

Claudio De Rosa

List of Publications by Year in descending order

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289
papers

12,170
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30551

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docs citations

297
times ranked

5628
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystallization of Propene- <i>t</i> -Pentene Isotactic Copolymers as an Indicator of the General View of the Crystallization Behavior of Isotactic Polypropylene. <i>Macromolecules</i> , 2022, 55, 241-251.	2.2	10
2	Structure and Morphology of Crystalline Syndiotactic Polypropylene-Polyethylene Block Copolymers. <i>Polymers</i> , 2022, 14, 1534.	2.0	9
3	Structure and morphology of isotactic polypropylene- <i>t</i> -polyethylene block copolymers prepared with living and stereoselective catalyst. <i>Polymer Chemistry</i> , 2022, 13, 2950-2963.	1.9	9
4	Mechanical properties of isotactic 1-butene-ethylene copolymers from Ziegler-Natta catalyst. <i>Polymer</i> , 2021, 216, 123408.	1.8	2
5	Time-resolving small angle X-Ray scattering analysis of melt crystallization of mixtures of regular and irregular isotactic polypropylene samples. <i>Polymer</i> , 2021, 215, 123411.	1.8	0
6	Microstructural insight on strain-induced crystallization of ethylene/propylene(<i>d</i>) random copolymers. <i>Polymer</i> , 2021, 227, 123848.	1.8	2
7	Mechanical Properties and Elastic Behavior of Copolymers of Syndiotactic Polypropylene with 1-Hexene and 1-Octene. <i>Macromolecules</i> , 2021, 54, 6810-6823.	2.2	3
8	Evidence of Nodular Morphology in Syndiotactic Polypropylene from the Quenched State. <i>Macromolecules</i> , 2021, 54, 7540-7551.	2.2	6
9	Double Crystallization and Phase Separation in Polyethylene- <i>t</i> -Syndiotactic Polypropylene Di-Block Copolymers. <i>Polymers</i> , 2021, 13, 2589.	2.0	7
10	Hydrophilicity and Hydrophobicity Control of Plasma-Treated Surfaces via Fractal Parameters. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100724.	1.9	14
11	Syndiotactic PLA from <i>meso</i> -LA polymerization at the Al-chiral complex: a probe of DFT mechanistic insights. <i>Chemical Communications</i> , 2021, 57, 1611-1614.	2.2	17
12	Hydrophilicity and Hydrophobicity Control of Plasma-Treated Surfaces via Fractal Parameters (Adv.) <i>Tj ETQq0 0 0 regBT /Overlock 10 Tf</i>	1.9	14
13	In-Depth Analysis of the Nonuniform Chain Microstructure of Multiblock Copolymers from Chain-Shuttling Polymerization. <i>Macromolecules</i> , 2021, 54, 10891-10902.	2.2	17
14	Curing Efficiency of Novolac-Type Phenol-Formaldehyde Resins from Viscoelastic Properties. <i>Macromolecules</i> , 2021, 54, 11372-11383.	2.2	4
15	Nanostructured dimethacrylate-based photopolymerizable systems by modification with diblock copolymers. <i>Polymer</i> , 2021, 237, 124360.	1.8	2
16	Block Copolymers-Based Nanoporous Thin Films with Tailored Morphology for Biomolecules Adsorption. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901580.	1.9	5
17	The blocky structure of Ziegler-Natta random-copolymers: myths and experimental evidence. <i>Polymer Chemistry</i> , 2020, 11, 34-38.	1.9	24
18	Tailored inclusion of semiconductor nanoparticles in nanoporous polystyrene-block-polymethyl methacrylate thin films. <i>Polymer</i> , 2020, 210, 122983.	1.8	2

