

Gaetano Guerra

List of Publications by Year in descending order

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13865

67
h-index

36028

97
g-index

350
all docs

350
docs citations

350
times ranked

4238
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#	ARTICLE	IF	CITATIONS
1	Polymorphism in melt crystallized syndiotactic polystyrene samples. <i>Macromolecules</i> , 1990, 23, 1539-1544.	4.8	507
2	Crystal Structure of the Emptied Clathrate Form (β' Form) of Syndiotactic Polystyrene. <i>Macromolecules</i> , 1997, 30, 4147-4152.	4.8	332
3	On the crystal structure of the orthorhombic form of syndiotactic polystyrene. <i>Polymer</i> , 1992, 33, 1423-1428.	3.8	252
4	Do New Century Catalysts Unravel the Mechanism of Stereocontrol of Old Ziegler-Natta Catalysts?. <i>Accounts of Chemical Research</i> , 2004, 37, 231-241.	15.6	232
5	Crystal structure of the clathrate β' form of syndiotactic polystyrene containing 1,2-dichloroethane. <i>Polymer</i> , 1999, 40, 2103-2110.	3.8	192
6	Aerogels with a Microporous Crystalline Host Phase. <i>Advanced Materials</i> , 2005, 17, 1515-1518.	21.0	182
7	Shape and Volume of Cavities in Thermoplastic Molecular Sieves Based on Syndiotactic Polystyrene. <i>Chemistry of Materials</i> , 2001, 13, 1506-1511.	6.7	174
8	Crystal Structure of the β' -Form of Syndiotactic Polystyrene. <i>Polymer Journal</i> , 1991, 23, 1435-1442.	2.7	170
9	A possible model for the stereospecificity in the syndiospecific polymerization of propene with group 4a metallocenes. <i>Macromolecules</i> , 1991, 24, 1784-1790.	4.8	154
10	Nanoporous Polymer Crystals with Cavities and Channels. <i>Chemistry of Materials</i> , 2008, 20, 3663-3668.	6.7	153
11	On the structure of the quenched mesomorphic phase of isotactic polypropylene. <i>Macromolecules</i> , 1986, 19, 2699-2703.	4.8	150
12	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
13	Analysis of models for the Ziegler-Natta stereospecific polymerization on the basis of non-bonded interactions at the catalytic site. I. The Cossee model. <i>European Polymer Journal</i> , 1979, 15, 1133-1141.	5.4	127
14	Geometry and Stability of Titanium Chloride Species Adsorbed on the (100) and (110) Cuts of the MgCl ₂ Support of the Heterogeneous Ziegler-Natta Catalysts. <i>Macromolecules</i> , 2000, 33, 8953-8962.	4.8	127
15	Vapor sorption in emptied clathrate samples of syndiotactic polystyrene. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1997, 35, 133-140.	2.1	125
16	Crystalline Orientation in Syndiotactic Polystyrene Cast Films. <i>Macromolecules</i> , 2002, 35, 5854-5860.	4.8	122
17	An Intercalate Molecular Complex of Syndiotactic Polystyrene. <i>Macromolecules</i> , 2005, 38, 6965-6971.	4.8	121
18	Fourier transform infrared spectroscopy of some miscible polybenzimidazole/polyimide blends. <i>Macromolecules</i> , 1988, 21, 231-234.	4.8	120

