

Bernard Lotz

List of Publications by Year in descending order

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212
papers

16,336
citations

11651

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121
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215
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215
docs citations

215
times ranked

6942
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure and morphology of poly(propylenes): a molecular analysis. <i>Polymer</i> , 1996, 37, 4979-4992.	3.8	564
2	Self-nucleation and recrystallization of isotactic polypropylene (β phase) investigated by differential scanning calorimetry. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1993, 31, 1383-1393.	2.1	547
3	Epitaxial crystallization and crystalline polymorphism of polylactides. <i>Polymer</i> , 2000, 41, 8909-8919.	3.8	488
4	Epitaxial crystallization of polymers on organic and polymeric substrates. <i>Progress in Polymer Science</i> , 1990, 15, 909-948.	24.7	441
5	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.	13.7	387
6	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.	3.8	373
7	Microdomain patterns from directional eutectic solidification and epitaxy. <i>Nature</i> , 2000, 405, 433-437.	27.8	363
8	Self-nucleation and enhanced nucleation of polymers. Definition of a convenient calorimetric efficiency scale and evaluation of nucleating additives in isotactic polypropylene (β phase). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1993, 31, 1395-1405.	2.1	327
9	The molecular origin of lamellar branching in the β (monoclinic) form of isotactic polypropylene. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1986, 24, 1541-1558.	2.1	295
10	The frustrated structure of poly(L-lactide). <i>Polymer</i> , 2000, 41, 8921-8930.	3.8	287
11	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.	3.8	268
12	Polymer decoration: The orientation of polymer folds as revealed by the crystallization of polymer vapors. <i>Journal of Polymer Science, Polymer Physics Edition</i> , 1985, 23, 205-226.	1.0	264
13	Crystal structure and morphology of syndiotactic polypropylene single crystals. <i>Macromolecules</i> , 1988, 21, 2375-2382.	4.8	259
14	Epitaxial Crystallization and AFM Investigation of a Frustrated Polymer Structure: β Isotactic Poly(propylene), β Phase. <i>Macromolecules</i> , 1998, 31, 807-814.	4.8	246
15	Triangular Polymer Single Crystals: Stereo-complexes, Twins, and Frustrated Structures. <i>Macromolecules</i> , 1997, 30, 6313-6322.	4.8	242
16	The chemical structure and the crystalline structures of Bombyx mori silk fibroin. <i>Biochimie</i> , 1979, 61, 205-214.	2.6	223
17	Structure and defects in fully syndiotactic polypropylene. <i>Macromolecules</i> , 1993, 26, 3494-3503.	4.8	210
18	Properties of copolymers composed of one poly-ethylene-oxide and one polystyrene block. <i>Kolloid-Zeit & Zeit Fuer Polymers</i> , 1966, 209, 115-128.	0.7	206

