Gaetano Guerra

List of Publications by Year in Descending Order

338 papers	12,621 citations	63 h-index	90 g-index
350 ext. papers	13,296 ext. citations	5.4 avg, IF	6.21 L-index

#	Paper	IF	Citations
338	Fast uptake of organic pollutants from dilute aqueous solutions by nanoporous-crystalline PPO films with c-perpendicular orientation. *European Polymer Journal*, **2022**, 164, 110976	5.2	2
337	High surface area polymer films by co-crystallization with low-molecular-mass guest molecules. *European Polymer Journal*, **2022**, 111305	5.2	0
336	Molecular Features Behind Formation of or Co-Crystalline and Nanoporous-Crystalline Phases of PPO.. *Frontiers in Chemistry*, **2021**, 9, 809850	5	2
335	Fast uptake of organic pollutants from dilute aqueous solutions by nanoporous-crystalline PPO films with c-perpendicular orientation. *European Polymer Journal*, **2021**, 161, 110864	5.2	5
334	Mechanisms determining different planar orientations in PPO films crystallized by guest sorption. *Polymer*, **2021**, 235, 124242	3.9	5
333	c-Perpendicular Orientation of Poly(L-lactide) Films. *Polymers*, **2021**, 13,	4.5	2
332	Planar Orientation and Transparency of Nanoporous-Crystalline Polymer Films. *Macromolecules*, **2021**, 54, 6605-6611	5.5	5
331	Development and characterization of innovative carbon-based waste ashes/epoxy composites. *Materials Today: Proceedings*, **2021**, 34, 133-139	1.4	2
330	Control of Guest Thermal Release by Crystalline Host Orientation. *ACS Applied Polymer Materials*, **2021**, 3, 949-955	4.3	6
329	Melting of nanoporous-crystalline and co-crystalline solution cast films of poly(2,6-dimethyl-1,4-phenylene) oxide. *Polymer*, **2021**, 228, 123935	3.9	4
328	Axially oriented guest induced crystallization in syndiotactic polystyrene unstretched fibers. *Polymer*, **2021**, 228, 123908	3.9	3
327	High diffusivity dense films of a nanoporous-crystalline polymer. *Polymer*, **2021**, 229, 124005	3.9	10
326	Monomeric and Dimeric Carboxylic Acid in Crystalline Cavities and Channels of Delta and Epsilon Forms of Syndiotactic Polystyrene. *Polymers*, **2021**, 13,	4.5	2
325	Dependence on Film Thickness of Guest-Induced Perpendicular Orientation in PPO Films.. *Polymers*, **2021**, 13,	4.5	4
324	Axial Orientation of Co-Crystalline Phases of Poly(2,6-Dimethyl-1,4-Phenylene)Oxide Films. *Polymers*, **2020**, 12,	4.5	6
323	Polymorphism of Poly(2,6-dimethyl-1,4-phenylene)oxide in Axially Stretched Films. *Macromolecules*, **2020**, 53, 2287-2294	5.5	12
322	Axially Oriented Nanoporous Crystalline Phases of Poly(2,6-dimethyl-1,4-phenylene)oxide. *ACS Applied Polymer Materials*, **2020**, 2, 3518-3524	4.3	13

321	Benzene-Induced Crystallization of PPO: A Combined Thermodynamic and Vibrational Spectroscopy Study. *Industrial & Engineering Chemistry Research*, **2020**, 59, 5402-5411	3.9	8
320	Antimicrobial release from cleaning poultices for the conservation and disinfection of stone surfaces. *Applied Clay Science*, **2020**, 193, 105667	5.2	1
319	Guest induced transition from □ to □ nanoporous crystalline forms of PPO. *Polymer*, **2020**, 187, 122083	3.9	7
318	Thermal shrinkage and heat capacity of monolithic polymeric physical aerogels. *Polymer*, **2020**, 210, 123073	3.9	1
317	Nanoporous Crystalline Composite Aerogels with Reduced Graphene Oxide. *Molecules*, **2020**, 25,	4.8	2
316	Graphite functionalization by ball milling with sulfur. *SN Applied Sciences*, **2019**, 1, 1	1.8	2