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19	Thermoplastic Molecular Sieves. Chemistry of Materials, 2000, 12, 363-368.	6.7	116
20	Guest Conformation and Diffusion into Amorphous and Emptied Clathrate Phases of Syndiotactic Polystyrene. Macromolecules, 1998, 31, 1329-1334.	4.8	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.	3.8	112
22	Mechanisms of Propagation and Termination Reactions in Classical Heterogeneous Ziegler-Natta Catalytic Systems: A Nonlocal Density Functional Study. Journal of the American Chemical Society, 1998, 120, 2428-2436.	13.7	109
23	Advanced materials based on polymer cocrystalline forms. Journal of Polymer Science, Part B: Polymer Physics, 2012, 50, 305-322.	2.1	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.	13.7	103
25	Polymeric sensing films absorbing organic guests into a nanoporous host crystalline phase. Sensors and Actuators B: Chemical, 2003, 92, 255-261.	7.8	103
26	Mesomorphic form of syndiotactic polystyrene as composed of small imperfect crystals of the hexagonal (.alpha.) crystalline form. Macromolecules, 1993, 26, 3772-3777.	4.8	102
27	Relationship between Regiospecificity and Type of Stereospecificity in Propene Polymerization with Zirconocene-Based Catalysts ¹ . Journal of the American Chemical Society, 1997, 119, 4394-4403.	13.7	102
28	New Host Polymeric Framework and Related Polar Guest Cocrystals. Chemistry of Materials, 2007, 19, 3864-3866.	6.7	102
29	Regeneration of nanoporous crystalline syndiotactic polystyrene by supercritical CO ₂ . Journal of Applied Polymer Science, 1999, 74, 2077-2082.	2.6	101
30	Detection and Memory of Nonracemic Molecules by a Racemic Host Polymer Film. Journal of the American Chemical Society, 2007, 129, 10992-10993.	13.7	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.	3.3	97
32	Site Chirality as a Messenger in Chain-End Stereocontrolled Propene Polymerization. Journal of the American Chemical Society, 2002, 124, 13368-13369.	13.7	96
33	Syndiotactic Polystyrene Aerogels: Adsorption in Amorphous Pores and Absorption in Crystalline Nanocavities. Chemistry of Materials, 2008, 20, 577-582.	6.7	96
34	Syndiotactic Polystyrene Aerogels with β^2 , β^3 , and β^4 Crystalline Phases. Chemistry of Materials, 2009, 21, 1028-1034.	6.7	94
35	Label-Free Vapor Selectivity in Poly(<i>p</i> -Phenylene Oxide) Photonic Crystal Sensors. ACS Applied Materials & Interfaces, 2016, 8, 31941-31950.	8.0	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. <i>Macromolecules</i> , 1996, 29, 4834-4845.	4.8	91
38	Coated long-period fiber gratings as high-sensitivity optochemical sensors. <i>Journal of Lightwave Technology</i> , 2006, 24, 1776-1786.	4.6	91
39	Fourier transform infrared spectroscopy of the polymorphic forms of syndiotactic polystyrene. <i>Die Makromolekulare Chemie</i> , 1990, 191, 2111-2119.	1.1	89
40	N-doped TiO_2/PS aerogels for photocatalytic degradation of organic dyes in wastewater under visible light irradiation. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 1175-1181.	3.2	89
41	Evaluation by Fourier Transform Infrared Spectroscopy of the different crystalline forms in syndiotactic polystyrene samples. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1997, 35, 1055-1066.	2.1	88
42	Probing by Time-Resolved FTIR Spectroscopy Mass Transport, Molecular Interactions, and Conformational Ordering in the System Chloroform-Syndiotactic Polystyrene. <i>Macromolecules</i> , 2002, 35, 2296-2304.	4.8	88
43	Optical Recording Materials Based on Photoisomerization of Guest Molecules of a Polymeric Crystalline Host Phase. <i>Advanced Materials</i> , 2005, 17, 1166-1168.	21.0	84
44	Influence of 1,3-Diethers on the Stereospecificity of Propene Polymerization by Supported Ziegler-Natta Catalysts. A Theoretical Investigation on Their Adsorption on (110) and (100) Lateral Cuts of MgCl_2 Platelets. <i>Macromolecules</i> , 2000, 33, 1134-1140.	4.8	82
45	Model catalytic sites for olefin polymerization and diastereoselectivity in the cyclopolymerization of 1,5-hexadiene. <i>Macromolecules</i> , 1993, 26, 260-267.	4.8	81
46	Nanoporous Crystalline Phases of Poly(2,6-Dimethyl-1,4-phenylene)oxide. <i>Chemistry of Materials</i> , 2011, 23, 3195-3200.	6.7	81
47	Effects of blending on the polymorphic behavior of melt-crystallized syndiotactic polystyrene. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1991, 29, 265-271.	2.1	80
48	Gas sorption and transport in syndiotactic polystyrene with nanoporous crystalline phase. <i>Polymer</i> , 2004, 45, 429-436.	3.8	80
49	Channel Clathrate of Syndiotactic Polystyrene with <i>p</i> -nitroaniline. <i>Macromolecules</i> , 2010, 43, 1455-1466.	4.8	80
50	Steric control in Ziegler-Natta catalysts: An analysis of nonbonded interactions at model catalytic sites. <i>Journal of Catalysis</i> , 1982, 77, 32-42.	6.2	79
51	A Density Functional and Molecular Mechanics Study Of H^2 -Hydrogen Transfer in Homogeneous Ziegler-Natta Catalysis. <i>Macromolecules</i> , 1996, 29, 2729-2737.	4.8	78
52	Fluorescence of Syndiotactic Polystyrene/Trimethylbenzene Clathrate and Intercalate Co-Crystals. <i>Chemistry of Materials</i> , 2007, 19, 6041-6046.	6.7	78
53	Normal Vibrational Analysis of the Syndiotactic Polystyrene $s(2/1)_2$ Helix. <i>Journal of Physical Chemistry B</i> , 2009, 113, 5059-5071.	2.6	78
54	Monoclinic and Triclinic H^2 -Clathrates of Syndiotactic Polystyrene. <i>Macromolecules</i> , 2010, 43, 8549-8558.	4.8	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.	3.8	77
57	Clathrate Phase in Syndiotactic Polystyrene Gels. Macromolecules, 2002, 35, 2243-2251.	4.8	76
58	Thermal Transitions of $\hat{\mu}$ Crystalline Phases of Syndiotactic Polystyrene. Macromolecules, 2007, 40, 9470-9474.	4.8	76
59	Models for the stereospecificity in homogeneous and heterogeneous Ziegler-Natta polymerizations. Progress in Polymer Science, 1991, 16, 239-257.	24.7	75
60	Anisotropic Diffusion of Small Penetrants in the $\hat{\nu}$ Crystalline Phase of Syndiotactic Polystyrene: A Molecular Dynamics Simulation Study. Chemistry of Materials, 2002, 14, 2977-2982.	6.7	75
61	Molecular Sensing by Nanoporous Crystalline Polymers. Sensors, 2009, 9, 9816-9857.	3.8	75
62	Analysis of models for the ziegler-natta stereospecific polymerization on the basis of non-bonded interactions at the catalytic site—II. European Polymer Journal, 1980, 16, 835-842.	5.4	73
63	On blends of poly(vinylidene fluoride) and poly(vinyl fluoride). Macromolecules, 1986, 19, 1935-1938.	4.8	73
64	Polymeric Films with Three Different Uniplanar Crystalline Phase Orientations. Macromolecules, 2005, 38, 10089-10094.	4.8	73
65	Understanding at molecular level of nanoporous and co-crystalline materials based on syndiotactic polystyrene. Progress in Materials Science, 2009, 54, 68-88.	32.8	72
66	Chemically Reduced Graphite Oxide with Improved Shape Anisotropy. Journal of Physical Chemistry C, 2012, 116, 24809-24813.	3.1	71
67	Optimization of graphene-based materials outperforming host epoxy matrices. RSC Advances, 2015, 5, 36969-36978.	3.6	71
68	Ordering Magnetic Molecules within Nanoporous Crystalline Polymers. Chemistry of Materials, 2009, 21, 4750-4752.	6.7	69
69	Syndiotactic polystyrene thin film as sensitive layer for an optoelectronic chemical sensing device. Sensors and Actuators B: Chemical, 2005, 109, 177-184.	7.8	68
70	Chlorinated Guest Orientation and Mobility in Clathrate Structures Formed with Syndiotactic Polystyrene. Macromolecules, 2003, 36, 8695-8703.	4.8	67
71	Orientation and Microenvironment of Naphthalene Guest in the Host Nanoporous Phase of Syndiotactic Polystyrene. Macromolecules, 2005, 38, 3696-3702.	4.8	66
72	Anisotropic Guest Diffusion in the $\hat{\nu}$ Crystalline Host Phase of Syndiotactic Polystyrene: A Transport Kinetics in Films with Three Different Uniplanar Orientations of the Host Phase. Chemistry of Materials, 2006, 18, 2205-2210.	6.7	66

