Finizia Auriemma

List of Publications by Year in Descending Order

190 papers	5,979 citations	44 h-index	68 g-index
193 ext. papers	6,511 ext. citations	5.7 avg, IF	5.61 L-index

#	Paper	IF	Citations
190	Molecular Features Behind Formation of Bor Co-Crystalline and Nanoporous-Crystalline Phases of PPO.. *Frontiers in Chemistry*, **2021**, 9, 809850	5	2
189	Rheology and morphology of Pluronic F68 in water. *Physics of Fluids*, **2021**, 33, 043113	4.4	4
188	Microstructural insight on strain-induced crystallization of ethylene/propylene(/diene) random copolymers. *Polymer*, **2021**, 227, 123848	3.9	0
187	Mechanical Properties and Elastic Behavior of Copolymers of Syndiotactic Polypropylene with 1-Hexene and 1-Octene. *Macromolecules*, **2021**, 54, 6810-6823	5.5	0
186	Mechanical properties of isotactic 1-butene-ethylene copolymers from Ziegler-Natta catalyst. *Polymer*, **2021**, 216, 123408	3.9	1
185	Time-resolving small angle X-Ray scattering analysis of melt crystallization of mixtures of regular and irregular isotactic polypropylene samples. *Polymer*, **2021**, 215, 123411	3.9	
184	Evidence of Nodular Morphology in Syndiotactic Polypropylene from the Quenched State. *Macromolecules*, **2021**, 54, 7540-7551	5.5	1
183	Curing Efficiency of Novolac-Type PhenolFormaldehyde Resins from Viscoelastic Properties. *Macromolecules*, **2021**, 54, 11372-11383	5.5	1
182	Nanostructured dimethacrylate-based photopolymerizable systems by modification with diblock copolymers. *Polymer*, **2021**, 237, 124360	3.9	0
181	PropyleneButene Copolymers: Tailoring Mechanical Properties from Isotactic Polypropylene to Polybutene. *Macromolecules*, **2020**, 53, 4407-4421	5.5	10
180	Transmission electron microscopy analysis of multiblock ethylene/1-octene copolymers. *Polymer*, **2020**, 193, 122347	3.9	3
179	Generation of well relaxed all atom models of stereoregular polymers: a validation of hybrid particle-field molecular dynamics for polypropylene melts of different tacticities. *Soft Materials*, **2020**, 18, 228-241	1.7	2
178	Polymorphism in polymers: A tool to tailor material's properties. *Polymer Crystallization*, **2020**, 3, e10101	0.9	21
177	Effect of stretching on the crystallization of un-crosslinked ethylene/propylene(/diene) random copolymers. *Polymer*, **2020**, 199, 122540	3.9	5
176	Morphology of Isotactic PolypropylenePolyethylene Block Copolymers Driven by Controlled Crystallization. *Macromolecules*, **2020**, 53, 10234-10244	5.5	5
175	Block Copolymers-Based Nanoporous Thin Films with Tailored Morphology for Biomolecules Adsorption. *Advanced Materials Interfaces*, **2020**, 7, 1901580	4.6	2
174	The blocky structure of ZieglerNatta Random Copolymers: myths and experimental evidence. *Polymer Chemistry*, **2020**, 11, 34-38	4.9	12

173	Tailored inclusion of semiconductor nanoparticles in nanoporous polystyrene-block-polymethyl methacrylate thin films. *Polymer*, **2020**, 210, 122983	3.9	1
172	Polyolefins based crystalline block copolymers: Ordered nanostructures from control of crystallization. *Polymer*, **2020**, 196, 122423	3.9	5
171	Polymorphism and form II → form I transformation in Ziegler-Natta isotactic 1-butene-ethylene copolymers having a multiblock molecular structure. *Polymer*, **2020**, 198, 122460	3.9	4
170	Crystallization behavior, morphology and crystal transformation of blends of isotactic Poly(1-Butene) with propene-hexene copolymer. *Polymer*, **2019**, 183, 121826	3.9	7
169	Ethylene--norbornene Copolymerization Using a Dual Catalyst System in the Presence of a Chain Transfer Agent. *Polymers*, **2019**, 11,	4.5	9
168	Structure and Mechanical Properties of Ethylene/1-Octene Multiblock Copolymers from Chain Shuttling Technology. *Macromolecules*, **2019**, 52, 2669-2680	5.5	9
