

Bernard Lotz

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

210
papers

14,502
citations

67
h-index

114
g-index

215
ext. papers

15,236
ext. citations

5.6
avg, IF

6.23
L-index

#	Paper	IF	Citations
210	Rippled Sheets: The Early Polyglycine Days and Recent Developments in Nylons.. <i>ChemBioChem</i> , 2022 , e202100658	3.8	0
209	A Fresh Look at the Structures of Nylons and the Brill Transition. <i>Advanced Fiber Materials</i> , 2021 , 3, 203-209	2.9	2
208	Original Crystal Structures of Even-Even Polyamides Made of Pleated and Rippled Sheets. <i>Macromolecules</i> , 2021 , 54, 551-564	5.5	8
207	Structural Ensemble of Molecular Chains in Isotactic Polypropylene under Cylindrical Confinement. <i>Macromolecules</i> , 2021 , 54, 2325-2333	5.5	1
206	Brill Transition in Nylons: The Structural Scenario(#). <i>Macromolecules</i> , 2021 , 54, 565-583	5.5	7
205	Scrolled/Cylindrical Solution-Grown Single Crystals in Form III of Isotactic Poly(1-butene). <i>Macromolecules</i> , 2020 , 53, 7570-7579	5.5	1
204	About the Crystallization of Abiotic Coded Matter. <i>ACS Macro Letters</i> , 2019 , 8, 779-782	6.6	10
203	Adding Symmetry: Cylindrically Confined Crystallization of Nylon-6. <i>Macromolecules</i> , 2019 , 52, 3298-3305	5.5	10
202	Diversified μ phase nanostructure of isotactic polypropylene under cylindrical confinement via cross diffraction analysis. <i>Polymer</i> , 2019 , 179, 121647	3.9	5
201	Surface nano-structure of polyamide 6 film by hydrothermal treatment. <i>Applied Surface Science</i> , 2018 , 442, 595-601	6.7	7
200	Oriented Overgrowths of Poly(L-Lactide) on Oriented Isotactic Polypropylene: A Sequence of Soft and Hard Epitaxies. <i>Macromolecular Rapid Communications</i> , 2018 , 39, e1800353	4.8	10
199	A few rediscovered and challenging topics in polymer crystals and crystallization. <i>Polymer Crystallization</i> , 2018 , 1, e10053	0.9	11
198	Structure of Negative Spherulites of Even-Even Polyamides. Introducing a Complex Multicomponent Spherulite Architecture. <i>Macromolecules</i> , 2018 , 51, 5138-5156	5.5	12
197	Crystal polymorphism of polylactides and poly(Pro- alt -CO): The metastable beta and gamma phases. Formation of homochiral PLLA phases in the PLLA/PDLA blends. <i>Polymer</i> , 2017 , 115, 204-210	3.9	22
196	50th Anniversary Perspective: Polymer Crystals and Crystallization: Personal Journeys in a Challenging Research Field. <i>Macromolecules</i> , 2017 , 50, 5995-6025	5.5	99
195	Handedness of Twisted Lamella in Banded Spherulite of Chiral Polylactides and Their Blends. <i>Macromolecules</i> , 2017 , 50, 5466-5475	5.5	25
194	Oriented Microstructures of Crystalline/Crystalline Block Copolymers Induced by Epitaxy and Competitive and Confined Crystallization. <i>Macromolecules</i> , 2016 , 49, 5576-5586	5.5	20

