

Claudio De Rosa

List of Publications by Year in descending order

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289
papers

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	X-ray Diffraction Analysis of Poly(vinyl alcohol) Hydrogels, Obtained by Freezing and Thawing Techniques. <i>Macromolecules</i> , 2004, 37, 1921-1927.	4.8	563
2	Polymorphism in melt crystallized syndiotactic polystyrene samples. <i>Macromolecules</i> , 1990, 23, 1539-1544.	4.8	507
3	Microdomain patterns from directional eutectic solidification and epitaxy. <i>Nature</i> , 2000, 405, 433-437.	27.8	363
4	Crystal Structure of the Emptied Clathrate Form (β' Form) of Syndiotactic Polystyrene. <i>Macromolecules</i> , 1997, 30, 4147-4152.	4.8	332
5	On the crystal structure of the orthorhombic form of syndiotactic polystyrene. <i>Polymer</i> , 1992, 33, 1423-1428.	3.8	252
6	Crystal structure of syndiotactic polypropylene. <i>Macromolecules</i> , 1993, 26, 5711-5718.	4.8	205
7	Structure-Property Correlations in Polypropylene from Metallocene Catalysts: A Stereodeficient, Regioregular Isotactic Polypropylene. <i>Journal of the American Chemical Society</i> , 2004, 126, 17040-17049.	13.7	201
8	Investigation of the Crystallinity of Freeze/Thaw Poly(vinyl alcohol) Hydrogels by Different Techniques. <i>Macromolecules</i> , 2004, 37, 9510-9516.	4.8	201
9	Crystal structure of the clathrate β' form of syndiotactic polystyrene containing 1,2-dichloroethane. <i>Polymer</i> , 1999, 40, 2103-2110.	3.8	192
10	Crystal Structure of the β' -Form of Syndiotactic Polystyrene. <i>Polymer Journal</i> , 1991, 23, 1435-1442.	2.7	170
11	Structure and physical properties of syndiotactic polypropylene: A highly crystalline thermoplastic elastomer. <i>Progress in Polymer Science</i> , 2006, 31, 145-237.	24.7	161
12	On the structure of the quenched mesomorphic phase of isotactic polypropylene. <i>Macromolecules</i> , 1986, 19, 2699-2703.	4.8	150
13	Crystallization of Metallocene-Made Isotactic Polypropylene: A Disordered Modification Intermediate between the β' and β^3 Forms. <i>Macromolecules</i> , 2002, 35, 9057-9068.	4.8	144
14	Structural changes induced by thermal treatments on emptied and filled clathrates of syndiotactic polystyrene. <i>Macromolecular Chemistry and Physics</i> , 1995, 196, 2795-2808.	2.2	132
15	Crystallization Behavior of Isotactic Propylene- <i>n</i> -Ethylene and Propylene- <i>n</i> -Butene Copolymers: Effect of Comonomers versus Stereodefects on Crystallization Properties of Isotactic Polypropylene. <i>Macromolecules</i> , 2007, 40, 6600-6616.	4.8	129
16	Crystal Structure of the Trigonal Modification (β' Form) of Syndiotactic Polystyrene. <i>Macromolecules</i> , 1996, 29, 8460-8465.	4.8	122
17	Thermoplastic Molecular Sieves. <i>Chemistry of Materials</i> , 2000, 12, 363-368.	6.7	116
18	Disordered Polymorphic Modifications of Form I of Syndiotactic Polypropylene. <i>Macromolecules</i> , 1997, 30, 4137-4146.	4.8	115

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19	Structural~Mechanical Phase Diagram of Isotactic Polypropylene. Journal of the American Chemical Society, 2006, 128, 11024-11025.	13.7	110
20	Tailoring the Physical Properties of Isotactic Polypropylene through Incorporation of Comonomers and the Precise Control of Stereo- and Regioregularity by Metallocene Catalysts. Chemistry of Materials, 2007, 19, 5122-5130.	6.7	110
