

Hideto Tsuji

List of Publications by Year in descending order

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10956

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310
docs citations

310
times ranked

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#	ARTICLE	IF	CITATIONS
1	Biodegradable polyesters for medical and ecological applications. <i>Macromolecular Rapid Communications</i> , 2000, 21, 117-132.	2.0	1,353
2	Stereocomplex formation between enantiomeric poly(lactides). <i>Macromolecules</i> , 1987, 20, 904-906.	2.2	1,275
3	Poly(lactide) Stereocomplexes: Formation, Structure, Properties, Degradation, and Applications. <i>Macromolecular Bioscience</i> , 2005, 5, 569-597.	2.1	1,209
4	Crystal Modifications and Thermal Behavior of Poly(l-lactic acid) Revealed by Infrared Spectroscopy. <i>Macromolecules</i> , 2005, 38, 8012-8021.	2.2	775
5	Disorder-to-Order Phase Transition and Multiple Melting Behavior of Poly(l-lactide) Investigated by Simultaneous Measurements of WAXD and DSC. <i>Macromolecules</i> , 2008, 41, 1352-1357.	2.2	737
6	Properties and morphologies of poly(l-lactide): 1. Annealing condition effects on properties and morphologies of poly(l-lactide). <i>Polymer</i> , 1995, 36, 2709-2716.	1.8	468
7	Poly(lactic acid) stereocomplexes: A decade of progress. <i>Advanced Drug Delivery Reviews</i> , 2016, 107, 97-135.	6.6	406
8	Stereocomplex formation between enantiomeric poly(lactic acids). 9. Stereocomplexation from the melt. <i>Macromolecules</i> , 1993, 26, 6918-6926.	2.2	392
9	Crystal structure of stereocomplex of poly(L-lactide) and poly(D-lactide). <i>Journal of Macromolecular Science - Physics</i> , 1991, 30, 119-140.	0.4	344
10	Infrared Spectroscopic Study of CH ₃ -C=O Interaction during Poly(l-lactide)/Poly(d-lactide) Stereocomplex Formation. <i>Macromolecules</i> , 2005, 38, 1822-1828.	2.2	342
11	Crystallization from the melt of poly(lactide)s with different optical purities and their blends. <i>Macromolecular Chemistry and Physics</i> , 1996, 197, 3483-3499.	1.1	335
12	Isothermal and non-isothermal crystallization behavior of poly(l-lactic acid): Effects of stereocomplex as nucleating agent. <i>Polymer</i> , 2006, 47, 3826-3837.	1.8	332
13	Stereocomplex formation between enantiomeric poly(lactic acids). 3. Calorimetric studies on blend films cast from dilute solution. <i>Macromolecules</i> , 1991, 24, 5651-5656.	2.2	330
14	Blends of aliphatic polyesters. II. Hydrolysis of solution-cast blends from poly(L-lactide) and poly(ϵ -caprolactone) in phosphate-buffered solution. <i>Journal of Applied Polymer Science</i> , 1998, 67, 405-415.	1.3	290
15	Properties and morphology of poly(l-lactide) 4. Effects of structural parameters on long-term hydrolysis of poly(l-lactide) in phosphate-buffered solution. <i>Polymer Degradation and Stability</i> , 2000, 67, 179-189.	2.7	270
16	Enhanced thermal stability of poly(lactide)s in the melt by enantiomeric polymer blending. <i>Polymer</i> , 2003, 44, 2891-2896.	1.8	263
17	Structural Changes and Crystallization Dynamics of Poly(l-lactide) during the Cold-Crystallization Process Investigated by Infrared and Two-Dimensional Infrared Correlation Spectroscopy. <i>Macromolecules</i> , 2004, 37, 6433-6439.	2.2	257
18	Properties and morphology of poly(L-lactide). III. Effects of initial crystallinity on long-term <i>in vitro</i> hydrolysis of high molecular weight poly(L-lactide) film in phosphate-buffered solution. <i>Journal of Applied Polymer Science</i> , 2000, 77, 1452-1464.	1.3	246

