

Finizia Auriemma

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9385676/publications.pdf>

Version: 2024-02-01

191
papers

7,079
citations

50276

46
h-index

76900

74
g-index

193
all docs

193
docs citations

193
times ranked

3939
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	Structure~Property Correlations in Polypropylene from Metallocene Catalysts:~ Stereodefective, Regioregular Isotactic Polypropylene. <i>Journal of the American Chemical Society</i> , 2004, 126, 17040-17049.	13.7	201
3	Investigation of the Crystallinity of Freeze/Thaw Poly(vinyl alcohol) Hydrogels by Different Techniques. <i>Macromolecules</i> , 2004, 37, 9510-9516.	4.8	201
4	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
5	Crystallization of Metallocene-Made Isotactic Polypropylene:~ Disordered Modifications Intermediate between the $\hat{1}\pm$ and $\hat{1}^3$ Forms. <i>Macromolecules</i> , 2002, 35, 9057-9068.	4.8	144
6	Stereocomplexed Poly(Limonene Carbonate): A Unique Example of the Cocrystallization of Amorphous Enantiomeric Polymers. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1215-1218.	13.8	138
7	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
8	Crystallization Behavior of Isotactic Propylene~Ethylene and Propylene~Butene Copolymers:~ Effect of Comonomers~versus~ Stereodefects on Crystallization Properties of Isotactic Polypropylene. <i>Macromolecules</i> , 2007, 40, 6600-6616.	4.8	129
9	Disordered Polymorphic Modifications of Form I of Syndiotactic Polypropylene. <i>Macromolecules</i> , 1997, 30, 4137-4146.	4.8	115
10	Structural~Mechanical Phase Diagram of Isotactic Polypropylene. <i>Journal of the American Chemical Society</i> , 2006, 128, 11024-11025.	13.7	110
11	Structural Organization of Poly(vinyl alcohol) Hydrogels Obtained by Freezing and Thawing Techniques:~ A SANS Study. <i>Chemistry of Materials</i> , 2005, 17, 1183-1189.	6.7	107
12	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.	4.8	107
13	Comparison between Polymorphic Behaviors of Ziegler~Natta and Metallocene-Made Isotactic Polypropylene:~ The Role of the Distribution of Defects in the Polymer Chains. <i>Macromolecules</i> , 2004, 37, 1441-1454.	4.8	99
14	Crystallization of the $\hat{1}\pm$ and $\hat{1}^3$ Forms of Isotactic Polypropylene as a Tool To Test the Degree of Segregation of Defects in the Polymer Chains. <i>Macromolecules</i> , 2002, 35, 3622-3629.	4.8	95
15	Crystal Structure of Form I of Syndiotactic Polypropylene. <i>Macromolecules</i> , 1996, 29, 7452-7459.	4.8	92
16	Mesomorphic Form of Syndiotactic Polypropylene. <i>Macromolecules</i> , 2000, 33, 6200-6204.	4.8	92
17	Chirality Constraints in Crystal~Crystal Transformations:~ Isotactic Poly(1-butene) versus Syndiotactic Polypropylene. <i>Macromolecules</i> , 1998, 31, 9253-9257.	4.8	89
18	On the Form II of Syndiotactic Polypropylene. <i>Macromolecules</i> , 1998, 31, 7430-7435.	4.8	88

