Gaetano Guerra

List of Publications by Year
in descending order

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346 papers	14,359 citations	15880 67 h-index	40945 97 g-index
350 all docs	350 docs citations	350 times ranked	4769 citing authors

#	Article	IF	Citations
1	Polymorphism in melt crystallized syndiotactic polystyrene samples. Macromolecules, 1990, 23, 1539-1544.	2.2	507
2	Crystal Structure of the Emptied Clathrate Form (Î´e Form) of Syndiotactic Polystyrene. Macromolecules, 1997, 30, 4147-4152.	2.2	332
3	On the crystal structure of the orthorhombic form of syndiotactic polystyrene. Polymer, 1992, 33, 1423-1428.	1.8	252
4	Do New Century Catalysts Unravel the Mechanism of Stereocontrol of Old Zieglerâ^'Natta Catalysts?. Accounts of Chemical Research, 2004, 37, 231-241.	7.6	232
5	Crystal structure of the clathrate Î´ form of syndiotactic polystyrene containing 1,2-dichloroethane. Polymer, 1999, 40, 2103-2110.	1.8	192
6	Aerogels with a Microporous Crystalline Host Phase. Advanced Materials, 2005, 17, 1515-1518.	11.1	182
7	Shape and Volume of Cavities in Thermoplastic Molecular Sieves Based on Syndiotactic Polystyrene. Chemistry of Materials, 2001, 13, 1506-1511.	3.2	174
8	Crystal Structure of the Î±-Form of Syndiotactic Polystyrene. Polymer Journal, 1991, 23, 1435-1442.	1.3	170
9	A possible model for the stereospecificity in the syndiospecific polymerization of propene with group 4a metallocenes. Macromolecules, 1991, 24, 1784-1790.	2.2	154
10	Nanoporous Polymer Crystals with Cavities and Channels. Chemistry of Materials, 2008, 20, 3663-3668.	3.2	153
11	On the structure of the quenched mesomorphic phase of isotactic polypropylene. Macromolecules, 1986, 19, 2699-2703.	2.2	150
12	Structural changes induced by thermal treatments on emptied and filled clathrates of syndiotactic polystyrene. Macromolecular Chemistry and Physics, 1995, 196, 2795-2808.	1.1	132
13	Analysis of models for the Ziegler-Natta stereospecific polymerization on the basis of non-bonded interactions at the catalytic siteâ€"I. The Cossee model. European Polymer Journal, 1979, 15, 1133-1141.	2.6	127
14	Geometry and Stability of Titanium Chloride Species Adsorbed on the (100) and (110) Cuts of the MgCl2Support of the Heterogeneous Zieglerâ^'Natta Catalysts. Macromolecules, 2000, 33, 8953-8962.	2.2	127
15	Vapor sorption in emptied clathrate samples of syndiotactic polystyrene. Journal of Polymer Science, Part B: Polymer Physics, 1997, 35, 133-140.	2.4	125
16	Crystalline Orientation in Syndiotactic Polystyrene Cast Films. Macromolecules, 2002, 35, 5854-5860.	2.2	122
17	An Intercalate Molecular Complex of Syndiotactic Polystyrene. Macromolecules, 2005, 38, 6965-6971.	2.2	121
18	Fourier transform infrared spectroscopy of some miscible polybenzimidazole/polyimide blends. Macromolecules, 1988, 21, 231-234.	2.2	120

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19	Thermoplastic Molecular Sieves. Chemistry of Materials, 2000, 12, 363-368.	3.2	116
20	Guest Conformation and Diffusion into Amorphous and Emptied Clathrate Phases of Syndiotactic Polystyrene. Macromolecules, 1998, 31, 1329-1334.	2.2	114
21	Crystalline structures of intercalate molecular complexes of syndiotactic polystyrene with two fluorescent guests: 1,3,5-Trimethyl-benzene and 1,4-dimethyl-naphthalene. Polymer, 2006, 47, 2402-2410.	1.8	112
22	Mechanisms of Propagation and Termination Reactions in Classical Heterogeneous Zieglerâ^'Natta Catalytic Systems:Â A Nonlocal Density Functional Study. Journal of the American Chemical Society, 1998, 120, 2428-2436.	6.6	109
23	Advanced materials based on polymer cocrystalline forms. Journal of Polymer Science, Part B: Polymer Physics, 2012, 50, 305-322.	2.4	108
24	Enantioselectivity in the Regioirregular Placements and Regiospecificity in the Isospecific Polymerization of Propene with Homogeneous Ziegler-Natta Catalysts. Journal of the American Chemical Society, 1994, 116, 2988-2995.	6.6	103
25	Polymeric sensing films absorbing organic guests into a nanoporous host crystalline phase. Sensors and Actuators B: Chemical, 2003, 92, 255-261.	4.0	103
26	Mesomorphic form of syndiotactic polystyrene as composed of small imperfect crystals of the hexagonal (.alpha.) crystalline form. Macromolecules, 1993, 26, 3772-3777.	2.2	102
27	Relationship between Regiospecificity and Type of Stereospecificity in Propene Polymerization with Zirconocene-Based Catalysts1. Journal of the American Chemical Society, 1997, 119, 4394-4403.	6.6	102
28	New Host Polymeric Framework and Related Polar Guest Cocrystals. Chemistry of Materials, 2007, 19, 3864-3866.	3.2	102
29	Regeneration of nanoporous crystalline syndiotactic polystyrene by supercritical CO2. Journal of Applied Polymer Science, 1999, 74, 2077-2082.	1.3	101
30	Detection and Memory of Nonracemic Molecules by a Racemic Host Polymer Film. Journal of the American Chemical Society, 2007, 129, 10992-10993.	6.6	101
31	High-sensitivity optical chemosensor based on coated long-period gratings for sub-ppm chemical detection in water. Applied Physics Letters, 2005, 87, 234105.	1.5	97
32	Site Chirality as a Messenger in Chain-End Stereocontrolled Propene Polymerization. Journal of the American Chemical Society, 2002, 124, 13368-13369.	6.6	96
33	Syndiotactic Polystyrene Aerogels: Adsorption in Amorphous Pores and Absorption in Crystalline Nanocavities. Chemistry of Materials, 2008, 20, 577-582.	3.2	96
34	Syndiotatic Polystyrene Aerogels with Î², Î³, and Îµ Crystalline Phases. Chemistry of Materials, 2009, 21, 1028-1034.	3.2	94
35	Label-Free Vapor Selectivity in Poly(p-Phenylene Oxide) Photonic Crystal Sensors. ACS Applied Materials & Interfaces, 2016, 8, 31941-31950.	4.0	93
36	Polymorphism in polymers. , 1992, , 183-217.		91