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73	Gas Sorption and Diffusion in Amorphous and Semicrystalline Nanoporous Poly(2,6-dimethyl-1,4-phenylene)oxide. <i>Macromolecules</i> , 2012, 45, 3604-3615.	4.8	66
74	Polymorphism of syndiotactic polystyrene: \hat{I}^3 phase crystallization induced by bulky non-guest solvents. <i>Polymer</i> , 2005, 46, 9549-9554.	3.8	65
75	Syndiotactic Polystyrene Clathrates with Polar Guest Molecules. <i>Chemistry of Materials</i> , 2007, 19, 3302-3308.	6.7	65
76	Conditions for the $\hat{I}^{\pm 1}$ - $\hat{I}^{\pm 2}$ transition in isotactic polypropylene samples. <i>European Polymer Journal</i> , 1984, 20, 937-941.	5.4	62
77	Guest Orientation in Uniplanar-Axial Polymer Host Films and in Co-Crystal Unit-Cell, Determined by Angular Distributions of Polarized Guest Fluorescence. <i>Macromolecules</i> , 2008, 41, 9156-9164.	4.8	62
78	Extrapolation to the equilibrium melting temperature for isotactic polypropylene. <i>Macromolecules</i> , 1985, 18, 813-814.	4.8	61
79	Isothermal Guest Desorption from Crystalline and Amorphous Phases of Syndiotactic Polystyrene. <i>Macromolecules</i> , 1999, 32, 2770-2776.	4.8	61
80	Monolithic Nanoporous Crystalline Aerogels. <i>Macromolecular Rapid Communications</i> , 2013, 34, 1194-1207.	3.9	61
81	A Theoretical Study of Syndiospecific Styrene Polymerization with Cp-Based and Cp-Free Titanium Catalysts. 2. Mechanism of Chain-End Stereocontrol. <i>Macromolecules</i> , 2001, 34, 5379-5385.	4.8	60
82	Possible model for chain end control of stereoregularity in the isospecific homogeneous Ziegler-Natta polymerization. <i>Polymer</i> , 1990, 31, 530-537.	3.8	59
83	Photoisomerization patterns based on molecular complex phases of syndiotactic polystyrene. <i>Journal of Materials Chemistry</i> , 2007, 17, 531-535.	6.7	59
84	Effects of p-Methylstyrene Comonomeric Units on the Polymorphic Behavior of Syndiotactic Polystyrene. <i>Macromolecules</i> , 1995, 28, 6508-6515.	4.8	58
85	Molecular Organization in the Pseudo-hexagonal Crystalline Phase of Ethylene-Propylene Copolymers. <i>Macromolecules</i> , 1996, 29, 7141-7148.	4.8	58
86	Perpendicular Orientation of Host Polymer Chains in Clathrate Thick Films. <i>Macromolecules</i> , 2004, 37, 3071-3076.	4.8	58
87	Graphene oxide as a catalyst for ring opening reactions in amine crosslinking of epoxy resins. <i>RSC Advances</i> , 2016, 6, 23858-23865.	3.6	58
88	Polymeric Films with Three Different Orientations of Crystalline-Phase Empty Channels. <i>Chemistry of Materials</i> , 2009, 21, 3370-3375.	6.7	57
89	Stereoselective Cyclopropanation by Cyclocopolymerization of Butadiene. <i>Journal of the American Chemical Society</i> , 2002, 124, 3502-3503.	13.7	56
90	Clay Delamination in Hydrocarbon Rubbers. <i>Chemistry of Materials</i> , 2007, 19, 2495-2499.	6.7	56