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19	Stereocomplex formation between enantiomeric poly(lactic acid)s. 2. Stereocomplex formation in concentrated solutions. <i>Macromolecules</i> , 1991, 24, 2719-2724.	2.2	226
20	Stereocomplex formation between enantiomeric poly(lactic acid)s. 6. Binary blends from copolymers. <i>Macromolecules</i> , 1992, 25, 5719-5723.	2.2	225
21	Stereocomplex formation between enantiomeric poly(lactic acid)s. 4. Differential scanning calorimetric studies on precipitates from mixed solutions of poly(D-lactic acid) and poly(L-lactic acid). <i>Macromolecules</i> , 1992, 25, 2940-2946.	2.2	226
22	Investigation of Phase Transitional Behavior of Poly(l-lactide)/Poly(d-lactide) Blend Used to Prepare the Highly-Oriented Stereocomplex. <i>Macromolecules</i> , 2007, 40, 1049-1054.	2.2	217
23	Autocatalytic hydrolysis of amorphous-made polylactides: effects of l-lactide content, tacticity, and enantiomeric polymer blending. <i>Polymer</i> , 2002, 43, 1789-1796.	1.8	207
24	Blends of aliphatic polyesters. I. Physical properties and morphologies of solution-cast blends from poly(DL-lactide) and poly(ϵ -caprolactone). <i>Journal of Applied Polymer Science</i> , 1996, 60, 2367-2375.	1.3	197
25	Properties and morphology of poly(L-lactide). II. hydrolysis in alkaline solution. <i>Journal of Polymer Science Part A</i> , 1998, 36, 59-66.	2.5	195
26	Environmental degradation of biodegradable polyesters 1. Poly(μ -caprolactone), poly[(R)-3-hydroxybutyrate], and poly(L-lactide) films in controlled static seawater. <i>Polymer Degradation and Stability</i> , 2002, 75, 347-355.	2.7	194
27	In vitro hydrolysis of blends from enantiomeric poly(lactide)s Part 1. Well-stereo-complexed blend and non-blended films. <i>Polymer</i> , 2000, 41, 3621-3630.	1.8	184
28	Stereocomplex formation between enantiomeric poly(lactic acid)s. 7. Phase structure of the stereocomplex crystallized from a dilute acetonitrile solution as studied by high-resolution solid-state carbon-13 NMR spectroscopy. <i>Macromolecules</i> , 1992, 25, 4114-4118.	2.2	182
29	Stereocomplex Formation between Enantiomeric Poly(lactic acid)s. 12. Spherulite Growth of Low-Molecular-Weight Poly(lactic acid)s from the Melt. <i>Biomacromolecules</i> , 2004, 5, 1181-1186.	2.6	179
30	Weak Intermolecular Interactions during the Melt Crystallization of Poly(l-lactide) Investigated by Two-Dimensional Infrared Correlation Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2004, 108, 11514-11520.	1.2	173
31	Electrospinning of Poly(lactic acid) Stereocomplex Nanofibers. <i>Biomacromolecules</i> , 2006, 7, 3316-3320.	2.6	169
32	Poly(l-lactide): VI Effects of crystallinity on enzymatic hydrolysis of poly(l-lactide) without free amorphous region. <i>Polymer Degradation and Stability</i> , 2001, 71, 415-424.	2.7	166
33	Stereocomplex formation between enantiomeric poly(lactic acids). 5. Calorimetric and morphological studies on the stereocomplex formed in acetonitrile solution. <i>Macromolecules</i> , 1992, 25, 2940-2946.	2.2	151
34	Poly(l-lactide)/nano-structured carbon composites: Conductivity, thermal properties, crystallization, and biodegradation. <i>Polymer</i> , 2007, 48, 4213-4225.	1.8	148
35	Stereocomplex formation between enantiomeric poly(lactic acid). VIII. Complex fibers spun from mixed solution of poly(D-lactic acid) and poly(L-lactic acid). <i>Journal of Applied Polymer Science</i> , 1994, 51, 337-344.	1.3	146
36	Photodegradation of biodegradable polyesters: A comprehensive study on poly(l-lactide) and poly(ϵ -caprolactone). <i>Polymer Degradation and Stability</i> , 2006, 91, 1128-1137.	2.7	145

