Bernard Lotz

List of Publications by Year
in descending order

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212	16,336	13332	20023
papers	citations	70 h-index	121 g-index

215	215	215	7867
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The structural language of crystalline polymers*. Polymer Engineering and Science, 2022, 62, 304-308.	1.5	3
2	Rippled Sheets: The Early Polyglycine Days and Recent Developments in Nylons. ChemBioChem, 2022, 23, e202100658.	1.3	5
3	Original Crystal Structures of Evenâ€“Even Polyamides Made of Pleated and Rippled Sheets. Macromolecules, 2021, 54, 551-564.	2.2	25
4	Structural Ensemble of Molecular Chains in Isotactic Polypropylene under Cylindrical Confinement. Macromolecules, 2021, 54, 2325-2333.	2.2	2
5	A Fresh Look at the Structures of Nylons and the Brill Transition. Advanced Fiber Materials, 2021, 3, 203-209.	7.9	7
6	Brill Transition in Nylons: The Structural Scenario(). Macromolecules, 2021, 54, 565-583.	2.2	21
7	Scrolled/Cylindrical Solution-Grown Single Crystals in Form III of Isotactic Poly(1-butene). Macromolecules, 2020, 53, 7570-7579.	2.2	4
8	Diversified Î±-phase nanostructure of isotactic polypropylene under cylindrical confinement via cross diffraction analysis. Polymer, 2019, 179, 121647.	1.8	6
9	About the Crystallization of Abiotic Coded Matter. ACS Macro Letters, 2019, 8, 779-782.	2.3	15
10	Adding Symmetry: Cylindrically Confined Crystallization of Nylon-6. Macromolecules, 2019, 52, 3298-3305.	2.2	11
11	Surface nano-structure of polyamide 6 film by hydrothermal treatment. Applied Surface Science, 2018, 442, 595-601.	3.1	11
12	A few rediscovered and challenging topics in polymer crystals and crystallization. Polymer Crystallization, 2018, 1, e10053.	0.5	12
13	Structure of Negative Spherulites of Evenâ€“Even Polyamides. Introducing a Complex Multicomponent Spherulite Architecture. Macromolecules, 2018, 51, 5138-5156.	2.2	18
14	Oriented Overgrowths of Poly(<scp>l</scp>â€Lactide) on Oriented Isotactic Polypropylene: A Sequence of Soft and Hard Epitaxies. Macromolecular Rapid Communications, 2018, 39, e1800353.	2.0	17
15	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. Polymer, 2017, 115, 204-210.	1.8	24
16	50th Anniversary Perspective: Polymer Crystals and Crystallization: Personal Journeys in a Challenging Research Field. Macromolecules, 2017, 50, 5995-6025.	2.2	155
17	Handedness of Twisted Lamella in Banded Spherulite of Chiral Polylactides and Their Blends. Macromolecules, 2017, 50, 5466-5475.	2.2	37
18	Oriented Microstructures of Crystallineâ€“Crystalline Block Copolymers Induced by Epitaxy and Competitive and Confined Crystallization. Macromolecules, 2016, 49, 5576-5586.	2.2	28

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19	Manipulation of Self-Assembled Nanostructure Dimensions in Molecular Janus Particles. ACS Nano, 2016, 10, 6585-6596.	7.3	79
20	Toward Controlled Hierarchical Heterogeneities in Giant Molecules with Precisely Arranged Nano Building Blocks. ACS Central Science, 2016, 2, 48-54.	5.3	76
21	An intrinsic crystallographic disorder in the frustrated Î±â€³ phase of syndiotactic polystyrene. Polymer, 2015, 56, 245-251.	1.8	6
22	Analysis of the structure and morphology of crystalline polymers by electron microscopy imaging and diffraction: a personal journey. Microscopy (Oxford, England), 2014, 63, 95-109.	0.7	1
23	A New Îµ Crystal Modification Found in Stereodefective Isotactic Polypropylene Samples. Macromolecules, 2014, 47, 7612-7624.	2.2	93
24	Two-Dimensional Nanocrystals of Molecular Janus Particles. Journal of the American Chemical Society, 2014, 136, 10691-10699.	6.6	117
25	Synthesis and Characterization of Sequence-Controlled Semicrystalline Comb Copolymers: Influence of Primary Structure on Materials Properties. Macromolecules, 2014, 47, 1570-1577.	2.2	41
26	Crystal Polymorphism and Crystal Transformations of Isotactic Poly(5-methylhexene-1). Macromolecules, 2013, 46, 4872-4881.	2.2	4
27	Exactly Defined Half-Stemmed Polymer Lamellar Crystals with Precisely Controlled Defectsâ€™ Locations. Journal of Physical Chemistry Letters, 2013, 4, 2356-2360.	2.1	34