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19	$\hat{1}\pm$ and $\hat{1}^2$ phases of isotactic polypropylene: a case of growth kinetics 'phase reentrancy' in polymer crystallization. <i>Polymer</i> , 1998, 39, 4561-4567.	3.8	200
20	Epitaxial crystallization of polyethylene on organic substrates: A reappraisal of the mode of action of selected nucleating agents. <i>Journal of Polymer Science, Polymer Physics Edition</i> , 1981, 19, 1837-1851.	1.0	195
21	Crystal Structure of the $\hat{1}\pm$ -Form of Poly(l-lactide). <i>Macromolecules</i> , 2001, 34, 4795-4801.	4.8	191
22	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.	3.8	179
23	Epitaxial crystallization of polymers onto benzoic acid: Polyethylene and paraffins, aliphatic polyesters, and polyamides. <i>Journal of Polymer Science, Polymer Physics Edition</i> , 1983, 21, 2495-2509.	1.0	165
24	Crystal morphology of the $\hat{1}^3$ (triclinic) phase of isotactic polypropylene and its relation to the $\hat{1}\pm$ phase. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1986, 24, 2017-2032.	2.1	163
25	Temperature dependence of structure and morphology of syndiotactic polypropylene and epitaxial relationships with isotactic polypropylene. <i>Macromolecules</i> , 1991, 24, 552-560.	4.8	161
26	Crystal Orientation Changes in Two-Dimensionally Confined Nanocylinders in a Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	4.8	160
27	Self-nucleation and recrystallization of polymers. Isotactic polypropylene, $\hat{1}^2$ phase: $\hat{1}^2$ - $\hat{1}\pm$ conversion and $\hat{1}^2$ - $\hat{1}\pm$ growth transitions. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1993, 31, 1407-1424.	2.1	159
28	Onsets of Tethered Chain Overcrowding and Highly Stretched Brush Regime via Crystalline $\hat{1}$ ~Amorphous Diblock Copolymers. <i>Macromolecules</i> , 2006, 39, 641-650.	4.8	159
29	Single crystals of $\hat{1}^3$ phase isotactic polypropylene: combined diffraction and morphological support for a structure with non-parallel chains. <i>Polymer</i> , 1991, 32, 2902-2910.	3.8	158
30	<i>50th Anniversary Perspective</i>: Polymer Crystals and Crystallization: Personal Journeys in a Challenging Research Field. <i>Macromolecules</i> , 2017, 50, 5995-6025.	4.8	155
31	Initial-Stage Growth Controlled Crystal Orientations in Nanoconfined Lamellae of a Self-Assembled Crystalline $\hat{1}$ ~Amorphous Diblock Copolymer. <i>Macromolecules</i> , 2001, 34, 1244-1251.	4.8	152
32	Breaking Symmetry toward Nonspherical Janus Particles Based on Polyhedral Oligomeric Silsesquioxanes: Molecular Design, $\hat{1}$ ~Synthesis, and Hierarchical Structure. <i>Journal of the American Chemical Society</i> , 2011, 133, 10712-10715.	13.7	148
33	Interchain packing and unit cell of syndiotactic polypropylene. <i>Polymer</i> , 1990, 31, 2253-2259.	3.8	147
34	Crystal structure of poly(l-Ala-Gly)II. <i>Journal of Molecular Biology</i> , 1971, 61, 201-215.	4.2	143
35	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.	2.1	136
36	Asymmetries of habit in polyethylene crystals grown from the melt. <i>Macromolecules</i> , 1989, 22, 2230-2238.	4.8	133

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37	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.	4.8	130
38	Enthalpic and entropic origins of nucleation barriers during polymer crystallization: the Hoffman-Lauritzen theory and beyond. <i>Polymer</i> , 2005, 46, 8662-8681.	3.8	126
39	Isotactic polypropylene, β -phase: a study in frustration. <i>Polymer</i> , 1998, 39, 6331-6337.	3.8	124
40	Efficiency scale for polymer nucleating agents. <i>Journal of Thermal Analysis</i> , 1994, 42, 721-731.	0.6	123
41	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.	4.8	122
42	The β -Phase Superstructure of Syndiotactic Polystyrene: A Frustrated Structure. <i>Macromolecules</i> , 1998, 31, 3303-3310.	4.8	120
43	Two-Dimensional Nanocrystals of Molecular Janus Particles. <i>Journal of the American Chemical Society</i> , 2014, 136, 10691-10699.	13.7	117
44	Epitaxial crystallization and crystalline polymorphism of poly(1-butene): form I. <i>Polymer</i> , 1994, 35, 916-924.	3.8	110
45	Liquid-liquid phase separation and crystallization in binary polymer systems. <i>Polymer</i> , 1987, 28, 193-200.	3.8	108
46	Crystalline Polymers in Nanoscale 1D Spatial Confinement. <i>Macromolecules</i> , 2006, 39, 5782-5788.	4.8	107
47	Structural relationships in blends of isotactic polypropylene and polymers with aliphatic sequences. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1986, 24, 1559-1575.	2.1	106
48	Ordered Ferroelectric PVDF-TrFE Thin Films by High Throughput Epitaxy for Nonvolatile Polymer Memory. <i>Macromolecules</i> , 2008, 41, 8648-8654.	4.8	105
49	A family of double helices of alternating poly(β -benzyl-D-glutamate), a stereochemical model for gramicidin A. <i>Journal of Molecular Biology</i> , 1976, 106, 915-942.	4.2	104
50	Contact faces of epitaxially crystallized α - and γ -phase isotactic polypropylene observed by atomic force microscopy. <i>Macromolecules</i> , 1993, 26, 5915-5923.	4.8	101
51	Double Twist in Helical Polymer Soft Crystals. <i>Physical Review Letters</i> , 1999, 83, 4558-4561.	7.8	95
52	A New μ Crystal Modification Found in Stereodeficient Isotactic Polypropylene Samples. <i>Macromolecules</i> , 2014, 47, 7612-7624.	4.8	93
53	Epitaxial crystallization and crystalline polymorphism of poly(1-butene): forms III and II. <i>Polymer</i> , 1994, 35, 908-915.	3.8	92
54	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.	13.7	91