167	Synthesis, chain conformation and crystal structure of poly(norbornadiene) having repeating 3,5-enchained nortricyclene units. *Polymer Chemistry*, **2019**, 10, 4593-4603	4.9	5
166	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	5.5	16
165	Two Nanoporous Crystalline Forms of Poly(2,6-dimethyl-1,4-phenylene)oxide and Related Co-Crystalline Forms. *Macromolecules*, **2019**, 52, 9646-9656	5.5	28
164	Mechanical Properties and Morphology of Propene–Pentene Isotactic Copolymers. *Macromolecules*, **2018**, 51, 3030-3040	5.5	11
163	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	5.2	10
162	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	5.5	6
161	Ethylene–norbornene copolymerization in the presence of a chain transfer agent. *European Polymer Journal*, **2018**, 107, 54-66	5.2	9
160	Time-Resolving Study of Stress-Induced Transformations of Isotactic Polypropylene through Wide Angle X-ray Scattering Measurements. *Polymers*, **2018**, 10,	4.5	14
159	Structural Investigation at Nanometric Length Scale of Ethylene/1-Octene Multiblock Copolymers from Chain-Shuttling Technology. *Macromolecules*, **2018**, 51, 9613-9625	5.5	7
158	Crystallization and mechanical properties of metallocene made 1-butene-pentene and 1-butene-hexene isotactic copolymers. *Polymer*, **2018**, 158, 231-242	3.9	20
157	A Rheological Investigation of the Crystallization Kinetics of Syndiotactic Polypropylene of Varying Degree of Tacticity. *International Polymer Processing*, **2018**, 33, 381-386	1	
156	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	5.5	5

155	Unveiling the molecular structure of ethylene/1-octene multi-block copolymers from chain shuttling technology. *Polymer*, **2018**, 154, 298-304	3.9	10
154	Crystal structures and polymorphism of polymers: Influence of defects and disorder. *Polymer Crystallization*, **2018**, 1, e10015	0.9	16
153	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	5.5	9
152	Controlling Size and Orientation of Lamellar Microdomains in Crystalline Block Copolymers. *ACS Applied Materials & Interfaces*, **2017**, 9, 31252-31259	9.5	10
151	Deformation of Stereoirregular Isotactic Polypropylene across Length Scales. Influence of Temperature. *Macromolecules*, **2017**, 50, 2856-2870	5.5	23
150	Tailoring the properties of polypropylene in the polymerization reactor using polymeric nucleating agents as prepolymers on the Ziegler□Natta catalyst granule. *Polymer Chemistry*, **2017**, 8, 655-660	4.9	13
149	Yield behavior of random copolymers of isotactic polypropylene. *Polymer*, **2017**, 129, 235-246	3.9	11
148	Confinement of Semiconductor ZnO Nanoparticles in Block Copolymer Nanostructure. *Journal of Physical Chemistry C*, **2017**, 121, 16617-16628	3.8	8
147	Nano-in-Nano Approach for Enzyme Immobilization Based on Block Copolymers. *ACS Applied Materials & Interfaces*, **2017**, 9, 29318-29327	9.5	18
146	Crystal Structure and Properties of Isotactic 1,2-Poly(E-3-methyl-1,3-pentadiene). *Macromolecules*, **2017**, 50, 5412-5424	5.5	4
145	The □Nodular□Form of Isotactic Polypropylene: Stiff and Strong Polypropylene with High Deformability. *Macromolecules*, **2017**, 50, 5434-5446	5.5	19
144	A hypothesis on different technological solutions for outdoor and indoor Roman wall paintings. *Archaeological and Anthropological Sciences*, **2017**, 9, 591-602	1.8	7
143	Isotactic and Syndiotactic Alternating Ethylene/Propylene Copolymers Obtained Through Non-Catalytic Hydrogenation of Highly Stereoregular cis-1,4 Poly(1,3-diene)s. *Molecules*, **2017**, 22,	4.8	5
142	Mesophase Tuning in Discotic Dimers □Conjugated Ionic Liquid Crystals through Supramolecular Interactions and the Thermal History. *Crystal Growth and Design*, **2016**, 16, 5646-5656	3.5	17