21	Structural Organization of Poly(vinyl alcohol) Hydrogels Obtained by Freezing and Thawing Techniques:~A SANS Study. Chemistry of Materials, 2005, 17, 1183-1189.	6.7	107
22	Crystallization Properties and Polymorphic Behavior of Isotactic Poly(1-Butene) from Metallocene Catalysts: The Crystallization of Form I from the Melt. Macromolecules, 2009, 42, 8286-8297.	4.8	107
23	Crystalline order and melting behavior of isotactic polypropylene ($\hat{I}\pm$ form). Journal of Polymer Science, Polymer Physics Edition, 1984, 22, 1029-1039.	1.0	106
24	Mesomorphic form of syndiotactic polystyrene as composed of small imperfect crystals of the hexagonal (α) crystalline form. Macromolecules, 1993, 26, 3772-3777.	4.8	102
25	Comparison between Polymorphic Behaviors of Ziegler~Natta and Metallocene-Made Isotactic Polypropylene:~The Role of the Distribution of Defects in the Polymer Chains. Macromolecules, 2004, 37, 1441-1454.	4.8	99
26	Crystallization of the $\hat{I}\pm$ and \hat{I}^3 Forms of Isotactic Polypropylene as a Tool To Test the Degree of Segregation of Defects in the Polymer Chains. Macromolecules, 2002, 35, 3622-3629.	4.8	95
27	Large Area Orientation of Block Copolymer Microdomains in Thin Films via Directional Crystallization of a Solvent. Macromolecules, 2001, 34, 2602-2606.	4.8	94
28	Crystal Structure of Form I of Syndiotactic Polypropylene. Macromolecules, 1996, 29, 7452-7459.	4.8	92
29	Mesomorphic Form of Syndiotactic Polypropylene. Macromolecules, 2000, 33, 6200-6204.	4.8	92
30	Chirality Constraints in Crystal~Crystal Transformations:~Isotactic Poly(1-butene) versus Syndiotactic Polypropylene. Macromolecules, 1998, 31, 9253-9257.	4.8	89
31	Evaluation by Fourier Transform Infrared Spectroscopy of the different crystalline forms in syndiotactic polystyrene samples. Journal of Polymer Science, Part B: Polymer Physics, 1997, 35, 1055-1066.	2.1	88
32	On the Form II of Syndiotactic Polypropylene. Macromolecules, 1998, 31, 7430-7435.	4.8	88
33	Control of Molecular and Microdomain Orientation in a Semicrystalline Block Copolymer Thin Film by Epitaxy. Macromolecules, 2000, 33, 4871-4876.	4.8	88
34	Short Time Dynamics of Solvent Molecules and Supramolecular Organization of Poly (vinyl alcohol) Hydrogels Obtained by Freeze/Thaw Techniques. Macromolecules, 2005, 38, 6629-6639.	4.8	88
35	Crystal Structure of Isotactic Propylene~Hexene Copolymers:~The Trigonal Form of Isotactic Polypropylene. Macromolecules, 2006, 39, 6098-6109.	4.8	87
36	Effects of blending on the polymorphic behavior of melt-crystallized syndiotactic polystyrene. Journal of Polymer Science, Part B: Polymer Physics, 1991, 29, 265-271.	2.1	80

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37	Crystallization Behavior and Mechanical Properties of Regiodefective, Highly Stereoregular Isotactic Polypropylene: A Effect of Regiodefects versus Stereodeflects and Influence of the Molecular Mass. <i>Macromolecules</i> , 2005, 38, 9143-9154.	4.8	80
38	Origin of the Elastic Behavior of Syndiotactic Polypropylene. <i>Macromolecules</i> , 2001, 34, 4485-4491.	4.8	78
39	On the structure of the mesomorphic form of syndiotactic polystyrene. <i>Die Makromolekulare Chemie</i> , 1993, 194, 1335-1345.	1.1	77