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19	Semibatch Terpolymerization of Ethylene, Propylene, and 5-Ethylidene-2-norbornene: Heterogeneous High-Ethylene EPDM Thermoplastic Elastomers. <i>Macromolecules</i> , 2020, 53, 5881-5894.	2.2	24
20	Propylene-Butene Copolymers: Tailoring Mechanical Properties from Isotactic Polypropylene to Polybutene. <i>Macromolecules</i> , 2020, 53, 4407-4421.	2.2	24
21	Transmission electron microscopy analysis of multiblock ethylene/1-octene copolymers. <i>Polymer</i> , 2020, 193, 122347.	1.8	12
22	Stereoselective Lactide Polymerization: the Challenge of Chiral Catalyst Recognition. <i>ACS Catalysis</i> , 2020, 10, 2221-2225.	5.5	34
23	Generation of well relaxed all atom models of stereoregular polymers: a validation of hybrid particle-field molecular dynamics for polypropylene melts of different tacticities. <i>Soft Materials</i> , 2020, 18, 228-241.	0.8	6
24	Polymorphism in polymers: A tool to tailor material's properties. <i>Polymer Crystallization</i> , 2020, 3, e10101.	0.5	36
25	Breaking Symmetry Rules Enhance the Options for Stereoselective Propene Polymerization Catalysis. <i>Macromolecules</i> , 2020, 53, 2959-2964.	2.2	10
26	Polyolefins based crystalline block copolymers: Ordered nanostructures from control of crystallization. <i>Polymer</i> , 2020, 196, 122423.	1.8	20
27	Polymorphism and form II to form I transformation in Ziegler-Natta isotactic 1-butene-ethylene copolymers having a multiblock molecular structure. <i>Polymer</i> , 2020, 198, 122460.	1.8	6
28	Effect of stretching on the crystallization of un-crosslinked ethylene/propylene(<i>l</i> diene) random copolymers. <i>Polymer</i> , 2020, 199, 122540.	1.8	10
29	Morphology of Isotactic Polypropylene-Polyethylene Block Copolymers Driven by Controlled Crystallization. <i>Macromolecules</i> , 2020, 53, 10234-10244.	2.2	16
30	Synthesis, chain conformation and crystal structure of poly(norbornadiene) having repeating 3,5-enchaind nortricyclene units. <i>Polymer Chemistry</i> , 2019, 10, 4593-4603.	1.9	7
31	Crystallization behavior, morphology and crystal transformation of blends of isotactic Poly(1-Butene) with propene-hexene copolymer. <i>Polymer</i> , 2019, 183, 121826.	1.8	9
32	The role of alumina-zirconia loading on the mechanical and biological properties of UHMWPE for biomedical applications. <i>Composites Part B: Engineering</i> , 2019, 164, 800-808.	5.9	39
33	A General Model to Explain the Isoselectivity of Olefin Polymerization Catalysts. , 2019, , 269-285.		3
34	(Micro)structure, thermal behavior and mechanical properties of ethylene-propylene-1-octadecene terpolymers from chain-walking polymerization of 1-octadecene. <i>Polymer</i> , 2019, 166, 27-37.	1.8	23
35	Ethylene-co-norbornene Copolymerization Using a Dual Catalyst System in the Presence of a Chain Transfer Agent. <i>Polymers</i> , 2019, 11, 554.	2.0	12
36	Effects of human antimicrobial cryptides identified in apolipoprotein B depend on specific features of bacterial strains. <i>Scientific Reports</i> , 2019, 9, 6728.	1.6	28