193	Manipulation of Self-Assembled Nanostructure Dimensions in Molecular Janus Particles. <i>ACS Nano</i> , 2016 , 10, 6585-96	16.7	69
192	Toward Controlled Hierarchical Heterogeneities in Giant Molecules with Precisely Arranged Nano Building Blocks. <i>ACS Central Science</i> , 2016 , 2, 48-54	16.8	66
191	An intrinsic crystallographic disorder in the frustrated β phase of syndiotactic polystyrene. <i>Polymer</i> , 2015 , 56, 245-251	3.9	5
190	Analysis of the structure and morphology of crystalline polymers by electron microscopy imaging and diffraction: a personal journey. <i>Microscopy (Oxford, England)</i> , 2014 , 63, 95-109	1.3	1
189	A New β Crystal Modification Found in Stereodeficient Isotactic Polypropylene Samples. <i>Macromolecules</i> , 2014 , 47, 7612-7624	5.5	77
188	Two-dimensional nanocrystals of molecular Janus particles. <i>Journal of the American Chemical Society</i> , 2014 , 136, 10691-9	16.4	103
187	Synthesis and Characterization of Sequence-Controlled Semicrystalline Comb Copolymers: Influence of Primary Structure on Materials Properties. <i>Macromolecules</i> , 2014 , 47, 1570-1577	5.5	35
186	Crystal Polymorphism and Crystal Transformations of Isotactic Poly(5-methylhexene-1). <i>Macromolecules</i> , 2013 , 46, 4872-4881	5.5	3
185	Exactly Defined Half-Stemmed Polymer Lamellar Crystals with Precisely Controlled Defects Locations. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 2356-2360	6.4	32
184	Phase behaviour and Janus hierarchical supramolecular structures based on asymmetric tapered bisamide. <i>Soft Matter</i> , 2012 , 8, 4767	3.6	17
183	Morphology Diagram of Single-Layer Crystal Patterns in Supercooled Poly(ethylene oxide) Ultrathin Films: Understanding Macromolecular Effect of Crystal Pattern Formation and Selection.. <i>ACS Macro Letters</i> , 2012 , 1, 217-221	6.6	25
182	Frustration and Frustrated Crystal Structures of Polymers and Biopolymers. <i>Macromolecules</i> , 2012 , 45, 2175-2189	5.5	32
181	Phase structural formation and oscillation in polystyrene-block-polydimethylsiloxane thin films. <i>Soft Matter</i> , 2012 , 8, 7937	3.6	26
180	A Supramolecular Double-Cable Structure with a 12944 Helix in a Columnar Porphyrin-C60 Dyad and its Application in Polymer Solar Cells. <i>Advanced Energy Materials</i> , 2012 , 2, 1375-1382	21.8	40
179	Scrolled Polymer Single Crystals Driven by Unbalanced Surface Stresses: Rational Design and Experimental Evidence. <i>Macromolecules</i> , 2011 , 44, 7758-7766	5.5	29
178	Hierarchical structure and polymorphism of a sphere-cubic shape amphiphile based on a polyhedral oligomeric silsesquioxane[50]fullerene conjugate. <i>Journal of Materials Chemistry</i> , 2011 , 21, 14240		61
177	Stem Tilt in β Form Single Crystals of Isotactic Polypropylene: A Manifestation of Conformational Constraints Set by Stereochemistry and Minimized Fold Encumbrance. <i>Macromolecules</i> , 2011 , 44, 3916-3923	5.5	17
176	Breaking symmetry toward nonspherical Janus particles based on polyhedral oligomeric silsesquioxanes: molecular design, "click" synthesis, and hierarchical structure. <i>Journal of the American Chemical Society</i> , 2011 , 133, 10712-5	16.4	140