#	ARTICLE	IF	CITATIONS
19	Short Time Dynamics of Solvent Molecules and Supramolecular Organization of Poly (vinyl alcohol) Hydrogels Obtained by Freeze/Thaw Techniques. <i>Macromolecules</i> , 2005, 38, 6629-6639.	4.8	88
20	Crystal Structure of Isotactic Propylene- <i>n</i> -Hexene Copolymers: The Trigonal Form of Isotactic Polypropylene. <i>Macromolecules</i> , 2006, 39, 6098-6109.	4.8	87
21	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
22	Origin of the Elastic Behavior of Syndiotactic Polypropylene. <i>Macromolecules</i> , 2001, 34, 4485-4491.	4.8	78
23	Mesomorphic Form(\hat{I}^2) of Nylon 6. <i>Macromolecules</i> , 1997, 30, 7554-7559.	4.8	77
24	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.	4.8	76
25	Stretching Isotactic Polypropylene: From \hat{I}^2 to Crosshatches, from \hat{I}^3 Form to \hat{I}^\pm Form. <i>Macromolecules</i> , 2006, 39, 7635-7647.	4.8	75
26	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
27	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
28	The Oriented \hat{I}^3 Form of Isotactic Polypropylene. <i>Macromolecules</i> , 2001, 34, 4815-4826.	4.8	72
29	Polymorphic Behavior and Mechanical Properties of Isotactic 1-Butene- <i>n</i> -Ethylene Copolymers from Metallocene Catalysts. <i>Macromolecules</i> , 2014, 47, 4317-4329.	4.8	72
30	Solid Mesophases in Semicrystalline Polymers: Structural Analysis by Diffraction Techniques. <i>Advances in Polymer Science</i> , 2005, , 1-74.	0.8	68
31	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
32	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
33	Toward hyperuniform disordered plasmonic nanostructures for reproducible surface-enhanced Raman spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 8061-8069.	2.8	60
34	Crystallization from the melt of \hat{I}^\pm and \hat{I}^2 forms of syndiotactic polystyrene. <i>Polymer</i> , 2003, 44, 1861-1870.	3.8	56
35	Crystals and Crystallinity in Polymeric Materials. <i>Accounts of Chemical Research</i> , 2006, 39, 314-323.	15.6	56
36	Structure of Isotactic Propylene- <i>n</i> -Pentene Copolymers. <i>Macromolecules</i> , 2007, 40, 8531-8532.	4.8	56

#	ARTICLE	IF	CITATIONS
37	Structural Disorder in the $\hat{1}\pm$ Form of Isotactic Polypropylene. <i>Macromolecules</i> , 2000, 33, 8764-8774.	4.8	55
38	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
39	Equilibrium Melting Temperature of Syndiotactic Polypropylene. <i>Macromolecules</i> , 1998, 31, 6206-6210.	4.8	53
40	Enabling Strategies in Organic Electronics Using Ordered Block Copolymer Nanostructures. <i>Advanced Materials</i> , 2010, 22, 5414-5419.	21.0	53
41	Morphology and Mechanical Properties of the Mesomorphic Form of Isotactic Polypropylene in Stereodeficient Polypropylene. <i>Macromolecules</i> , 2013, 46, 5202-5214.	4.8	53
42	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
43	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
44	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
45	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
46	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
47	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
48	Structure and Properties of Poly(vinyl alcohol) Hydrogels Obtained by Freeze/Thaw Techniques. <i>Macromolecular Symposia</i> , 2005, 222, 49-64.	0.7	47
49	Influence of Chain Microstructure on the Crystallization Kinetics of Metallocene-Made Isotactic Polypropylene. <i>Macromolecules</i> , 2005, 38, 10080-10088.	4.8	46
50	Stereoblock Polypropylene from a Metallocene Catalyst with a Hapto-Flexible Naphthyl π -Indenyl Ligand. <i>Macromolecules</i> , 2003, 36, 3465-3474.	4.8	45
51	Structural Characterization of Syndiotactic Copolymers of Propene with 1-Butene. <i>Macromolecules</i> , 1998, 31, 9109-9115.	4.8	44
52	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
53	On the form IV of syndiotactic polypropylene. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1998, 36, 395-402.	2.1	42
54	Time-Resolved Study of the Martensitic Phase Transition in Syndiotactic Polypropylene. <i>Macromolecules</i> , 2003, 36, 9396-9410.	4.8	41