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37	Tacticity, Regio and Stereoregularity. , 2019, , 1-35.		4
38	Solid State Polymorphism of Isotactic and Syndiotactic Polypropylene. , 2019, , 37-119.		11
39	Structure and Mechanical Properties of Ethylene/1-Octene Multiblock Copolymers from Chain Shuttling Technology. Macromolecules, 2019, 52, 2669-2680.	2.2	23
40	Crystallization Behavior of Copolymers of Isotactic Poly(1-butene) with Ethylene from Ziegler-Natta Catalyst: Evidence of the Blocky Molecular Structure. Macromolecules, 2019, 52, 9114-9127.	2.2	31
41	Two Nanoporous Crystalline Forms of Poly(2,6-dimethyl-1,4-phenylene)oxide and Related Co-Crystalline Forms. Macromolecules, 2019, 52, 9646-9656.	2.2	50
42	Mechanical Properties and Morphology of Propene-Pentene Isotactic Copolymers. Macromolecules, 2018, 51, 3030-3040.	2.2	25
43	Relationships among lamellar morphology parameters, structure and thermal behavior of isotactic propene-pentene copolymers: The role of incorporation of comonomeric units in the crystals. European Polymer Journal, 2018, 103, 251-259.	2.6	21
44	Mechanical Properties of Isotactic 1,2-Poly(E-3-methyl-1,3-pentadiene): An Example of Rubbery Elasticity below Glass Transition Temperature. Macromolecules, 2018, 51, 488-496.	2.2	9
45	Structural Investigation at Nanometric Length Scale of Ethylene/1-Octene Multiblock Copolymers from Chain-Shuttling Technology. Macromolecules, 2018, 51, 9613-9625.	2.2	18
46	Crystallization and mechanical properties of metallocene made 1-butene-pentene and 1-butene-hexene isotactic copolymers. Polymer, 2018, 158, 231-242.	1.8	27
47	A Rheological Investigation of the Crystallization Kinetics of Syndiotactic Polypropylene of Varying Degree of Tacticity. International Polymer Processing, 2018, 33, 381-386.	0.3	1
48	Synthesis and Structure of Syndiotactic Poly(3-methyl-1-butene): A Case of 3/1 Helical Conformation for Syndiotactic Polymers. Macromolecules, 2018, 51, 8574-8584.	2.2	5
49	Unveiling the molecular structure of ethylene/1-octene multi-block copolymers from chain shuttling technology. Polymer, 2018, 154, 298-304.	1.8	29
50	Crystal structures and polymorphism of polymers: Influence of defects and disorder. Polymer Crystallization, 2018, 1, e10015.	0.5	22
51	Ethylene-co-norbornene copolymerization in the presence of a chain transfer agent. European Polymer Journal, 2018, 107, 54-66.	2.6	12
52	Time-Resolving Study of Stress-Induced Transformations of Isotactic Polypropylene through Wide Angle X-ray Scattering Measurements. Polymers, 2018, 10, 162.	2.0	21
53	Perfectly Alternating Ethylene/2-Butene Copolymers by Hydrogenation of Highly Stereoregular 1,4-Poly(1,3-diene)s: Synthesis and Characterization. Macromolecules, 2017, 50, 754-761.	2.2	11
54	Controlling Size and Orientation of Lamellar Microdomains in Crystalline Block Copolymers. ACS Applied Materials & Interfaces, 2017, 9, 31252-31259.	4.0	21

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55	Deformation of Stereoirregular Isotactic Polypropylene across Length Scales. Influence of Temperature. <i>Macromolecules</i> , 2017, 50, 2856-2870.	2.2	33
56	Tailoring the properties of polypropylene in the polymerization reactor using polymeric nucleating agents as prepolymers on the Ziegler–Natta catalyst granule. <i>Polymer Chemistry</i> , 2017, 8, 655-660.	1.9	18
57	Yield behavior of random copolymers of isotactic polypropylene. <i>Polymer</i> , 2017, 129, 235-246.	1.8	21
58	Confinement of Semiconductor ZnO Nanoparticles in Block Copolymer Nanostructure. <i>Journal of Physical Chemistry C</i> , 2017, 121, 16617-16628.	1.5	8
59	Nano-in-Nano Approach for Enzyme Immobilization Based on Block Copolymers. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 29318-29327.	4.0	22
60	Combined Experimental and Theoretical Approach for Living and Isoselective Propylene Polymerization. <i>ACS Catalysis</i> , 2017, 7, 6930-6937.	5.5	46
61	Crystal Structure and Properties of Isotactic 1,2-Poly(1,3-methyl-1,3-pentadiene). <i>Macromolecules</i> , 2017, 50, 5412-5424.	2.2	4
62	The “Nodular” Form of Isotactic Polypropylene: Stiff and Strong Polypropylene with High Deformability. <i>Macromolecules</i> , 2017, 50, 5434-5446.	2.2	28
63	A hypothesis on different technological solutions for outdoor and indoor Roman wall paintings. <i>Archaeological and Anthropological Sciences</i> , 2017, 9, 591-602.	0.7	11
64	Isotactic and Syndiotactic Alternating Ethylene/Propylene Copolymers Obtained Through Non-Catalytic Hydrogenation of Highly Stereoregular cis-1,4 Poly(1,3-diene)s. <i>Molecules</i> , 2017, 22, 755.	1.7	8
65	Effects of water sorption on poly(lactic acid). <i>Polymer</i> , 2016, 99, 130-139.	1.8	22
66	Expanding the Origin of Stereocontrol in Propene Polymerization Catalysis. <i>ACS Catalysis</i> , 2016, 6, 3767-3770.	5.5	45
67	Relationships among migration properties, molecular structure and catalytic process of isotactic copolymers of propene. <i>European Polymer Journal</i> , 2016, 82, 277-289.	2.6	5
68	Molecular View of Properties of Random Copolymers of Isotactic Polypropylene. <i>Advances in Polymer Science</i> , 2016, , 45-92.	0.4	19
69	Melting and crystallization behavior of binary blends of syndiotactic polypropylenes of different stereoregularity. <i>European Polymer Journal</i> , 2016, 84, 589-601.	2.6	2
70	Mesophase Tuning in Discotic Dimers π -Conjugated Ionic Liquid Crystals through Supramolecular Interactions and the Thermal History. <i>Crystal Growth and Design</i> , 2016, 16, 5646-5656.	1.4	19
71	Relationship Between Molecular Configuration and Stress-Induced Phase Transitions. , 2016, , 287-327.		11
72	Oriented Microstructures of Crystalline–Crystalline Block Copolymers Induced by Epitaxy and Competitive and Confined Crystallization. <i>Macromolecules</i> , 2016, 49, 5576-5586.	2.2	28