175	Crystal growth pattern changes in low molecular weight poly(ethylene oxide) ultrathin films. <i>Polymer</i> , 2011 , 52, 1133-1140	3.9	26
174	Supramolecular Structure of β -Cyclodextrin and Poly(ethylene oxide)-block-poly(propylene oxide)-block-poly(ethylene oxide) Inclusion Complexes. <i>Macromolecules</i> , 2010 , 43, 9454-9461	5.5	39
173	Kinetically Controlled Self-Assembled Superstructures from Semicrystalline Chiral Block Copolymers. <i>Macromolecules</i> , 2010 , 43, 7752-7758	5.5	30
172	Syndiotactic Polystyrene Nanofibers Obtained from High-Temperature Solution Electrospinning Process. <i>Macromolecules</i> , 2010 , 43, 2371-2376	5.5	21
171	Solution Crystallization Behavior of Crystalline/Crystalline Diblock Copolymers of Poly(ethylene oxide)-block-poly(ϵ -caprolactone). <i>Macromolecules</i> , 2010 , 43, 6113-6119	5.5	74
170	Thickening-Induced Faceting Habit Change in Solution-Grown Poly(L-lactic acid) Crystals. <i>Macromolecules</i> , 2010 , 43, 2382-2388	5.5	12
169	Helical Crystal Assemblies in Nonracemic Chiral Liquid Crystalline Polymers: Where Chemistry and Physics Meet. <i>Industrial & Engineering Chemistry Research</i> , 2010 , 49, 11936-11947	3.9	19
168	Epitaxially Dominated Crystalline Morphologies of the β Phase in Isotactic Polypropylene. <i>Macromolecules</i> , 2009 , 42, 4758-4768	5.5	31
167	Poly(ethylene oxide) Crystal Orientation Change under 1D Nanoscale Confinement using Polystyrene-block-poly(ethylene oxide) Copolymers: Confined Dimension and Reduced Tethering Density Effects. <i>Macromolecules</i> , 2009 , 42, 8343-8352	5.5	53
166	Shear-Induced Ordering of Ferroelectric Crystals in Spin-Coated Thin Poly(vinylidene fluoride-co-trifluoroethylene) Films. <i>Macromolecules</i> , 2009 , 42, 4148-4154	5.5	44
165	Crystal Orientation Change and Its Origin in One-Dimensional Nanoconfinement Constructed by Polystyrene-block-poly(ethylene oxide) Single Crystal Mats. <i>Macromolecules</i> , 2008 , 41, 8114-8123	5.5	64
164	Ordered Ferroelectric PVDF/rFE Thin Films by High Throughput Epitaxy for Nonvolatile Polymer Memory. <i>Macromolecules</i> , 2008 , 41, 8648-8654	5.5	95
163	Poly(ethylene oxide) Crystallization within a One-Dimensional Defect-Free Confinement on the Nanoscale. <i>Macromolecules</i> , 2008 , 41, 4794-4801	5.5	59
162	Molecular and Crystalline Microstructure of Ferroelectric Poly(vinylidene fluoride-co-trifluoroethylene) Ultrathin Films on Bare and Self-Assembled Monolayer-Modified Au Substrates. <i>Macromolecules</i> , 2008 , 41, 109-119	5.5	44
161	Temperature Dependence of Crystal Growth Rate for α and β Forms of Isotactic Polypropylene. <i>Polymer Journal</i> , 2008 , 40, 915-922	2.7	49
160	Polymer Crystallization Processes as Seen from the Growth Front's Perspective. <i>Polymer Journal</i> , 2008 , 40, 891-899	2.7	5
159	Poly(ethylene oxide) Crystal Orientation Changes in an Inverse Hexagonal Cylindrical Phase Morphology Constructed by a Poly(ethylene oxide)-block-polystyrene Diblock Copolymer. <i>Macromolecules</i> , 2007 , 40, 526-534	5.5	31
158	Morphology and structure of poly(p-dioxanone). <i>European Polymer Journal</i> , 2007 , 43, 4662-4674	5.2	16