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91	Catalytic activity of graphite-based nanofillers on cure reaction of epoxy resins. <i>Polymer</i> , 2014, 55, 5612-5615.	3.8	56
92	On the mesomorphic form of poly(ethylene terephthalate). <i>Macromolecules</i> , 1992, 25, 2490-2497.	4.8	54
93	On the effects of methyl substituents on chelating ligands in models for homogeneous isospecific Ziegler-Natta catalysis. <i>Polymer</i> , 1991, 32, 1329-1335.	3.8	53
94	Influence of η^5 -Ligand Substitutions on the Regiospecificity and Stereospecificity in Isospecific Zirconocenes for Propene Polymerization. A Molecular Mechanics Analysis. <i>Macromolecules</i> , 1998, 31, 3431-3438.	4.8	53
95	Perpendicular Chain Axis Orientation in s-PS Films: Achievement by Guest-Induced Clathrate Formation and Maintenance after Transitions toward Helical and Trans-Planar Polymorphic Forms. <i>Macromolecules</i> , 2004, 37, 8043-8049.	4.8	53
96	Optical chemo-sensor based on long period gratings coated with $\lambda/4$ form syndiotactic polystyrene. <i>IEEE Photonics Technology Letters</i> , 2005, 17, 1713-1715.	2.5	53
97	A Clear-Cut Experimental Method to Discriminate between In-Plane and Out-of-Plane Molecular Transition Moments. <i>Journal of the American Chemical Society</i> , 2005, 127, 13114-13115.	13.7	52
98	Inverting the Diastereoselectivity of the Mukaiyama-Michael Addition with Graphite-Based Catalysts. <i>ACS Catalysis</i> , 2014, 4, 492-496.	11.2	51
99	Different solvent stability of the crystalline polymorphic forms of syndiotactic polystyrene. <i>Journal of Materials Science Letters</i> , 1991, 10, 1084-1087.	0.5	50
100	Theoretical Study of Syndiospecific Styrene Polymerization with Cp-Based and Cp-Free Titanium Catalysts. 1. Mechanism of Chain Propagation. <i>Macromolecules</i> , 2001, 34, 2459-2468.	4.8	50
101	Thermal Stability of Nanoporous Crystalline and Amorphous Phases of Poly(2,6-dimethyl-1,4-phenylene) Oxide. <i>Macromolecules</i> , 2013, 46, 449-454.	4.8	50
102	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
103	Steric control in the first step of the isospecific Ziegler-Natta polymerization of propene. <i>Macromolecules</i> , 1982, 15, 1242-1245.	4.8	49
104	Spectroscopic Investigation of Host-Guest Interactions into Clathrate Phases of Syndiotactic Polystyrene Containing Chlorinated Compounds. <i>Macromolecules</i> , 2000, 33, 143-149.	4.8	49
105	Aerogels and Polymorphism of Isotactic Poly(4-methyl-pentene-1). <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 969-977.	8.0	49
106	Conformational and packing energy of the crystalline β modification of syndiotactic polystyrene. <i>European Polymer Journal</i> , 1994, 30, 1173-1177.	5.4	48
107	Thermal and Structural Characterization of Poly(methylene-1,3-cyclopentane) Samples of Different Microstructures. <i>Macromolecules</i> , 1995, 28, 2383-2388.	4.8	48
108	Conformational Disorder in the Pseudohexagonal Form of Atactic Polyacrylonitrile. <i>Macromolecules</i> , 1996, 29, 8852-8861.	4.8	48