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55	Nanotailored Crystalline Morphology in Hexagonally Perforated Layers of a Self-Assembled PS-b-PEO Diblock Copolymer. <i>Macromolecules</i> , 2002, 35, 3553-3562.	4.8	90
56	Epitaxial Nucleation of Poly(ethylene terephthalate) by Talc:Å Structure at the Lattice and Lamellar Scales. <i>Macromolecules</i> , 2003, 36, 4452-4456.	4.8	90
57	Chirality Constraints in Crystal→Crystal Transformations:Å Isotactic Poly(1-butene) versus Syndiotactic Polypropylene. <i>Macromolecules</i> , 1998, 31, 9253-9257.	4.8	89
58	Control of Molecular and Microdomain Orientation in a Semicrystalline Block Copolymer Thin Film by Epitaxy. <i>Macromolecules</i> , 2000, 33, 4871-4876.	4.8	88
59	Twisted single crystals of Bombyx mori silk fibroin and related model polypeptides with \hat{I}^2 structure. <i>Journal of Molecular Biology</i> , 1982, 156, 345-357.	4.2	87
60	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.	3.8	87
61	Crystal structure of polyglycine I. <i>Journal of Molecular Biology</i> , 1974, 87, 169-180.	4.2	84
62	Morphology and Thermal Properties of Fully Syndiotactic Polypropylene. <i>Macromolecules</i> , 1994, 27, 6603-6611.	4.8	84
63	Left or Right, It Is a Matter of One Methylene Unit. <i>Journal of the American Chemical Society</i> , 2001, 123, 2462-2463.	13.7	83
64	Solution Crystallization Behavior of Crystalline→Crystalline Diblock Copolymers of Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	4.8	83
65	Manipulation of Self-Assembled Nanostructure Dimensions in Molecular Janus Particles. <i>ACS Nano</i> , 2016, 10, 6585-6596.	14.6	79
66	Crystallization-Induced Orientation for Microstructures of Poly(l-lactide)-b-poly(\hat{I} -caprolactone) Diblock Copolymers. <i>Macromolecules</i> , 2003, 36, 9085-9092.	4.8	76
67	Toward Controlled Hierarchical Heterogeneities in Giant Molecules with Precisely Arranged Nano Building Blocks. <i>ACS Central Science</i> , 2016, 2, 48-54.	11.3	76
68	Epitaxial crystallization of aliphatic polyesters on trioxane and various aromatic hydrocarbons. <i>Journal of Polymer Science, Polymer Physics Edition</i> , 1981, 19, 1853-1864.	1.0	73
69	Multiple nucleation of the (010) contact face of isotactic polypropylene, \hat{I}^{\pm} phase. <i>Polymer</i> , 2000, 41, 7241-7253.	3.8	73
70	A Structure of Copolymers of Propene and Hexene Isomorphous to Isotactic Poly(1-butene) Form I. <i>Macromolecules</i> , 2006, 39, 5777-5781.	4.8	72
71	The morphology of the spherulitic surface in polyethylene. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1989, 27, 561-579.	2.1	70
72	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.	4.8	69