40	Crystallization Behavior of Propylene-Butene Copolymers: The Trigonal Form of Isotactic Polypropylene and Form I of Isotactic Poly(1-butene). <i>Macromolecules</i> , 2011, 44, 540-549.	4.8	76
41	Stretching Isotactic Polypropylene: From β to Crosshatches, from β Form to α Form. <i>Macromolecules</i> , 2006, 39, 7635-7647.	4.8	75
42	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.	13.7	75
43	From stiff plastic to elastic polypropylene: Polymorphic transformations during plastic deformation of metallocene-made isotactic polypropylene. <i>Polymer</i> , 2005, 46, 9461-9475.	3.8	73
44	The Oriented β Form of Isotactic Polypropylene. <i>Macromolecules</i> , 2001, 34, 4815-4826.	4.8	72
45	Polymorphic Behavior and Mechanical Properties of Isotactic 1-Butene-Ethylene Copolymers from Metallocene Catalysts. <i>Macromolecules</i> , 2014, 47, 4317-4329.	4.8	72
46	Analysis of the disorder occurring in the crystal structure of syndiotactic polypropylene. <i>Macromolecules</i> , 1993, 26, 5719-5725.	4.8	68
47	Solid Mesophases in Semicrystalline Polymers: Structural Analysis by Diffraction Techniques. <i>Advances in Polymer Science</i> , 2005, , 1-74.	0.8	68
48	Double textured cylindrical block copolymer domains via directional solidification on a topographically patterned substrate. <i>Applied Physics Letters</i> , 2001, 79, 848-850.	3.3	65
49	New Concepts in Thermoplastic Elastomers: The Case of Syndiotactic Polypropylene, an Unconventional Elastomer with High Crystallinity and Large Modulus. <i>Journal of the American Chemical Society</i> , 2003, 125, 13143-13147.	13.7	64
50	Structure and Properties of Elastomeric Polypropylene from C ₂ and C _{2v} -Symmetric Zirconocenes. The Origin of Crystallinity and Elastic Properties in Poorly Isotactic Polypropylene. <i>Macromolecules</i> , 2004, 37, 6843-6855.	4.8	64
51	Solid-State ¹³ C-NMR Investigation of the Disorder in Crystalline Syndiotactic Polypropylene. <i>Macromolecules</i> , 1995, 28, 6902-6910.	4.8	63
52	Conditions for the α - β transition in isotactic polypropylene samples. <i>European Polymer Journal</i> , 1984, 20, 937-941.	5.4	62
53	Extrapolation to the equilibrium melting temperature for isotactic polypropylene. <i>Macromolecules</i> , 1985, 18, 813-814.	4.8	61
54	Toward hyperuniform disordered plasmonic nanostructures for reproducible surface-enhanced Raman spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 8061-8069.	2.8	60

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55	The Double Role of Comonomers on the Crystallization Behavior of Isotactic Polypropylene: α -Propylene- β -Hexene Copolymers. <i>Macromolecules</i> , 2008, 41, 2172-2177.	4.8	59
56	Effects of p-Methylstyrene Comonomeric Units on the Polymorphic Behavior of Syndiotactic Polystyrene. <i>Macromolecules</i> , 1995, 28, 6508-6515.	4.8	58
57	Crystallization from the melt of β and β' forms of syndiotactic polystyrene. <i>Polymer</i> , 2003, 44, 1861-1870.	3.8	56
58	Crystals and Crystallinity in Polymeric Materials. <i>Accounts of Chemical Research</i> , 2006, 39, 314-323.	15.6	56
59	Structure of Isotactic Propylene- β -Pentene Copolymers. <i>Macromolecules</i> , 2007, 40, 8531-8532.	4.8	56
60	Structural Disorder in the β Form of Isotactic Polypropylene. <i>Macromolecules</i> , 2000, 33, 8764-8774.	4.8	55