#	ARTICLE	IF	CITATIONS
55	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
56	Polymorphism of syndiotactic polypropylene in copolymers of propylene with ethylene and 1-butene. <i>Polymer</i> , 1998, 39, 6219-6226.	3.8	37
57	Crystal Structure of the Trigonal Form of Isotactic Propylene- <i>l</i> -Pentene Copolymers: An Example of the Principle of Entropy-Driven Density Driven Phase Formation in Polymers. <i>Macromolecules</i> , 2012, 45, 2749-2763.	4.8	37
58	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
59	Polymorphic Superelasticity in Semicrystalline Polymers. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4325-4328.	13.8	36
60	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
61	Polymorphism in polymers: A tool to tailor material's properties. <i>Polymer Crystallization</i> , 2020, 3, e10101.	0.8	36
62	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
63	Single site metallorganic polymerization catalysis as a method to probe the properties of polyolefins. <i>Polymer Chemistry</i> , 2011, 2, 2155.	3.9	34
64	Kink Bands in Form II of Syndiotactic Polypropylene. <i>Macromolecules</i> , 1997, 30, 6586-6591.	4.8	33
65	Epitaxially Dominated Crystalline Morphologies of the β -Phase in Isotactic Polypropylene. <i>Macromolecules</i> , 2009, 42, 4758-4768.	4.8	33
66	Deformation of Stereoirregular Isotactic Polypropylene across Length Scales. Influence of Temperature. <i>Macromolecules</i> , 2017, 50, 2856-2870.	4.8	33
67	Synthesis and Ring-Opening Metathesis Polymerization of Norbornene-Terminated Syndiotactic Polypropylene. <i>Macromolecules</i> , 2012, 45, 7863-7877.	4.8	32
68	A New Mesophase of Isotactic Polypropylene in Copolymers of Propylene with Long Branched Comonomers. <i>Macromolecules</i> , 2010, 43, 8559-8569.	4.8	31
69	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
70	Mechanical Properties and Elastic Behavior of High-Molecular-Weight Poorly Syndiotactic Polypropylene. <i>Macromolecules</i> , 2003, 36, 7607-7617.	4.8	30
71	Structure and Physical Properties of Syndiotactic Polypropylene from Living Polymerization with Bis(phenoximine)-Based Titanium Catalysts. <i>Macromolecules</i> , 2004, 37, 9034-9047.	4.8	30
72	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

#	ARTICLE	IF	CITATIONS
73	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
74	The “Nodular”± Form of Isotactic Polypropylene: Stiff and Strong Polypropylene with High Deformability. <i>Macromolecules</i> , 2017, 50, 5434-5446.	4.8	28
75	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
76	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
77	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
78	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
79	Relations between Stereoregularity and Melt Viscoelasticity of Syndiotactic Polypropylene. <i>Macromolecules</i> , 2013, 46, 7940-7946.	4.8	26
80	The Role of Crystals in the Elasticity of Semicrystalline Thermoplastic Elastomers.. <i>Chemistry of Materials</i> , 2006, 18, 3523-3530.	6.7	25
81	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
82	Mechanical Properties and Morphology of Propene“Pentene Isotactic Copolymers. <i>Macromolecules</i> , 2018, 51, 3030-3040.	4.8	25
83	Crystallization properties of elastomeric polypropylene from alumina-supported tetraalkyl zirconium catalysts. <i>Polymer</i> , 2004, 45, 5875-5888.	3.8	24
84	Structure and Polymorphic Behavior of High Molecular Weight Poorly Syndiotactic Polypropylene. <i>Macromolecules</i> , 2004, 37, 1422-1430.	4.8	24
85	The blocky structure of Ziegler“Natta “random“copolymers: myths and experimental evidence. <i>Polymer Chemistry</i> , 2020, 11, 34-38.	3.9	24
86	Propylene“Butene Copolymers: Tailoring Mechanical Properties from Isotactic Polypropylene to Polybutene. <i>Macromolecules</i> , 2020, 53, 4407-4421.	4.8	24
87	Solid state ¹³ C NMR analysis of syndiotactic copolymers of propene with 1-butene. <i>Polymer</i> , 2000, 41, 2141-2148.	3.8	23
88	Crystalline Ethylene“Norbornene Copolymers:Â Plastic Crystals from <i>Macromolecules</i> . <i>Macromolecules</i> , 2003, 36, 3789-3792.	4.8	23
89	Structure and Mechanical Properties of Ethylene/1-Octene Multiblock Copolymers from Chain Shuttling Technology. <i>Macromolecules</i> , 2019, 52, 2669-2680.	4.8	23
90	Structure of Copolymers of Syndiotactic Polypropylene with Ethylene. <i>Macromolecules</i> , 2003, 36, 1850-1864.	4.8	22