315	Nanoporous-crystalline films of PPO with parallel and perpendicular polymer chain orientations. *Polymer*, **2019**, 167, 193-201	3.9	27
314	Edge-Oxidation of Graphites by Hydrogen Peroxide. *Langmuir*, **2019**, 35, 2244-2250	4	8
313	Catalytic Activity of Oxidized Carbon Waste Ashes for the Crosslinking of Epoxy Resins. *Polymers*, **2019**, 11,	4.5	5
312	Chemical Stabilization of Hexanal Molecules by Inclusion as Guests of Nanoporous-Crystalline Syndiotactic Polystyrene Crystals. *Macromolecules*, **2019**, 52, 2255-2264	5.5	16
311	Processing and strain induced crystallization and reinforcement under strain of poly(1,4-cis-isoprene) from Ziegler□Natta catalysis, hevea brasiliensis, taraxacum kok-saghyz and partenium argentatum. *Advanced Industrial and Engineering Polymer Research*, **2019**, 2, 1-12	7.3	1
310	Graphene Oxide and Oxidized Carbon Black as Catalyst for Crosslinking of Phenolic Resins. *Polymers*, **2019**, 11,	4.5	5
309	Intercalation compounds of a smectite clay with an ammonium salt biocide and their possible use for conservation of cultural heritage. *Heliyon*, **2019**, 5, e02991	3.6	4
308	Two Nanoporous Crystalline Forms of Poly(2,6-dimethyl-1,4-phenylene)oxide and Related Co-Crystalline Forms. *Macromolecules*, **2019**, 52, 9646-9656	5.5	28
307	Packaging technology for improving shelf-life of fruits based on a nanoporous□rystalline polymer. *Journal of Applied Polymer Science*, **2018**, 135, 46256	2.9	10
306	Graphene-Based Carbocatalysts for Thermoset Polymers and for Diastereoselective and Enantioselective Organic Synthesis. *ChemCatChem*, **2018**, 10, 2350-2359	5.2	4
305	Etched Fibers of Syndiotactic Polystyrene with Nanoporous-Crystalline Phases. *Macromolecules*, **2018**, 51, 6138-6148	5.5	19
304	PLA Melt Stabilization by High-Surface-Area Graphite and Carbon Black. *Polymers*, **2018**, 10,	4.5	13

303	Vibrational Spectra of Poly(ethylene terephthalate) Chains in the Mesomorphic Form. *Macromolecular Chemistry and Physics*, **2018**, 219, 1700362	2.6	1
302	Hexagonal rotator order of bound ionic surfactants and temperature triggered dispersion of carbon nanotubes. *Carbon*, **2018**, 127, 228-235	10.4	2
301	Green and Facile Esterification Procedure Leading to Crystalline-Functionalized Graphite Oxide. *Langmuir*, **2017**, 33, 6819-6825	4	6
300	Circularly polarized luminescence of syndiotactic polystyrene. *Optical Materials*, **2017**, 73, 595-601	3.3	18
299	Single-phase block copolymers by cross-metathesis of 1,4-cis-polybutadiene and 1,4-cis-polyisoprene. *Polymer*, **2017**, 130, 143-149	3.9	20
298	Catalytic Activity of Oxidized Carbon Black and Graphene Oxide for the Crosslinking of Epoxy Resins. *Polymers*, **2017**, 9,	4.5	9
297	Efficient Modulation of Polyethylene Microstructure by Proper Activation of (Ð-Diimine)Ni(II) Catalysts: Synthesis of Well-Performing Polyethylene Elastomers. *Macromolecules*, **2017**, 50, 6586-6594	5.5	16
296	Oxidized Carbon Black as Catalyst for the Enamine Formation in Solvent-Free Conditions: A Green Strategy to Build the Benzodiazepine Scaffold. *ChemistrySelect*, **2017**, 2, 10559-10564	1.8	6
295	Oxidized Carbon Black as an Activator of Transesterification Reactions under Solvent-Free Conditions. *ACS Omega*, **2017**, 2, 7862-7867	3.9	8
294	Nanoporous Crystalline Polymer Materials for Environmental Applications. *Macromolecular Symposia*, **2016**, 369, 19-25	0.8	3