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37	Enzymatic Hydrolysis of Poly(lactide)s: Effects of Molecular Weight, l-Lactide Content, and Enantiomeric and Diastereoisomeric Polymer Blending. <i>Biomacromolecules</i> , 2001, 2, 597-604.	2.6	144
38	Physical Properties, Crystallization, and Spherulite Growth of Linear and 3-Arm Poly(l-lactide)s. <i>Biomacromolecules</i> , 2005, 6, 244-254.	2.6	138
39	In vitro hydrolysis of blends from enantiomeric poly(lactide)s. Part 4: well-homo-crystallized blend and nonblended films. <i>Biomaterials</i> , 2003, 24, 537-547.	5.7	137
40	Non-Isothermal Crystallization Behavior of Poly(L-lactic acid) in the Presence of Various Additives. <i>Macromolecular Materials and Engineering</i> , 2006, 291, 325-335.	1.7	137
41	Confirmation of Disorder Form of Poly(L-lactic acid) by the X-ray Fiber Pattern and Polarized IR/Raman Spectra Measured for Uniaxially-Oriented Samples. <i>Macromolecular Symposia</i> , 2006, 242, 274-278.	0.4	135
42	A New Strategy for Recycling and Preparation of Poly(l-lactic acid): Hydrolysis in the Melt. <i>Biomacromolecules</i> , 2003, 4, 835-840.	2.6	132
43	Blends of isotactic and atactic poly(lactide)s: 2. Molecular-weight effects of atactic component on crystallization and morphology of equimolar blends from the melt. <i>Polymer</i> , 1996, 37, 595-602.	1.8	123
44	Spherulite growth of l-lactide copolymers: Effects of tacticity and comonomers. <i>Polymer</i> , 2005, 46, 4917-4927.	1.8	123
45	Blends of aliphatic polyesters. III. Biodegradation of solution-cast blends from poly(L-lactide) and poly(ϵ -caprolactone). <i>Journal of Applied Polymer Science</i> , 1998, 70, 2259-2268.	1.3	118
46	Poly(l-lactide): 7. Enzymatic hydrolysis of free and restricted amorphous regions in poly(l-lactide) films with different crystallinities and a fixed crystalline thickness. <i>Polymer</i> , 2001, 42, 4463-4467.	1.8	117
47	Water vapor permeability of poly(lactide)s: Effects of molecular characteristics and crystallinity. <i>Journal of Applied Polymer Science</i> , 2006, 99, 2245-2252.	1.3	116
48	Poly(L-lactide). IX. Hydrolysis in acid media. <i>Journal of Applied Polymer Science</i> , 2002, 86, 186-194.	1.3	113
49	Blends of crystalline and amorphous poly(lactide). III. Hydrolysis of solution-cast blend films. <i>Journal of Applied Polymer Science</i> , 1997, 63, 855-863.	1.3	112
50	Effects of molecular weight and small amounts of d-lactide units on hydrolytic degradation of poly(l-lactic acid)s. <i>Polymer Degradation and Stability</i> , 2006, 91, 1665-1673.	2.7	110
51	Crystallization, spherulite growth, and structure of blends of crystalline and amorphous poly(lactide)s. <i>Polymer</i> , 2009, 50, 4007-4017.	1.8	110
52	Effect of annealing on the mechanical properties of PLA/PCL and PLA/PCL/LTI polymer blends. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2011, 4, 255-260.	1.5	109
53	Environmental degradation of biodegradable polyesters 2. Poly(ϵ -caprolactone), poly[(R)-3-hydroxybutyrate], and poly(L-lactide) films in natural dynamic seawater. <i>Polymer Degradation and Stability</i> , 2002, 75, 357-365.	2.7	107
54	Crystal Structure of Poly(lactic acid) Stereocomplex: Random Packing Model of PDLA and PLLA Chains As Studied by X-ray Diffraction Analysis. <i>Macromolecules</i> , 2017, 50, 8048-8065.	2.2	100