61	Mechanical Properties and Stress-Induced Phase Transformations of Metallocene Isotactic Poly(1-butene): The Influence of Stereodefects. <i>Macromolecules</i> , 2014, 47, 1053-1064.	4.8	55
62	On the mesomorphic form of poly(ethylene terephthalate). <i>Macromolecules</i> , 1992, 25, 2490-2497.	4.8	54
63	Equilibrium Melting Temperature of Syndiotactic Polypropylene. <i>Macromolecules</i> , 1998, 31, 6206-6210.	4.8	53
64	Enabling Strategies in Organic Electronics Using Ordered Block Copolymer Nanostructures. <i>Advanced Materials</i> , 2010, 22, 5414-5419.	21.0	53
65	Morphology and Mechanical Properties of the Mesomorphic Form of Isotactic Polypropylene in Stereodeficient Polypropylene. <i>Macromolecules</i> , 2013, 46, 5202-5214.	4.8	53
66	Influence of an Oriented Glassy Cylindrical Microdomain Structure on the Morphology of Crystallizing Lamellae in a Semicrystalline Block Terpolymer. <i>Macromolecules</i> , 2000, 33, 7931-7938.	4.8	51
67	Different solvent stability of the crystalline polymorphic forms of syndiotactic polystyrene. <i>Journal of Materials Science Letters</i> , 1991, 10, 1084-1087.	0.5	50
68	Phase transition from a C-centered to a B-centered orthorhombic crystalline form of syndiotactic poly(propylene). <i>Macromolecular Chemistry and Physics</i> , 1995, 196, 4011-4024.	2.2	50
69	A Microscopic Insight into the Deformation Behavior of Semicrystalline Polymers: The Role of Phase Transitions. <i>Physical Review Letters</i> , 2006, 96, 167801.	7.8	50
70	Two Nanoporous Crystalline Forms of Poly(2,6-dimethyl-1,4-phenylene)oxide and Related Co-Crystalline Forms. <i>Macromolecules</i> , 2019, 52, 9646-9656.	4.8	50
71	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.	4.8	49
72	Physico-chemical and structural characterization of ethylene-propene copolymers with low ethylene content from isotactic-specific Ziegler-Natta catalysts. <i>European Polymer Journal</i> , 1985, 21, 239-244.	5.4	48

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73	Conformational and packing energy of the crystalline $\hat{\pm}$ modification of syndiotactic polystyrene. <i>European Polymer Journal</i> , 1994, 30, 1173-1177.	5.4	48
74	Synthesis and Characterization of High-Molecular-Weight Syndiotactic Amorphous Polypropylene. <i>Journal of the American Chemical Society</i> , 2003, 125, 10913-10920.	13.7	48
75	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.	13.8	48
76	Structure and Properties of Poly(vinyl alcohol) Hydrogels Obtained by Freeze/Thaw Techniques. <i>Macromolecular Symposia</i> , 2005, 222, 49-64.	0.7	47
77	Elastic Properties and Polymorphic Behavior of Fibers of Syndiotactic Polypropylene at Different Temperatures. <i>Macromolecules</i> , 2002, 35, 9083-9095.	4.8	46
78	Influence of Chain Microstructure on the Crystallization Kinetics of Metallocene-Made Isotactic Polypropylene. <i>Macromolecules</i> , 2005, 38, 10080-10088.	4.8	46
79	Combined Experimental and Theoretical Approach for Living and Ioselective Propylene Polymerization. <i>ACS Catalysis</i> , 2017, 7, 6930-6937.	11.2	46
80	Polymorphism in syndiotactic polystyrene: a proton NMR relaxation study. <i>Macromolecules</i> , 1992, 25, 3874-3880.	4.8	45
81	Stereoblock Polypropylene from a Metallocene Catalyst with a Hapto-Flexible Naphthyl ^π Indenyl Ligand. <i>Macromolecules</i> , 2003, 36, 3465-3474.	4.8	45