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37	Back-Skip of the Growing Chain at Model Complexes for the Metallocene Polymerization Catalysis. Macromolecules, 1996, 29, 4834-4845.	2.2	91
38	Coated long-period fiber gratings as high-sensitivity optochemical sensors. Journal of Lightwave Technology, 2006, 24, 1776-1786.	2.7	91
39	Fourier transform infrared spectroscopy of the polymorphic forms of syndiotactic polystyrene. Die Makromolekulare Chemie, 1990, 191, 2111-2119.	1.1	89
40	Nâ€doped <scp>TiO₂</scp>/sâ€<scp>PS</scp> aerogels for photocatalytic degradation of organic dyes in wastewater under visible light irradiation. Journal of Chemical Technology and Biotechnology, 2014, 89, 1175-1181.	1.6	89
41	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.	2.4	88
42	Probing by Time-Resolved FTIR Spectroscopy Mass Transport, Molecular Interactions, and Conformational Ordering in the System Chloroformâ^'Syndiotactic Polystyrene. Macromolecules, 2002, 35, 2296-2304.	2.2	88
43	Optical Recording Materials Based on Photoisomerization of Guest Molecules of a Polymeric Crystalline Host Phase. Advanced Materials, 2005, 17, 1166-1168.	11.1	84
44	Influence of 1,3-Diethers on the Stereospecificity of Propene Polymerization by Supported Zieglerâ^'Natta Catalysts. A Theoretical Investigation on Their Adsorption on (110) and (100) Lateral Cuts of MgCl2Platelets. Macromolecules, 2000, 33, 1134-1140.	2.2	82
45	Model catalytic sites for olefin polymerization and diastereoselectivity in the cyclopolymerization of 1,5-hexadiene. Macromolecules, 1993, 26, 260-267.	2.2	81
46	Nanoporous Crystalline Phases of Poly(2,6-Dimethyl-1,4-phenylene)oxide. Chemistry of Materials, 2011, 23, 3195-3200.	3.2	81
47	Effects of blending on the polymorphic behavior of melt-crystallized syndiotactic polystyrene. Journal of Polymer Science, Part B: Polymer Physics, 1991, 29, 265-271.	2.4	80
48	Gas sorption and transport in syndiotactic polystyrene with nanoporous crystalline phase. Polymer, 2004, 45, 429-436.	1.8	80
49	Channel Clathrate of Syndiotactic Polystyrene with p-nitroaniline. Macromolecules, 2010, 43, 1455-1466.	2.2	80
50	Steric control in Ziegler-Natta catalysts: An analysis of nonbonded interactions at model catalytic sites. Journal of Catalysis, 1982, 77, 32-42.	3.1	79
51	A Density Functional and Molecular Mechanics Study Of Î²-Hydrogen Transfer in Homogeneous Zieglerâ^'Natta Catalysis. Macromolecules, 1996, 29, 2729-2737.	2.2	78
52	Fluorescence of Syndiotactic Polystyrene/Trimethylbenzene Clathrate and Intercalate Co-Crystals. Chemistry of Materials, 2007, 19, 6041-6046.	3.2	78
53	Normal Vibrational Analysis of the Syndiotactic Polystyrene s(2/1)2 Helix. Journal of Physical Chemistry B, 2009, 113, 5059-5071.	1.2	78
54	Monoclinic and Triclinic Î´-Clathrates of Syndiotactic Polystyrene. Macromolecules, 2010, 43, 8549-8558.	2.2	78

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55	On the structure of the mesomorphic form of syndiotactic polystyrene. Die Makromolekulare Chemie, 1993, 194, 1335-1345.	1.1	77
56	FTIR spectra of pure helical crystalline phases of syndiotactic polystyrene. Polymer, 2006, 47, 234-242.	1.8	77
57	Clathrate Phase in Syndiotactic Polystyrene Gels. Macromolecules, 2002, 35, 2243-2251.	2.2	76
58	Thermal Transitions of Îµ Crystalline Phases of Syndiotactic Polystyrene. Macromolecules, 2007, 40, 9470-9474.	2.2	76
59	Models for the stereospecificity in homogeneous and heterogeneous Ziegler-Natta polymerizations. Progress in Polymer Science, 1991, 16, 239-257.	11.8	75
60	Anisotropic Diffusion of Small Penetrants in the Î´ Crystalline Phase of Syndiotactic Polystyrene:Â A Molecular Dynamics Simulation Study. Chemistry of Materials, 2002, 14, 2977-2982.	3.2	75
61	Molecular Sensing by Nanoporous Crystalline Polymers. Sensors, 2009, 9, 9816-9857.	2.1	75
62	Analysis of models for the ziegler-natta stereospecific polymerization on the basis of non-bonded interactions at the catalytic siteâ€"II. European Polymer Journal, 1980, 16, 835-842.	2.6	73
63	On blends of poly(vinylidene fluoride) and poly(vinyl fluoride). Macromolecules, 1986, 19, 1935-1938.	2.2	73
64	Polymeric Films with Three Different Uniplanar Crystalline Phase Orientations. Macromolecules, 2005, 38, 10089-10094.	2.2	73
65	Understanding at molecular level of nanoporous and co-crystalline materials based on syndiotactic polystyrene. Progress in Materials Science, 2009, 54, 68-88.	16.0	72
66	Chemically Reduced Graphite Oxide with Improved Shape Anisotropy. Journal of Physical Chemistry C, 2012, 116, 24809-24813.	1.5	71
67	Optimization of graphene-based materials outperforming host epoxy matrices. RSC Advances, 2015, 5, 36969-36978.	1.7	71
68	Ordering Magnetic Molecules within Nanoporous Crystalline Polymers. Chemistry of Materials, 2009, 21, 4750-4752.	3.2	69
69	Syndiotactic polystyrene thin film as sensitive layer for an optoelectronic chemical sensing device. Sensors and Actuators B: Chemical, 2005, 109, 177-184.	4.0	68
70	Chlorinated Guest Orientation and Mobility in Clathrate Structures Formed with Syndiotactic Polystyrene. Macromolecules, 2003, 36, 8695-8703.	2.2	67
71	Orientation and Microenvironment of Naphthalene Guest in the Host Nanoporous Phase of Syndiotactic Polystyrene. Macromolecules, 2005, 38, 3696-3702.	2.2	66
72	Anisotropic Guest Diffusion in the Î´ Crystalline Host Phase of Syndiotactic Polystyrene:Â Transport Kinetics in Films with Three Different Uniplanar Orientations of the Host Phase. Chemistry of Materials, 2006, 18, 2205-2210.	3.2	66

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73	Gas Sorption and Diffusion in Amorphous and Semicrystalline Nanoporous Poly(2,6-dimethyl-1,4-phenylene)oxide. Macromolecules, 2012, 45, 3604-3615.	2.2	66
74	Polymorphism of syndiotactic polystyrene: Î³ phase crystallization induced by bulky non-guest solvents. Polymer, 2005, 46, 9549-9554.	1.8	65
75	Syndiotactic Polystyrene Clathrates with Polar Guest Molecules. Chemistry of Materials, 2007, 19, 3302-3308.	3.2	65
76	Conditions for the Î±1-Î±2 transition in isotactic polypropylene samples. European Polymer Journal, 1984, 20, 937-941.	2.6	62
77	Guest Orientation in Uniplanar-Axial Polymer Host Films and in Co-Crystal Unit-Cell, Determined by Angular Distributions of Polarized Guest Fluorescence. Macromolecules, 2008, 41, 9156-9164.	2.2	62
78	Extrapolation to the equilibrium melting temperature for isotactic polypropylene. Macromolecules, 1985, 18, 813-814.	2.2	61
79	Isothermal Guest Desorption from Crystalline and Amorphous Phases of Syndiotactic Polystyrene. Macromolecules, 1999, 32, 2770-2776.	2.2	61
80	Monolithic Nanoporous Crystalline Aerogels. Macromolecular Rapid Communications, 2013, 34, 1194-1207.	2.0	61
81	A Theoretical Study of Syndiospecific Styrene Polymerization with Cp-Based and Cp-Free Titanium Catalysts. 2. Mechanism of Chain-End Stereocontrol. Macromolecules, 2001, 34, 5379-5385.	2.2	60
82	Possible model for chain end control of stereoregularity in the isospecific homogeneous Ziegler-Natta polymerization. Polymer, 1990, 31, 530-537.	1.8	59
83	Photoisomerization patterns based on molecular complex phases of syndiotactic polystyrene. Journal of Materials Chemistry, 2007, 17, 531-535.	6.7	59
84	Effects of p-Methylstyrene Comonomeric Units on the Polymorphic Behavior of Syndiotactic Polystyrene. Macromolecules, 1995, 28, 6508-6515.	2.2	58
85	Molecular Organization in the Pseudo-hexagonal Crystalline Phase of Ethyleneâ"Propylene Copolymers. Macromolecules, 1996, 29, 7141-7148.	2.2	58
86	Perpendicular Orientation of Host Polymer Chains in Clathrate Thick Films. Macromolecules, 2004, 37, 3071-3076.	2.2	58
87	Graphene oxide as a catalyst for ring opening reactions in amine crosslinking of epoxy resins. RSC Advances, 2016, 6, 23858-23865.	1.7	58
88	Polymeric Films with Three Different Orientations of Crystalline-Phase Empty Channels. Chemistry of Materials, 2009, 21, 3370-3375.	3.2	57
89	Stereoselective Cyclopropanation by Cyclocopolymerization of Butadiene. Journal of the American Chemical Society, 2002, 124, 3502-3503.	6.6	56
90	Clay Delamination in Hydrocarbon Rubbers. Chemistry of Materials, 2007, 19, 2495-2499.	3.2	56