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73	Epitaxial crystallization of monoclinic and orthorhombic polyethylene phases. <i>Polymer</i> , 1989, 30, 27-34.	3.8	68
74	Direct Observation of Right and Left Helical Hands of Syndiotactic Polypropylene by Atomic Force Microscopy. <i>Macromolecules</i> , 1994, 27, 6948-6955.	4.8	68
75	A novel epitaxy of isotactic polypropylene ($\hat{1}\pm$ phase) on PTFE and organic substrates. <i>Polymer</i> , 2000, 41, 2613-2625.	3.8	68
76	Spherulite Morphology of Form III Isotactic Poly(1-butene). <i>Macromolecules</i> , 2003, 36, 286-290.	4.8	67
77	Hierarchical structure and polymorphism of a sphere-cubic shape amphiphile based on a polyhedral oligomeric silsesquioxane@[60]fullerene conjugate. <i>Journal of Materials Chemistry</i> , 2011, 21, 14240.	6.7	67
78	Crystal Orientation Change and Its Origin in One-Dimensional Nanoconfinement Constructed by Polystyrene- <i>block</i> -poly(ethylene oxide) Single Crystal Mats. <i>Macromolecules</i> , 2008, 41, 8114-8123.	4.8	65
79	Thermodynamic aspects and morphology of physical gels from isotactic polystyrene. <i>Macromolecules</i> , 1985, 18, 420-427.	4.8	63
80	Dislocation-Controlled Perforated Layer Phase in a PEO- <i>b</i> -PS Diblock Copolymer. <i>Physical Review Letters</i> , 2001, 86, 6030-6033.	7.8	63
81	Multiple twinning in polyethylene oxide single crystals-a scheme for the formation of growth twins from self-seeding nuclei. <i>Journal of Macromolecular Science - Physics</i> , 1969, 3, 385-425.	1.0	61
82	Poly(ethylene oxide) Crystallization within a One-Dimensional Defect-Free Confinement on the Nanoscale. <i>Macromolecules</i> , 2008, 41, 4794-4801.	4.8	59
83	Plastic Deformation Mechanism and Phase Transformation in a Shear-Induced Metastable Hexagonally Perforated Layer Phase of a Polystyrene- <i>b</i> -poly(ethylene oxide) Diblock Copolymer. <i>Macromolecules</i> , 2003, 36, 3180-3188.	4.8	58
84	Submicrometer Scroll/Tubular Lamellar Crystals of Nylon 6,6. <i>Advanced Materials</i> , 2004, 16, 600-605.	21.0	58
85	Temperature Dependence of Crystal Growth Rate for $\hat{1}\pm$ and $\hat{1}^2$ Forms of Isotactic Polypropylene. <i>Polymer Journal</i> , 2008, 40, 915-922.	2.7	58
86	Poly(ethylene oxide) Crystal Orientation Change under 1D Nanoscale Confinement using Polystyrene- <i>block</i> -poly(ethylene oxide) Copolymers: Confined Dimension and Reduced Tethering Density Effects. <i>Macromolecules</i> , 2009, 42, 8343-8352.	4.8	57
87	Double-Twisted Helical Lamellar Crystals in a Synthetic Main-Chain Chiral Polyester Similar to Biological Polymers. <i>Macromolecules</i> , 1999, 32, 524-527.	4.8	56
88	Self-nucleation and enhanced nucleation of polyvinylidene fluoride ($\hat{1}\pm$ -phase). <i>Polymer</i> , 2001, 42, 8787-8798.	3.8	56
89	Molecular alignments in sexiphenyl thin films epitaxially grown on muscovite. <i>Thin Solid Films</i> , 2003, 443, 108-114.	1.8	56
90	Structural Matching between the Polymeric Nucleating Agent Isotactic Poly(vinylcyclohexane) and Isotactic Polypropylene. <i>Macromolecules</i> , 2006, 39, 2832-2840.	4.8	56