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73	Tuning Ordered Pattern of Pd Species through Controlled Block Copolymer Self-Assembly. <i>Journal of Physical Chemistry B</i> , 2016, 120, 6829-6841.	1.2	6
74	Simple Theoretical Considerations for Block Copolymer-Based Plasmonic Metamaterials. <i>Macromolecular Symposia</i> , 2016, 359, 72-78.	0.4	3
75	Thermoplastic elastomers from binary blends of syndiotactic polypropylenes with different stereoregularity. <i>Polymer</i> , 2016, 85, 114-124.	1.8	8
76	Lipase immobilization for catalytic applications obtained using fumed silica deposited with MAPLE technique. <i>Applied Surface Science</i> , 2016, 374, 346-352.	3.1	11
77	Selective inclusion of chromophore molecules into poly(styrene- <i>b</i> -methylmethacrylate) block copolymer nanodomains: a study of morphological, optical and electrical properties. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 73, 634-640.	1.1	3
78	Crystallization behavior and mechanical properties of copolymers of isotactic poly(1-butene) with 1-octene from metallocene catalysts. <i>Polymer</i> , 2015, 73, 156-169.	1.8	27
79	Crystallization of Alternating Limonene Oxide/Carbon Dioxide Copolymers: Determination of the Crystal Structure of Stereocomplex Poly(limonene carbonate). <i>Macromolecules</i> , 2015, 48, 2534-2550.	2.2	49
80	Toward hyperuniform disordered plasmonic nanostructures for reproducible surface-enhanced Raman spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 8061-8069.	1.3	60
81	Structure of Isotactic Ethylene/4-Methyl-1,3-pentadiene Alternating Copolymers Obtained from Postmetallocene Catalysts. <i>Macromolecules</i> , 2015, 48, 6931-6940.	2.2	3
82	Crystal Structure of Isotactic Poly((<i>R</i>)-3-methyl-1-pentene). <i>Macromolecules</i> , 2015, 48, 5251-5266.	2.2	7
83	Chirality, entropy and crystallization in polymers: isotactic poly(3-methyl-1-pentene) as an example of influence of chirality and entropy on the crystal structure. <i>CrystEngComm</i> , 2015, 17, 6006-6013.	1.3	6
84	Structure-property relationships in polyethylene based films obtained by blow molding as model system of industrial relevance. <i>European Polymer Journal</i> , 2015, 62, 97-107.	2.6	17
85	Control on titania nanostructure by combining block copolymer assisted sol-gel synthesis with rapid flux solvent atmosphere treatment. <i>European Polymer Journal</i> , 2014, 59, 270-281.	2.6	4
86	Crystallization of the mesomorphic form and control of the molecular structure for tailoring the mechanical properties of isotactic polypropylene. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014, 52, 677-699.	2.4	37
87	Rapid-flux-solvent-atmosphere method for tailoring the morphology of titania substrates over a large area via direct self-assembly of block copolymers. <i>RSC Advances</i> , 2014, 4, 16721-16725.	1.7	4
88	Mechanical Properties and Stress-Induced Phase Transformations of Metallocene Isotactic Poly(1-butene): The Influence of Stereodefects. <i>Macromolecules</i> , 2014, 47, 1053-1064.	2.2	55
89	Polymorphic Behavior and Mechanical Properties of Isotactic 1-Butene-Ethylene Copolymers from Metallocene Catalysts. <i>Macromolecules</i> , 2014, 47, 4317-4329.	2.2	72
90	Stability and phase transformations of the mesomorphic form of isotactic polypropylene in stereodeficient polypropylene. <i>European Polymer Journal</i> , 2013, 49, 3590-3600.	2.6	22