#	ARTICLE	IF	CITATIONS
91	From Entropic to Enthalpic Elasticity: Novel Thermoplastic Elastomers from Syndiotactic Propylene-Ethylene Copolymers. <i>Advanced Materials</i> , 2005, 17, 1503-1507.	21.0	22
92	Polymorphic Transitions Induced by Annealing in Stretched Fibers of Syndiotactic Polypropylene. <i>Macromolecules</i> , 2005, 38, 4791-4798.	4.8	22
93	Mechanical Properties of Syndiotactic Propylene- ² Ethylene Copolymers. <i>Macromolecules</i> , 2006, 39, 249-256.	4.8	22
94	Stability and phase transformations of the mesomorphic form of isotactic polypropylene in stereodeficient polypropylene. <i>European Polymer Journal</i> , 2013, 49, 3590-3600.	5.4	22
95	Effects of water sorption on poly(lactic acid). <i>Polymer</i> , 2016, 99, 130-139.	3.8	22
96	Nano-in-Nano Approach for Enzyme Immobilization Based on Block Copolymers. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 29318-29327.	8.0	22
97	Crystal structures and polymorphism of polymers: Influence of defects and disorder. <i>Polymer Crystallization</i> , 2018, 1, e10015.	0.8	22
98	Mechanical Properties of Helical and Mesomorphic Forms of Syndiotactic Polypropylene at Different Temperatures. <i>Macromolecules</i> , 2004, 37, 7724-7735.	4.8	21
99	Structural Transitions of the Trans-Planar Mesomorphic Form and Crystalline Form III of Syndiotactic Polypropylene in Stretched and Stress-Relaxed Fibers: A Memory Effect. <i>Macromolecules</i> , 2004, 37, 1816-1824.	4.8	21
100	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.	6.7	21
101	Reactive blending as a tool for obtaining poly(ethylene terephthalate)-based engineering materials with tailored properties. <i>Polymer</i> , 2010, 51, 4340-4350.	3.8	21
102	Tailoring Mechanical Properties of Isotactic Polypropylene Via Crystallization of the Mesophase and Control of Stereodeficient Concentration. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 1951-1964.	2.2	21
103	Controlling Size and Orientation of Lamellar Microdomains in Crystalline Block Copolymers. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 31252-31259.	8.0	21
104	Yield behavior of random copolymers of isotactic polypropylene. <i>Polymer</i> , 2017, 129, 235-246.	3.8	21
105	Relationships among lamellar morphology parameters, structure and thermal behavior of isotactic propene-pentene copolymers: The role of incorporation of comonomeric units in the crystals. <i>European Polymer Journal</i> , 2018, 103, 251-259.	5.4	21
106	Time-Resolving Study of Stress-Induced Transformations of Isotactic Polypropylene through Wide Angle X-ray Scattering Measurements. <i>Polymers</i> , 2018, 10, 162.	4.5	21
107	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.	2.2	20
108	Polyolefins based crystalline block copolymers: Ordered nanostructures from control of crystallization. <i>Polymer</i> , 2020, 196, 122423.	3.8	20