157	A new approach in the study of tethered diblock copolymer surface morphology and its tethering density dependence. <i>Polymer</i> , 2007 , 48, 3732-3738	3.9	29
156	Electron microscopy investigation of polymer single crystals, after fifty years. <i>Microscopy and Microanalysis</i> , 2007 , 13, 440-441	0.5	2
155	A low symmetry structure of isotactic poly(4-methyl-pentene-1), Form II. An illustration of the impact of chain folding on polymer crystal structure and unit-cell symmetry. <i>Polymer</i> , 2006 , 47, 5478-5493	3.9	14
154	Determination of the Extent of Lateral Spread and Density of Secondary Nucleation in Polymer Single Crystal Growth. <i>Macromolecules</i> , 2006 , 39, 9120-9131	5.5	15
153	Role of Columnar Mesophase in the Morphological Evolution of Polymer Single Crystals upon Heating: A Combined Atomic Force Microscopy and Electron Diffraction Study. <i>Macromolecules</i> , 2006 , 39, 978-987	5.5	12
152	Crystalline Polymers in Nanoscale 1D Spatial Confinement. <i>Macromolecules</i> , 2006 , 39, 5782-5788	5.5	102
151	A Structure of Copolymers of Propene and Hexene Isomorphous to Isotactic Poly(1-butene) Form I. <i>Macromolecules</i> , 2006 , 39, 5777-5781	5.5	67
150	Polysynthetic Twinning in Poly(vinylcyclohexane) Single Crystals and Fractional Secondary Nucleation in Polymer Crystal Growth. <i>Macromolecules</i> , 2006 , 39, 1008-1019	5.5	18
149	Onsets of Tethered Chain Overcrowding and Highly Stretched Brush Regime via Crystalline-Amorphous Diblock Copolymers. <i>Macromolecules</i> , 2006 , 39, 641-650	5.5	140
148	Oriented Microstructures of Polystyrene-b-poly(l-lactide) Thin Films Induced by Crystallizable Solvents. <i>Macromolecules</i> , 2006 , 39, 7071-7077	5.5	21
147	Organogelators and Polymer Crystallisation. <i>Macromolecular Symposia</i> , 2006 , 241, 103-110	0.8	44
146	Comparison of poly(ethylene oxide) crystal orientations and crystallization behaviors in nano-confined cylinders constructed by a poly(ethylene oxide)-b-polystyrene diblock copolymer and a blend of poly(ethylene oxide)-b-polystyrene and polystyrene. <i>Polymer</i> , 2006 , 47, 5457-5466	3.9	84
145	An unusual branching in single crystals of isotactic poly(4-methyl-1-pentene). <i>Polymer</i> , 2006 , 47, 836-840	3.9	8
144	Side chain length dependence on supra-molecular structures in a series of aromatic polyimides having terminal 4-cyanobiphenyl liquid crystalline side chains. <i>Polymer</i> , 2006 , 47, 4182-4193	3.9	24
143	Comments on: A critical assessment of unbalanced surface stresses: Some complementary considerations by DC Bassett. <i>Polymer</i> , 2006 , 47, 3267-3270	3.9	11
142	Structural characterisation of ultra-high vacuum sublimated polycrystalline thin films of hexathiophene. <i>Thin Solid Films</i> , 2006 , 500, 169-173	2.2	8
141	Structural Matching between the Polymeric Nucleating Agent Isotactic Poly(vinylcyclohexane) and Isotactic Polypropylene. <i>Macromolecules</i> , 2006 , 39, 2832-2840	5.5	48
140	Structural characterisation of single crystals and thin films of dihexylquaterthiophene. <i>Journal of Materials Chemistry</i> , 2005 , 15, 2444		32

139	A critical assessment of unbalanced surface stresses as the mechanical origin of twisting and scrolling of polymer crystals. <i>Polymer</i> , 2005 , 46, 577-610	3.9	331
138	Enthalpic and entropic origins of nucleation barriers during polymer crystallization: the Hoffman-Lauritzen theory and beyond. <i>Polymer</i> , 2005 , 46, 8662-8681	3.9	110
137	Submicrometer Scroll/Tubular Lamellar Crystals of Nylon 6,6. <i>Advanced Materials</i> , 2004 , 16, 600-605	24	56
136	Organisation, structure and morphology of organic thin films via electron microscopy. <i>Organic Electronics</i> , 2004 , 5, 7-22	3.5	4
135	Chemically Shielded Poly(ethylene oxide) Single Crystal Growth and Construction of Channel-Wire Arrays with Chemical and Geometric Recognitions on a Submicrometer Scale. <i>Macromolecules</i> , 2004 , 37, 5292-5299	5.5	110
134	Confinement Size Effect on Crystal Orientation Changes of Poly(ethylene oxide) Blocks in Poly(ethylene oxide)-b-polystyrene Diblock Copolymers. <i>Macromolecules</i> , 2004 , 37, 3689-3698	5.5	124
133	Molecular and Microdomain Orientation in Semicrystalline Block Copolymer Thin Films by Directional Crystallization of the Solvent and Epitaxy. <i>Macromolecular Chemistry and Physics</i> , 2003 , 204, 1514-1523	2.6	37
132	Molecular alignments in sexiphenyl thin films epitaxially grown on muscovite. <i>Thin Solid Films</i> , 2003 , 443, 108-114	2.2	53
131	Crystallization-Induced Orientation for Microstructures of Poly(L-lactide)-b-poly(ϵ -caprolactone) Diblock Copolymers. <i>Macromolecules</i> , 2003 , 36, 9085-9092	5.5	72
130	Spherulite Morphology of Form III Isotactic Poly(1-butene). <i>Macromolecules</i> , 2003 , 36, 286-290	5.5	60
129	Morphology and Melting of Truncated Single Crystals of Linear Polyethylene. <i>Macromolecules</i> , 2003 , 36, 8376-8384	5.5	42
128	Chain Orientation and Defects in Lamellar Single Crystals of Syndiotactic Polypropylene Fractions. <i>Macromolecules</i> , 2003 , 36, 9485-9491	5.5	14
127	Elastic Deformation Mechanism and Phase Transformation in a Shear-Induced Metastable Hexagonally Perforated Layer Phase of a Polystyrene-b-poly(ethylene oxide) Diblock Copolymer. <i>Macromolecules</i> , 2003 , 36, 3180-3188	5.5	54
126	Crystal structure of polycrystalline films of quaterthiophene grown by organic molecular beam deposition. <i>Synthetic Metals</i> , 2003 , 138, 125-130	3.6	29
125	Epitaxial Nucleation of Poly(ethylene terephthalate) by Talc: Structure at the Lattice and Lamellar Scales. <i>Macromolecules</i> , 2003 , 36, 4452-4456	5.5	81
124	Nanoconfined Polymer Crystallization in the Hexagonally Perforated Layers of a Self-Assembled PS-b-PEO Diblock Copolymer. <i>Advanced Materials</i> , 2002 , 14, 31-34	24	50
123	Specificity and versatility of nucleating agents toward isotactic polypropylene crystal phases. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2002 , 40, 2504-2515	2.6	129
122	MOLECULAR ASPECTS OF STRUCTURE AND MORPHOLOGY OF ISOTACTIC POLYPROPYLENE. <i>Journal of Macromolecular Science - Physics</i> , 2002 , 41, 685-709	1.4	37