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91	Relations between Stereoregularity and Melt Viscoelasticity of Syndiotactic Polypropylene. <i>Macromolecules</i> , 2013, 46, 7940-7946.	2.2	26
92	Crystal Polymorphism and Crystal Transformations of Isotactic Poly(5-methylhexene-1). <i>Macromolecules</i> , 2013, 46, 4872-4881.	2.2	4
93	Morphology and Mechanical Properties of the Mesomorphic Form of Isotactic Polypropylene in Stereodeficient Polypropylene. <i>Macromolecules</i> , 2013, 46, 5202-5214.	2.2	53
94	Small Angle X-ray Scattering Investigation of Norbornene-Terminated Syndiotactic Polypropylene and Corresponding Comb-Like Poly(macromonomer). <i>Journal of Physical Chemistry B</i> , 2013, 117, 10320-10333.	1.2	9
95	Nanocomposites from Block Copolymer Lamellar Nanostructures and Selective Gold Deposition. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 5215-5220.	0.9	4
96	Tailoring Mechanical Properties of Isotactic Polypropylene Via Crystallization of the Mesophase and Control of Stereodefects Concentration. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 1951-1964.	1.1	21
97	The Role of Shape and Size of Guest Molecules in the Formation of Clathrates and Intercalates of Syndiotactic Polystyrene. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 1901-1911.	1.1	20
98	Synthesis and Ring-Opening Metathesis Polymerization of Norbornene-Terminated Syndiotactic Polypropylene. <i>Macromolecules</i> , 2012, 45, 7863-7877.	2.2	32
99	Crystal Structure of the Trigonal Form of Isotactic Propylene- <i>n</i> -Pentene Copolymers: An Example of the Principle of Entropy-Driven Density Driven Phase Formation in Polymers. <i>Macromolecules</i> , 2012, 45, 2749-2763.	2.2	37
100	Mesomorphic form of isotactic polypropylene in stereodeficient polypropylene: Solid mesophase or liquid-crystal like structure. <i>Polymer</i> , 2012, 53, 2422-2428.	1.8	36
101	The Deformability of Polymers: The Role of Disordered Mesomorphic Crystals and Stress-Induced Phase Transformations. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1207-1211.	7.2	26
102	Crystallization Behavior of Propylene- <i>n</i> -Butene Copolymers: The Trigonal Form of Isotactic Polypropylene and Form I of Isotactic Poly(1-butene). <i>Macromolecules</i> , 2011, 44, 540-549.	2.2	76
103	Stem Tilt in β -Form Single Crystals of Isotactic Polypropylene: A Manifestation of Conformational Constraints Set by Stereochemistry and Minimized Fold Encumbrance. <i>Macromolecules</i> , 2011, 44, 3916-3923.	2.2	17
104	Single site metallorganic polymerization catalysis as a method to probe the properties of polyolefins. <i>Polymer Chemistry</i> , 2011, 2, 2155.	1.9	34
105	Tailoring the Mechanical Properties of Isotactic Polypropylene by Blending Samples with Different Stereoregularity. <i>Macromolecules</i> , 2011, 44, 6026-6038.	2.2	17
106	Selective gold deposition on a nanostructured block copolymer film crystallized by epitaxy. <i>Nano Research</i> , 2011, 4, 241-248.	5.8	13
107	Enabling Strategies in Organic Electronics Using Ordered Block Copolymer Nanostructures. <i>Advanced Materials</i> , 2010, 22, 5414-5419.	11.1	53
108	Reactive blending as a tool for obtaining poly(ethylene terephthalate)-based engineering materials with tailored properties. <i>Polymer</i> , 2010, 51, 4340-4350.	1.8	21