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109	Polymer/Gas Clathrates for Gas Storage and Controlled Release. <i>Macromolecules</i> , 2006, 39, 9166-9170.	4.8	48
110	Ethylene removal by sorption from polymeric crystalline frameworks. <i>Journal of Materials Chemistry</i> , 2008, 18, 1046.	6.7	48
111	Normal Vibrational Analysis of a trans-Planar Syndiotactic Polystyrene Chain. <i>Journal of Physical Chemistry B</i> , 2007, 111, 6327-6335.	2.6	47
112	Layers of Close-Packed Alternated Enantiomorphous Helices and the Three Different Uniplanar Orientations of Syndiotactic Polystyrene. <i>Macromolecules</i> , 2008, 41, 8632-8642.	4.8	47
113	Polyethylene Unit Cell and Crystallinity Variations as a Consequence of Different Cross-Linking Processes. <i>Macromolecules</i> , 2001, 34, 5175-5179.	4.8	46
114	Solid-state high-resolution ¹³ C NMR spectra of syndiotactic polystyrene. <i>Die Makromolekulare Chemie Rapid Communications</i> , 1989, 10, 687-690.	1.1	45
115	Stereoselectivity and Chemoselectivity in Ziegler-Natta Polymerizations of Conjugated Dienes. 1. Monomers with Low-Energy s-Cis-4 Coordination. <i>Macromolecules</i> , 2001, 34, 7952-7960.	4.8	44
116	Title is missing!. <i>Die Makromolekulare Chemie Rapid Communications</i> , 1982, 3, 753-756.	1.1	43
117	Polymorphism and chain conformations in the crystalline forms of syndiotactic poly(1-butene). <i>Macromolecules</i> , 1991, 24, 5645-5650.	4.8	43
118	Molecular Mechanics and Stereospecificity in Ziegler-Natta 1,2 and Cis-1,4 Polymerizations of Conjugated Dienes. <i>Macromolecules</i> , 1997, 30, 677-684.	4.8	43
119	Regio- and Enantioselective Friedel-Crafts Reactions of Indoles to Epoxides Catalyzed by Graphene Oxide: A Green Approach. <i>ChemSusChem</i> , 2014, 7, 3279-3283.	6.8	43
120	Title is missing!. <i>Die Makromolekulare Chemie Rapid Communications</i> , 1984, 5, 631-634.	1.1	42
121	Hydrogen Adsorption by γ and μ Crystalline Phases of Syndiotactic Polystyrene Aerogels. <i>Macromolecules</i> , 2010, 43, 8594-8601.	4.8	42
122	E Stereoregular 1,1 and 1,3 Constitutional Units from 1,3-Butadiene in Copolymerizations Catalyzed by a Highly Hindered C ₂ Symmetric Metallocene. <i>Journal of the American Chemical Society</i> , 2003, 125, 4799-4803.	13.7	41
123	Butadiene Insertion and Constitutional Units in Ethene Copolymerizations by C ₂ -Symmetric Metallocenes. <i>Macromolecules</i> , 2003, 36, 9067-9074.	4.8	41
124	Processing, thermal stability and morphology of chiral sensing syndiotactic polystyrene films. <i>Journal of Materials Chemistry</i> , 2008, 18, 567-572.	6.7	41
125	Graphite oxide intercalation compounds with rotator hexagonal order in the intercalated layers. <i>Carbon</i> , 2013, 61, 395-403.	10.3	41
126	Structural analogies between homogeneous and heterogeneous catalysts for the stereospecific polymerization of 1-alkenes. <i>Journal of Molecular Catalysis</i> , 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 nanoporous“crystalline aerogels based on PPO. RSC Advances, 2012, 2, 12011.	3.6	40
129	Miscible polybenzimidazole blends with a benzophenone-based polyimide. Journal of Polymer Science, Part B: Polymer Physics, 1988, 26, 301-313.	2.1	39
130	Polymorphism of syndiotactic poly(p-methylstyrene): oriented samples. Polymer, 1996, 37, 5247-5253.	3.8	39
131	Dipolar guest orientation in polymer co-crystals and macroscopic films. CrystEngComm, 2009, 11, 2381.	2.6	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.	8.2	39
134	X-ray photoelectron spectroscopy of reduced graphene oxide prepared by a novel green method. Vacuum, 2015, 119, 159-162.	3.5	39
135	Nanoporous triclinic β' modification of syndiotactic polystyrene. Polymer, 2015, 63, 230-236.	3.8	39
136	Syndiotactic Polystyrene Physical Gels: A Guest Influence on Structural Order in Molecular Complex Domains and Gel Transparency. Macromolecules, 2006, 39, 7578-7582.	4.8	38
137	Syndiotactic Polystyrene Films with Sulfonated Amorphous Phase and Nanoporous Crystalline Phase. Chemistry of Materials, 2009, 21, 3191-3196.	6.7	38
138	New model of the origin of the stereospecificity in the synthesis of syndiotactic polypropylene. Macromolecules, 1985, 18, 2030-2034.	4.8	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.	4.8	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 Molecular“Complex Phase Formation of Syndiotactic Polystyrene with a Styrene Dimer. Macromolecules, 2006, 39, 9171-9176.	4.8	36
143	Nanoporous-crystalline poly(2,6-dimethyl-1,4-phenylene)oxide (PPO) aerogels. Polymer, 2016, 105, 96-103.	3.8	36
144	Host“Guest Interactions and Crystalline Structure Evolution in Clathrate Phases Formed by Syndiotactic Polystyrene and 1,2-Dichloroethane: A Two-Dimensional FTIR Spectroscopy Investigation. Macromolecules, 2005, 38, 6079-6089.	4.8	35