82	Expanding the Origin of Stereocontrol in Propene Polymerization Catalysis. <i>ACS Catalysis</i> , 2016, 6, 3767-3770.	11.2	45
83	Structural Characterization of Syndiotactic Copolymers of Propene with 1-Butene. <i>Macromolecules</i> , 1998, 31, 9109-9115.	4.8	44
84	Stress-Induced Polymorphic Transformations and Mechanical Properties of Isotactic Propylene-Hexene Copolymers. <i>Crystal Growth and Design</i> , 2009, 9, 165-176.	3.0	44
85	Polymorphism and chain conformations in the crystalline forms of syndiotactic poly(1-butene). <i>Macromolecules</i> , 1991, 24, 5645-5650.	4.8	43
86	Molecular and Microdomain Orientation in Semicrystalline Block Copolymer Thin Films by Directional Crystallization of the Solvent and Epitaxy. <i>Macromolecular Chemistry and Physics</i> , 2003, 204, 1514-1523.	2.2	43
87	Title is missing!. <i>Die Makromolekulare Chemie Rapid Communications</i> , 1984, 5, 631-634.	1.1	42
88	On the form IV of syndiotactic polypropylene. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1998, 36, 395-402.	2.1	42
89	Alteration of Classical Microdomain Patterns of Block Copolymers by Degenerate Epitaxy. <i>Advanced Materials</i> , 2001, 13, 724-728.	21.0	42
90	Time-Resolved Study of the Martensitic Phase Transition in Syndiotactic Polypropylene. <i>Macromolecules</i> , 2003, 36, 9396-9410.	4.8	41

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91	Slow Crystallization Kinetics of Poly(vinyl alcohol) in Confined Environment during Cryotropic Gelation of Aqueous Solutions. <i>Macromolecules</i> , 2006, 39, 9429-9434.	4.8	40
92	Polymorphism of syndiotactic poly(p-methylstyrene): oriented samples. <i>Polymer</i> , 1996, 37, 5247-5253.	3.8	39
93	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.	12.0	39
94	Solid-State ¹³ C Nuclear Magnetic Resonance Spectra of Four Crystalline Forms of Isotactic Poly(4-methyl-1-pentene). <i>Macromolecules</i> , 1997, 30, 8322-8331.	4.8	38
95	Polymorphism of syndiotactic polypropylene in copolymers of propylene with ethylene and 1-butene. <i>Polymer</i> , 1998, 39, 6219-6226.	3.8	37
96	Crystal Structure of the Trigonal Form of Isotactic Propylene- ϵ -Pentene Copolymers: An Example of the Principle of Entropy-Driven Phase Formation in Polymers. <i>Macromolecules</i> , 2012, 45, 2749-2763.	4.8	37
97	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.	2.1	37
98	Crystal Structure of the Clathrate Form of Syndiotactic Poly(p-methylstyrene) Containing Tetrahydrofuran. <i>Macromolecules</i> , 1998, 31, 5830-5836.	4.8	36
99	Polymorphic Superelasticity in Semicrystalline Polymers. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4325-4328.	13.8	36
100	Mesomorphic form of isotactic polypropylene in stereodeficient polypropylene: Solid mesophase or liquid-crystal like structure. <i>Polymer</i> , 2012, 53, 2422-2428.	3.8	36
101	Polymorphism in polymers: A tool to tailor material's properties. <i>Polymer Crystallization</i> , 2020, 3, e10101.	0.8	36
102	Influence of the stereoregularity on the crystallization of the trans planar mesomorphic form of syndiotactic polypropylene. <i>Polymer</i> , 2001, 42, 9729-9734.	3.8	35
103	Crystal Structure of Form III and the Polymorphism of Isotactic Poly(4-methylpentene-1). <i>Macromolecules</i> , 1994, 27, 3864-3868.	4.8	34
