

Paola Rizzo

List of Publications by Year in descending order

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85
papers

2,726
citations

159585

30
h-index

189892

50
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85
all docs

85
docs citations

85
times ranked

776
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystal structure of the clathrate $\hat{\Gamma}$ form of syndiotactic polystyrene containing 1,2-dichloroethane. <i>Polymer</i> , 1999, 40, 2103-2110.	3.8	192
2	Nanoporous Polymer Crystals with Cavities and Channels. <i>Chemistry of Materials</i> , 2008, 20, 3663-3668.	6.7	153
3	Crystalline Orientation in Syndiotactic Polystyrene Cast Films. <i>Macromolecules</i> , 2002, 35, 5854-5860.	4.8	122
4	Advanced materials based on polymer cocrystalline forms. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012, 50, 305-322.	2.1	108
5	New Host Polymeric Framework and Related Polar Guest Cocrystals. <i>Chemistry of Materials</i> , 2007, 19, 3864-3866.	6.7	102
6	Detection and Memory of Nonracemic Molecules by a Racemic Host Polymer Film. <i>Journal of the American Chemical Society</i> , 2007, 129, 10992-10993.	13.7	101
7	Label-Free Vapor Selectivity in Poly(<i>p</i> -Phenylene Oxide) Photonic Crystal Sensors. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 31941-31950.	8.0	93
8	Channel Clathrate of Syndiotactic Polystyrene with <i>p</i> -nitroaniline. <i>Macromolecules</i> , 2010, 43, 1455-1466.	4.8	80
9	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
10	Thermal Transitions of $\hat{\Gamma}$ Crystalline Phases of Syndiotactic Polystyrene. <i>Macromolecules</i> , 2007, 40, 9470-9474.	4.8	76
11	Molecular Sensing by Nanoporous Crystalline Polymers. <i>Sensors</i> , 2009, 9, 9816-9857.	3.8	75
12	Polymeric Films with Three Different Uniplanar Crystalline Phase Orientations. <i>Macromolecules</i> , 2005, 38, 10089-10094.	4.8	73
13	Chlorinated Guest Orientation and Mobility in Clathrate Structures Formed with Syndiotactic Polystyrene. <i>Macromolecules</i> , 2003, 36, 8695-8703.	4.8	67
14	Anisotropic Guest Diffusion in the $\hat{\Gamma}$ Crystalline Host Phase of Syndiotactic Polystyrene: \hat{A} Transport Kinetics in Films with Three Different Uniplanar Orientations of the Host Phase. <i>Chemistry of Materials</i> , 2006, 18, 2205-2210.	6.7	66
15	Polymorphism of syndiotactic polystyrene: $\hat{\Gamma}^3$ phase crystallization induced by bulky non-guest solvents. <i>Polymer</i> , 2005, 46, 9549-9554.	3.8	65
16	Perpendicular Orientation of Host Polymer Chains in Clathrate Thick Films. <i>Macromolecules</i> , 2004, 37, 3071-3076.	4.8	58
17	Polymeric Films with Three Different Orientations of Crystalline-Phase Empty Channels. <i>Chemistry of Materials</i> , 2009, 21, 3370-3375.	6.7	57
18	Perpendicular Chain Axis Orientation in s-PS Films: \hat{A} 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

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19	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
20	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
21	Processing, thermal stability and morphology of chiral sensing syndiotactic polystyrene films. <i>Journal of Materials Chemistry</i> , 2008, 18, 567-572.	6.7	41
22	A chiral co-crystalline form of poly(2,6-dimethyl-1,4-phenylene)oxide (PPO). <i>Journal of Materials Chemistry</i> , 2012, 22, 11672.	6.7	40
23	Nanoporous triclinic $\hat{\Gamma}$ modification of syndiotactic polystyrene. <i>Polymer</i> , 2015, 63, 230-236.	3.8	39
24	Host-Guest Interactions and Crystalline Structure Evolution in Clathrate Phases Formed by Syndiotactic Polystyrene and 1,2-Dichloroethane: A Two-Dimensional FTIR Spectroscopy Investigation. <i>Macromolecules</i> , 2005, 38, 6079-6089.	4.8	35
25	Nanoporous-crystalline films of PPO with parallel and perpendicular polymer chain orientations. <i>Polymer</i> , 2019, 167, 193-201.	3.8	35
26	Chiral Optical Films Based on Achiral Chromophore Guests. <i>Journal of the American Chemical Society</i> , 2011, 133, 9872-9877.	13.7	34
27	Polymorphism and mechanical properties of syndiotactic polystyrene films. <i>Polymer</i> , 2005, 46, 11435-11441.	3.8	33
28	Uniplanar Orientations as a Tool To Assign Vibrational Modes of Polymer Chain. <i>Macromolecules</i> , 2007, 40, 3895-3897.	4.8	33
29	Azobenzene isomerization in polymer co-crystalline phases. <i>Polymer</i> , 2012, 53, 2727-2735.	3.8	33
30	Control of Crystal Size and Orientation in Polymer Films by Host-Guest Interactions. <i>Macromolecules</i> , 2006, 39, 4820-4823.	4.8	32
31	Crystalline orientation and molecular transport properties in nanoporous syndiotactic polystyrene films. <i>Macromolecular Symposia</i> , 2002, 185, 65-75.	0.7	29
32	Induced vibrational circular dichroism and polymorphism of syndiotactic polystyrene. <i>Chirality</i> , 2010, 22, E67-73.	2.6	26
33	Poly(L-lactic acid): Uniplanar Orientation in Cocrystalline Films and Structure of the Cocrystalline Form with Cyclopentanone. <i>Macromolecules</i> , 2015, 48, 7513-7520.	4.8	26
34	Chemical Stabilization of Hexanal Molecules by Inclusion as Guests of Nanoporous-Crystalline Syndiotactic Polystyrene Crystals. <i>Macromolecules</i> , 2019, 52, 2255-2264.	4.8	25
35	Syndiotactic polystyrene films with a cocrystalline phase including carvacrol guest molecules. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014, 52, 657-665.	2.1	24
36	Chiro-optical Materials Based on a Racemic Polymer. <i>Macromolecules</i> , 2010, 43, 1882-1887.	4.8	23