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109	The relationship between catalyst precursors and chain end groups in homogeneous propene polymerization catalysis. <i>Journal of Polymer Science Part A</i> , 2010, 48, 699-708.	2.5	16
110	Theoretical Investigation of Nano-Scale Organization in Blends of Semicrystalline/Semicrystalline Polymers by Small Angle X-ray Scattering. <i>Macromolecules</i> , 2010, 43, 9787-9801.	2.2	9
111	A New Mesophase of Isotactic Polypropylene in Copolymers of Propylene with Long Branched Comonomers. <i>Macromolecules</i> , 2010, 43, 8559-8569.	2.2	31
112	Structure and Morphology of Syndiotactic Poly(propene-co-1-butene)s with 1-Butene as a Rich Component. <i>Macromolecules</i> , 2010, 43, 1449-1454.	2.2	14
113	Helical Mesophase of Syndiotactic Polypropylene in Copolymers with 1-Hexene and 1-Octene. <i>Macromolecules</i> , 2010, 43, 9802-9809.	2.2	7
114	Metalloorganic Polymerization Catalysis as a Tool To Probe Crystallization Properties of Polymers: The Case of Isotactic Poly(1-butene). <i>Angewandte Chemie - International Edition</i> , 2009, 48, 9871-9874.	7.2	48
115	The Harmony of Helical Macromolecules. <i>Macromolecules</i> , 2009, 42, 5179-5188.	2.2	5
116	Crystallization Properties and Polymorphic Behavior of Isotactic Poly(1-Butene) from Metallocene Catalysts: The Crystallization of Form I from the Melt. <i>Macromolecules</i> , 2009, 42, 8286-8297.	2.2	107
117	Stress-Induced Polymorphic Transformations and Mechanical Properties of Isotactic Propylene-Hexene Copolymers. <i>Crystal Growth and Design</i> , 2009, 9, 165-176.	1.4	44
118	Epitaxially Dominated Crystalline Morphologies of the β^3 -Phase in Isotactic Polypropylene. <i>Macromolecules</i> , 2009, 42, 4758-4768.	2.2	33
119	Mechanical Properties and Elastic Behavior of Syndiotactic Propene-Butene Copolymers. <i>Macromolecules</i> , 2009, 42, 4728-4738.	2.2	14
120	Theoretical investigation of $(MgCl_2)_x$ polynuclear species formed during preparation of $MgCl_2$ -supported Ziegler-Natta catalysts from solid solvates. <i>Journal of Applied Crystallography</i> , 2008, 41, 68-82.	1.9	15
121	Non-Standard Transverse Deformation of a Crystalline Lattice Induced by the Application of Tensile Stress. <i>Macromolecular Materials and Engineering</i> , 2008, 293, 810-814.	1.7	4
122	The Double Role of Comonomers on the Crystallization Behavior of Isotactic Polypropylene: Propylene-Hexene Copolymers. <i>Macromolecules</i> , 2008, 41, 2172-2177.	2.2	59
123	Time-Resolving Analysis of Cryotropic Gelation of Water/Poly(vinyl alcohol) Solutions via Small-Angle Neutron Scattering. <i>Journal of Physical Chemistry B</i> , 2008, 112, 816-823.	1.2	25
124	A New Crystalline Form of Syndiotactic Poly(1-butene): Crystal Structure of Form I ² . <i>Macromolecules</i> , 2008, 41, 5301-5306.	2.2	11
125	Stress-Induced Phase Transitions in Syndiotactic Propene-Butene Copolymers. <i>Macromolecules</i> , 2008, 41, 8712-8720.	2.2	19
126	Phase Diagram of Syndiotactic Polypropylene: Influence of Stereoregularity and Temperature on the Polymorphic Behavior. <i>Macromolecules</i> , 2007, 40, 611-622.	2.2	16