104	Crystal Structure of the Isotactic Alternate Copolymer between Carbon Monoxide and Styrene. <i>Macromolecules</i> , 1996, 29, 1535-1539.	4.8	34
105	Single site metallorganic polymerization catalysis as a method to probe the properties of polyolefins. <i>Polymer Chemistry</i> , 2011, 2, 2155.	3.9	34
106	Stereoselective Lactide Polymerization: the Challenge of Chiral Catalyst Recognition. <i>ACS Catalysis</i> , 2020, 10, 2221-2225.	11.2	34
107	Kink Bands in Form II of Syndiotactic Polypropylene. <i>Macromolecules</i> , 1997, 30, 6586-6591.	4.8	33
108	Epitaxially Dominated Crystalline Morphologies of the β -Phase in Isotactic Polypropylene. <i>Macromolecules</i> , 2009, 42, 4758-4768.	4.8	33

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109	Deformation of Stereoirregular Isotactic Polypropylene across Length Scales. Influence of Temperature. <i>Macromolecules</i> , 2017, 50, 2856-2870.	4.8	33
110	Synthesis and Ring-Opening Metathesis Polymerization of Norbornene-Terminated Syndiotactic Polypropylene. <i>Macromolecules</i> , 2012, 45, 7863-7877.	4.8	32
111	Recrystallization kinetics of isotactic polypropylene (α -form). <i>Polymer</i> , 1984, 25, 1462-1464.	3.8	31
112	A New Mesophase of Isotactic Polypropylene in Copolymers of Propylene with Long Branched Comonomers. <i>Macromolecules</i> , 2010, 43, 8559-8569.	4.8	31
113	Crystallization Behavior of Copolymers of Isotactic Poly(1-butene) with Ethylene from Ziegler-Natta Catalyst: Evidence of the Blocky Molecular Structure. <i>Macromolecules</i> , 2019, 52, 9114-9127.	4.8	31
114	Crystal structure of the form I of syndiotactic poly(1-butene). <i>Die Makromolekulare Chemie</i> , 1992, 193, 1351-1358.	1.1	30
115	Polymorphism of Syndiotactic Poly(m-methylstyrene). <i>Macromolecules</i> , 2001, 34, 7349-7354.	4.8	30
116	Mechanical Properties and Elastic Behavior of High-Molecular-Weight Poorly Syndiotactic Polypropylene. <i>Macromolecules</i> , 2003, 36, 7607-7617.	4.8	30
117	Crystal Structure of Form II of Isotactic Poly(4-methyl-1-pentene). <i>Macromolecules</i> , 2003, 36, 6087-6094.	4.8	30
118	Structure and Physical Properties of Syndiotactic Polypropylene from Living Polymerization with Bis(phenoxyimine)-Based Titanium Catalysts. <i>Macromolecules</i> , 2004, 37, 9034-9047.	4.8	30
119	Conformational and packing energy calculations on the two crystalline modifications of poly (trans-1,4-butadiene). <i>Polymer</i> , 1985, 26, 2039-2042.	3.8	29
120	Unveiling the molecular structure of ethylene/1-octene multi-block copolymers from chain shuttling technology. <i>Polymer</i> , 2018, 154, 298-304.	3.8	29
121	Oriented Microstructures of Crystalline-Crystalline Block Copolymers Induced by Epitaxy and Competitive and Confined Crystallization. <i>Macromolecules</i> , 2016, 49, 5576-5586.	4.8	28
122	The α -Nodular α -Form of Isotactic Polypropylene: Stiff and Strong Polypropylene with High Deformability. <i>Macromolecules</i> , 2017, 50, 5434-5446.	4.8	28
123	Effects of human antimicrobial cryptides identified in apolipoprotein B depend on specific features of bacterial strains. <i>Scientific Reports</i> , 2019, 9, 6728.	3.3	28
124	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.	3.8	27
125	Crystallization and mechanical properties of metallocene made 1-butene-pentene and 1-butene-hexene isotactic copolymers. <i>Polymer</i> , 2018, 158, 231-242.	3.8	27