#	ARTICLE	IF	CITATIONS
109	Structural Analysis of Copolymers of Syndiotactic Polypropylene with ^{13}C -Enriched Ethylene. <i>Macromolecules</i> , 2002, 35, 1314-1318.	4.8	19
110	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.	2.6	19
111	Molecular View of Properties of Random Copolymers of Isotactic Polypropylene. <i>Advances in Polymer Science</i> , 2016, , 45-92.	0.8	19
112	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.	3.0	19
113	Rheology and morphology of Pluronic F68 in water. <i>Physics of Fluids</i> , 2021, 33, .	4.0	19
114	Kinetic Analysis of Cryotropic Gelation of Poly(Vinyl Alcohol)/Water Solutions by Small-Angle Neutron Scattering. <i>Advances in Polymer Science</i> , 2014, , 159-197.	0.8	18
115	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.	3.9	18
116	Structural Investigation at Nanometric Length Scale of Ethylene/1-Octene Multiblock Copolymers from Chain-Shuttling Technology. <i>Macromolecules</i> , 2018, 51, 9613-9625.	4.8	18
117	Disordered Chain Conformations of Poly(tetrafluoroethylene) in the High-Temperature Crystalline Form I. <i>Macromolecules</i> , 2004, 37, 9473-9480.	4.8	17
118	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.	4.8	17
119	Tailoring the Mechanical Properties of Isotactic Polypropylene by Blending Samples with Different Stereoregularity. <i>Macromolecules</i> , 2011, 44, 6026-6038.	4.8	17
120	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.	5.4	17
121	In-Depth Analysis of the Nonuniform Chain Microstructure of Multiblock Copolymers from Chain-Shuttling Polymerization. <i>Macromolecules</i> , 2021, 54, 10891-10902.	4.8	17
122	Crystal Structure of Alternating Ethylene-Norbornene Copolymer. <i>Macromolecules</i> , 2004, 37, 9489-9502.	4.8	16
123	Phase Diagram of Syndiotactic Polypropylene: Influence of Stereoregularity and Temperature on the Polymorphic Behavior. <i>Macromolecules</i> , 2007, 40, 611-622.	4.8	16
124	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.	21.0	16
125	Morphology of Isotactic Polypropylene-Polyethylene Block Copolymers Driven by Controlled Crystallization. <i>Macromolecules</i> , 2020, 53, 10234-10244.	4.8	16
126	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.	2.6	15

#	ARTICLE	IF	CITATIONS
127	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.	4.5	15
128	Structural and morphological aspects of some polymorphs of syndiotactic poly(p-methylstyrene). <i>Polymer</i> , 2000, 41, 3745-3749.	3.8	14
129	Crystal Structure of Alternating Isotactic Ethylene–Cyclopentene Copolymer. <i>Macromolecules</i> , 2005, 38, 7416-7429.	4.8	14
130	Mechanical Properties and Elastic Behavior of Syndiotactic Propene–Butene Copolymers. <i>Macromolecules</i> , 2009, 42, 4728-4738.	4.8	14
131	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.	4.8	14
132	Structural features of the mesomorphic form of syndiotactic poly(p-methylstyrene). <i>Polymer</i> , 1998, 39, 3523-3528.	3.8	13
133	Selective gold deposition on a nanostructured block copolymer film crystallized by epitaxy. <i>Nano Research</i> , 2011, 4, 241-248.	10.4	13
134	Alternating Isotactic Ethylene–Cyclopentene Copolymer: A Crystalline Engineering Plastomer Including High Amounts of Structural Disorder. <i>Journal of the American Chemical Society</i> , 2005, 127, 2850-2851.	13.7	12
135	Ethylene–norbornene copolymerization in the presence of a chain transfer agent. <i>European Polymer Journal</i> , 2018, 107, 54-66.	5.4	12
136	Ethylene-co-norbornene Copolymerization Using a Dual Catalyst System in the Presence of a Chain Transfer Agent. <i>Polymers</i> , 2019, 11, 554.	4.5	12
137	Transmission electron microscopy analysis of multiblock ethylene/1-octene copolymers. <i>Polymer</i> , 2020, 193, 122347.	3.8	12
138	Conformational analysis of highly extended poly(ethylene terephthalate) chains by Monte Carlo calculations. <i>Macromolecular Theory and Simulations</i> , 1995, 4, 165-176.	1.4	11
139	A New Crystalline Form of Syndiotactic Poly(1-butene): Crystal Structure of Form I. <i>Macromolecules</i> , 2008, 41, 5301-5306.	4.8	11
140	Relationship Between Molecular Configuration and Stress-Induced Phase Transitions. , 2016, , 287-327.		11
141	Lipase immobilization for catalytic applications obtained using fumed silica deposited with MAPLE technique. <i>Applied Surface Science</i> , 2016, 374, 346-352.	6.1	11
142	Perfectly Alternating Ethylene/2-Butene Copolymers by Hydrogenation of Highly Stereoregular 1,4-Poly(1,3-diene)s: Synthesis and Characterization. <i>Macromolecules</i> , 2017, 50, 754-761.	4.8	11
143	A hypothesis on different technological solutions for outdoor and indoor Roman wall paintings. <i>Archaeological and Anthropological Sciences</i> , 2017, 9, 591-602.	1.8	11
144	Extending the High-Throughput Experimentation (HTE) Approach to Catalytic Olefin Polymerizations: From Catalysts to Materials. <i>Macromolecules</i> , 2022, 55, 5017-5026.	4.8	11