141	Relationship Between Molecular Configuration and Stress-Induced Phase Transitions **2016**, 287-327		8
140	Oriented Microstructures of Crystalline□Crystalline Block Copolymers Induced by Epitaxy and Competitive and Confined Crystallization. *Macromolecules*, **2016**, 49, 5576-5586	5.5	20
139	Tuning Ordered Pattern of Pd Species through Controlled Block Copolymer Self-Assembly. *Journal of Physical Chemistry B*, **2016**, 120, 6829-41	3.4	5
138	Simple Theoretical Considerations for Block-Copolymer-Based Plasmonic Metamaterials. *Macromolecular Symposia*, **2016**, 359, 72-78	0.8	3

137	Thermoplastic elastomers from binary blends of syndiotactic polypropylenes with different stereoregularity. *Polymer*, **2016**, 85, 114-124	3.9	7
136	Lipase immobilization for catalytic applications obtained using fumed silica deposited with MAPLE technique. *Applied Surface Science*, **2016**, 374, 346-352	6.7	11
135	Effects of water sorption on poly(lactic acid). *Polymer*, **2016**, 99, 130-139	3.9	17
134	Predicting the glass transition temperature as function of crosslink density and polymer interactions in rubber compounds **2016**,		2
133	Relationships among migration properties, molecular structure and catalytic process of isotactic copolymers of propene. *European Polymer Journal*, **2016**, 82, 277-289	5.2	4
132	Molecular View of Properties of Random Copolymers of Isotactic Polypropylene. *Advances in Polymer Science*, **2016**, 45-92	1.3	9
131	Melting and crystallization behavior of binary blends of syndiotactic polypropylenes of different stereoregularity. *European Polymer Journal*, **2016**, 84, 589-601	5.2	2
130	Selective inclusion of chromophore molecules into poly(styrene-b-methylmethacrylate) block copolymer nanodomains: a study of morphological, optical and electrical properties. *Journal of Sol-Gel Science and Technology*, **2015**, 73, 634-640	2.3	3
129	Crystallization behavior and mechanical properties of copolymers of isotactic poly(1-butene) with 1-octene from metallocene catalysts. *Polymer*, **2015**, 73, 156-169	3.9	22
128	Crystallization of Alternating Limonene Oxide/Carbon Dioxide Copolymers: Determination of the Crystal Structure of Stereocomplex Poly(limonene carbonate). *Macromolecules*, **2015**, 48, 2534-2550	5.5	40
127	Toward hyperuniform disordered plasmonic nanostructures for reproducible surface-enhanced Raman spectroscopy. *Physical Chemistry Chemical Physics*, **2015**, 17, 8061-9	3.6	52
126	Structure of Isotactic Ethylene/4-Methyl-1,3-pentadiene Alternating Copolymers Obtained from Postmetallocene Catalysts. *Macromolecules*, **2015**, 48, 6931-6940	5.5	3
125	Crystal Structure of Isotactic Poly((R,S)-3-methyl-1-pentene). *Macromolecules*, **2015**, 48, 5251-5266	5.5	7
124	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. *CrystEngComm*, **2015**, 17, 6006-6013	3.3	6
123	Stereocomplexed poly(limonene carbonate): a unique example of the cocrystallization of amorphous enantiomeric polymers. *Angewandte Chemie - International Edition*, **2015**, 54, 1215-8	16.4	117
122	Stereocomplexed Poly(Limonene Carbonate): A Unique Example of the Cocrystallization of Amorphous Enantiomeric Polymers. *Angewandte Chemie*, **2015**, 127, 1231-1234	3.6	33
121	Structure–property relationships in polyethylene based films obtained by blow molding as model system of industrial relevance. *European Polymer Journal*, **2015**, 62, 97-107	5.2	15
120	Crystallization of the mesomorphic form and control of the molecular structure for tailoring the mechanical properties of isotactic polypropylene. *Journal of Polymer Science, Part B: Polymer Physics*, **2014**, 52, 677-699	2.6	28

119	Rapid-flux-solvent-atmosphere method for tailoring the morphology of titania substrates over a large area via direct self-assembly of block copolymers. *RSC Advances*, **2014**, 4, 16721-16725	3.7	4