28	Phase behaviour and Janus hierarchical supramolecular structures based on asymmetric tapered bisamide. Soft Matter, 2012, 8, 4767.	1.2	18
29	Morphology Diagram of Single-Layer Crystal Patterns in Supercooled Poly(ethylene oxide) Ultrathin Films: Understanding Macromolecular Effect of Crystal Pattern Formation and Selection. ACS Macro Letters, 2012, 1, 217-221.	2.3	30
30	Frustration and Frustrated Crystal Structures of Polymers and Biopolymers. Macromolecules, 2012, 45, 2175-2189.	2.2	39
31	Phase structural formation and oscillation in polystyrene-block-polydimethylsiloxane thin films. Soft Matter, 2012, 8, 7937.	1.2	27
32	A Supramolecular â€œDoubleâ€Cableâ€•Structure with a 129₄₄ Helix in a Columnar Porphyrinâ€C₆₀ Dyad and its Application in Polymer Solar Cells. Advanced Energy Materials, 2012, 2, 1375-1382.	10.2	43
33	Stem Tilt in Î±-Form Single Crystals of Isotactic Polypropylene: A Manifestation of Conformational Constraints Set by Stereochemistry and Minimized Fold Encumbrance. Macromolecules, 2011, 44, 3916-3923.	2.2	17
34	Breaking Symmetry toward Nonspherical Janus Particles Based on Polyhedral Oligomeric Silsesquioxanes: Molecular Design, â€œClickâ€•Synthesis, and Hierarchical Structure. Journal of the American Chemical Society, 2011, 133, 10712-10715.	6.6	148
35	Scrolled Polymer Single Crystals Driven by Unbalanced Surface Stresses: Rational Design and Experimental Evidence. Macromolecules, 2011, 44, 7758-7766.	2.2	30
36	Hierarchical structure and polymorphism of a sphere-cubic shape amphiphile based on a polyhedral oligomeric silsesquioxaneâ€“[60]fullerene conjugate. Journal of Materials Chemistry, 2011, 21, 14240.	6.7	67

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37	Crystal growth pattern changes in low molecular weight poly(ethylene oxide) ultrathin films. Polymer, 2011, 52, 1133-1140.	1.8	27
38	Supramolecular Structure of Î²-Cyclodextrin and Poly(ethylene oxide)-block-poly(propylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.2	44
39	Kinetically Controlled Self-Assembled Superstructures from Semicrystalline Chiral Block Copolymers. Macromolecules, 2010, 43, 7752-7758.	2.2	37
40	Syndiotactic Polystyrene Nanofibers Obtained from High-Temperature Solution Electrospinning Process. Macromolecules, 2010, 43, 2371-2376.	2.2	27
41	Solution Crystallization Behavior of Crystallineâ^'Crystalline Diblock Copolymers of Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock	2.2	83
42	Thickening-Induced Faceting Habit Change in Solution-Grown Poly(<scp>l</scp>-lactic acid) Crystals. Macromolecules, 2010, 43, 2382-2388.	2.2	15
43	Helical Crystal Assemblies in Nonracemic Chiral Liquid Crystalline Polymers: Where Chemistry and Physics Meet. Industrial & Engineering Chemistry Research, 2010, 49, 11936-11947.	1.8	21
44	Epitaxially Dominated Crystalline Morphologies of the Î³-Phase in Isotactic Polypropylene. Macromolecules, 2009, 42, 4758-4768.	2.2	33
45	Poly(ethylene oxide) Crystal Orientation Change under 1D Nanoscale Confinement using Polystyrene-block-poly(ethylene oxide) Copolymers: Confined Dimension and Reduced Tethering Density Effects. Macromolecules, 2009, 42, 8343-8352.	2.2	57
46	Shear-Induced Ordering of Ferroelectric Crystals in Spin-Coated Thin Poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Td (fluor	2.2	49
47	Temperature Dependence of Crystal Growth Rate for Î± and Î² Forms of Isotactic Polypropylene. Polymer Journal, 2008, 40, 915-922.	1.3	58
48	Polymer Crystallization Processes as Seen from the Growth Frontâ€™s Perspective. Polymer Journal, 2008, 40, 891-899.	1.3	8
49	Crystal Orientation Change and Its Origin in One-Dimensional Nanoconfinement Constructed by Polystyrene-block-poly(ethylene oxide) Single Crystal Mats. Macromolecules, 2008, 41, 8114-8123.	2.2	65
50	Ordered Ferroelectric PVDFâ^'TrFE Thin Films by High Throughput Epitaxy for Nonvolatile Polymer Memory. Macromolecules, 2008, 41, 8648-8654.	2.2	105
51	Poly(ethylene oxide) Crystallization within a One-Dimensional Defect-Free Confinement on the Nanoscale. Macromolecules, 2008, 41, 4794-4801.	2.2	59