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91	Catalytic activity of graphite-based nanofillers on cure reaction of epoxy resins. Polymer, 2014, 55, 5612-5615.	1.8	56
92	On the mesomorphic form of poly(ethylene terephthalate). Macromolecules, 1992, 25, 2490-2497.	2.2	54
93	On the effects of methyl substituents on chelating ligands in models for homogeneous isospecific Ziegler-Natta catalysis. Polymer, 1991, 32, 1329-1335.	1.8	53
94	Influence of Ï€-Ligand Substitutions on the Regiospecificity and Stereospecificity in Isospecific Zirconocenes for Propene Polymerization. A Molecular Mechanics Analysis. Macromolecules, 1998, 31, 3431-3438.	2.2	53
95	Perpendicular Chain Axis Orientation in s-PS Films:Â Achievement by Guest-Induced Clathrate Formation and Maintenance after Transitions toward Helical and Trans-Planar Polymorphic Forms. Macromolecules, 2004, 37, 8043-8049.	2.2	53
96	Optical chemo-sensor based on long period gratings coated with /spl delta/ form syndiotactic polystyrene. IEEE Photonics Technology Letters, 2005, 17, 1713-1715.	1.3	53
97	A Clear-Cut Experimental Method to Discriminate between In-Plane and Out-of-Plane Molecular Transition Moments. Journal of the American Chemical Society, 2005, 127, 13114-13115.	6.6	52
98	Inverting the Diastereoselectivity of the Mukaiyamaâ€“Michael Addition with Graphite-Based Catalysts. ACS Catalysis, 2014, 4, 492-496.	5.5	51
99	Different solvent stability of the crystalline polymorphic forms of syndiotactic polystyrene. Journal of Materials Science Letters, 1991, 10, 1084-1087.	0.5	50
100	Theoretical Study of Syndiospecific Styrene Polymerization with Cp-Based and Cp-Free Titanium Catalysts. 1. Mechanism of Chain Propagation. Macromolecules, 2001, 34, 2459-2468.	2.2	50
101	Thermal Stability of Nanoporous Crystalline and Amorphous Phases of Poly(2,6-dimethyl-1,4-phenylene) Oxide. Macromolecules, 2013, 46, 449-454.	2.2	50
102	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
103	Steric control in the first step of the isospecific Ziegler-Natta polymerization of propene. Macromolecules, 1982, 15, 1242-1245.	2.2	49
104	Spectroscopic Investigation of Hostâ^'Guest Interactions into Clathrate Phases of Syndiotactic Polystyrene Containing Chlorinated Compounds. Macromolecules, 2000, 33, 143-149.	2.2	49
105	Aerogels and Polymorphism of Isotactic Poly(4-methyl-pentene-1). ACS Applied Materials & Interfaces, 2011, 3, 969-977.	4.0	49
106	Conformational and packing energy of the crystalline Î± modification of syndiotactic polystyrene. European Polymer Journal, 1994, 30, 1173-1177.	2.6	48
107	Thermal and Structural Characterization of Poly(methylene-1,3-cyclopentane) Samples of Different Microstructures. Macromolecules, 1995, 28, 2383-2388.	2.2	48
108	Conformational Disorder in the Pseudohexagonal Form of Atactic Polyacrylonitrile. Macromolecules, 1996, 29, 8852-8861.	2.2	48

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109	Polymer/Gas Clathrates for Gas Storage and Controlled Release. Macromolecules, 2006, 39, 9166-9170.	2.2	48
110	Ethylene removal by sorption from polymeric crystalline frameworks. Journal of Materials Chemistry, 2008, 18, 1046.	6.7	48
111	Normal Vibrational Analysis of a trans-Planar Syndiotactic Polystyrene Chain. Journal of Physical Chemistry B, 2007, 111, 6327-6335.	1.2	47
112	Layers of Close-Packed Alternated Enantiomorphous Helices and the Three Different Uniplanar Orientations of Syndiotactic Polystyrene. Macromolecules, 2008, 41, 8632-8642.	2.2	47
113	Polyethylene Unit Cell and Crystallinity Variations as a Consequence of Different Cross-Linking Processes. Macromolecules, 2001, 34, 5175-5179.	2.2	46
114	Solid-state high-resolution 13C NMR spectra of syndiotactic polystyrene. Die Makromolekulare Chemie Rapid Communications, 1989, 10, 687-690.	1.1	45
115	Stereoselectivity and Chemoselectivity in Zieglerâ^'Natta Polymerizations of Conjugated Dienes. 1. Monomers with Low-Energy s-CisÎ·4CoordinationÂ§. Macromolecules, 2001, 34, 7952-7960.	2.2	44
116	Title is missing!. Die Makromolekulare Chemie Rapid Communications, 1982, 3, 753-756.	1.1	43
117	Polymorphism and chain conformations in the crystalline forms of syndiotactic poly(1-butene). Macromolecules, 1991, 24, 5645-5650.	2.2	43
118	Molecular Mechanics and Stereospecificity in Zieglerâ^'Natta 1,2 and Cis-1,4 Polymerizations of Conjugated Dienes. Macromolecules, 1997, 30, 677-684.	2.2	43
119	Regioâ€•and Enantioselective Friedelâ€“Crafts Reactions of Indoles to Epoxides Catalyzed by Graphene Oxide: A Green Approach. ChemSusChem, 2014, 7, 3279-3283.	3.6	43
120	Title is missing!. Die Makromolekulare Chemie Rapid Communications, 1984, 5, 631-634.	1.1	42
121	Hydrogen Adsorption by Î´ and Îµ Crystalline Phases of Syndiotactic Polystyrene Aerogels. Macromolecules, 2010, 43, 8594-8601.	2.2	42
122	E Stereoregular 1,1 and 1,3 Constitutional Units from 1,3-Butadiene in Copolymerizations Catalyzed by a Highly Hindered C2 Symmetric Metallocene. Journal of the American Chemical Society, 2003, 125, 4799-4803.	6.6	41
123	Butadiene Insertion and Constitutional Units in Ethene Copolymerizations byC2-Symmetric Metallocenes. Macromolecules, 2003, 36, 9067-9074.	2.2	41
124	Processing, thermal stability and morphology of chiral sensing syndiotactic polystyrene films. Journal of Materials Chemistry, 2008, 18, 567-572.	6.7	41
125	Graphite oxide intercalation compounds with rotator hexagonal order in the intercalated layers. Carbon, 2013, 61, 395-403.	5.4	41
126	Structural analogies between homogeneous and heterogeneous catalysts for the stereospecific polymerization of 1-alkenes. Journal of Molecular Catalysis, 1992, 74, 433-442.	1.2	40