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91	Atomic force microscopy on epitaxially crystallized isotactic polypropylene. <i>Polymer Bulletin</i> , 1991, 26, 209-214.	3.3	54
92	Nanoconfined Polymer Crystallization in the Hexagonally Perforated Layers of a Self-Assembled PS- <i>b</i> -PEO Diblock Copolymer. <i>Advanced Materials</i> , 2002, 14, 31-34.	21.0	53
93	Impact of nucleating agents of PVDF on the crystallization of PVDF/PMMA blends. <i>Polymer</i> , 2001, 42, 8799-8806.	3.8	52
94	Helical Structures of Poly(D-L-peptides). A Conformational Energy Analysis. <i>Macromolecules</i> , 1977, 10, 1284-1288.	4.8	51
95	Title is missing!. <i>Die Makromolekulare Chemie Rapid Communications</i> , 1982, 3, 733-738.	1.1	50
96	Molecular and Crystalline Microstructure of Ferroelectric Poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td (fluoride- <i>i>co</i>/Au Substrates. <i>Macromolecules</i>, 2008, 41, 109-119.</i>	4.8	50
97	The pre-melt phase of n-alkanes: Crystallographic evidence for a kinked chain structure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1984, 81, 1913-1917.	7.1	49
98	Shear-Induced Ordering of Ferroelectric Crystals in Spin-Coated Thin Poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 Td (fluor	4.8	49
99	Direct determination of polymer crystal structures by electron crystallography â€“ isotactic poly(1-butene), form (III). <i>Acta Crystallographica Section B: Structural Science</i> , 1994, 50, 201-208.	1.8	48
100	Early-Stage Formation of Helical Single Crystals and Their Confined Growth in Thin Film. <i>Macromolecules</i> , 2001, 34, 3634-3641.	4.8	48
101	Isochiral Form II of Syndiotactic Polypropylene Produced by Epitaxial Crystallization. <i>Macromolecules</i> , 2001, 34, 6261-6267.	4.8	47
102	Organogelators and Polymer Crystallisation. <i>Macromolecular Symposia</i> , 2006, 241, 103-110.	0.7	47
103	Morphology and Melting of Truncated Single Crystals of Linear Polyethylene. <i>Macromolecules</i> , 2003, 36, 8376-8384.	4.8	46
104	$\hat{1}\pm$ DL and $\hat{1}\in$ DL Helices of alternating poly- $\hat{1}^3$ -benzyl-d-l-glutamate. <i>Journal of Molecular Biology</i> , 1975, 92, 1-13.	4.2	45
105	Epitaxy of isotactic poly(1-butene): new substrates, impact and attempt at recognition of helix orientation in form $\hat{1}\in^2$ by AFM. <i>Polymer</i> , 2001, 42, 7033-7047.	3.8	44
106	Supramolecular Structure of $\hat{1}^2$ -Cyclodextrin and Poly(ethylene oxide)- <i>i>block</i>-poly(propylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 44</i>	4.8	44
107	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.	2.2	43
108	A Supramolecular â€œDoubleâ€œ Cableâ€œ Structure with a 129^{44} Helix in a Columnar Porphyrinâ€œ ₆₀ Dyad and its Application in Polymer Solar Cells. <i>Advanced Energy Materials</i> , 2012, 2, 1375-1382.	19.5	43