121	Nanotailored Crystalline Morphology in Hexagonally Perforated Layers of a Self-Assembled PS-b-PEO Diblock Copolymer. <i>Macromolecules</i> , 2002 , 35, 3553-3562	5.5	84
120	Liquid Crystalline Phases, Microtwinning in Crystals and Helical Chirality Transformations in a Main-Chain Chiral Liquid Crystalline Polyester. <i>Macromolecules</i> , 2002 , 35, 5475-5482	5.5	26
119	Helical Twist Senses, Liquid Crystalline Behavior, Crystal Microtwins, and Rotation Twins in a Polyester Containing Main-Chain Molecular Asymmetry and Effects of the Number of Methylene Units in the Backbones on the Phase Structures and Morphologies of Its Homologues. <i>Macromolecules</i> , 2002 , 35, 9678-9686	5.5	31
118	Supramolecular Structure of Liquid-Crystalline Polyesters in Triclinic Cell. <i>Macromolecules</i> , 2002 , 35, 2288-2295	3.9	54
117	Impact of nucleating agents of PVDF on the crystallization of PVDF/PMMA blends. <i>Polymer</i> , 2001 , 42, 8799-8806	3.9	45
116	Self-nucleation and enhanced nucleation of polyvinylidene fluoride (β phase). <i>Polymer</i> , 2001 , 42, 8787-8798	3.9	50
115	Hard and soft confinement effects on polymer crystallization in microphase separated cylinder-forming PEO-b-PS/PS blends. <i>Polymer</i> , 2001 , 42, 9121-9131	3.9	162
114	Alteration of Classical Microdomain Patterns of Block Copolymers by Degenerate Epitaxy. <i>Advanced Materials</i> , 2001 , 13, 724-728	24	35
113	Phase structures and morphologies determined by self-organization, vitrification, and crystallization: confined crystallization in an ordered lamellar phase of PEO-b-PS diblock copolymer. <i>Polymer</i> , 2001 , 42, 5829-5839	3.9	251
112	Epitaxy of isotactic poly(1-butene): new substrates, impact and attempt at recognition of helix orientation in form I? by AFM. <i>Polymer</i> , 2001 , 42, 7033-7047	3.9	40
111	Dislocation-controlled perforated layer phase in a PEO- b-PS diblock copolymer. <i>Physical Review Letters</i> , 2001 , 86, 6030-3	7.4	61
110	Initial-Stage Growth Controlled Crystal Orientations in Nanoconfined Lamellae of a Self-Assembled Crystalline/Amorphous Diblock Copolymer. <i>Macromolecules</i> , 2001 , 34, 1244-1251	5.5	139
109	Early-Stage Formation of Helical Single Crystals and Their Confined Growth in Thin Film. <i>Macromolecules</i> , 2001 , 34, 3634-3641	5.5	46
108	Left or right, it is a matter of one methylene unit. <i>Journal of the American Chemical Society</i> , 2001 , 123, 2462-3	16.4	79
107	Isochiral Form II of Syndiotactic Polypropylene Produced by Epitaxial Crystallization. <i>Macromolecules</i> , 2001 , 34, 6261-6267	5.5	44
106	Crystal Structure of the β Form of Poly(L-lactide). <i>Macromolecules</i> , 2001 , 34, 4795-4801	5.5	176
105	Crystal Orientation Changes in Two-Dimensionally Confined Nanocylinders in a Poly(ethylene oxide)-b-polystyrene/Polystyrene Blend. <i>Macromolecules</i> , 2001 , 34, 6649-6657	5.5	151
104	Polymer and organic molecules ordered via epitaxy: geometrical and molecular interactions. <i>Macromolecular Symposia</i> , 2001 , 166, 43-58	0.8	13