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127	A chiral co-crystalline form of poly(2,6-dimethyl-1,4-phenylene)oxide (PPO). Journal of Materials Chemistry, 2012, 22, 11672.	6.7	40
128	Monolithic nanoporousâ€“crystalline aerogels based on PPO. RSC Advances, 2012, 2, 12011.	1.7	40
129	Miscible polybenzimidazole blends with a benzophenone-based polyimide. Journal of Polymer Science, Part B: Polymer Physics, 1988, 26, 301-313.	2.4	39
130	Polymorphism of syndiotactic poly(p-methylstyrene): oriented samples. Polymer, 1996, 37, 5247-5253.	1.8	39
131	Dipolar guest orientation in polymer co-crystals and macroscopic films. CrystEngComm, 2009, 11, 2381.	1.3	39
132	Ferroelectric co-crystalline polymers. Journal of Materials Chemistry, 2011, 21, 19074.	6.7	39
133	Solubility and diffusivity of low molecular weight compounds in semi-crystalline poly-(2,6-dimethyl-1,4-phenylene)oxide: The role of the crystalline phase. Journal of Membrane Science, 2013, 443, 100-106.	4.1	39
134	X-ray photoelectron spectroscopy of reduced graphene oxide prepared by a novel green method. Vacuum, 2015, 119, 159-162.	1.6	39
135	Nanoporous triclinic Î´ modification of syndiotactic polystyrene. Polymer, 2015, 63, 230-236.	1.8	39
136	Syndiotactic Polystyrene Physical Gels:Â Guest Influence on Structural Order in Molecular Complex Domains and Gel Transparency. Macromolecules, 2006, 39, 7578-7582.	2.2	38
137	Syndiotactic Polystyrene Films with Sulfonated Amorphous Phase and Nanoporous Crystalline Phase. Chemistry of Materials, 2009, 21, 3191-3196.	3.2	38
138	New model of the origin of the stereospecificity in the synthesis of syndiotactic polypropylene. Macromolecules, 1985, 18, 2030-2034.	2.2	37
139	Physical Gelation of Syndiotactic Polystyrene in the Presence of Large Molar Volume Solvents Induced by Volatile Guests of Clathrate Phases. Macromolecules, 2003, 36, 1713-1716.	2.2	37
140	Title is missing!. Die Makromolekulare Chemie, 1989, 190, 827-835.	1.1	36
141	Monoalkene Polymerization: Stereospecificity. , 1989, , 29-50.		36
142	Selective Molecularâ^'Complex Phase Formation of Syndiotactic Polystyrene with a Styrene Dimer. Macromolecules, 2006, 39, 9171-9176.	2.2	36
143	Nanoporous-crystalline poly(2,6-dimethyl-1,4-phenylene)oxide (PPO) aerogels. Polymer, 2016, 105, 96-103.	1.8	36
144	Hostâ^'Guest Interactions and Crystalline Structure Evolution in Clathrate Phases Formed by Syndiotactic Polystyrene and 1,2-Dichloroethane:Â A Two-Dimensional FTIR Spectroscopy Investigation. Macromolecules, 2005, 38, 6079-6089.	2.2	35

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145	Intercalation and Exfoliation Compounds of Graphite Oxide with Quaternary Phosphonium Ions. Chemistry of Materials, 2015, 27, 1590-1596.	3.2	35
146	Nanoporous-crystalline films of PPO with parallel and perpendicular polymer chain orientations. Polymer, 2019, 167, 193-201.	1.8	35
147	Chiral Optical Films Based on Achiral Chromophore Guests. Journal of the American Chemical Society, 2011, 133, 9872-9877.	6.6	34
148	Polymorphism and mechanical properties of syndiotactic polystyrene films. Polymer, 2005, 46, 11435-11441.	1.8	33
149	Uniplanar Orientations as a Tool To Assign Vibrational Modes of Polymer Chain. Macromolecules, 2007, 40, 3895-3897.	2.2	33
150	Three different co-crystalline phases of syndiotactic polystyrene with a nitroxide radical. CrystEngComm, 2010, 12, 3942.	1.3	33
151	Azobenzene isomerization in polymer co-crystalline phases. Polymer, 2012, 53, 2727-2735.	1.8	33
152	Blends of two poly(aryl ether ketones). Polymer, 1988, 29, 1016-1020.	1.8	32
153	Mechanism of monomer insertion for heterogeneous isospecific Ziegler-Natta catalytic models. European Polymer Journal, 1991, 27, 45-54.	2.6	32
154	Control of Crystal Size and Orientation in Polymer Films by Hostâ^'Guest Interactions. Macromolecules, 2006, 39, 4820-4823.	2.2	32
155	Recrystallization kinetics of isotactic polypropylene (Î±-form). Polymer, 1984, 25, 1462-1464.	1.8	31
156	A Possible Interpretation of the Nonlinear Propagation Rate Laws for Insertion Polymerizations:Â A Kinetic Model Based on a Single-Center, Two-State Catalyst. Macromolecules, 1999, 32, 2104-2109.	2.2	31
157	Chloroform sorption in nanoporous crystalline and amorphous phases of syndiotactic polystyrene. Journal of Polymer Science, Part B: Polymer Physics, 2008, 46, 8-15.	2.4	31
158	Formation of clay intercalates with organic bilayers in hydrocarbon polymers. Polymers for Advanced Technologies, 2009, 20, 135-142.	1.6	31
159	Geometry of Complex Molecular Motions of Guest Molecules in Polymers from Solid State 2H NMR. Macromolecules, 2009, 42, 4929-4931.	2.2	31
160	Crystal structure of the form I of syndiotactic poly(1-butene). Die Makromolekulare Chemie, 1992, 193, 1351-1358.	1.1	30
161	Storage of hydrogen as a guest of a nanoporous polymeric crystalline phase. Physical Chemistry Chemical Physics, 2010, 12, 5369.	1.3	30
162	Crystallinity and crystalline phase orientation of poly(1,4-cis-isoprene) fromHevea brasiliensisandTaraxacum kok-saghyz. Polymers for Advanced Technologies, 2016, 27, 1082-1090.	1.6	30

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163	Crystalline orientation and molecular transport properties in nanoporous syndiotactic polystyrene films. Macromolecular Symposia, 2002, 185, 65-75.	0.4	29
164	(E)-(Z) Selectivity in 2-Butene Copolymerization by Group 4 Metallocenes. A Combined Density Functional Theory and Molecular Mechanics Study. Journal of the American Chemical Society, 1999, 121, 8651-8652.	6.6	28
165	Mechanism ofUnlikeStereoselectivity in 1-Alkene Primary Insertions:Â Syndiospecific Propene Polymerization by Brookhart-Type Nickel(II) Catalysts. Organometallics, 2000, 19, 1343-1349.	1.1	28
166	Evaluation of the Amount and Composition of the Polymer-Rich and Polymer-Poor Phases of Syndiotactic Polystyrene Gels with Binary Solvent Mixtures. Macromolecules, 2003, 36, 5742-5750.	2.2	28
167	Monolithic Polymeric Aerogels with VOCs Sorbent Nanoporous Crystalline and Water Sorbent Amorphous Phases. ACS Applied Materials & Interfaces, 2015, 7, 1318-1326.	4.0	28
168	Conformational analysis of polypropylene chains bound to model catalytic sites. European Polymer Journal, 1984, 20, 1177-1182.	2.6	27
169	2H NMR Study of Aromatic Guest Dynamics in Clathrate Phases of Syndiotactic Polystyrene. Macromolecular Chemistry and Physics, 2005, 206, 715-724.	1.1	27
170	Influence of constitutional defects on polymorphic behaviour and properties of alternating ethylene-tetrafluoroethylene copolymer. Polymer, 1995, 36, 967-973.	1.8	26
171	Crystal Structure of Form III of Syndiotactic Poly(p-methylstyrene). Macromolecules, 1995, 28, 5507-5511.	2.2	26
172	Sub-Tg annealing of the clathrate Î´ form of syndiotactic polystyrene. Macromolecular Chemistry and Physics, 1998, 199, 2671-2675.	1.1	26
173	Induced vibrational circular dichroism and polymorphism of syndiotactic polystyrene. Chirality, 2010, 22, E67-73.	1.3	26
174	Poly(<scp>l</scp>-lactic acid): Uniplanar Orientation in Cocrystalline Films and Structure of the Cocrystalline Form with Cyclopentanone. Macromolecules, 2015, 48, 7513-7520.	2.2	26
175	Thermal Transitions of Polyacrylonitrile Fibers. Macromolecules, 1996, 29, 1830-1832.	2.2	25
176	Polymorphic Behavior of Syndiotactic Poly(p-chlorostyrene) and Styrene/p-Chlorostyrene Cosyndiotactic Random Copolymers. Macromolecules, 2003, 36, 7577-7584.	2.2	25
177	Guest-Induced Syndiotactic Polystyrene Cocrystal Formation from Î³ and Î± Phases. Macromolecules, 2008, 41, 2683-2688.	2.2	25
178	Chemical Stabilization of Hexanal Molecules by Inclusion as Guests of Nanoporous-Crystalline Syndiotactic Polystyrene Crystals. Macromolecules, 2019, 52, 2255-2264.	2.2	25
179	Stereoselectivity and chemoselectivity in Zieglerâ€“Natta polymerization of conjugated dienes. 2. Mechanism for 1,2 syndiotactic polymerization of diene monomers with high energy s-cis Î·4 coordination. Polymer, 2004, 45, 467-485.	1.8	24
180	Syndiotactic polystyrene films with a cocrystalline phase including carvacrol guest molecules. Journal of Polymer Science, Part B: Polymer Physics, 2014, 52, 657-665.	2.4	24