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55	Part 7. Effects of poly(L-lactide-co- ϵ -caprolactone) on morphology, structure, crystallization, and physical properties of blends of poly(L-lactide) and poly(ϵ -caprolactone). <i>Polymer International</i> , 2003, 52, 269-275.	1.6	97
56	Poly(L-Lactide), 8. High-Temperature Hydrolysis of Poly(L-Lactide) Films with Different Crystallinities and Crystalline Thicknesses in Phosphate-Buffered Solution. <i>Macromolecular Materials and Engineering</i> , 2001, 286, 398-406.	1.7	96
57	Blends of aliphatic polyesters: V non-enzymatic and enzymatic hydrolysis of blends from hydrophobic poly(L-lactide) and hydrophilic poly(vinyl alcohol). <i>Polymer Degradation and Stability</i> , 2001, 71, 403-413.	2.7	95
58	Differences in the CH ₃ δ -OC interactions among poly(L-lactide), poly(L-lactide)/poly(D-lactide) stereocomplex, and poly(3-hydroxybutyrate) studied by infrared spectroscopy. <i>Journal of Molecular Structure</i> , 2005, 735-736, 249-257.	1.8	95
59	Poly(L-lactide): XII. Formation, growth, and morphology of crystalline residues as extended-chain crystallites through hydrolysis of poly(L-lactide) films in phosphate-buffered solution. <i>Polymer Degradation and Stability</i> , 2004, 84, 515-523.	2.7	90
60	Enhanced Stereocomplex Crystallization of Biodegradable Enantiomeric Poly(lactic acid)s by Repeated Casting. <i>Macromolecular Materials and Engineering</i> , 2011, 296, 583-589.	1.7	88
61	Crystallization Behaviors of Poly(3-hydroxybutyrate) and Poly(L-lactic acid) in Their Immiscible and Miscible Blends. <i>Journal of Physical Chemistry B</i> , 2006, 110, 24463-24471.	1.2	79
62	Stereocomplex Crystallization and Spherulite Growth of Low Molecular Weight Poly(L-lactide) and Poly(D-lactide) from the Melt. <i>Macromolecular Chemistry and Physics</i> , 2009, 210, 993-1002.	1.1	79
63	In vitro hydrolysis of poly(ϵ -lactide) crystalline residues as extended-chain crystallites. Part I: long-term hydrolysis in phosphate-buffered solution at 37 \AA C. <i>Biomaterials</i> , 2004, 25, 5449-5455.	5.7	78
64	Water Vapor Permeability of Poly(L-lactide)/Poly(D-lactide) Stereocomplexes. <i>Macromolecular Materials and Engineering</i> , 2010, 295, 709-715.	1.7	76
65	Porous biodegradable polyesters. I. Preparation of porous poly(L-lactide) films by extraction of poly(ethylene oxide) from their blends. <i>Journal of Applied Polymer Science</i> , 2000, 75, 629-637.	1.3	75
66	Porous Biodegradable Polyesters, 3. Preparation of Porous Poly(ϵ -caprolactone) Films from Blends by Selective Enzymatic Removal of Poly(L-lactide). <i>Macromolecular Bioscience</i> , 2001, 1, 59-65.	2.1	75
67	Comparative study on hydrolytic degradation and monomer recovery of poly(L-lactic acid) in the solid and in the melt. <i>Polymer Degradation and Stability</i> , 2008, 93, 1956-1963.	2.7	75
68	Stereocomplex crystallization and spherulite growth behavior of poly(L-lactide)-b-poly(D-lactide) stereodiblock copolymers. <i>Polymer</i> , 2010, 51, 4937-4947.	1.8	75
69	In Vitro Hydrolysis of Blends from Enantiomeric Poly(lactide)s. 3. Homocrystallized and Amorphous Blend Films. <i>Biomacromolecules</i> , 2003, 4, 7-11.	2.6	73
70	Blends of aliphatic polyesters. VI. Lipase-catalyzed hydrolysis and visualized phase structure of biodegradable blends from poly(μ -caprolactone) and poly(L-lactide). <i>International Journal of Biological Macromolecules</i> , 2001, 29, 83-89.	3.6	71
71	Poly(L-lactide): v. effects of storage in swelling solvents on physical properties and structure of poly(L-lactide). <i>Journal of Applied Polymer Science</i> , 2001, 79, 1582-1589.	1.3	70
72	Highly Enhanced Nucleating Effect of Melt-Recrystallized Stereocomplex Crystallites on Poly(L-lactic acid) Crystallization. <i>Macromolecular Materials and Engineering</i> , 2011, 296, 887-893.	1.7	70