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145	Intercalation and Exfoliation Compounds of Graphite Oxide with Quaternary Phosphonium Ions. <i>Chemistry of Materials</i> , 2015, 27, 1590-1596.	6.7	35
146	Nanoporous-crystalline films of PPO with parallel and perpendicular polymer chain orientations. <i>Polymer</i> , 2019, 167, 193-201.	3.8	35
147	Chiral Optical Films Based on Achiral Chromophore Guests. <i>Journal of the American Chemical Society</i> , 2011, 133, 9872-9877.	13.7	34
148	Polymorphism and mechanical properties of syndiotactic polystyrene films. <i>Polymer</i> , 2005, 46, 11435-11441.	3.8	33
149	Uniplanar Orientations as a Tool To Assign Vibrational Modes of Polymer Chain. <i>Macromolecules</i> , 2007, 40, 3895-3897.	4.8	33
150	Three different co-crystalline phases of syndiotactic polystyrene with a nitroxide radical. <i>CrystEngComm</i> , 2010, 12, 3942.	2.6	33
151	Azobenzene isomerization in polymer co-crystalline phases. <i>Polymer</i> , 2012, 53, 2727-2735.	3.8	33
152	Blends of two poly(aryl ether ketones). <i>Polymer</i> , 1988, 29, 1016-1020.	3.8	32
153	Mechanism of monomer insertion for heterogeneous isospecific Ziegler-Natta catalytic models. <i>European Polymer Journal</i> , 1991, 27, 45-54.	5.4	32
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