293	Nanoporous-crystalline poly(2,6-dimethyl-1,4-phenylene)oxide (PPO) aerogels. *Polymer*, **2016**, 105, 96-103	3.9	26
292	Intercalation compounds of oxidized carbon black. *RSC Advances*, **2016**, 6, 105565-105572	3.7	10
291	Label-Free Vapor Selectivity in Poly(p-Phenylene Oxide) Photonic Crystal Sensors. *ACS Applied Materials & Interfaces*, **2016**, 8, 31941-31950	9.5	74
290	Microporous-crystalline microfibers by eco-friendly guests: An efficient tool for sorption of volatile organic pollutants. *Microporous and Mesoporous Materials*, **2016**, 232, 205-210	5.3	20
289	Crystallinity and crystalline phase orientation of poly(1,4-cis-isoprene) from Hevea brasiliensis and Taraxacum kok-saghyz. *Polymers for Advanced Technologies*, **2016**, 27, 1082-1090	3.2	19
288	Green Regio- and Enantioselective Aminolysis Catalyzed by Graphite and Graphene Oxide under Solvent-Free Conditions. *ChemCatChem*, **2016**, 8, 1915-1920	5.2	13
287	Graphene oxide as a catalyst for ring opening reactions in amine crosslinking of epoxy resins. *RSC Advances*, **2016**, 6, 23858-23865	3.7	41
286	Thermally stable, solvent resistant and flexible graphene oxide paper. *RSC Advances*, **2016**, 6, 44522-44530	3.7	9

285	Monolithic Polymeric Aerogels with Organically Modified Clays and Graphite Oxide Nanofillers. *Macromolecular Symposia*, **2016**, 359, 32-43	0.8	
284	Intense Chiral Optical Phenomena in Racemic Polymers by Cocrystallization With Chiral Guest Molecules: A Brief Overview. *Chirality*, **2016**, 28, 29-38	2.1	3
283	Nanoporous triclinic modification of syndiotactic polystyrene. *Polymer*, **2015**, 63, 230-236	3.9	35
282	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		15
281	Optimization of graphene-based materials outperforming host epoxy matrices. *RSC Advances*, **2015**, 5, 36969-36978	3.7	61
280	Poly(l-lactic acid): Uniplanar Orientation in Cocrystalline Films and Structure of the Cocrystalline Form with Cyclopentanone. *Macromolecules*, **2015**, 48, 7513-7520	5.5	19
279	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	5.2	11
278	Cure reaction of epoxy resins catalyzed by graphite-based nanofiller **2015**,		1
277	X-ray photoelectron spectroscopy of reduced graphene oxide prepared by a novel green method. *Vacuum*, **2015**, 119, 159-162	3.7	28
276	Monolithic polymeric aerogels with VOCs sorbent nanoporous crystalline and water sorbent amorphous phases. *ACS Applied Materials & Interfaces*, **2015**, 7, 1318-26	9.5	21
275	Form Gels and Aerogels of Syndiotactic Polystyrene. *Macromolecules*, **2015**, 48, 1187-1193	5.5	17
274	Intercalation and Exfoliation Compounds of Graphite Oxide with Quaternary Phosphonium Ions. *Chemistry of Materials*, **2015**, 27, 1590-1596	9.6	27
273	Synthesis of Reduced Graphite Oxide by a Novel Green Process Based on UV Light Irradiation. *Science of Advanced Materials*, **2015**, 7, 2445-2451	2.3	8
272	Inverting the Diastereoselectivity of the Mukaiyama Michael Addition with Graphite-Based Catalysts. *ACS Catalysis*, **2014**, 4, 492-496	13.1	44
271	Syndiotactic polystyrene films with a cocrystalline phase including carvacrol guest molecules. *Journal of Polymer Science, Part B: Polymer Physics*, **2014**, 52, 657-665	2.6	19
270	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	5.2	19
269	Catalytic activity of graphite-based nanofillers on cure reaction of epoxy resins. *Polymer*, **2014**, 55, 5612-5615	3.9	48