52	Molecular and Crystalline Microstructure of Ferroelectric Poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td (fluoride-co Au Substrates. Macromolecules, 2008, 41, 109-119.	2.2	50
53	Electron microscopy investigation of polymer single crystals, after fifty years. Microscopy and Microanalysis, 2007, 13, 440-441.	0.2	2
54	Poly(ethylene oxide) Crystal Orientation Changes in an Inverse Hexagonal Cylindrical Phase Morphology Constructed by a Poly(ethylene oxide)-block-polystyrene Diblock Copolymer. Macromolecules, 2007, 40, 526-534.	2.2	36

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55	Morphology and structure of poly(p-dioxanone). European Polymer Journal, 2007, 43, 4662-4674.	2.6	20
56	A new approach in the study of tethered diblock copolymer surface morphology and its tethering density dependence. Polymer, 2007, 48, 3732-3738.	1.8	30
57	Determination of the Extent of Lateral Spread and Density of Secondary Nucleation in Polymer Single Crystal Growth. Macromolecules, 2006, 39, 9120-9131.	2.2	18
58	Role of Columnar Mesophase in the Morphological Evolution of Polymer Single Crystals upon Heating:Â A Combined Atomic Force Microscopy and Electron Diffraction Study. Macromolecules, 2006, 39, 978-987.	2.2	12
59	Crystalline Polymers in Nanoscale 1D Spatial Confinement. Macromolecules, 2006, 39, 5782-5788.	2.2	107
60	A Structure of Copolymers of Propene and Hexene Isomorphous to Isotactic Poly(1-butene) Form I. Macromolecules, 2006, 39, 5777-5781.	2.2	72
61	Polysynthetic Twinning in Poly(vinylcyclohexane) Single Crystals and â€œFractionalâ€•Secondary Nucleation in Polymer Crystal Growth. Macromolecules, 2006, 39, 1008-1019.	2.2	21
62	Onsets of Tethered Chain Overcrowding and Highly Stretched Brush Regime via Crystallineâ^'Amorphous Diblock Copolymers. Macromolecules, 2006, 39, 641-650.	2.2	159
63	Oriented Microstructures of Polystyrene-b-poly(l-lactide) Thin Films Induced by Crystallizable Solvents. Macromolecules, 2006, 39, 7071-7077.	2.2	23
64	Organogelators and Polymer Crystallisation. Macromolecular Symposia, 2006, 241, 103-110.	0.4	47
65	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. Polymer, 2006, 47, 5457-5466.	1.8	87
66	An unusual branching in single crystals of isotactic poly(4-methyl-1-pentene). Polymer, 2006, 47, 836-840.	1.8	9
67	Side chain length dependence on supra-molecular structures in a series of aromatic polyimides having terminal 4-cyanobiphenyl liquid crystalline side chains. Polymer, 2006, 47, 4182-4193.	1.8	25
68	Comments on: â€˜A critical assessment of unbalanced surface stresses: Some complementary considerationsâ€™, by DC Bassett. Polymer, 2006, 47, 3267-3270.	1.8	13
69	Structural characterisation of ultra-high vacuum sublimated polycrystalline thin films of hexathiophene. Thin Solid Films, 2006, 500, 169-173.	0.8	8
70	Structural Matching between the Polymeric Nucleating Agent Isotactic Poly(vinylcyclohexane) and Isotactic Polypropylene. Macromolecules, 2006, 39, 2832-2840.	2.2	56
71	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. Polymer, 2006, 47, 5478-5493.	1.8	15
72	A critical assessment of unbalanced surface stresses as the mechanical origin of twisting and scrolling of polymer crystals. Polymer, 2005, 46, 577-610.	1.8	373

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73	Enthalpic and entropic origins of nucleation barriers during polymer crystallization: the Hoffmanâ€“Lauritzen theory and beyond. Polymer, 2005, 46, 8662-8681.	1.8	126
74	Structural characterisation of single crystals and thin films of Î±,Ï‰-dihexylquaterthiophene. Journal of Materials Chemistry, 2005, 15, 2444.	6.7	33
75	Submicrometer Scroll/Tubular Lamellar Crystals of Nylon 6,6. Advanced Materials, 2004, 16, 600-605.	11.1	58
76	Organisation, structure and morphology of organic thin films via electron microscopy. Organic Electronics, 2004, 5, 7-22.	1.4	5
77	â€œChemically Shieldedâ€•Poly(ethylene oxide) Single Crystal Growth and Construction of Channel-Wire Arrays with Chemical and Geometric Recognitions on a Submicrometer Scale. Macromolecules, 2004, 37, 5292-5299.	2.2	122