103	Epitaxial crystallization of isotactic poly(4-methyl-pentene-1). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2000 , 38, 3088-3097	2.6	7
102	Multiple nucleation of the (010) contact face of isotactic polypropylene, β phase. <i>Polymer</i> , 2000 , 41, 7241-7253	3.9	67
101	Epitaxial crystallization and crystalline polymorphism of polylactides. <i>Polymer</i> , 2000 , 41, 8909-8919	3.9	438
100	The frustrated structure of poly(L-lactide). <i>Polymer</i> , 2000 , 41, 8921-8930	3.9	257
99	A novel epitaxy of isotactic polypropylene (β phase) on PTFE and organic substrates. <i>Polymer</i> , 2000 , 41, 2613-2625	3.9	62
98	Structural and morphological aspects of some polymorphs of syndiotactic poly(p-methylstyrene). <i>Polymer</i> , 2000 , 41, 3745-3749	3.9	12
97	Microdomain patterns from directional eutectic solidification and epitaxy. <i>Nature</i> , 2000 , 405, 433-7	50.4	333
96	Phase transformations in a chiral main-chain liquid crystalline polyester involving double-twist helical crystals. <i>Polymer</i> , 2000 , 41, 8953-8960	3.9	21
95	Crystallization, Melting and Morphology of Syndiotactic Polypropylene Fractions. 4. In Situ Lamellar Single Crystal Growth and Melting in Different Sectors. <i>Macromolecules</i> , 2000 , 33, 6861-6868	5.5	64
94	Molecular Orientations in Flat-Elongated and Helical Lamellar Crystals of a Main-Chain Nonracemic Chiral Polyester. <i>Journal of the American Chemical Society</i> , 2000 , 122, 72-79	16.4	84
93	Control of Molecular and Microdomain Orientation in a Semicrystalline Block Copolymer Thin Film by Epitaxy. <i>Macromolecules</i> , 2000 , 33, 4871-4876	5.5	79
92	Crystallization Temperature-Dependent Crystal Orientations within Nanoscale Confined Lamellae of a Self-Assembled Crystalline/Amorphous Diblock Copolymer. <i>Journal of the American Chemical Society</i> , 2000 , 122, 5957-5967	16.4	365
91	Double Twist in Helical Polymer Soft Crystals. <i>Physical Review Letters</i> , 1999 , 83, 4558-4561	7.4	93
90	The effective paradox revisited: an extended analysis of Kovacs volume recovery data on poly(vinyl acetate). <i>Polymer</i> , 1999 , 40, 5183-5205	3.9	36
89	Structure organization of sexithiophene vapour deposited onto HOPG and SiH/Si(111). <i>Synthetic Metals</i> , 1999 , 101, 526-527	3.6	7
88	Structural data on the packing of poly(ester amide)s derived from glycine, hexanediol, and odd-numbered dicarboxylic acids. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1999 , 37, 2521-2533	2.6	28
87	Epitaxial growth of para-hexaphenyl on GaAs(001)-2 \times 8. <i>Surface Science</i> , 1999 , 437, 191-197	1.8	19
86	Crystallization of Syndiotactic Polystyrene in β Form. 4. Crystal Structure of Melt-Grown Modification. <i>Macromolecules</i> , 1999 , 32, 4905-4911	5.5	29