#	Article	IF	Citations
181	Etched Fibers of Syndiotactic Polystyrene with Nanoporous-Crystalline Phases. Macromolecules, 2018, 51, 6138-6148.	2.2	24
182	Stereoselectivity of the model catalytic site proposed for the isospecific Ziegler-Natta polymerization of the .alpha.-olefins. Macromolecules, 1985, 18, 1401-1406.	2.2	23
183	Influence of Regio- and Stereoregularity of Propene Insertion on Crystallization Behavior and Elasticity of Etheneâ^'Propene Copolymers. Journal of the American Chemical Society, 2002, 124, 1566-1567.	6.6	23
184	Chiro-optical Materials Based on a Racemic Polymer. Macromolecules, 2010, 43, 1882-1887.	2.2	23
185	Control of guest transport in polymer films by structure and orientation of nanoporous-crystalline phases. Polymer, 2013, 54, 1671-1678.	1.8	23
186	Uniplanar Orientations and Guest Exchange in PPO Cocrystalline Films. Macromolecules, 2013, 46, 3995-4001.	2.2	23
187	Delaminated and intercalated organically modified montmorillonite in poly(1,4-cis-isoprene) matrix. Indications of counterintuitive dynamic-mechanical behavior. Applied Clay Science, 2014, 97-98, 8-16.	2.6	23
188	Îµ Form Gels and Aerogels of Syndiotactic Polystyrene. Macromolecules, 2015, 48, 1187-1193.	2.2	23
189	Circularly polarized luminescence of syndiotactic polystyrene. Optical Materials, 2017, 73, 595-601.	1.7	23
190	Single-phase block copolymers by cross-metathesis of 1,4-cis-polybutadiene and 1,4-cis-polyisoprene. Polymer, 2017, 130, 143-149.	1.8	23
191	PLA Melt Stabilization by High-Surface-Area Graphite and Carbon Black. Polymers, 2018, 10, 139.	2.0	23
192	Reactivity ofZandEIsomers, Growing Chain Isomerization, and Chain Transfer Reactions in Ethene/2-Butene Copolymerization by Metallocene-Based Catalysts. Macromolecules, 2000, 33, 4647-4659.	2.2	22
193	Clathrate Phases of Styrene/p-Methylstyrene co-Syndiotactic Copolymers. Macromolecular Chemistry and Physics, 2003, 204, 859-867.	1.1	22
194	Rayleigh scattering by graphene-oxide in syndiotactic polystyrene aerogels. Carbon, 2014, 77, 896-905.	5.4	22
195	Microporous-crystalline microfibers by eco-friendly guests: An efficient tool for sorption of volatile organic pollutants. Microporous and Mesoporous Materials, 2016, 232, 205-210.	2.2	22
196	Temperature dependence of intramolecular disorder in the high-temperature phase of poly(tetrafluoroethylene) (phase I). Macromolecules, 1988, 21, 1174-1176.	2.2	21
197	Allyltrimethylsilane polymers from metallocene catalysts: tacticity and structural characterization. Polymer, 1994, 35, 4648-4655.	1.8	21
198	Low temperature melting behavior of CO2 crystallized modified PETs. Polymer Engineering and Science, 1995, 35, 506-512.	1.5	21

#	Article	IF	Citations
199	Crystal structure of syndiotactic poly (4-methyl-1-pentene). Polymer, 1995, 36, 3619-3624.	1.8	21
200	Pseudohexagonal crystallinity and thermal and tensile properties of ethene-propene copolymers. Journal of Polymer Science, Part B: Polymer Physics, 1999, 37, 1095-1103.	2.4	21
201	Control of organoclay structure in hydrocarbon polymers. Polymers for Advanced Technologies, 2010, 21, 679-684.	1.6	21
202	Efficient Modulation of Polyethylene Microstructure by Proper Activation of (Î±-Diimine)Ni(II) Catalysts: Synthesis of Well-Performing Polyethylene Elastomers. Macromolecules, 2017, 50, 6586-6594.	2.2	21
203	Possible Models for the Steric Control in the Heterogeneous High-Yield and Homogeneous Ziegler-Natta Polymerizations of 1-alkenes. , 1988, , 337-348.		21
204	Crystalline order and melting behaviour of isotactic polypropylene (Î±-form). Journal of Theoretical Biology, 1985, 30, 1331-1335.	0.8	20
205	X-ray analysis on unoriented and oriented samples of the quenched form of isotactic polypropylene. Die Makromolekulare Chemie Rapid Communications, 1985, 6, 573-575.	1.1	20
206	A model for the homogeneous isospecific Ziegler-Natta polymerization of olefins: Enantioselectivity in the deuteration and deuteriooligomerization of 1-alkenes. Chirality, 1991, 3, 299-306.	1.3	20
207	Chain conformation and unit cell in the crystalline phase of syndiotactic poly(4-methyl-1-pentene). Macromolecules, 1992, 25, 6938-6942.	2.2	20
208	Chemoselective mechanism of (Z)-1,3-pentadiene polymerization in the presence of cyclopentadienyltitanium trichloride and methylaluminoxane. Macromolecular Chemistry and Physics, 1998, 199, 149-154.	1.1	20
209	Organoclays with hexagonal rotator order for the paraffinic chains of the compensating cation. Implications on the structure of clay polymer nanocomposites. Applied Clay Science, 2014, 87, 179-188.	2.6	20
210	Edge-Oxidation of Graphites by Hydrogen Peroxide. Langmuir, 2019, 35, 2244-2250.	1.6	20
211	Effect of moisture on the crystallization behavior of PET from the quenched amorphous phase. Journal of Applied Polymer Science, 1991, 43, 1087-1089.	1.3	19
212	Doubly Bridgedansa-Zirconocenes Based on the Norbornadiene Skeleton: A Quantum Mechanical and Molecular Mechanics Study. Organometallics, 1996, 15, 2254-2263.	1.1	19
213	Disordered Nanoporous Crystalline Modifications of Syndiotactic Polystyrene. Journal of Solution Chemistry, 2014, 43, 158-171.	0.6	19
214	Mechanical properties of glass-bead filled polystyrene composites. Composites, 1981, 12, 33-37.	0.9	18
215	Fourier transform analysis of models for the disordered phases (IV and I) of poly(tetrafluoroethylene). Macromolecules, 1987, 20, 3043-3046.	2.2	18
216	Catalytic activity of benzimidazole in the imidization of polyamic acids. Journal of Applied Polymer Science, 1988, 36, 243-248.	1.3	18