78	Confinement Size Effect on Crystal Orientation Changes of Poly(ethylene oxide) Blocks in Poly(ethylene oxide)-b-polystyrene Diblock Copolymers. Macromolecules, 2004, 37, 3689-3698.	2.2	130
79	Molecular and Microdomain Orientation in Semicrystalline Block Copolymer Thin Films by Directional Crystallization of the Solvent and Epitaxy. Macromolecular Chemistry and Physics, 2003, 204, 1514-1523.	1.1	43
80	Molecular alignments in sexiphenyl thin films epitaxially grown on muscovite. Thin Solid Films, 2003, 443, 108-114.	0.8	56
81	Crystallization-Induced Orientation for Microstructures of Poly(l-lactide)-b-poly(Îµ-caprolactone) Diblock Copolymers. Macromolecules, 2003, 36, 9085-9092.	2.2	76
82	Spherulite Morphology of Form III Isotactic Poly(1-butene). Macromolecules, 2003, 36, 286-290.	2.2	67
83	Morphology and Melting of Truncated Single Crystals of Linear Polyethylene. Macromolecules, 2003, 36, 8376-8384.	2.2	46
84	Chain Orientation and Defects in Lamellar Single Crystals of Syndiotactic Polypropylene Fractions. Macromolecules, 2003, 36, 9485-9491.	2.2	15
85	â€œPlastic Deformationâ€•Mechanism and Phase Transformation in a Shear-Induced Metastable Hexagonally Perforated Layer Phase of a Polystyrene-b-poly(ethylene oxide) Diblock Copolymer. Macromolecules, 2003, 36, 3180-3188.	2.2	58
86	Crystal structure of polycrystalline films of quaterthiophene grown by organic molecular beam deposition. Synthetic Metals, 2003, 138, 125-130.	2.1	29
87	Epitaxial Nucleation of Poly(ethylene terephthalate) by Talc:Â Structure at the Lattice and Lamellar Scales. Macromolecules, 2003, 36, 4452-4456.	2.2	90
88	MOLECULAR ASPECTS OF STRUCTURE AND MORPHOLOGY OF ISOTACTIC POLYPROPYLENE. Journal of Macromolecular Science - Physics, 2002, 41, 685-709.	0.4	40
89	Nanotailored Crystalline Morphology in Hexagonally Perforated Layers of a Self-Assembled PS-b-PEO Diblock Copolymer. Macromolecules, 2002, 35, 3553-3562.	2.2	90
90	Liquid Crystalline Phases, Microtwinning in Crystals and Helical Chirality Transformations in a Main-Chain Chiral Liquid Crystalline Polyester. Macromolecules, 2002, 35, 5475-5482.	2.2	28

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91	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. Macromolecules, 2002, 35, 9678-9686.	2.2	32
92	Supramolecular Structure of Liquid-Crystalline Polyesters in Triclinic Cell. Macromolecules, 2002, 35, 2288-2295.	2.2	5
93	Nanoconfined Polymer Crystallization in the Hexagonally Perforated Layers of a Self-Assembled PS-b-PEO Diblock Copolymer. Advanced Materials, 2002, 14, 31-34.	11.1	53
94	Specificity and versatility of nucleating agents toward isotactic polypropylene crystal phases. Journal of Polymer Science, Part B: Polymer Physics, 2002, 40, 2504-2515.	2.4	136
95	Initial-Stage Growth Controlled Crystal Orientations in Nanoconfined Lamellae of a Self-Assembled Crystallineâ^'Amorphous Diblock Copolymer. Macromolecules, 2001, 34, 1244-1251.	2.2	152
96	Early-Stage Formation of Helical Single Crystals and Their Confined Growth in Thin Film. Macromolecules, 2001, 34, 3634-3641.	2.2	48
97	Left or Right, It Is a Matter of One Methylene Unit. Journal of the American Chemical Society, 2001, 123, 2462-2463.	6.6	83
98	Isochiral Form II of Syndiotactic Polypropylene Produced by Epitaxial Crystallization. Macromolecules, 2001, 34, 6261-6267.	2.2	47
99	Crystal Structure of the Î±-Form of Poly(l-lactide). Macromolecules, 2001, 34, 4795-4801.	2.2	191
100	Crystal Orientation Changes in Two-Dimensionally Confined Nanocylinders in a Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382	2.2	160
101	Impact of nucleating agents of PVDF on the crystallization of PVDF/PMMA blends. Polymer, 2001, 42, 8799-8806.	1.8	52
102	Self-nucleation and enhanced nucleation of polyvinylidene fluoride (Î±-phase). Polymer, 2001, 42, 8787-8798.	1.8	56
103	Hard and soft confinement effects on polymer crystallization in microphase separated cylinder-forming PEO-b-PS/PS blends. Polymer, 2001, 42, 9121-9131.	1.8	179
104	Alteration of Classical Microdomain Patterns of Block Copolymers by Degenerate Epitaxy. Advanced Materials, 2001, 13, 724-728.	11.1	42