85	Helical single-lamellar crystals thermotropically formed in a synthetic nonracemic chiral main-chain polyester. <i>Physical Review B</i> , 1999 , 60, 12675-12680	3.3	25
84	Double-Twisted Helical Lamellar Crystals in a Synthetic Main-Chain Chiral Polyester Similar to Biological Polymers. <i>Macromolecules</i> , 1999 , 32, 524-527	5.5	55
83	End phases of isotactic polypropylene: a case of growth kinetics 'phase reentrancy' in polymer crystallization. <i>Polymer</i> , 1998 , 39, 4561-4567	3.9	178
82	Isotactic polypropylene, β phase: a study in frustration. <i>Polymer</i> , 1998 , 39, 6331-6337	3.9	116
81	High-resolution TEM of the melt-crystallized modification of syndiotactic polystyrene. <i>Polymer</i> , 1998 , 39, 5273-5275	3.9	18
80	Origine moléculaire de l'enroulement des lamelles cristallines du poly(fluorure de vinylidène), phase β <i>Comptes Rendus De L'Académie Des Sciences - Series IIc: Chemistry</i> , 1998 , 1, 609-614		5
79	The Superstructure of Syndiotactic Polystyrene: A Frustrated Structure. <i>Macromolecules</i> , 1998 , 31, 3303-3310	5.5	115
78	Chirality Constraints in Crystal-Crystal Transformations: Isotactic Poly(1-butene) versus Syndiotactic Polypropylene. <i>Macromolecules</i> , 1998 , 31, 9253-9257	5.5	85
77	Frustrated Crystal Structure of Poly(L-hydroxyproline). <i>Macromolecules</i> , 1998 , 31, 3049-3054	5.5	21
76	Crystal Structure of Poly(tert-Butylethylene sulfide): A Reappraisal in the Light of Frustration. <i>Macromolecules</i> , 1998 , 31, 3040-3048	5.5	18
75	Epitaxial Crystallization and AFM Investigation of a Frustrated Polymer Structure: Isotactic Poly(propylene), β Phase. <i>Macromolecules</i> , 1998 , 31, 807-814	5.5	223
74	Uniaxial deformation of nylon-6 and nylon-11: changes in orientation and crystal phase. <i>Canadian Journal of Chemistry</i> , 1998 , 76, 1491-1500	0.9	10
73	Spectroscopic Evidence for a Substrate Dependent Orientation of Sexithiophene Thin Films Deposited onto Oriented PTFE. <i>Journal of Physical Chemistry B</i> , 1997 , 101, 8204-8211	3.4	31
72	Substrate Dependent Orientation and Structure of Sexithiophene Thin Films. <i>Synthetic Metals</i> , 1997 , 84, 605-606	3.6	23
71	Triangular Polymer Single Crystals: Stereocomplexes, Twins, and Frustrated Structures. <i>Macromolecules</i> , 1997 , 30, 6313-6322	5.5	213
70	Structural analysis of minimized models for syndiotactic polypropylene. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1997 , 35, 2523-2533	2.6	12
69	Synthesis and Characterization of Polyamides n,3. <i>Macromolecules</i> , 1996 , 29, 1886-1893	5.5	7
68	Interfacial interactions and structure of polyolefins. <i>Macromolecular Symposia</i> , 1996 , 101, 91-94	0.8	1

67	Structure and morphology of poly(propylenes): a molecular analysis. <i>Polymer</i> , 1996 , 37, 4979-4992	3.9	510
66	Polymer decoration study in chain folding behavior of solution-grown poly(ethylene oxide) crystals. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1995 , 33, 1851-1855	2.6	36
65	Perfectly alternating ethylene-carbon monoxide copolymers: structure and morphology of epitaxially grown crystals. <i>Polymer</i> , 1995 , 36, 1915-1918	3.9	12
64	Structure and Chiroptical Properties of Bis[(S)-methylbutyl]silylene-Dipentylsilylene Copolymers. <i>Macromolecules</i> , 1995 , 28, 5498-5506	5.5	27
63	Structural polymorphism of crystalline polymers: Electron and atomic force microscopy contributions. <i>Macromolecular Symposia</i> , 1995 , 94, 97-104	0.8	5
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