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73	Stereocomplex Formation between Enantiomeric Substituted Poly(lactide)s: Blends of Poly[(<i>S</i>)-2-hydroxybutyrate] and Poly[(<i>R</i>)-2-hydroxybutyrate]. <i>Macromolecules</i> , 2009, 42, 7263-7266.	2.2	69
74	Blends of aliphatic polyesters. IV. Morphology, swelling behavior, and surface and bulk properties of blends from hydrophobic poly(L-lactide) and hydrophilic poly(vinyl alcohol). <i>Journal of Applied Polymer Science</i> , 2001, 81, 2151-2160.	1.3	68
75	In vitro hydrolysis of poly(l-lactide) crystalline residues as extended-chain crystallites. <i>Polymer Degradation and Stability</i> , 2004, 85, 647-656.	2.7	68
76	Stereocomplex Crystallization Behavior and Physical Properties of Linear 1â€”Arm, 2â€”Arm, and Branched 4â€”Arm Poly(L-lactide)/Poly(D-lactide) Blends: Effects of Chain Directional Change and Branching. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 776-786.	1.1	68
77	Synchronous and separate homo-crystallization of enantiomeric poly(l-lactic acid)/poly(d-lactic acid) blends. <i>Polymer</i> , 2012, 53, 747-754.	1.8	67
78	Heterostereocomplexation between Biodegradable and Optically Active Polyesters as a Versatile Preparation Method for Biodegradable Materials. <i>Biomacromolecules</i> , 2010, 11, 252-258.	2.6	65
79	Crystallization behavior and physical properties of linear 2-arm and branched 4-arm poly(l-lactide)s: Effects of branching. <i>Polymer</i> , 2013, 54, 2422-2434.	1.8	65
80	Biodegradable Polyesters as Crystallization-Accelerating Agents of Poly(L-lactide). <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 1719-1730.	4.0	64
81	Poly(L-lactide). X. Enhanced surface hydrophilicity and chain-scission mechanisms of poly(L-lactide) film in enzymatic, alkaline, and phosphate-buffered solutions. <i>Journal of Applied Polymer Science</i> , 2003, 87, 1628-1633.	1.3	61
82	Enhanced crystallization of poly(L-lactide-co- ϵ -caprolactone) during storage at room temperature. <i>Journal of Applied Polymer Science</i> , 2000, 76, 947-953.	1.3	60
83	Alkaline and Enzymatic Degradation of L-Lactide Copolymers, 1. <i>Macromolecular Bioscience</i> , 2005, 5, 135-148.	2.1	60
84	Enzymatic, Alkaline, and Autocatalytic Degradation of Poly(l-lactic acid): Effects of Biaxial Orientation. <i>Biomacromolecules</i> , 2006, 7, 380-387.	2.6	59
85	Polyglycolide as a Biodegradable Nucleating Agent for Poly(L-lactide). <i>Macromolecular Materials and Engineering</i> , 2008, 293, 947-951.	1.7	59
86	Isothermal crystallization and spherulite growth behavior of stereo multiblock poly(lactic acid)s: Effects of block length. <i>Journal of Applied Polymer Science</i> , 2013, 129, 2502-2517.	1.3	58
87	Alkaline and enzymatic degradation of L-lactide copolymers. II. Crystallized films of poly(L-lactide-co-D-lactide) and poly(L-lactide) with similar crystallinities. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2005, 43, 1064-1075.	2.4	57
88	Enzymatic Degradation of Poly(l-Lactic Acid): Effects of UV Irradiation. <i>Journal of Polymers and the Environment</i> , 2006, 14, 239-248.	2.4	57
89	Blends of isotactic and atactic poly(lactide). I. Effects of mixing ratio of isomers on crystallization of blends from melt. <i>Journal of Applied Polymer Science</i> , 1995, 58, 1793-1802.	1.3	54
90	Crystallization behavior of linear 1-arm and 2-arm poly(l-lactide)s: Effects of coinitiators. <i>Polymer</i> , 2008, 49, 1385-1397.	1.8	54