118	Mechanical Properties and Stress-Induced Phase Transformations of Metallocene Isotactic Poly(1-butene): The Influence of Stereodefects. *Macromolecules*, **2014**, 47, 1053-1064	5.5	44
117	Polymorphic Behavior and Mechanical Properties of Isotactic 1-Butene–Ethylene Copolymers from Metallocene Catalysts. *Macromolecules*, **2014**, 47, 4317-4329	5.5	61
116	Control on titania nanostructure by combining block copolymer assisted sol–gel synthesis with rapid flux solvent atmosphere treatment. *European Polymer Journal*, **2014**, 59, 270-281	5.2	4
115	Kinetic Analysis of Cryotropic Gelation of Poly(Vinyl Alcohol)/Water Solutions by Small-Angle Neutron Scattering. *Advances in Polymer Science*, **2014**, 159-197	1.3	13
114	Stability and phase transformations of the mesomorphic form of isotactic polypropylene in stereodefective polypropylene. *European Polymer Journal*, **2013**, 49, 3590-3600	5.2	17
113	Crystal Structures of Polymers **2013**, 31-72		7
112	Relations between Stereoregularity and Melt Viscoelasticity of Syndiotactic Polypropylene. *Macromolecules*, **2013**, 46, 7940-7946	5.5	19
111	Morphology and Mechanical Properties of the Mesomorphic Form of Isotactic Polypropylene in Stereodefective Polypropylene. *Macromolecules*, **2013**, 46, 5202-5214	5.5	44
110	Small angle X-ray scattering investigation of norbornene-terminated syndiotactic polypropylene and corresponding comb-like poly(macromonomer). *Journal of Physical Chemistry B*, **2013**, 117, 10320-33	3.4	9
109	Nanocomposites from block copolymer lamellar nanostructures and selective gold deposition. *Journal of Nanoscience and Nanotechnology*, **2013**, 13, 5215-20	1.3	4
108	Tailoring Mechanical Properties of Isotactic Polypropylene Via Crystallization of the Mesophase and Control of Stereodefects Concentration. *Macromolecular Chemistry and Physics*, **2013**, 214, 1951-1964	2.6	17
107	The Role of Shape and Size of Guest Molecules in the Formation of Clathrates and Intercalates of Syndiotactic Polystyrene. *Macromolecular Chemistry and Physics*, **2013**, 214, 1901-1911	2.6	17
106	Mesomorphic form of isotactic polypropylene in stereodefective polypropylene: Solid mesophase or liquid-crystal like structure. *Polymer*, **2012**, 53, 2422-2428	3.9	29
105	The deformability of polymers: the role of disordered mesomorphic crystals and stress-induced phase transformations. *Angewandte Chemie - International Edition*, **2012**, 51, 1207-11	16.4	21
104	Synthesis and Ring-Opening Metathesis Polymerization of Norbornene-Terminated Syndiotactic Polypropylene. *Macromolecules*, **2012**, 45, 7863-7877	5.5	31
103	Crystal Structure of the Trigonal Form of Isotactic Propylene–Pentene Copolymers: An Example of the Principle of Entropy–Density Driven Phase Formation in Polymers. *Macromolecules*, **2012**, 45, 2749-2763	5.5	31
102	Single site metallorganic polymerization catalysis as a method to probe the properties of polyolefins. *Polymer Chemistry*, **2011**, 2, 2155	4.9	30

101	Tailoring the Mechanical Properties of Isotactic Polypropylene by Blending Samples with Different Stereoregularity. *Macromolecules*, **2011**, 44, 6026-6038	5.5	14
100	Selective gold deposition on a nanostructured block copolymer film crystallized by epitaxy. *Nano Research*, **2011**, 4, 241-248	10	9
99	Crystallization Behavior of Propene/1-Butene Copolymers: The Trigonal Form of Isotactic Polypropylene and Form I of Isotactic Poly(1-butene). *Macromolecules*, **2011**, 44, 540-549	5.5	64
98	Stem Tilt in α-Form Single Crystals of Isotactic Polypropylene: A Manifestation of Conformational Constraints Set by Stereochemistry and Minimized Fold Encumbrance. *Macromolecules*, **2011**, 44, 3916-3923	5.5	17