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37	Control of guest transport in polymer films by structure and orientation of nanoporous-crystalline phases. <i>Polymer</i> , 2013, 54, 1671-1678.	3.8	23
38	Uniplanar Orientations and Guest Exchange in PPO Cocrystalline Films. <i>Macromolecules</i> , 2013, 46, 3995-4001.	4.8	23
39	The effect of different packaging on physical and chemical properties of oranges during storage. <i>Journal of Food Processing and Preservation</i> , 2017, 41, e13168.	2.0	23
40	Circularly polarized luminescence of syndiotactic polystyrene. <i>Optical Materials</i> , 2017, 73, 595-601.	3.6	23
41	Packaging and storage condition affect the physicochemical properties of red raspberries (<i>Rubus</i>) Tj ETQq1 1 0.784314 rgBT, Overload	5.5	21
42	Disordered Nanoporous Crystalline Modifications of Syndiotactic Polystyrene. <i>Journal of Solution Chemistry</i> , 2014, 43, 158-171.	1.2	19
43	The Influence of Film and Storage on the Phenolic and Antioxidant Properties of Red Raspberries (<i>Rubus idaeus</i> L.) cv. Erika. <i>Antioxidants</i> , 2019, 8, 254.	5.1	18
44	High diffusivity dense films of a nanoporous-crystalline polymer. <i>Polymer</i> , 2021, 229, 124005.	3.8	18
45	Crystalline phase orientation in biaxially stretched isotactic polypropylene films. <i>Macromolecular Symposia</i> , 2002, 185, 53-63.	0.7	17
46	Polymorphism of Poly(2,6-dimethyl-1,4-phenylene)oxide in Axially Stretched Films. <i>Macromolecules</i> , 2020, 53, 2287-2294.	4.8	17
47	Two Different Uniplanar Axial Orientations of Syndiotactic Polystyrene Films. <i>Macromolecules</i> , 2011, 44, 5671-5681.	4.8	16
48	Axially Oriented Nanoporous Crystalline Phases of Poly(2,6-dimethyl-1,4-phenylene)oxide. <i>ACS Applied Polymer Materials</i> , 2020, 2, 3518-3524.	4.4	16
49	Fast uptake of organic pollutants from dilute aqueous solutions by nanoporous-crystalline PPO films with c-perpendicular orientation. <i>European Polymer Journal</i> , 2021, 161, 110864.	5.4	14
50	Enantiomeric guests with the same signs of chiral optical responses. <i>Chemical Communications</i> , 2014, 50, 8185-8188.	4.1	13
51	Planar Orientation and Transparency of Nanoporous-Crystalline Polymer Films. <i>Macromolecules</i> , 2021, 54, 6605-6611.	4.8	13
52	Packaging technology for improving shelf life of fruits based on a nanoporous crystalline polymer. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46256.	2.6	12
53	High Surface Area Nanoporous-Crystalline Polymer Films. <i>Macromolecules</i> , 2022, 55, 2983-2990.	4.8	12
54	Negatively Birefringent Polymer Films. <i>Macromolecular Chemistry and Physics</i> , 2009, 210, 2148-2152.	2.2	11