126	Influence of constitutional defects on polymorphic behaviour and properties of alternating ethylene-tetrafluoroethylene copolymer. <i>Polymer</i> , 1995, 36, 967-973.	3.8	26

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127	Crystal Structure of Form III of Syndiotactic Poly(p-methylstyrene). <i>Macromolecules</i> , 1995, 28, 5507-5511.	4.8	26
128	Influence of the quenching temperature on the crystallization of the trans-planar mesomorphic form of syndiotactic polypropylene. <i>Polymer</i> , 2003, 44, 6267-6272.	3.8	26
129	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.	13.8	26
130	Relations between Stereoregularity and Melt Viscoelasticity of Syndiotactic Polypropylene. <i>Macromolecules</i> , 2013, 46, 7940-7946.	4.8	26
131	The Role of Crystals in the Elasticity of Semicrystalline Thermoplastic Elastomers.. <i>Chemistry of Materials</i> , 2006, 18, 3523-3530.	6.7	25
132	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.	2.6	25
133	Mechanical Properties and Morphology of Propene- <i>l</i> -Pentene Isotactic Copolymers. <i>Macromolecules</i> , 2018, 51, 3030-3040.	4.8	25
134	Crystal Structure of the Clathrate Form of Syndiotactic Poly(p-methylstyrene) Containing <i>o</i> -Dichlorobenzene. <i>Macromolecules</i> , 2000, 33, 2610-2615.	4.8	24
135	Crystallization properties of elastomeric polypropylene from alumina-supported tetraalkyl zirconium catalysts. <i>Polymer</i> , 2004, 45, 5875-5888.	3.8	24
136	Structure and Polymorphic Behavior of High Molecular Weight Poorly Syndiotactic Polypropylene. <i>Macromolecules</i> , 2004, 37, 1422-1430.	4.8	24
137	The blocky structure of Ziegler- <i>Natta</i> <i>co</i> -random copolymers: myths and experimental evidence. <i>Polymer Chemistry</i> , 2020, 11, 34-38.	3.9	24
138	Semibatch Terpolymerization of Ethylene, Propylene, and 5-Ethylidene-2-norbornene: Heterogeneous High-Ethylene EPDM Thermoplastic Elastomers. <i>Macromolecules</i> , 2020, 53, 5881-5894.	4.8	24
139	Propylene- <i>l</i> -Butene Copolymers: Tailoring Mechanical Properties from Isotactic Polypropylene to Polybutene. <i>Macromolecules</i> , 2020, 53, 4407-4421.	4.8	24
140	Stress-Induced Phase Transitions in Metallocene-Made Isotactic Polypropylene. , 2007, , 345-371.		24
141	Solid state ¹³ C NMR analysis of syndiotactic copolymers of propene with 1-butene. <i>Polymer</i> , 2000, 41, 2141-2148.	3.8	23
142	Crystalline Ethylene- <i>l</i> -Norbornene Copolymers: <i>l</i> Plastic Crystals from <i>l</i> Macromolecules. <i>Macromolecules</i> , 2003, 36, 3789-3792.	4.8	23
143	Chain Conformation, Crystal Structures, and Structural Disorder in Stereoregular Polymers. <i>Topics in Stereochemistry</i> , 2004, , 71-155.	2.0	23
144	(Micro)structure, thermal behavior and mechanical properties of ethylene- <i>l</i> -propylene- <i>l</i> -1-octadecene terpolymers from chain-walking polymerization of 1-octadecene. <i>Polymer</i> , 2019, 166, 27-37.	3.8	23

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145	Structure and Mechanical Properties of Ethylene/1-Octene Multiblock Copolymers from Chain Shuttling Technology. <i>Macromolecules</i> , 2019, 52, 2669-2680.	4.8	23
146	Structure of Copolymers of Syndiotactic Polypropylene with Ethylene. <i>Macromolecules</i> , 2003, 36, 1850-1864.	4.8	22
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