97	Theoretical Investigation of Nano-Scale Organization in Blends of Semicrystalline/Semicrystalline Polymers by Small Angle X-ray Scattering. *Macromolecules*, **2010**, 43, 9787-9801	5.5	7
96	A New Mesophase of Isotactic Polypropylene in Copolymers of Propylene with Long Branched Comonomers. *Macromolecules*, **2010**, 43, 8559-8569	5.5	26
95	Structure and Morphology of Syndiotactic Poly(propene-co-1-butene)s with 1-Butene as a Rich Component. *Macromolecules*, **2010**, 43, 1449-1454	5.5	12
94	Helical Mesophase of Syndiotactic Polypropylene in Copolymers with 1-Hexene and 1-Octene. *Macromolecules*, **2010**, 43, 9802-9809	5.5	6
93	Enabling strategies in organic electronics using ordered block copolymer nanostructures. *Advanced Materials*, **2010**, 22, 5414-9	24	47
92	Reactive blending as a tool for obtaining poly(ethylene terephthalate)-based engineering materials with tailored properties. *Polymer*, **2010**, 51, 4340-4350	3.9	17
91	Metalloorganic polymerization catalysis as a tool to probe crystallization properties of polymers: the case of isotactic poly(1-butene). *Angewandte Chemie - International Edition*, **2009**, 48, 9871-4	16.4	41
90	The Harmony of Helical Macromolecules. *Macromolecules*, **2009**, 42, 5179-5188	5.5	5
89	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	5.5	92
88	Stress-Induced Polymorphic Transformations and Mechanical Properties of Isotactic Propylene-Hexene Copolymers. *Crystal Growth and Design*, **2009**, 9, 165-176	3.5	39
87	Epitaxially Dominated Crystalline Morphologies of the β-Phase in Isotactic Polypropylene. *Macromolecules*, **2009**, 42, 4758-4768	5.5	31
86	Mechanical Properties and Elastic Behavior of Syndiotactic Propene/1-Butene Copolymers. *Macromolecules*, **2009**, 42, 4728-4738	5.5	12
85	Time-resolving analysis of cryotropic gelation of water/poly(vinyl alcohol) solutions via small-angle neutron scattering. *Journal of Physical Chemistry B*, **2008**, 112, 816-23	3.4	21
84	A New Crystalline Form of Syndiotactic Poly(1-butene): Crystal Structure of Form I?. *Macromolecules*, **2008**, 41, 5301-5306	5.5	10

83	Theoretical investigation of (MgCl2)xpolynuclear species formed during preparation of MgCl2-supported ZieglerNatta catalysts from solid solvates. *Journal of Applied Crystallography*, **2008**, 41, 68-82	3.8	14
82	Non-Standard Transverse Deformation of a Crystalline Lattice Induced by the Application of Tensile Stress. *Macromolecular Materials and Engineering*, **2008**, 293, 810-814	3.9	4
81	Phase Diagram of Syndiotactic Polypropylene: Influence of Stereoregularity and Temperature on the Polymorphic Behavior. *Macromolecules*, **2007**, 40, 611-622	5.5	16
80	Structure of Isotactic PropylenePentene Copolymers. *Macromolecules*, **2007**, 40, 8531-8532	5.5	47
79	Mesoscopic and microscopic investigation on poly(vinyl alcohol) hydrogels in the presence of sodium decylsulfate. *Journal of Physical Chemistry B*, **2007**, 111, 2166-73	3.4	11
78	Crystallization Behavior of Isotactic PropyleneEthylene and PropyleneButene Copolymers: Effect of Comonomers versus Stereodefects on Crystallization Properties of Isotactic Polypropylene. *Macromolecules*, **2007**, 40, 6600-6616	5.5	117
77	Polymorphic superelasticity in semicrystalline polymers. *Angewandte Chemie - International Edition*, **2007**, 46, 4325-8	16.4	34
76	Stereoblock Polypropylene as a Prototype Example of Elasticity via a Flip-Flop Reorientation of Crystals in a Compliant Matrix. *Advanced Materials*, **2007**, 19, 871-874	24	16
75	Formation of (MgCl2)x Polynuclear Species During Preparation of Active MgCl2 Supported ZieglerNatta Catalysts from Solid Solvates with Lewis Bases. *Chemistry of Materials*, **2007**, 19, 5803-5805	9.6	21