268	Melt-Extruded Films of a Commercial Polymer with Intense Chiral Optical Response of Achiral Guests. *Macromolecules*, **2014**, 47, 2616-2624	5.5	9

267	Spectroscopic Investigation of Guest–Guest Interactions in the Nanoporous-Crystalline δ and δ′ Forms of Syndiotactic Polystyrene. *Journal of Physical Chemistry C*, **2014**, 118, 11774-11783	3.8	9
266	Disordered Nanoporous Crystalline Modifications of Syndiotactic Polystyrene. *Journal of Solution Chemistry*, **2014**, 43, 158-171	1.8	17
265	Rayleigh scattering by graphene-oxide in syndiotactic polystyrene aerogels. *Carbon*, **2014**, 77, 896-905	10.4	20
264	Enantiomeric guests with the same signs of chiral optical responses. *Chemical Communications*, **2014**, 50, 8185-8	5.8	12
263	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	5.2	17
262	N-doped TiO2/s-PS aerogels for photocatalytic degradation of organic dyes in wastewater under visible light irradiation. *Journal of Chemical Technology and Biotechnology*, **2014**, 89, 1175-1181	3.5	72
261	Regio- and enantioselective friedel-crafts reactions of indoles to epoxides catalyzed by graphene oxide: a green approach. *ChemSusChem*, **2014**, 7, 3279-83	8.3	35
260	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	3.2	5
259	Racemic synthetic polymers and chirality. *Rendiconti Lincei*, **2013**, 24, 217-226	1.7	7
258	Layered double hydroxides with low Al content and new intercalate structures. *Applied Clay Science* , **2013**, 71, 27-31	5.2	3
257	Graphite oxide intercalation compounds with rotator hexagonal order in the intercalated layers. *Carbon*, **2013**, 61, 395-403	10.4	35
256	Syndiotactic Polystyrene Films with Different Uniplanar Orientations: Additional Information on Crystal Phase Transitions. *Macromolecular Chemistry and Physics*, **2013**, 214, 41-45	2.6	6
255	Control of guest transport in polymer films by structure and orientation of nanoporous-crystalline phases. *Polymer*, **2013**, 54, 1671-1678	3.9	22
254	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	4.4	5
253	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	9.6	34
252	Monolithic aerogels based on poly(2,6-diphenyl-1,4-phenylene oxide) and syndiotactic polystyrene. *ACS Applied Materials & Interfaces*, **2013**, 5, 5493-9	9.5	10
251	Thermal Stability of Nanoporous Crystalline and Amorphous Phases of Poly(2,6-dimethyl-1,4-phenylene) Oxide. *Macromolecules*, **2013**, 46, 449-454	5.5	42
250	Uniplanar Orientations and Guest Exchange in PPO Cocrystalline Films. *Macromolecules*, **2013**, 46, 3995-4001	5.5	16

249	Clay exfoliation and polymer/clay aerogels by supercritical carbon dioxide. *Frontiers in Chemistry*, **2013**, 1, 28	5	13
248	Monolithic nanoporous crystalline aerogels. *Macromolecular Rapid Communications*, **2013**, 34, 1194-207	4.8	48
247	A chiral co-crystalline form of poly(2,6-dimethyl-1,4-phenylene)oxide (PPO). *Journal of Materials Chemistry*, **2012**, 22, 11672		32
246	Gas Sorption and Diffusion in Amorphous and Semicrystalline Nanoporous Poly(2,6-dimethyl-1,4-phenylene)oxide. *Macromolecules*, **2012**, 45, 3604-3615	5.5	52
245	Azobenzene isomerization in polymer co-crystalline phases. *Polymer*, **2012**, 53, 2727-2735	3.9	26
244	Infrared linear dichroism as a tool to evaluate volatile guest partition between amorphous and nanoporous-crystalline polymer phases. *Journal of Polymer Science, Part B: Polymer Physics*, **2012**, 50, 1474-1479	2.6	7