#	Article	IF	Citations
217	Fourier-transform analysis of models for the orthorhombic crystal phase of the alternating ethylene-tetrafluoroethylene copolymer. Polymer, 1992, 33, 22-26.	1.8	18
218	Conformational Analysis of Poly(methylene-1,3-cyclopentylene) and Chain Conformation in the Crystalline Phase. Macromolecules, 1995, 28, 7355-7362.	2.2	18
219	Graphite oxide as catalyst for diastereoselective Mukaiyama aldol reaction of 2-(trimethylsilyloxy)furan in solvent free conditions. Journal of Molecular Catalysis A, 2015, 408, 237-241.	4.8	18
220	Intercalation compounds of oxidized carbon black. RSC Advances, 2016, 6, 105565-105572.	1.7	18
221	High diffusivity dense films of a nanoporous-crystalline polymer. Polymer, 2021, 229, 124005.	1.8	18
222	Geometrical and energetical feasibility of a highly extended chain conformation for isotactic polystyrene. European Polymer Journal, 1980, 16, 1089-1092.	2.6	17
223	Structural variations in random copolymers of tetrafluoroethylene with kind and content of comonomer units. Polymer, 1998, 39, 3205-3209.	1.8	17
224	Crystalline phase orientation in biaxially stretched isotactic polypropylene films. Macromolecular Symposia, 2002, 185, 53-63.	0.4	17
225	Green Regioâ€•and Enantioselective Aminolysis Catalyzed by Graphite and Graphene Oxide under Solventâ€Free Conditions. ChemCatChem, 2016, 8, 1915-1920.	1.8	17
226	Polymorphism of Poly(2,6-dimethyl-1,4-phenylene)oxide in Axially Stretched Films. Macromolecules, 2020, 53, 2287-2294.	2.2	17
227	Crystallization of poly(ethylene terephthalate) (PET) from the oriented mesomorphic form. Journal of Applied Polymer Science, 1994, 52, 875-885.	1.3	16
228	(E)â^'(Z) Selectivity in the Polymerization of 2-Butene Promoted by Ni(II) Brookhart-Type Catalysts. Macromolecules, 2005, 38, 2072-2075.	2.2	16
229	Two Different Uniplanarâ€“Axial Orientations of Syndiotactic Polystyrene Films. Macromolecules, 2011, 44, 5671-5681.	2.2	16
230	Polyethylene waxes by metallocenes. Polymers for Advanced Technologies, 2011, 22, 458-462.	1.6	16
231	Clay exfoliation and polymer/clay aerogels by supercritical carbon dioxide. Frontiers in Chemistry, 2013, 1, 28.	1.8	16
232	Axially Oriented Nanoporous Crystalline Phases of Poly(2,6-dimethyl-1,4-phenylene)oxide. ACS Applied Polymer Materials, 2020, 2, 3518-3524.	2.0	16
233	High-Resolution Solid State13C Nuclear Magnetic Resonance Spectrum of Form I of Syndiotactic Poly(1-butene). Macromolecules, 1996, 29, 471-472.	2.2	15
234	Models for the Explanation of the Stereospecific Behaviour of Ziegler â€" Natta Catalysts. , 1995, , 237-249.		15

#	Article	IF	Citations
235	High Selectivity in Polymerization of (Z)-1,3-Pentadiene, with the CpTiCl3â^'MAO Catalytic System, Generated by Backbiting Coordinations of the Growing Polydienyl Chain. Macromolecules, 2004, 37, 2016-2020.	2.2	14
236	Molecular Modeling of Stereo- and Regioselectivity of Group 4 Heterocenes in the Polymerization of Propene. Macromolecules, 2005, 38, 3973-3976.	2.2	14
237	Fast uptake of organic pollutants from dilute aqueous solutions by nanoporous-crystalline PPO films with c-perpendicular orientation. European Polymer Journal, 2021, 161, 110864.	2.6	14
238	Structural characterization of vinylidene fluoride/vinyl fluoride copolymers. Die Makromolekulare Chemie, 1989, 190, 2203-2210.	1.1	13
239	Title is missing!. Die Makromolekulare Chemie, 1992, 193, 2413-2420.	1.1	13
240	Activity and Microstructure Variations with Temperature in Conjugated Diene Polymerizations Catalyzed by CpTiCl3â^'MAO. Macromolecules, 2005, 38, 6327-6335.	2.2	13
241	Monolithic Aerogels Based on Poly(2,6-diphenyl-1,4-phenylene oxide) and Syndiotactic Polystyrene. ACS Applied Materials & Interfaces, 2013, 5, 5493-5499.	4.0	13
242	Enantiomeric guests with the same signs of chiral optical responses. Chemical Communications, 2014, 50, 8185-8188.	2.2	13
243	Delamination of organically modified montmorillonite for reducing the filler networking with carbon black in poly(1,4-cis-isoprene) based nanocomposites. Applied Clay Science, 2015, 104, 8-17.	2.6	13
244	Oxidized Carbon Black as an Activator of Transesterification Reactions under Solvent-Free Conditions. ACS Omega, 2017, 2, 7862-7867.	1.6	13
245	Planar Orientation and Transparency of Nanoporous-Crystalline Polymer Films. Macromolecules, 2021, 54, 6605-6611.	2.2	13
246	Melting and solid phase transitions of isothermally crystallized copolymers of tetrafluoroethylene and hexafluoropropylene. European Polymer Journal, 1988, 24, 445-448.	2.6	12
247	X-ray diffraction, conformational analysis and stereoregularity of a crystalline poly(3-methyl-1,) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.8	12
248	Evaluation of the amount of defects in the comonomer alternation included in the crystal phase for ethyleneâ€"tetrafluoroethylene and ethyleneâ€"chlorotrifluoroethylene alternating copolymers. Journal of Applied Polymer Science, 1995, 56, 271-278.	1.3	12
249	Polymorphism of syndiotactic poly(p-fluoro-styrene). Polymer, 2009, 50, 1901-1907.	1.8	12
250	Packaging technology for improving shelfâ€life of fruits based on a nanoporousâ€"crystalline polymer. Journal of Applied Polymer Science, 2018, 135, 46256.	1.3	12
251	High Surface Area Nanoporous-Crystalline Polymer Films. Macromolecules, 2022, 55, 2983-2990.	2.2	12
252	Title is missing!. Die Makromolekulare Chemie, 1984, 185, 2599-2608.	1.1	11