74	A microscopic insight into the deformation behavior of semicrystalline polymers: the role of phase transitions. *Physical Review Letters*, **2006**, 96, 167801	7.4	47
73	A study of the microstructural and diffusion properties of poly(vinyl alcohol) cryogels containing surfactant supramolecular aggregates. *Journal of Physical Chemistry B*, **2006**, 110, 23031-40	3.4	17
72	Mechanical Properties of Syndiotactic PropyleneEthylene Copolymers. *Macromolecules*, **2006**, 39, 249-256	5.5	18
71	Stretching Isotactic Polypropylene: From Cross-Ito Crosshatches, from Form to Form. *Macromolecules*, **2006**, 39, 7635-7647	5.5	71
70	Structural-mechanical phase diagram of isotactic polypropylene. *Journal of the American Chemical Society*, **2006**, 128, 11024-5	16.4	101
69	Crystals and crystallinity in polymeric materials. *Accounts of Chemical Research*, **2006**, 39, 314-23	24.3	43
68	Crystal structure of the trigonal form of isotactic polypropylene as an example of density-driven polymer structure. *Journal of the American Chemical Society*, **2006**, 128, 80-1	16.4	68
67	Slow Crystallization Kinetics of Poly(vinyl alcohol) in Confined Environment during Cryotropic Gelation of Aqueous Solutions. *Macromolecules*, **2006**, 39, 9429-9434	5.5	33
66	The Role of Crystals in the Elasticity of Semicrystalline Thermoplastic Elastomers.. *Chemistry of Materials*, **2006**, 18, 3523-3530	9.6	23

65	Crystal Structure of Isotactic Propylene-1-hexene Copolymers: The Trigonal Form of Isotactic Polypropylene. *Macromolecules*, **2006**, 39, 6098-6109	5.5	79
64	Structure of syndiotactic propylene-ethylene copolymers: Effect of the presence of ethylene units on the structural transitions during plastic deformation and annealing of syndiotactic polypropylene. *Polymer*, **2006**, 47, 2179-2188	3.9	7
63	Structure and physical properties of syndiotactic polypropylene: A highly crystalline thermoplastic elastomer. *Progress in Polymer Science*, **2006**, 31, 145-237	29.6	128
62	Short Time Dynamics of Solvent Molecules and Supramolecular Organization of Poly (vinyl alcohol) Hydrogels Obtained by Freeze/Thaw Techniques. *Macromolecules*, **2005**, 38, 6629-6639	5.5	79
61	Influence of Chain Microstructure on the Crystallization Kinetics of Metallocene-Made Isotactic Polypropylene. *Macromolecules*, **2005**, 38, 10080-10088	5.5	44
60	Alternating isotactic ethylene-cyclopentene copolymer: a crystalline engineering plastomer including high amounts of structural disorder. *Journal of the American Chemical Society*, **2005**, 127, 2850-1	16.4	11
59	Polymorphic Transitions Induced by Annealing in Stretched Fibers of Syndiotactic Polypropylene. *Macromolecules*, **2005**, 38, 4791-4798	5.5	22
58	Crystal Structure of Alternating Isotactic Ethylene-cyclopentene Copolymer. *Macromolecules*, **2005**, 38, 7416-7429	5.5	14
57	Solid Mesophases in Semicrystalline Polymers: Structural Analysis by DiffractionTechniques. *Advances in Polymer Science*, **2005**, 1-74	1.3	65
56	Crystallization Behavior and Mechanical Properties of Regiodefective, Highly Stereoregular Isotactic Polypropylene: Effect of Regiodefects versus Stereodefects and Influence of the Molecular Mass. *Macromolecules*, **2005**, 38, 9143-9154	5.5	75
55	Structural Organization of Poly(vinyl alcohol) Hydrogels Obtained by Freezing and Thawing Techniques: A SANS Study. *Chemistry of Materials*, **2005**, 17, 1183-1189	9.6	96
54	Structure and Properties of Poly(vinyl alcohol) Hydrogels Obtained by Freeze/Thaw Techniques. *Macromolecular Symposia*, **2005**, 222, 49-64	0.8	43
53	From stiff plastic to elastic polypropylene: Polymorphic transformations during plastic deformation of metallocene-made isotactic polypropylene. *Polymer*, **2005**, 46, 9461-9475	3.9	67