105	Phase structures and morphologies determined by self-organization, vitrification, and crystallization: confined crystallization in an ordered lamellar phase of PEO-b-PS diblock copolymer. Polymer, 2001, 42, 5829-5839.	1.8	268
106	Epitaxy of isotactic poly(1-butene): new substrates, impact and attempt at recognition of helix orientation in form Iâ€² by AFM. Polymer, 2001, 42, 7033-7047.	1.8	44
107	Dislocation-Controlled Perforated Layer Phase in a PEO- b-PS Diblock Copolymer. Physical Review Letters, 2001, 86, 6030-6033.	2.9	63
108	Polymer and organic molecules ordered via epitaxy: geometrical and molecular interactions. Macromolecular Symposia, 2001, 166, 43-58.	0.4	13

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109	Epitaxial crystallization of isotactic poly(4-methyl-pentene-1). Journal of Polymer Science, Part B: Polymer Physics, 2000, 38, 3088-3097.	2.4	7
110	â€œMultipleâ€•nucleation of the (010) contact face of isotactic polypropylene, Î± phase. Polymer, 2000, 41, 7241-7253.	1.8	73
111	Epitaxial crystallization and crystalline polymorphism of polylactides. Polymer, 2000, 41, 8909-8919.	1.8	488
112	The frustrated structure of poly(l -lactide). Polymer, 2000, 41, 8921-8930.	1.8	287
113	A novel epitaxy of isotactic polypropylene (Î± phase) on PTFE and organic substrates. Polymer, 2000, 41, 2613-2625.	1.8	68
114	Structural and morphological aspects of some polymorphs of syndiotactic poly(p-methylstyrene). Polymer, 2000, 41, 3745-3749.	1.8	14
115	Microdomain patterns from directional eutectic solidification and epitaxy. Nature, 2000, 405, 433-437.	13.7	363
116	Phase transformations in a chiral main-chain liquid crystalline polyester involving double-twist helical crystals. Polymer, 2000, 41, 8953-8960.	1.8	21
117	Crystallization, Melting and Morphology of Syndiotactic Polypropylene Fractions. 4. In Situ Lamellar Single Crystal Growth and Melting in Different Sectors. Macromolecules, 2000, 33, 6861-6868.	2.2	69
118	Molecular Orientations in Flat-Elongated and Helical Lamellar Crystals of a Main-Chain Nonracemic Chiral Polyester. Journal of the American Chemical Society, 2000, 122, 72-79.	6.6	91
119	Control of Molecular and Microdomain Orientation in a Semicrystalline Block Copolymer Thin Film by Epitaxy. Macromolecules, 2000, 33, 4871-4876.	2.2	88
120	Crystallization Temperature-Dependent Crystal Orientations within Nanoscale Confined Lamellae of a Self-Assembled Crystallineâ^'Amorphous Diblock Copolymer. Journal of the American Chemical Society, 2000, 122, 5957-5967.	6.6	387
121	Double Twist in Helical Polymer â€œSoftâ€•Crystals. Physical Review Letters, 1999, 83, 4558-4561.	2.9	95
122	The Ï„ -effective paradox revisited: an extended analysis of Kovacsâ€™ volume recovery data on poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock	1.8	39
123	Structure organization of sexithiophene vapour deposited onto HOPG and SiH/Si(111). Synthetic Metals, 1999, 101, 526-527.	2.1	7
124	Structural data on the packing of poly(ester amide)s derived from glycine, hexanediol, and odd-numbered dicarboxylic acids. Journal of Polymer Science, Part B: Polymer Physics, 1999, 37, 2521-2533.	2.4	30
125	Epitaxial growth of para-hexaphenyl on GaAs(001)-2Ã—4. Surface Science, 1999, 437, 191-197.	0.8	21
126	Crystallization of Syndiotactic Polystyrene in Î²-Form. 4. Crystal Structure of Melt-Grown Modification. Macromolecules, 1999, 32, 4905-4911.	2.2	35

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127	Helical single-lamellar crystals thermotropically formed in a synthetic nonracemic chiral main-chain polyester. Physical Review B, 1999, 60, 12675-12680.	1.1	25
128	Double-Twisted Helical Lamellar Crystals in a Synthetic Main-Chain Chiral Polyester Similar to Biological Polymers. Macromolecules, 1999, 32, 524-527.	2.2	56
129	Î± and Î² phases of isotactic polypropylene: a case of growth kinetics `phase reentrency' in polymer crystallization. Polymer, 1998, 39, 4561-4567.	1.8	200
130	Isotactic polypropylene, Î²-phase: a study in frustration. Polymer, 1998, 39, 6331-6337.	1.8	124
131	High-resolution TEM of the melt-crystallized modification of syndiotactic polystyrene. Polymer, 1998, 39, 5273-5275.	1.8	18