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109	Polyethylene- <i>l</i> -isotactic polypropylene epitaxy: Analysis of the diffraction patterns of oriented biphasic blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1987, 25, 1079-1087.	2.1	42
110	Alteration of Classical Microdomain Patterns of Block Copolymers by Degenerate Epitaxy. <i>Advanced Materials</i> , 2001, 13, 724-728.	21.0	42
111	Synthesis and Characterization of Sequence-Controlled Semicrystalline Comb Copolymers: Influence of Primary Structure on Materials Properties. <i>Macromolecules</i> , 2014, 47, 1570-1577.	4.8	41
112	The crystal structures of poly(lAla-Gly-Gly-Gly)II and poly(lAla-Gly-Gly)II. <i>Journal of Molecular Biology</i> , 1971, 61, 195-200.	4.2	40
113	\hat{I}^2 Structure of periodic copolypeptides of l-alanine and glycine. <i>Journal of Molecular Biology</i> , 1974, 87, 193-203.	4.2	40
114	Heteroepitaxy of Syndiotactic Polypropylene with Polyethylene and Homoepitaxy. <i>Macromolecules</i> , 1994, 27, 6956-6962.	4.8	40
115	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.	2.1	40
116	MOLECULAR ASPECTS OF STRUCTURE AND MORPHOLOGY OF ISOTACTIC POLYPROPYLENE. <i>Journal of Macromolecular Science - Physics</i> , 2002, 41, 685-709.	1.0	40
117	The \hat{I}_n -effective paradox revisited: an extended analysis of Kovacs's™ volume recovery data on poly(vinyl) Tj ETQq _{3,8} 1 0.784314 39 rgBT	3.8	39
118	Frustration and Frustrated Crystal Structures of Polymers and Biopolymers. <i>Macromolecules</i> , 2012, 45, 2175-2189.	4.8	39
119	Kinetically Controlled Self-Assembled Superstructures from Semicrystalline Chiral Block Copolymers. <i>Macromolecules</i> , 2010, 43, 7752-7758.	4.8	37
120	Handedness of Twisted Lamella in Banded Spherulite of Chiral Polylactides and Their Blends. <i>Macromolecules</i> , 2017, 50, 5466-5475.	4.8	37
121	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.	4.8	36
122	Extended-chain and three-fold helical forms of poly(glycyl- \hat{I}^2 -alanine). <i>Macromolecules</i> , 1986, 19, 1119-1124.	4.8	35
123	Crystallization of Syndiotactic Polystyrene in \hat{I}^2 -Form. 4. Crystal Structure of Melt-Grown Modification. <i>Macromolecules</i> , 1999, 32, 4905-4911.	4.8	35
124	Structure of polyglycine I: A comparison of the antiparallel pleated and antiparallel rippled sheets. <i>Journal of Molecular Biology</i> , 1974, 87, 181-191.	4.2	34
125	Exactly Defined Half-Stemmed Polymer Lamellar Crystals with Precisely Controlled Defects™ Locations. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 2356-2360.	4.6	34
126	Structural characterisation of single crystals and thin films of \hat{I}^2 -dihexylquaterthiophene. <i>Journal of Materials Chemistry</i> , 2005, 15, 2444.	6.7	33

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127	Epitaxially Dominated Crystalline Morphologies of the β -Phase in Isotactic Polypropylene. <i>Macromolecules</i> , 2009, 42, 4758-4768.	4.8	33
128	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.	2.6	32
129	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.	4.8	32
130	Structure and Chiroptical Properties of Bis[(S)-methylbutyl]silylene-Dipentylsilylene Copolymers. <i>Macromolecules</i> , 1995, 28, 5498-5506.	4.8	31
131	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.	2.1	30
132	A new approach in the study of tethered diblock copolymer surface morphology and its tethering density dependence. <i>Polymer</i> , 2007, 48, 3732-3738.	3.8	30
133	Scrolled Polymer Single Crystals Driven by Unbalanced Surface Stresses: Rational Design and Experimental Evidence. <i>Macromolecules</i> , 2011, 44, 7758-7766.	4.8	30
134	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.	4.8	30
135	Anisotropic spin transport in oriented lithium phthalocyanine thin films. <i>Thin Solid Films</i> , 1994, 250, 219-231.	1.8	29
136	Crystal structure of polycrystalline films of quaterthiophene grown by organic molecular beam deposition. <i>Synthetic Metals</i> , 2003, 138, 125-130.	3.9	29
137	Electron crystallography of epitaxially grown paraffin. <i>Journal of Polymer Science, Polymer Physics Edition</i> , 1984, 22, 1919-1929.	1.0	28
138	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.	4.8	28
139	Oriented Microstructures of Crystalline-Crystalline Block Copolymers Induced by Epitaxy and Competitive and Confined Crystallization. <i>Macromolecules</i> , 2016, 49, 5576-5586.	4.8	28
140	Syndiotactic Polystyrene Nanofibers Obtained from High-Temperature Solution Electrospinning Process. <i>Macromolecules</i> , 2010, 43, 2371-2376.	4.8	27
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