend by controlled degradation and reactive extrusion. Journal of Applied Polymer Science, 2009, 111, 826-832.	1.3	8
78	Alkyl exchange reaction between dialkylzinc compounds and methylaluminoxane and the effect on propylene polymerization. Applied Organometallic Chemistry, 2010, 24, 641-645.	1.7	8
79	Fabrication of long chain branched polypropylene using click chemistry. Polymer Bulletin, 2012, 68, 949-959.	1.7	8
80	Recent key developments in isotactic polypropylene in-reactor alloy and in-reactor nanocomposite technology. Science China Chemistry, 2016, 59, 1231-1239.	4.2	8
81	Investigation of Chain Microstructure of Polypropylene Polymerized by Zieglerâ€“Natta Catalysts with Diester and Diether Compound as Internal Donor via Hydrogen Chain Transfer. Industrial & Engineering Chemistry Research, 2020, 59, 1836-1844.	1.8	8
82	Industrial Adaptability of the Zieglerâ€“Natta Catalyst-Friendly Synthesis of Long-Chain-Branched Polypropylene Based on Ï‰-Alkenylmethyldichlorosilane-Assisted Propylene Polymerization. Industrial & Engineering Chemistry Research, 2021, 60, 4589-4601.	1.8	8
83	In Situ Promotion of Long-Chain Branching in Polyethylene from Zieglerâ€“Natta Catalysts. ACS Applied Polymer Materials, 2021, 3, 6455-6467.	2.0	8
84	Impact polypropylene copolymers containing multifold H-shape long-chain-branching structures: Synthesis and properties. Polymer, 2022, 252, 124942.	1.8	8
85	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.	1.7	7
86	Synthesis of a new salphenâ€type titanium complex and its application in ethylene polymerization and copolymerization. Applied Organometallic Chemistry, 2010, 24, 503-508.	1.7	7
87	PE/OMMT nanocomposites prepared by in situ polymerization approach: Effects of OMMTâ€intercalated catalysts and silicate modifications. Journal of Applied Polymer Science, 2012, 123, 3106-3116.	1.3	7
88	How does a polymerized compounding affect the nucleation effect of a sorbitol derivative nucleating agent in isotactic polypropylene melt crystallization?. Journal of Applied Polymer Science, 2013, 127, 888-903.	1.3	7
89	Regioâ€chemistry control in propylene/isoprene copolymerization by metallocene catalysts. Polymer International, 2015, 64, 1023-1029.	1.6	7
90	Nanocomposites-Turned-Nanoalloys Polypropylene/Multiwalled Carbon Nanotubes-graft-Polystyrene: Synthesis and Polymer Nanoreinforcement. Industrial & Engineering Chemistry Research, 2021, 60, 10167-10179.	1.8	7

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91	Characterization of polyethylene/kaolin composites by polymerization filling with Cp2ZrCl2/MAO catalyst system. Journal of Applied Polymer Science, 2002, 85, 2913-2921.	1.3	6
92	â€œTwo-in-Oneâ€•catalysis of broad/bimodal molecular-weight-distribution polypropylene by a combination of Zieglerâ€“Natta and metallocene catalysts. Applied Catalysis A: General, 2014, 484, 142-147.	2.2	6
93	Assessing 1,9-Decadiene/Ethylene Copolymerization with Zieglerâ€“Natta Catalyst to Access Long Chain-Branched Polyethylene. ACS Omega, 2021, 6, 675-679.	1.6	6
94	A novel effect of bis(6-heptenyl)zinc on the molecular weight and rheologic performance of polypropylene produced by rac-Me2Si[2-Me-4-Ph-Ind]2ZrCl2/MAO. Polymer Bulletin, 2010, 65, 779-786.	1.7	4
95	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.	2.0	4
96	Dialkylzinc Compounds as Chain Transfer Agents in Ethylene and Propylene Polymerizations Catalyzed by Metallocene Catalysts. Journal of Macromolecular Science - Pure and Applied Chemistry, 2010, 47, 452-456.	1.2	3
97	Regiochemistryâ€Aligned Copolymerization of Propylene with pâ€Methylstyrene and 1,4â€DivinylÂbenzene Using an ansaâ€Metallocene Catalyst. Macromolecular Chemistry and Physics, 2014, 215, 1776-1784.	1.1	3
98	Precision Polyolefin Nanoalloy Polypropylene/Poly(Îµâ€caprolactone). Macromolecular Rapid Communications, 2015, 36, 1971-1978.	2.0	3
99	Dialkylzinc Compounds as Chain Transfer Agents in Ethylene and Propylene Polymerizations Catalyzed by Metallocene Catalysts. Journal of Macromolecular Science - Pure and Applied Chemistry, 2010, 47, 324-328.	1.2	2
100	Synthesis of well-defined functional PE graft copoly-mers via ATRP process. Science Bulletin, 2005, 50, 1048.	1.7	1
101	Compatible Polyethylene/Polyvinyl Chloride Particle Hybrids Prepared byinâ€situPolymerization. Journal of Macromolecular Science - Pure and Applied Chemistry, 2006, 43, 1651-1656.	1.2	1
102	PE/OMMT nanocomposites catalyzed by the OMMTâ€intercalated Et[Ind]₂ZrCl₂ in slurry polymerization: Effects of organic solvent on ethylene polymerization behaviors and the nanocomposite structures. Journal of Applied Polymer Science, 2011, 119, 190-200.	1.3	1
103	Comonomerâ€Induced Stereoâ€Selectivity Enhancement in a C₂â€Symmetric Metalloceneâ€Catalyzed Propylene Polymerization. Macromolecular Rapid Communications, 2015, 36, 733-738.	2.0	1
104	Macromol. React. Eng. 2-3/2009. Macromolecular Reaction Engineering, 2009, 3, NA-NA.	0.9	0
105	Macromol. Rapid Commun. 22/2015. Macromolecular Rapid Communications, 2015, 36, 2024-2024.	2.0	0
106	Macromol. Rapid Commun. 8/2015. Macromolecular Rapid Communications, 2015, 36, 784-784.	2.0	0
107	DESIGN AND SYNTHESIS OF POLYPROPYLENE b POLYPHOSPHATE BLOCK COPOLYMERS. Acta Polymerica Sinica, 2013, 013, 518-525.	0.0	0
108	NEW IMPACT POLYPROPYLENE ALLOY CONTAINING CROSS-LINKING RUBBER PHASE. Acta Polymerica Sinica, 2013, 013, 576-582.	0.0	0