243	Chemically Reduced Graphite Oxide with Improved Shape Anisotropy. *Journal of Physical Chemistry C*, **2012**, 116, 24809-24813	3.8	59
242	Monolithic nanoporous crystalline aerogels based on PPO. *RSC Advances*, **2012**, 2, 12011	3.7	32
241	Advanced materials based on polymer cocrystalline forms. *Journal of Polymer Science, Part B: Polymer Physics*, **2012**, 50, 305-322	2.6	93
240	Aerogels and polymorphism of isotactic poly(4-methyl-pentene-1). *ACS Applied Materials & Interfaces*, **2011**, 3, 969-77	9.5	41
239	Ferroelectric co-crystalline polymers. *Journal of Materials Chemistry*, **2011**, 21, 19074		33
238	Polyethylene waxes by metallocenes. *Polymers for Advanced Technologies*, **2011**, 22, 458-462	3.2	11
237	Nanoporous Crystalline Phases of Poly(2,6-Dimethyl-1,4-phenylene)oxide. *Chemistry of Materials*, **2011**, 23, 3195-3200	9.6	66
236	Chiral optical films based on achiral chromophore guests. *Journal of the American Chemical Society*, **2011**, 133, 9872-7	16.4	28
235	Two Different Uniplanar Axial Orientations of Syndiotactic Polystyrene Films. *Macromolecules*, **2011**, 44, 5671-5681	5.5	15
234	Semicrystalline proton-conductive membranes with sulfonated amorphous phases. *International Journal of Hydrogen Energy*, **2011**, 36, 8038-8044	6.7	9
233	Polymer Nanoporous and Co-crystalline Phases. *Materials Research Society Symposia Proceedings*, **2011**, 1366, 1		
232	Structure and Sorption Properties of Syndiotactic Polystyrene Aerogels. *ACS Symposium Series*, **2010**, 131-147	0.4	3

231	Monoclinic and Triclinic Clathrates of Syndiotactic Polystyrene. *Macromolecules*, **2010**, 43, 8549-8558	5.5	68
230	Channel Clathrate of Syndiotactic Polystyrene with p-nitroaniline. *Macromolecules*, **2010**, 43, 1455-1466	5.5	66
229	Chiro-optical Materials Based on a Racemic Polymer. *Macromolecules*, **2010**, 43, 1882-1887	5.5	21
228	Intercalate Co-Crystals of Syndiotactic Polystyrene with Benzyl methacrylate and Radiation-Induced Guest Polymerization. *Macromolecules*, **2010**, 43, 10560-10567	5.5	9
227	Hydrogen Adsorption by and Crystalline Phases of Syndiotactic Polystyrene Aerogels. *Macromolecules*, **2010**, 43, 8594-8601	5.5	40
226	Three different co-crystalline phases of syndiotactic polystyrene with a nitroxide radical. *CrystEngComm*, **2010**, 12, 3942	3.3	28
225	Storage of hydrogen as a guest of a nanoporous polymeric crystalline phase. *Physical Chemistry Chemical Physics*, **2010**, 12, 5369-74	3.6	27
224	Induced vibrational circular dichroism and polymorphism of syndiotactic polystyrene. *Chirality*, **2010**, 22 Suppl 1, E67-73	2.1	20
223	Crystallization from the amorphous form of the nanoporous e form of syndiotactic polystyrene. *Polymer*, **2010**, 51, 4599-4605	3.9	9
222	Control of organoclay structure in hydrocarbon polymers. *Polymers for Advanced Technologies*, **2010**, 21, 679-684	3.2	15
221	Molecular sensing by nanoporous crystalline polymers. *Sensors*, **2009**, 9, 9816-57	3.8	68
220	Negatively Birefringent Polymer Films. *Macromolecular Chemistry and Physics*, **2009**, 210, 2148-2152	2.6	10
219	Understanding at molecular level of nanoporous and co-crystalline materials based on syndiotactic polystyrene. *Progress in Materials Science*, **2009**, 54, 68-88	42.2	66
218	Formation of clay intercalates with organic bilayers in hydrocarbon polymers. *Polymers for Advanced Technologies*, **2009**, 20, 135-142	3.2	27
217	Polymorphism of syndiotactic poly(p-fluoro-styrene). *Polymer*, **2009**, 50, 1901-1907	3.9	9