52	From Entropic to Enthalpic Elasticity: Novel Thermoplastic Elastomers from Syndiotactic Propylene-ethylene Copolymers. *Advanced Materials*, **2005**, 17, 1503-1507	24	20
51	Crystallization properties of elastomeric polypropylene from alumina-supported tetraalkyl zirconium catalysts. *Polymer*, **2004**, 45, 5875-5888	3.9	21
50	Non-Helical Chain Conformations of Isotactic Polymers in the Crystalline State. *Macromolecular Chemistry and Physics*, **2004**, 205, 390-396	2.6	7
49	Structure and Polymorphic Behavior of High Molecular Weight Poorly Syndiotactic Polypropylene. *Macromolecules*, **2004**, 37, 1422-1430	5.5	24
48	Structure and Properties of Elastomeric Polypropylene from C2 and C2v-Symmetric Zirconocenes. The Origin of Crystallinity and Elastic Properties in Poorly Isotactic Polypropylene. *Macromolecules*, **2004**, 37, 6843-6855	5.5	62

47	Structure and Physical Properties of Syndiotactic Polypropylene from Living Polymerization with Bis(phenoxyimine)-Based Titanium Catalysts. *Macromolecules*, **2004**, 37, 9034-9047	5.5	30
46	Mechanical Properties of Helical and Mesomorphic Forms of Syndiotactic Polypropylene at Different Temperatures. *Macromolecules*, **2004**, 37, 7724-7735	5.5	19
45	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	5.5	89
44	Disordered Chain Conformations of Poly(tetrafluoroethylene) in the High-Temperature Crystalline Form I. *Macromolecules*, **2004**, 37, 9473-9480	5.5	17
43	Structure-property correlations in polypropylene from metallocene catalysts: stereodefective, regioregular isotactic polypropylene. *Journal of the American Chemical Society*, **2004**, 126, 17040-9	16.4	185
42	X-ray Diffraction Analysis of Poly(vinyl alcohol) Hydrogels, Obtained by Freezing and Thawing Techniques. *Macromolecules*, **2004**, 37, 1921-1927	5.5	429
41	Investigation of the Crystallinity of Freeze/Thaw Poly(vinyl alcohol) Hydrogels by Different Techniques. *Macromolecules*, **2004**, 37, 9510-9516	5.5	169
40	Crystal Structure of Alternating Ethylene–Norbornene Copolymer. *Macromolecules*, **2004**, 37, 9489-9502	5.5	14
39	Structural Transitions of the Trans-Planar Mesomorphic Form and Crystalline Form III of Syndiotactic Polypropylene in Stretched and Stress-Relaxed Fibers: A Memory Effect. *Macromolecules*, **2004**, 37, 1816-1824	5.5	21
38	Chain conformations of syndiotactic poly(m-methylstyrene) in the crystalline state. *Polymer*, **2003**, 44, 1655-1660	3.9	1
37	Crystallization from the melt of α and β forms of syndiotactic polystyrene. *Polymer*, **2003**, 44, 1861-1870	3.9	52
36	Influence of the quenching temperature on the crystallization of the trans-planar mesomorphic form of syndiotactic polypropylene. *Polymer*, **2003**, 44, 6267-6272	3.9	25
35	New concepts in thermoplastic elastomers: the case of syndiotactic polypropylene, an unconventional elastomer with high crystallinity and large modulus. *Journal of the American Chemical Society*, **2003**, 125, 13143-7	16.4	58
34	Synthesis and characterization of high-molecular-weight syndiotactic amorphous polypropylene. *Journal of the American Chemical Society*, **2003**, 125, 10913-20	16.4	46
33	Structure of Copolymers of Syndiotactic Polypropylene with Ethylene. *Macromolecules*, **2003**, 36, 1850-1864	5.5	21
32	Time-Resolved Study of the Martensitic Phase Transition in Syndiotactic Polypropylene. *Macromolecules*, **2003**, 36, 9396-9410	5.5	38
31	Mechanical Properties and Elastic Behavior of High-Molecular-Weight Poorly Syndiotactic Polypropylene. *Macromolecules*, **2003**, 36, 7607-7617	5.5	28
30	Stereoblock Polypropylene from a Metallocene Catalyst with a Hapto-Flexible Naphthyl–Indenyl Ligand. *Macromolecules*, **2003**, 36, 3465-3474	5.5	42

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