#	ARTICLE	IF	CITATIONS
145	Effect of stretching on the crystallization of un-crosslinked ethylene/propylene(/diene) random copolymers. <i>Polymer</i> , 2020, 199, 122540.	3.8	10
146	Comparison between Polymorphic Behaviors of Ziegler-Natta and Metallocene-Made Isotactic Polypropylene: The Role of the Chain Microstructure. <i>Macromolecular Symposia</i> , 2001, 169, 113-124.	0.7	9
147	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.	4.8	9
148	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.	2.6	9
149	Mechanical Properties of Isotactic 1,2-Poly(E-3-methyl-1,3-pentadiene): An Example of Rubbery Elasticity below Glass Transition Temperature. <i>Macromolecules</i> , 2018, 51, 488-496.	4.8	9
150	Crystallization behavior, morphology and crystal transformation of blends of isotactic Poly(1-Butene) with propene-hexene copolymer. <i>Polymer</i> , 2019, 183, 121826.	3.8	9
151	Thermal Fractionation of Ethylene/1-Octene Multiblock Copolymers from Chain Shuttling Polymerization. <i>Macromolecules</i> , 2022, 55, 5656-5668.	4.8	9
152	Non-Helical Chain Conformations of Isotactic Polymers in the Crystalline State. <i>Macromolecular Chemistry and Physics</i> , 2004, 205, 390-396.	2.2	8
153	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. <i>Polymer</i> , 2006, 47, 2179-2188.	3.8	8
154	Thermoplastic elastomers from binary blends of syndiotactic polypropylenes with different stereoregularity. <i>Polymer</i> , 2016, 85, 114-124.	3.8	8
155	Confinement of Semiconductor ZnO Nanoparticles in Block Copolymer Nanostructure. <i>Journal of Physical Chemistry C</i> , 2017, 121, 16617-16628.	3.1	8
156	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.	3.8	8
157	Helical Mesophase of Syndiotactic Polypropylene in Copolymers with 1-Hexene and 1-Octene. <i>Macromolecules</i> , 2010, 43, 9802-9809.	4.8	7
158	Crystal Structure of Isotactic Poly((<i>R</i>)-3-methyl-1-pentene). <i>Macromolecules</i> , 2015, 48, 5251-5266.	4.8	7
159	Synthesis, chain conformation and crystal structure of poly(norbornadiene) having repeating 3,5-enchaind nortricyclene units. <i>Polymer Chemistry</i> , 2019, 10, 4593-4603.	3.9	7
160	Molecular Features Behind Formation of $\hat{1}\pm$ or $\hat{1}^2$ Co-Crystalline and Nanoporous-Crystalline Phases of PPO. <i>Frontiers in Chemistry</i> , 2021, 9, 809850.	3.6	7
161	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.	2.6	6
162	Tuning Ordered Pattern of Pd Species through Controlled Block Copolymer Self-Assembly. <i>Journal of Physical Chemistry B</i> , 2016, 120, 6829-6841.	2.6	6