132	The Î±â€˜â€˜ â€œSuperstructureâ€•of Syndiotactic Polystyrene:â€‰ A Frustrated Structure. Macromolecules, 1998, 31, 3303-3310.	2.2	120
133	Chirality Constraints in Crystalâ^'Crystal Transformations:Â Isotactic Poly(1-butene) versus Syndiotactic Polypropylene. Macromolecules, 1998, 31, 9253-9257.	2.2	89
134	Frustrated Crystal Structure of Poly(l-hydroxyproline). Macromolecules, 1998, 31, 3049-3054.	2.2	25
135	Crystal Structure of Poly(tert-Butylethylene sulfide):Â A Reappraisal in the Light of Frustration. Macromolecules, 1998, 31, 3040-3048.	2.2	20
136	Epitaxial Crystallization and AFM Investigation of a Frustrated Polymer Structure:Â Isotactic Poly(propylene), Î² Phase. Macromolecules, 1998, 31, 807-814.	2.2	246
137	Orientation and structure of thin films of Î±, Ï‰- dihexyl sexithiophene deposited onto PTFE oriented by friction. Journal De Chimie Physique Et De Physico-Chimie Biologique, 1998, 95, 1286-1290.	0.2	1
138	UniaÃ—ial deformation of nylon-6 and nylon-11: changes in orientation and crystal phase. Canadian Journal of Chemistry, 1998, 76, 1491-1500.	0.6	11
139	Spectroscopic Evidence for a Substrate Dependent Orientation of Sexithiophene Thin Films Deposited onto Oriented PTFE. Journal of Physical Chemistry B, 1997, 101, 8204-8211.	1.2	32
140	Substrate Dependent Orientation and Structure of Sexithiophene Thin Films. Synthetic Metals, 1997, 84, 605-606.	2.1	25
141	Triangular Polymer Single Crystals:â€‰ Stereocomplexes, Twins, and Frustrated Structures. Macromolecules, 1997, 30, 6313-6322.	2.2	242
142	Structural analysis of minimized models for syndiotactic polypropylene. Journal of Polymer Science, Part B: Polymer Physics, 1997, 35, 2523-2533.	2.4	13
143	Synthesis and Characterization of Polyamidesn,3. Macromolecules, 1996, 29, 1886-1893.	2.2	8
144	Interfacial interactions and structure of polyolefins. Macromolecular Symposia, 1996, 101, 91-94.	0.4	1

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145	Structure and morphology of poly(propylenes): a molecular analysis. Polymer, 1996, 37, 4979-4992.	1.8	564
146	Structural polymorphism of crystalline polymers: Electron and atomic force microscopy contributions. Macromolecular Symposia, 1995, 94, 97-104.	0.4	5
147	Epitaxy of helical polyolefins. Macromolecular Symposia, 1995, 98, 917-923.	0.4	6
148	Polymer decoration study in chain folding behavior of solution-grown poly(ethylene oxide) crystals. Journal of Polymer Science, Part B: Polymer Physics, 1995, 33, 1851-1855.	2.4	40
149	Perfectly alternating ethyleneâ€"carbon monoxide copolymers: structure and morphology of epitaxially grown crystals. Polymer, 1995, 36, 1915-1918.	1.8	15
150	Structure and Chiroptical Properties of Bis[(S)-methylbutyl]silylene-Dipentylsilylene Copolymers. Macromolecules, 1995, 28, 5498-5506.	2.2	31
151	Orientation et structure de films de sexithiophÃ¨ne (6T) dÃ©posÃ©s sur couches de PTFE orientÃ©es par friction. Journal De Chimie Physique Et De Physico-Chimie Biologique, 1995, 92, 963-966.	0.2	8
152	Epitaxial crystallization and crystalline polymorphism of poly(1-butene): forms III and II. Polymer, 1994, 35, 908-915.	1.8	92
153	Epitaxial crystallization and crystalline polymorphism of poly(1-butene): form I. Polymer, 1994, 35, 916-924.	1.8	110
154	Efficiency scale for polymer nucleating agents. Journal of Thermal Analysis, 1994, 42, 721-731.	0.7	123
155	Anisotropic spin transport in oriented lithium phthalocyanine thin films. Thin Solid Films, 1994, 250, 219-231.	0.8	29
156	Direct determination of polymer crystal structures by electron crystallography â€" isotactic poly(1-butene), form (III). Acta Crystallographica Section B: Structural Science, 1994, 50, 201-208.	1.8	48
157	Corrections: Contact Faces of Epitaxially Crystallized a- and y-Phase Isotactic Polypropylene Observed by Atomic Force Microscopy. Macromolecules, 1994, 27, 6690-6694.	2.2	8
158	Heteroepitaxy of Syndiotactic Polypropylene with Polyethylene and Homoepitaxy. Macromolecules, 1994, 27, 6956-6962.	2.2	40
159	Contact Surfaces of Epitaxially Crystallized .alpha.-Phase Isotactic Polypropylene: AFM Imaging with a "Liquid Cell". Macromolecules, 1994, 27, 6677-6678.	2.2	16