216	Polymeric Films with Three Different Orientations of Crystalline-Phase Empty Channels. *Chemistry of Materials*, **2009**, 21, 3370-3375	9.6	53
215	Geometry of Complex Molecular Motions of Guest Molecules in Polymers from Solid State 2H NMR. *Macromolecules*, **2009**, 42, 4929-4931	5.5	30
214	Syndiotactic Polystyrene Films with Sulfonated Amorphous Phase and Nanoporous Crystalline Phase. *Chemistry of Materials*, **2009**, 21, 3191-3196	9.6	31

213	Nanoporous Crystalline and Cross-Linked Polymeric Materials. *Macromolecules*, **2009**, 42, 5566-5571	5.5	3
212	Ordering Magnetic Molecules within Nanoporous Crystalline Polymers. *Chemistry of Materials*, **2009**, 21, 4750-4752	9.6	61
211	Syndiotatic Polystyrene Aerogels with □,□and □Crystalline Phases. *Chemistry of Materials*, **2009**, 21, 1028-1034	9.6	78
210	Dipolar guest orientation in polymer co-crystals and macroscopic films. *CrystEngComm*, **2009**, 11, 2381	3.3	35
209	Normal vibrational analysis of the syndiotactic polystyrene s(2/1)2 helix. *Journal of Physical Chemistry B*, **2009**, 113, 5059-71	3.4	71
208	Processing, thermal stability and morphology of chiral sensing syndiotactic polystyrene films. *Journal of Materials Chemistry*, **2008**, 18, 567-572		39
207	Syndiotactic Polystyrene Aerogels: Adsorption in Amorphous Pores and Absorption in Crystalline Nanocavities. *Chemistry of Materials*, **2008**, 20, 577-582	9.6	83
206	Ethylene removal by sorption from polymeric crystalline frameworks. *Journal of Materials Chemistry*, **2008**, 18, 1046		45
205	Layers of Close-Packed Alternated Enantiomorphous Helices and the Three Different Uniplanar Orientations of Syndiotactic Polystyrene. *Macromolecules*, **2008**, 41, 8632-8642	5.5	45
204	Nanoporous Polymer Crystals with Cavities and Channels. *Chemistry of Materials*, **2008**, 20, 3663-3668	9.6	137
203	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	5.5	57
202	Guest-Induced Syndiotactic Polystyrene Cocrystal Formation from □and □Phases. *Macromolecules*, **2008**, 41, 2683-2688	5.5	24
201	Influence of Supercritical Carbon Dioxide Extraction Temperature on the Crystalline Structure and the Morphology of Syndiotactic Polystyrene Aerogels. *Macromolecular Symposia*, **2008**, 273, 135-138	0.8	2
200	Chloroform sorption in nanoporous crystalline and amorphous phases of syndiotactic polystyrene. *Journal of Polymer Science, Part B: Polymer Physics*, **2008**, 46, 8-15	2.6	29
199	Uniplanar Orientations as a Tool To Assign Vibrational Modes of Polymer Chain. *Macromolecules*, **2007**, 40, 3895-3897	5.5	32
198	Photoisomerization patterns based on molecular complex phases of syndiotactic polystyrene. *Journal of Materials Chemistry*, **2007**, 17, 531-535		56
197	Normal vibrational analysis of a trans-planar syndiotactic polystyrene chain. *Journal of Physical Chemistry B*, **2007**, 111, 6327-35	3.4	46
196	Detection and memory of nonracemic molecules by a racemic host polymer film. *Journal of the American Chemical Society*, **2007**, 129, 10992-3	16.4	91

195	Clay Delamination in Hydrocarbon Rubbers. *Chemistry of Materials*, **2007**, 19, 2495-2499	9.6	50
194	Fluorescence of Syndiotactic Polystyrene/Trimethylbenzene Clathrate and Intercalate Co-Crystals. *Chemistry of Materials*, **2007**, 19, 6041-6046	9.6	70
193	Thermal Transitions of Crystalline Phases of Syndiotactic Polystyrene. *Macromolecules*, **2007**, 40, 9470-9474	5.5	71