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55	Syndiotactic Polystyrene Films: Orientation and Structural Changes Upon Biaxial Drawing. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 1419-1426.	2.2	11
56	Mechanisms determining different planar orientations in PPO films crystallized by guest sorption. <i>Polymer</i> , 2021, 235, 124242.	3.8	11
57	Dependence on Film Thickness of Guest-Induced c Perpendicular Orientation in PPO Films. <i>Polymers</i> , 2021, 13, 4384.	4.5	11
58	Crystallization from the amorphous form of the nanoporous $\hat{\epsilon}$ form of syndiotactic polystyrene. <i>Polymer</i> , 2010, 51, 4599-4605.	3.8	10
59	Guest induced transition from $\hat{\iota}^2$ to $\hat{\iota}^{\pm}$ nanoporous crystalline forms of PPO. <i>Polymer</i> , 2020, 187, 122083.	3.8	10
60	Monomeric and Dimeric Carboxylic Acid in Crystalline Cavities and Channels of Delta and Epsilon Forms of Syndiotactic Polystyrene. <i>Polymers</i> , 2021, 13, 3330.	4.5	10
61	Melt-Extruded Films of a Commercial Polymer with Intense Chiral Optical Response of Achiral Guests. <i>Macromolecules</i> , 2014, 47, 2616-2624.	4.8	9
62	Axial Orientation of Co-Crystalline Phases of Poly(2,6-Dimethyl-1,4-Phenylene)Oxide Films. <i>Polymers</i> , 2020, 12, 2394.	4.5	9
63	Melting of nanoporous-crystalline and co-crystalline solution cast films of poly(2,6-dimethyl-1,4-phenylene) oxide. <i>Polymer</i> , 2021, 228, 123935.	3.8	9
64	Axially oriented guest induced crystallization in syndiotactic polystyrene unstretched fibers. <i>Polymer</i> , 2021, 228, 123908.	3.8	9
65	On the crystallization behavior of syndiotactic-b-atactic polystyrene stereodiblock copolymers, atactic/syndiotactic polystyrene blends, and aPS/sPS blends modified with sPS-b-aPS. <i>Materials Chemistry and Physics</i> , 2013, 141, 891-902.	4.0	8
66	Control of Guest Thermal Release by Crystalline Host Orientation. <i>ACS Applied Polymer Materials</i> , 2021, 3, 949-955.	4.4	8
67	Isolated and aggregated carvacrol guest molecules in cocrystalline poly(2,6-dimethyl-1,4-phenylene)oxide films. <i>Polymer Journal</i> , 0, , .	2.7	8
68	Polymer co-crystalline films for photonics. <i>Journal of the European Optical Society-Rapid Publications</i> , 0, 4, .	1.9	8
69	Racemic synthetic polymers and chirality. <i>Rendiconti Lincei</i> , 2013, 24, 217-226.	2.2	7
70	Molecular Features Behind Formation of $\hat{\iota}^{\pm}$ or $\hat{\iota}^2$ Co-Crystalline and Nanoporous-Crystalline Phases of PPO. <i>Frontiers in Chemistry</i> , 2021, 9, 809850.	3.6	7
71	Syndiotactic Polystyrene Films with Different Uniplanar Orientations: Additional Information on Crystal Phase Transitions. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 41-45.	2.2	6
72	Intercalation compounds of a smectite clay with an ammonium salt biocide and their possible use for conservation of cultural heritage. <i>Heliyon</i> , 2019, 5, e02991.	3.2	6

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73	Oriented Nanoporous Host-Guest Phases of Syndiotactic Polystyrene as a Tool for Spectroscopic Investigation of Guest Molecules. <i>Macromolecular Symposia</i> , 2006, 234, 102-110.	0.7	5
74	c-Perpendicular Orientation of Poly(L-lactide) Films. <i>Polymers</i> , 2021, 13, 1572.	4.5	5
75	Thermal shrinkage and heat capacity of monolithic polymeric physical aerogels. <i>Polymer</i> , 2020, 210, 123073.	3.8	4
76	Antimicrobial release from cleaning poultices for the conservation and disinfection of stone surfaces. <i>Applied Clay Science</i> , 2020, 193, 105667.	5.2	4
77	Intense Chiral Optical Phenomena in Racemic Polymers by Cocrystallization With Chiral Guest Molecules: A Brief Overview. <i>Chirality</i> , 2016, 28, 29-38.	2.6	3
78	Absorption and Isomerization of Azobenzene Guest Molecules in Polymeric Nanoporous Crystalline Phases. <i>Chemistry</i> , 2021, 3, 1074-1088.	2.2	3
79	Fast uptake of organic pollutants from dilute aqueous solutions by nanoporous-crystalline PPO films with c-perpendicular orientation. <i>European Polymer Journal</i> , 2022, 164, 110976.	5.4	3
80	c-Perpendicular orientation in thin nanoporous-crystalline poly(2,6-dimethyl-1,4-phenylene)oxide films. <i>Polymers for Advanced Technologies</i> , 2022, 33, 2344-2351.	3.2	3
81	Vibrational Spectra of Poly(ethylene terephthalate) Chains in the Mesomorphic Form. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1700362.	2.2	2
82	Nanoporous-crystalline and amorphous films of PPO including off-on vapochromic fluorescent 7-hydroxy coumarin guests. <i>Polymer</i> , 2022, 249, 124833.	3.8	2
83	Chiral Optical Response of Achiral and Enantiomeric Guests in Syndiotactic Polystyrene Films. <i>Macromolecular Symposia</i> , 2016, 359, 9-15.	0.7	1
84	High surface area polymer films by co-crystallization with low-molecular-mass guest molecules. <i>European Polymer Journal</i> , 2022, , 111305.	5.4	1
85	Thermoplastic Molecular Sieves: New Polymeric Materials for Molecular Packaging. <i>ACS Symposium Series</i> , 2005, , 171-186.	0.5	0