160	Direct Observation of Right and Left Helical Hands of Syndiotactic Polypropylene by Atomic Force Microscopy. Macromolecules, 1994, 27, 6948-6955.	2.2	68
161	Morphology and Thermal Properties of Fully Syndiotactic Polypropylene. Macromolecules, 1994, 27, 6603-6611.	2.2	84
162	Self-nucleation and recrystallization of isotactic polypropylene (Î± phase) investigated by differential scanning calorimetry. Journal of Polymer Science, Part B: Polymer Physics, 1993, 31, 1383-1393.	2.4	547

#	Article	IF	Citations
163	Self-nucleation and enhanced nucleation of polymers. Definition of a convenient calorimetric â€œefficiency scaleâ€•and evaluation of nucleating additives in isotactic polypropylene (Î± phase). Journal of Polymer Science, Part B: Polymer Physics, 1993, 31, 1395-1405.	2.4	327
164	Self-nucleation and recrystallization of polymers. Isotactic polypropylene, Î² phase: Î²-Î± conversion and Î²-Î± growth transitions. Journal of Polymer Science, Part B: Polymer Physics, 1993, 31, 1407-1424.	2.4	159
165	Contact faces of epitaxially crystallized .alpha.- and .gamma.-phase isotactic polypropylene observed by atomic force microscopy. Macromolecules, 1993, 26, 5915-5923.	2.2	101
166	Polymorphism of lithium phthalocyanine thin films. Synthetic Metals, 1993, 61, 139-142.	2.1	6
167	Structure and defects in fully syndiotactic polypropylene. Macromolecules, 1993, 26, 3494-3503.	2.2	210
168	Orientation of crystalline polymers by nonâ€classical means. Makromolekulare Chemie Macromolecular Symposia, 1993, 69, 165-175.	0.6	3
169	Temperature dependence of structure and morphology of syndiotactic polypropylene and epitaxial relationships with isotactic polypropylene. Macromolecules, 1991, 24, 552-560.	2.2	161
170	Single crystals of Î³ phase isotactic polypropylene: combined diffraction and morphological support for a structure with non-parallel chains. Polymer, 1991, 32, 2902-2910.	1.8	158
171	Atomic force microscopy on epitaxially crystallized isotactic polypropylene. Polymer Bulletin, 1991, 26, 209-214.	1.7	54
172	Why do polyethylene crystals have sectors?. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 1696-1700.	3.3	17
173	Epitaxial crystallization of polymers on organic and polymeric substrates. Progress in Polymer Science, 1990, 15, 909-948.	11.8	441
174	Interchain packing and unit cell of syndiotactic polypropylene. Polymer, 1990, 31, 2253-2259.	1.8	147
175	Polymer decoration of ferroelectric domains in TGS. Ferroelectrics, 1990, 106, 51-56.	0.3	2
176	Epitaxial crystallization of monoclinic and orthorhombic polyethylene phases. Polymer, 1989, 30, 27-34.	1.8	68
177	The morphology of the spherulitic surface in polyethylene. Journal of Polymer Science, Part B: Polymer Physics, 1989, 27, 561-579.	2.4	70
178	Asymmetries of habit in polyethylene crystals grown from the melt. Macromolecules, 1989, 22, 2230-2238.	2.2	133
179	Plastic deformation of polytetramethylene oxide. I. Influence of molecular weight distribution, crystallinity, and structure. Journal of Polymer Science, Part B: Polymer Physics, 1988, 26, 663-675.	2.4	11
180	Recent developments in synthetic polymer crystal growth. Journal of Crystal Growth, 1988, 90, 145-152.	0.7	4

#	Article	IF	Citations
181	Crystal structure and morphology of syndiotactic polypropylene single crystals. Macromolecules, 1988, 21, 2375-2382.	2.2	259
182	Polyethyleneâ€“isotactic polypropylene epitaxy: Analysis of the diffraction patterns of oriented biphasic blends. Journal of Polymer Science, Part B: Polymer Physics, 1987, 25, 1079-1087.	2.4	42
183	Liquid-liquid phase separation and crystallization in binary polymer systems. Polymer, 1987, 28, 193-200.	1.8	108
184	Extended-chain and three-fold helical forms of poly(glycyl-Î²-alanine). Macromolecules, 1986, 19, 1119-1124.	2.2	35
185	The molecular origin of lamellar branching in the Î± (monoclinic) form of isotactic polypropylene. Journal of Polymer Science, Part B: Polymer Physics, 1986, 24, 1541-1558.	2.4	295
186	Structural relationships in blends of isotactic polypropylene and polymers with aliphatic sequences. Journal of Polymer Science, Part B: Polymer Physics, 1986, 24, 1559-1575.	2.4	106