192	Syndiotactic Polystyrene Clathrates with Polar Guest Molecules. *Chemistry of Materials*, **2007**, 19, 3302-3308	9.6	61
191	Influence of Tacticity of Propylene Placement on Structure and Properties of Ethylene/Propylene Copolymers **2007**, 313-341		2
190	New Host Polymeric Framework and Related Polar Guest Cocrystals. *Chemistry of Materials*, **2007**, 19, 3864-3866	9.6	96
189	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	3.9	103
188	Polymer/Gas Clathrates for Gas Storage and Controlled Release. *Macromolecules*, **2006**, 39, 9166-9170	5.5	46
187	Selective Molecular Complex Phase Formation of Syndiotactic Polystyrene with a Styrene Dimer. *Macromolecules*, **2006**, 39, 9171-9176	5.5	34
186	Anisotropic Guest Diffusion in the Crystalline Host Phase of Syndiotactic Polystyrene: Transport Kinetics in Films with Three Different Uniplanar Orientations of the Host Phase. *Chemistry of Materials*, **2006**, 18, 2205-2210	9.6	63
185	Syndiotactic Polystyrene Physical Gels: Guest Influence on Structural Order in Molecular Complex Domains and Gel Transparency. *Macromolecules*, **2006**, 39, 7578-7582	5.5	35
184	Coated long-period fiber gratings as high-sensitivity optochemical sensors. *Journal of Lightwave Technology*, **2006**, 24, 1776-1786	4	74
183	Control of Crystal Size and Orientation in Polymer Films by Host Guest Interactions. *Macromolecules*, **2006**, 39, 4820-4823	5.5	31
182	Oriented Nanoporous Host Phases of Syndiotactic Polystyrene as a Tool for Spectroscopic Investigation of Guest Molecules. *Macromolecular Symposia*, **2006**, 234, 102-110	0.8	4
181	rac-[CH2(3-tert-butyl-1-indenyl)2]ZrCl2/MAO in the Copolymerization of Olefins and Dienes. *Macromolecular Symposia*, **2006**, 234, 128-138	0.8	9
180	FTIR spectra of pure helical crystalline phases of syndiotactic polystyrene. *Polymer*, **2006**, 47, 234-242	3.9	70
179	Infrared spectra and thermal reactivity of ethene copolymers containing 1,2-cyclopropane units. *Polymer*, **2006**, 47, 2274-2279	3.9	3
178	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, 13114-5	16.4	50

177	Polymeric Films with Three Different Uniplanar Crystalline Phase Orientations. *Macromolecules*, **2005**, 38, 10089-10094	5.5	65
176	Orientation and Microenvironment of Naphthalene Guest in the Host Nanoporous Phase of Syndiotactic Polystyrene. *Macromolecules*, **2005**, 38, 3696-3702	5.5	59
175	An Intercalate Molecular Complex of Syndiotactic Polystyrene. *Macromolecules*, **2005**, 38, 6965-6971	5.5	113
174	Molecular Modeling of Stereo- and Regioselectivity of Group 4 Heterocenes in the Polymerization of Propene. *Macromolecules*, **2005**, 38, 3973-3976	5.5	14
173	Activity and Microstructure Variations with Temperature in Conjugated Diene Polymerizations Catalyzed by CpTiCl3/MAO. *Macromolecules*, **2005**, 38, 6327-6335	5.5	13
172	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	5.5	29
171	Optical chemo-sensor based on long period gratings coated with /spl delta/ form syndiotactic polystyrene. *IEEE Photonics Technology Letters*, **2005**, 17, 1713-1715	2.2	49
170	Thermoplastic Molecular Sieves: New Polymeric Materials for Molecular Packaging. *ACS Symposium Series*, **2005**, 171-186	0.4	
169	High-sensitivity optical chemosensor based on coated long-period gratings for sub-ppm chemical detection in water. *Applied Physics Letters*, **2005**, 87, 234105	3.4	83
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