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127	Structure of Isotactic Propylene ² -Pentene Copolymers. <i>Macromolecules</i> , 2007, 40, 8531-8532.	2.2	56
128	Mesoscopic and Microscopic Investigation on Poly(vinyl alcohol) Hydrogels in the Presence of Sodium Decylsulfate. <i>Journal of Physical Chemistry B</i> , 2007, 111, 2166-2173.	1.2	15
129	Crystallization Behavior of Isotactic Propylene ² -Ethylene and Propylene ² -Butene Copolymers: Effect of Comonomers versus Stereodefects on Crystallization Properties of Isotactic Polypropylene. <i>Macromolecules</i> , 2007, 40, 6600-6616.	2.2	129
130	Tailoring the Physical Properties of Isotactic Polypropylene through Incorporation of Comonomers and the Precise Control of Stereo- and Regioregularity by Metallocene Catalysts. <i>Chemistry of Materials</i> , 2007, 19, 5122-5130.	3.2	110
131	Polymorphic Superelasticity in Semicrystalline Polymers. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4325-4328.	7.2	36
132	Stereoblock Polypropylene as a Prototype Example of Elasticity via a Flip-Flop Reorientation of Crystals in a Compliant Matrix. <i>Advanced Materials</i> , 2007, 19, 871-874.	11.1	16
133	Formation of (MgCl ₂) _x Polynuclear Species During Preparation of Active MgCl ₂ Supported Ziegler-Natta Catalysts from Solid Solvates with Lewis Bases. <i>Chemistry of Materials</i> , 2007, 19, 5803-5805.	3.2	21
134	Stress-Induced Phase Transitions in Metallocene-Made Isotactic Polypropylene. , 2007, , 345-371.		24
135	A Microscopic Insight into the Deformation Behavior of Semicrystalline Polymers: The Role of Phase Transitions. <i>Physical Review Letters</i> , 2006, 96, 167801.	2.9	50
136	A Study of the Microstructural and Diffusion Properties of Poly(vinyl alcohol) Cryogels Containing Surfactant Supramolecular Aggregates. <i>Journal of Physical Chemistry B</i> , 2006, 110, 23031-23040.	1.2	19
137	Mechanical Properties of Syndiotactic Propylene ² -Ethylene Copolymers. <i>Macromolecules</i> , 2006, 39, 249-256.	2.2	22
138	Stretching Isotactic Polypropylene: From α -Cross ² to Crosshatches, from β^3 Form to β^{\pm} Form. <i>Macromolecules</i> , 2006, 39, 7635-7647.	2.2	75
139	Structural-Mechanical Phase Diagram of Isotactic Polypropylene. <i>Journal of the American Chemical Society</i> , 2006, 128, 11024-11025.	6.6	110
140	Crystals and Crystallinity in Polymeric Materials. <i>Accounts of Chemical Research</i> , 2006, 39, 314-323.	7.6	56
141	Crystal Structure of the Trigonal Form of Isotactic Polypropylene as an Example of Density-Driven Polymer Structure. <i>Journal of the American Chemical Society</i> , 2006, 128, 80-81.	6.6	75
142	Slow Crystallization Kinetics of Poly(vinyl alcohol) in Confined Environment during Cryotropic Gelation of Aqueous Solutions. <i>Macromolecules</i> , 2006, 39, 9429-9434.	2.2	40
143	The Role of Crystals in the Elasticity of Semicrystalline Thermoplastic Elastomers. <i>Chemistry of Materials</i> , 2006, 18, 3523-3530.	3.2	25
144	Crystal Structure of Isotactic Propylene ² -Hexene Copolymers: The Trigonal Form of Isotactic Polypropylene. <i>Macromolecules</i> , 2006, 39, 6098-6109.	2.2	87

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