#	ARTICLE	IF	CITATIONS
163	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.	1.7	6
164	Polymorphism and form II \leftrightarrow form I transformation in Ziegler-Natta isotactic 1-butene-ethylene copolymers having a multiblock molecular structure. <i>Polymer</i> , 2020, 198, 122460.	3.8	6
165	Evidence of Nodular Morphology in Syndiotactic Polypropylene from the Quenched State. <i>Macromolecules</i> , 2021, 54, 7540-7551.	4.8	6
166	Structure-properties relationship in spun fibers of poly(ethylene terephthalate): Comparisons between samples obtained by terephthalic acid or dimethyl terephthalate processes. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1997, 35, 889-896.	2.1	5
167	The Harmony of Helical Macromolecules. <i>Macromolecules</i> , 2009, 42, 5179-5188.	4.8	5
168	Predicting the glass transition temperature as function of crosslink density and polymer interactions in rubber compounds. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	5
169	Relationships among migration properties, molecular structure and catalytic process of isotactic copolymers of propene. <i>European Polymer Journal</i> , 2016, 82, 277-289.	5.4	5
170	Synthesis and Structure of Syndiotactic Poly(3-methyl-1-butene): A Case of 3/1 Helical Conformation for Syndiotactic Polymers. <i>Macromolecules</i> , 2018, 51, 8574-8584.	4.8	5
171	Block Copolymers-Based Nanoporous Thin Films with Tailored Morphology for Biomolecules Adsorption. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901580.	3.7	5
172	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.	3.6	4
173	Nanocomposites from Block Copolymer Lamellar Nanostructures and Selective Gold Deposition. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 5215-5220.	0.9	4
174	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.	5.4	4
175	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.	3.6	4
176	Crystal Structure and Properties of Isotactic 1,2-Poly(3-methyl-1,3-pentadiene). <i>Macromolecules</i> , 2017, 50, 5412-5424.	4.8	4
177	Curing Efficiency of Novolac-Type Phenol-Formaldehyde Resins from Viscoelastic Properties. <i>Macromolecules</i> , 2021, 54, 11372-11383.	4.8	4
178	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.	2.4	3
179	Structure of Isotactic Ethylene/4-Methyl-1,3-pentadiene Alternating Copolymers Obtained from Postmetallocene Catalysts. <i>Macromolecules</i> , 2015, 48, 6931-6940.	4.8	3
180	Simple Theoretical Considerations for Block Copolymer-Based Plasmonic Metamaterials. <i>Macromolecular Symposia</i> , 2016, 359, 72-78.	0.7	3

#	ARTICLE	IF	CITATIONS
181	Mechanical Properties and Elastic Behavior of Copolymers of Syndiotactic Polypropylene with 1-Hexene and 1-Octene. <i>Macromolecules</i> , 2021, 54, 6810-6823.	4.8	3
182	Melting and crystallization behavior of binary blends of syndiotactic polypropylenes of different stereoregularity. <i>European Polymer Journal</i> , 2016, 84, 589-601.	5.4	2
183	Tailored inclusion of semiconductor nanoparticles in nanoporous polystyrene-block-polymethyl methacrylate thin films. <i>Polymer</i> , 2020, 210, 122983.	3.8	2
184	Mechanical properties of isotactic 1-butene-ethylene copolymers from Ziegler-Natta catalyst. <i>Polymer</i> , 2021, 216, 123408.	3.8	2
185	Microstructural insight on strain-induced crystallization of ethylene/propylene(/diene) random copolymers. <i>Polymer</i> , 2021, 227, 123848.	3.8	2
186	Nanostructured dimethacrylate-based photopolymerizable systems by modification with diblock copolymers. <i>Polymer</i> , 2021, 237, 124360.	3.8	2
187	Crystal structures and order-disorder phenomena in polymers. <i>Macromolecular Symposia</i> , 2001, 175, 215-224.	0.7	1
188	Chain conformations of syndiotactic poly(m-methylstyrene) in the crystalline state. <i>Polymer</i> , 2003, 44, 1655-1660.	3.8	1
189	A Rheological Investigation of the Crystallization Kinetics of Syndiotactic Polypropylene of Varying Degree of Tacticity. <i>International Polymer Processing</i> , 2018, 33, 381-386.	0.5	1
190	Tailoring the properties of polymers via formation of a mesophase. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	0
191	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.	3.8	0