#	Article	IF	Citations
253	Conformational analysis of highly extended poly(ethylene terephthalate) chains by Monte Carlo calculations. Macromolecular Theory and Simulations, 1995, 4, 165-176.	0.6	11
254	A chloroform transducer based on sPS-Î´-coated quartz-crystal microbalance for gaseous environment. IEEE Transactions on Instrumentation and Measurement, 2005, 54, 31-37.	2.4	11
255	Negatively Birefringent Polymer Films. Macromolecular Chemistry and Physics, 2009, 210, 2148-2152.	1.1	11
256	Semicrystalline proton-conductive membranes with sulfonated amorphous phases. International Journal of Hydrogen Energy, 2011, 36, 8038-8044.	3.8	11
257	Spectroscopic Investigation of Guestâ€“Guest Interactions in the Nanoporous-Crystalline Î´ and Îµ Forms of Syndiotactic Polystyrene. Journal of Physical Chemistry C, 2014, 118, 11774-11783.	1.5	11
258	Catalytic Activity of Oxidized Carbon Black and Graphene Oxide for the Crosslinking of Epoxy Resins. Polymers, 2017, 9, 133.	2.0	11
259	Mechanisms determining different planar orientations in PPO films crystallized by guest sorption. Polymer, 2021, 235, 124242.	1.8	11
260	Dependence on Film Thickness of Guest-Induced c Perpendicular Orientation in PPO Films. Polymers, 2021, 13, 4384.	2.0	11
261	Fenomeni di ordine-disordine nelle forme polimorfe cristalline Î± e Î² del polistirene sindiotattico. Rendiconti Lincei, 1991, 2, 227-237.	1.0	10
262	Molecular mechanics and the polymerization mechanism of homogeneous and heterogeneous Zieglerâ€Natta catalysts. Makromolekulare Chemie Macromolecular Symposia, 1993, 69, 237-246.	0.6	10
263	Molecular mechanics and mechanisms of regulation of the stereospecificity in Zieglerâ€Natta catalysis. Macromolecular Symposia, 1995, 89, 307-319.	0.4	10
264	rac-[CH2(3-tert-butyl-1-indenyl)2]ZrCl2/MAO in the Copolymerization of Olefins and Dienes. Macromolecular Symposia, 2006, 234, 128-138.	0.4	10
265	Crystallization from the amorphous form of the nanoporous É› form of syndiotactic polystyrene. Polymer, 2010, 51, 4599-4605.	1.8	10
266	Intercalate Co-Crystals of Syndiotactic Polystyrene with Benzyl methacrylate and Radiation-Induced Guest Polymerization. Macromolecules, 2010, 43, 10560-10567.	2.2	10
267	Guest induced transition from Î² to Î± nanoporous crystalline forms of PPO. Polymer, 2020, 187, 122083.	1.8	10
268	Benzene-Induced Crystallization of PPO: A Combined Thermodynamic and Vibrational Spectroscopy Study. Industrial & Engineering Chemistry Research, 2020, 59, 5402-5411.	1.8	10
269	Monomeric and Dimeric Carboxylic Acid in Crystalline Cavities and Channels of Delta and Epsilon Forms of Syndiotactic Polystyrene. Polymers, 2021, 13, 3330.	2.0	10
270	Influence of the antimony catalyst remnants on the melt crystallization of PET. Journal of Applied Polymer Science, 1993, 48, 1997-2001.	1.3	9

#	Article	IF	Citations
271	Chemical separations by nanoporous crystalline samples of syndiotactic polystyrene. Macromolecular Symposia, 1999, 138, 131-137.	0.4	9
272	Melt-Extruded Films of a Commercial Polymer with Intense Chiral Optical Response of Achiral Guests. Macromolecules, 2014, 47, 2616-2624.	2.2	9
273	Thermally stable, solvent resistant and flexible graphene oxide paper. RSC Advances, 2016, 6, 44522-44530.	1.7	9
274	Oxidized Carbon Black as Catalyst for the Enamine Formation in Solventâ€Free Conditions: A Green Strategy to Build the Benzodiazepine Scaffold. ChemistrySelect, 2017, 2, 10559-10564.	0.7	9
275	Grapheneâ€Based Carbocatalysts for Thermoset Polymers and for Diastereoselective and Enantioselective Organic Synthesis. ChemCatChem, 2018, 10, 2350-2359.	1.8	9
276	Graphene Oxide and Oxidized Carbon Black as Catalyst for Crosslinking of Phenolic Resins. Polymers, 2019, 11, 1330.	2.0	9
277	Catalytic Activity of Oxidized Carbon Waste Ashes for the Crosslinking of Epoxy Resins. Polymers, 2019, 11, 1011.	2.0	9
278	Axial Orientation of Co-Crystalline Phases of Poly(2,6-Dimethyl-1,4-Phenylene)Oxide Films. Polymers, 2020, 12, 2394.	2.0	9
279	Melting of nanoporous-crystalline and co-crystalline solution cast films of poly(2,6-dimethyl-1,4-phenylene) oxide. Polymer, 2021, 228, 123935.	1.8	9
280	Axially oriented guest induced crystallization in syndiotactic polystyrene unstretched fibers. Polymer, 2021, 228, 123908.	1.8	9
281	Synthesis of Reduced Graphite Oxide by a Novel Green Process Based on UV Light Irradiation. Science of Advanced Materials, 2015, 7, 2445-2451.	0.1	9
282	The viscoelastic and equilibrium rheooptical behaviour of crosslinked ethylene-propylene copolymers. Colloid and Polymer Science, 1981, 259, 1190-1197.	1.0	8
283	Title is missing!. Die Makromolekulare Chemie, 1992, 193, 549-558.	1.1	8
284	A Preliminary Study of Host-Guest Interactions in Polymeric Clathrates â€“ An Ab Initio Study of the Model Complexes Benzene/X2 (X = F, Cl, Br, I). European Journal of Inorganic Chemistry, 1998, 1998, 1513-1517.	1.0	8
285	A possible unified mechanism of like and unlike chain-end stereocontrol for primary propene-coordinated polymerizations. Macromolecular Chemistry and Physics, 2002, 203, 1564-1572.	1.1	8
286	On the crystallization behavior of syndiotactic-b-atactic polystyrene stereodiblock copolymers, atactic/syndiotactic polystyrene blends, and aPS/sPS blends modified with sPS-b-aPS. Materials Chemistry and Physics, 2013, 141, 891-902.	2.0	8
287	Control of Guest Thermal Release by Crystalline Host Orientation. ACS Applied Polymer Materials, 2021, 3, 949-955.	2.0	8
288	Isolated and aggregated carvacrol guest molecules in cocrystalline poly(2,6-dimethyl-1,4-phenylene)oxide films. Polymer Journal, 0, , .	1.3	8

#	Article	IF	Citations
289	Polymer co-crystalline films for photonics. Journal of the European Optical Society-Rapid Publications, 0, 4, .	0.9	8
290	Pseudo-Hexagonal Crystallinity in Ethene-Styrene Random Copolymers. Macromolecular Chemistry and Physics, 2001, 202, 382-387.	1.1	7
291	Thermal crosslinking of ethene copolymers containing 1,2-cyclopropane units. Polymer, 2005, 46, 2847-2853.	1.8	7
292	Infrared linear dichroism as a tool to evaluate volatile guest partition between amorphous and nanoporousâ€crystalline polymer phases. Journal of Polymer Science, Part B: Polymer Physics, 2012, 50, 1474-1479.	2.4	7
293	Racemic synthetic polymers and chirality. Rendiconti Lincei, 2013, 24, 217-226.	1.0	7
294	Green and Facile Esterification Procedure Leading to Crystalline-Functionalized Graphite Oxide. Langmuir, 2017, 33, 6819-6825.	1.6	7
295	Molecular Features Behind Formation of Î± or Î² Co-Crystalline and Nanoporous-Crystalline Phases of PPO. Frontiers in Chemistry, 2021, 9, 809850.	1.8	7
296	Ab Initio and Molecular Mechanics Study of Conformational Selectivity of Chlorinated Compounds Adsorbed in the Clathrate Phase of Syndiotactic Polystyrene. The Role of Electrostatic Host-Guest Interactions. Macromolecular Theory and Simulations, 2001, 10, 349-354.	0.6	6
297	Thermal Behavior of Syndiotactic Polystyrene/1,2â€Dichloroethane Gels and Stoichiometry of Polymerâ€Solvent Compounds. Soft Materials, 2004, 2, 47-56.	0.8	6
298	Nanoporous Crystalline and Cross-Linked Polymeric Materials. Macromolecules, 2009, 42, 5566-5571.	2.2	6
299	Syndiotactic Polystyrene Films with Different Uniplanar Orientations: Additional Information on Crystal Phase Transitions. Macromolecular Chemistry and Physics, 2013, 214, 41-45.	1.1	6
300	Nanoporous Crystalline Polymer Materials for Environmental Applications. Macromolecular Symposia, 2016, 369, 19-25.	0.4	6
301	Intercalation compounds of a smectite clay with an ammonium salt biocide and their possible use for conservation of cultural heritage. Heliyon, 2019, 5, e02991.	1.4	6
302	Effects of postcuring and water sorption on the mechanical properties of composite dental restorative materials. Biomaterials, 1983, 4, 228-229.	5.7	5
303	Additives in transparent glassy polymers: Concentration profiles obtained by solvent diffusion technique. Journal of Applied Polymer Science, 1984, 29, 2271-2279.	1.3	5
304	Evaluation of the orientation coefficient for the c axis in poly(ethylene terephthalate) fibers. Journal of Polymer Science, Part B: Polymer Physics, 1995, 33, 1917-1924.	2.4	5
305	Oriented Nanoporous HostÎ´ Phases of Syndiotactic Polystyrene as a Tool for Spectroscopic Investigation of Guest Molecules. Macromolecular Symposia, 2006, 234, 102-110.	0.4	5
306	Sulfonated syndiotactic polystyrene: sorption of ionic liquid in the amorphous phase and of organic guests in the crystalline phase. Polymers for Advanced Technologies, 2013, 24, 56-61.	1.6	5