187	Crystal morphology of the Î³ (triclinic) phase of isotactic polypropylene and its relation to the Î± phase. Journal of Polymer Science, Part B: Polymer Physics, 1986, 24, 2017-2032.	2.4	163
188	Polymer decoration: The orientation of polymer folds as revealed by the crystallization of polymer vapors. Journal of Polymer Science, Polymer Physics Edition, 1985, 23, 205-226.	1.0	264
189	Thermodynamic aspects and morphology of physical gels from isotactic polystyrene. Macromolecules, 1985, 18, 420-427.	2.2	63
190	Electron crystallography of epitaxially grown paraffin. Journal of Polymer Science, Polymer Physics Edition, 1984, 22, 1919-1929.	1.0	28
191	The pre-melt phase of n-alkanes: Crystallographic evidence for a kinked chain structure. Proceedings of the National Academy of Sciences of the United States of America, 1984, 81, 1913-1917.	3.3	49
192	Epitaxial crystallization of polymers onto benzoic acid: Polyethylene and paraffins, aliphatic polyesters, and polyamides. Journal of Polymer Science, Polymer Physics Edition, 1983, 21, 2495-2509.	1.0	165
193	Twisted single crystals of Bombyx mori silk fibroin and related model polypeptides with Î² structure. Journal of Molecular Biology, 1982, 156, 345-357.	2.0	87
194	Title is missing!. Die Makromolekulare Chemie Rapid Communications, 1982, 3, 733-738.	1.1	50
195	Eutectic solidification and oriented growth in mixtures of polyethylene and 1,3,5-tribromobenzene. Polymer, 1982, 23, 985-990.	1.8	23
196	Liquid-crystalline textures in binary and ternary block copolymerâ€“solvent systems. Journal of Polymer Science, Polymer Physics Edition, 1982, 20, 1341-1353.	1.0	26
197	Epitaxial crystallization of polyethylene on organic substrates: A reappraisal of the mode of action of selected nucleating agents. Journal of Polymer Science, Polymer Physics Edition, 1981, 19, 1837-1851.	1.0	195
198	Epitaxial crystallization of aliphatic polyesters on trioxane and various aromatic hydrocarbons. Journal of Polymer Science, Polymer Physics Edition, 1981, 19, 1853-1864.	1.0	73

#	Article	IF	Citations
199	The chemical structure and the crystalline structures of Bombyx mori silk fibroin. Biochimie, 1979, 61, 205-214.	1.3	223
200	Correction-Helical Structures of Poly(D-L-peptides). A Conformational Energy Analysis. Macromolecules, 1978, 11, 438-438.	2.2	0
201	Helical Structures of Poly(D-L-peptides). A Conformational Energy Analysis. Macromolecules, 1977, 10, 1284-1288.	2.2	51
202	A family of double helices of alternating poly(Î³-benzyl-d-l-glutamate), a stereochemical model for gramicidin A. Journal of Molecular Biology, 1976, 106, 915-942.	2.0	104
203	Basic modes of three-dimensional polymer crystal associations: Interlocked single crystals and crystal halves. Journal of Polymer Science, Polymer Physics Edition, 1975, 13, 909-927.	1.0	22
204	Î±DL and Ï€DL Helices of alternating poly-Î³-benzyl-d-l-glutamate. Journal of Molecular Biology, 1975, 92, 1-13.	2.0	45
205	Conformational analysis of the Î² sheet structure of poly-l-alanine and poly(l-alanine-glycine). Journal of Molecular Biology, 1975, 95, 71-82.	2.0	22
206	Crystal structure of polyglycine I. Journal of Molecular Biology, 1974, 87, 169-180.	2.0	84
207	Structure of polyglycine I: A comparison of the antiparallel pleated and antiparallel rippled sheets. Journal of Molecular Biology, 1974, 87, 181-191.	2.0	34
208	Î² Structure of periodic copolypeptides of l-alanine and glycine. Journal of Molecular Biology, 1974, 87, 193-203.	2.0	40
209	The crystal structures of poly(lAla-Gly-Gly-Gly)II and poly(lAla-Gly-Gly)II. Journal of Molecular Biology, 1971, 61, 195-200.	2.0	40
210	Crystal structure of poly(l-Ala-Gly)II. Journal of Molecular Biology, 1971, 61, 201-215.	2.0	143
211	Multiple twinning in polyethylene oxide single crystals-a scheme for the formation of growth twins from self-seeding nuclei. Journal of Macromolecular Science - Physics, 1969, 3, 385-425.	0.4	61
212	Properties of copolymers composed of one poly-ethylene-oxide and one polystyrene block. Kolloid-Zeit & Zeit Fuer Polymers, 1966, 209, 115-128.	0.7	206