#	Article	IF	Citations
307	Layered double hydroxides with low Al content and new intercalate structures. Applied Clay Science, 2013, 71, 27-31.	2.6	5
308	c-Perpendicular Orientation of Poly(ÊŸ-lactide) Films. Polymers, 2021, 13, 1572.	2.0	5
309	A Density Functional Theory Study of the Syndiotactic-Specific Polymerization of Styrene. , 2001, , 299-306.		5
310	Use of polymeric materials in the assembly of solar cells. Solar Energy, 1983, 30, 421-424.	2.9	4
311	Thermal shrinkage and heat capacity of monolithic polymeric physical aerogels. Polymer, 2020, 210, 123073.	1.8	4
312	Antimicrobial release from cleaning poultices for the conservation and disinfection of stone surfaces. Applied Clay Science, 2020, 193, 105667.	2.6	4
313	Unusual recrystallization and melting behaviour in DSC scans of isotactic polypropylene samples. Journal of Theoretical Biology, 1985, 30, 1337-1342.	0.8	3
314	Effects of distortional components in biaxial stretching of poly (ethylene terephthalate) sheets on dimensional stability and structure. Journal of Materials Science, 1994, 29, 3151-3160.	1.7	3
315	Clathrates with tetrahydrofuran of styrene-p-methyl styrene co-syndiotactic copolymers. Macromolecular Symposia, 2001, 166, 165-172.	0.4	3
316	Infrared spectra and thermal reactivity of ethene copolymers containing 1,2-cyclopropane units. Polymer, 2006, 47, 2274-2279.	1.8	3
317	Structure and Sorption Properties of Syndiotactic Polystyrene Aerogels. ACS Symposium Series, 2010, , 131-147.	0.5	3
318	Intense Chiral Optical Phenomena in Racemic Polymers by Cocrystallization With Chiral Guest Molecules: A Brief Overview. Chirality, 2016, 28, 29-38.	1.3	3
319	Hexagonal rotator order of bound ionic surfactants and temperature triggered dispersion of carbon nanotubes. Carbon, 2018, 127, 228-235.	5.4	3
320	Graphite functionalization by ball milling with sulfur. SN Applied Sciences, 2019, 1, 1.	1.5	3
321	Processing and strain induced crystallization and reinforcement under strain of poly(1,4-cis-isoprene) from Zieglerâ€“Natta catalysis, hevea brasiliensis, taraxacum kok-saghyz and partenium argentatum. Advanced Industrial and Engineering Polymer Research, 2019, 2, 1-12.	2.7	3
322	Nanoporous Crystalline Composite Aerogels with Reduced Graphene Oxide. Molecules, 2020, 25, 5241.	1.7	3
323	Fast uptake of organic pollutants from dilute aqueous solutions by nanoporous-crystalline PPO films with c-perpendicular orientation. European Polymer Journal, 2022, 164, 110976.	2.6	3
324	câ€perpendicular orientation in thin <scp>nanoporousâ€crystalline</scp> poly(2,6â€dimethylâ€1,4â€phenylene)oxide films. Polymers for Advanced Technologies, 2022, 33, 2344-2351.	1.6	3

#	Article	IF	Citations
325	Influence of Tacticity of Propylene Placement on Structure and Properties of Ethylene/Propylene Copolymers. , 2007, , 313-341.		2
326	Influence of Supercritical Carbon Dioxide Extraction Temperature on the Crystalline Structure and the Morphology of Syndiotactic Polystyrene Aerogels. Macromolecular Symposia, 2008, 273, 135-138.	0.4	2
327	Reinforcement of diene elastomers by organically modified layered silicates. E-Polymers, 2009, 9, .	1.3	2
328	Cure reaction of epoxy resins catalyzed by graphite-based nanofiller. AIP Conference Proceedings, 2015, , .	0.3	2
329	Vibrational Spectra of Poly(ethylene terephthalate) Chains in the Mesomorphic Form. Macromolecular Chemistry and Physics, 2018, 219, 1700362.	1.1	2
330	Release of Cationic Drugs from Charcoal. Materials, 2019, 12, 683.	1.3	2
331	Development and characterization of innovative carbon-based waste ashes/epoxy composites. Materials Today: Proceedings, 2021, 34, 133-139.	0.9	2
332	Manufacturing of polypropylene laminates and related structural reorganization in the crystalline phase. Journal of Applied Polymer Science, 1986, 32, 5811-5816.	1.3	1
333	Special Issue of Macromolecular Chemistry and Physics Dedicated to Prof. Adolfo Zambelli, on the Occasion of his 70th Birthday. Macromolecular Chemistry and Physics, 2004, 205, 283-283.	1.1	1
334	Special Issue on Co-Crystalline and Nanoporous-Crystalline Polymers. Soft Materials, 2011, 9, 105-106.	0.8	1
335	Pseudo-Hexagonal Crystallinity in Ethene-Styrene Random Copolymers. Macromolecular Chemistry and Physics, 2001, 202, 382-387.	1.1	1
336	High surface area polymer films by co-crystallization with low-molecular-mass guest molecules. European Polymer Journal, 2022, , 111305.	2.6	1
337	Surface Addition of Flame Retardants in Acrylic Cast Sheets. Journal of Fire Sciences, 1984, 2, 60-69.	0.9	0
338	1,2-dichloroethane conformation and molecular organization in syndiotactic polystyrene gels. Macromolecular Symposia, 2001, 166, 109-116.	0.4	0
339	Do New Century Catalysts Unravel the Mechanism of Stereocontrol of Old Zieglerâ€"Natta Catalysts?. ChemInform, 2004, 35, no.	0.1	0
340	Thermoplastic Molecular Sieves: New Polymeric Materials for Molecular Packaging. ACS Symposium Series, 2005, , 171-186.	0.5	0
341	Crystalline Organization in Syndiotactic Polystyrene Gels and Aerogels. Macromolecular Symposia, 2005, 222, 247-252.	0.4	0
342	Characterization of Semicrystalline Polymeric Materials by Atomistic Models. , 2010, , .		0

#	Article	IF	Citations
343	Polymer Nanoporous and Co-crystalline Phases. Materials Research Society Symposia Proceedings, 2011, 1366, 1.	0.1	0
344	Gas sorption in poly-(2,6-dimethyl-1,4-phenylene)oxide containing nanoporous crystalline phases. , 2012, , .		0
345	Monolithic aerogels with nanoporous crystalline phases. AIP Conference Proceedings, 2015, , .	0.3	0
346	Monolithic Polymeric Aerogels with Organically Modified Clays and Graphite Oxide Nanofillers. Macromolecular Symposia, 2016, 359, 32-43.	0.4	0