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91	Poly(L-lactide) XI. Lactide formation by thermal depolymerisation of poly(L-lactide) in a closed system. <i>Polymer Degradation and Stability</i> , 2003, 81, 501-509.	2.7	52
92	Stereocomplex formation between poly(L-lactide) and poly(D-lactide) with disproportionately low and high molecular weights from the melt. <i>Polymer International</i> , 2012, 61, 442-450.	1.6	52
93	Twist-bend nematic liquid crystals based on thioether linkage. <i>New Journal of Chemistry</i> , 2019, 43, 6786-6793.	1.4	52
94	Accelerated hydrolytic degradation of Poly(L-lactide)/Poly(D-lactide) stereocomplex up to late stage. <i>Polymer Degradation and Stability</i> , 2010, 95, 477-484.	2.7	51
95	Development of novel bistolane-based liquid crystalline molecules with an alkylsulfanyl group for highly birefringent materials. <i>RSC Advances</i> , 2016, 6, 16568-16574.	1.7	51
96	Stereocomplex formation between enantiomeric poly(lactic acid)s. X. Binary blends from poly(D-lactide-CO-glycolide) and poly(L-lactide-CO-glycolide). <i>Journal of Applied Polymer Science</i> , 1994, 53, 1061-1071.	1.3	50
97	Blends of aliphatic polyesters. VIII. Effects of poly(L-lactide-co-ε-caprolactone) on enzymatic hydrolysis of poly(L-lactide), poly(ε-caprolactone), and their blend films. <i>Journal of Applied Polymer Science</i> , 2003, 87, 412-419.	1.3	50
98	Degradation of poly(D-lactic acid) by a thermophile. <i>Polymer Degradation and Stability</i> , 2003, 81, 167-171.	2.7	49
99	Surface hydrophilicity and enzymatic hydrolyzability of biodegradable polyesters: 1. effects of alkaline treatment. <i>Polymer International</i> , 2003, 52, 843-852.	1.6	49
100	In Vitro Hydrolysis of Poly(L-lactide) Crystalline Residues as Extended-Chain Crystallites: II. Effects of Hydrolysis Temperature. <i>Biomacromolecules</i> , 2004, 5, 1021-1028.	2.6	49
101	Effect of LTI content on impact fracture property of PLA/PCL/LTI polymer blends. <i>Journal of Materials Science</i> , 2006, 41, 6501-6504.	1.7	49
102	The design of liquid crystalline bistolane-based materials with extremely high birefringence. <i>RSC Advances</i> , 2016, 6, 92845-92851.	1.7	49
103	Physical properties and enzymatic hydrolysis of poly(L-lactide)-TiO ₂ composites. <i>Journal of Applied Polymer Science</i> , 2005, 96, 190-199.	1.3	45
104	Precursors in stereo-complex crystals of poly(L-lactic acid)/poly(D-lactic acid) blends under shear flow. <i>Journal of Applied Crystallography</i> , 2014, 47, 14-21.	1.9	45
105	Stereocomplex Crystallization and Homocrystallization of Star-Shaped Four-Armed Stereo Diblock Poly(lactide)s with Different L-Lactyl Unit Contents: Isothermal Crystallization from the Melt. <i>Journal of Physical Chemistry B</i> , 2016, 120, 1183-1193.	1.2	44
106	Crystal modulus of poly (lactic acid)s, and their stereocomplex. <i>Polymer</i> , 2018, 138, 124-131.	1.8	44
107	Effects of rapid crystallization on hydrolytic degradation and mechanical properties of poly(L-lactide-co-ε-caprolactone). <i>Reactive and Functional Polymers</i> , 2006, 66, 1362-1372.	2.0	43
108	Hydrolytic degradation behavior of stereo multiblock and diblock poly(lactic acid)s: Effects of block lengths. <i>Polymer Degradation and Stability</i> , 2013, 98, 709-719.	2.7	43

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109	Highly Enhanced Accelerating Effect of Melt-Recrystallized Stereocomplex Crystallites on Poly(L-lactide) Crystallization, Effects of Poly(D-lactide) Concentration. <i>Macromolecular Materials and Engineering</i> , 2013, 298, 270-282.	1.7	43
110	Hydrolytic Degradation of Amorphous Films of L-Lactide Copolymers with Glycolide and D-Lactide. <i>Macromolecular Materials and Engineering</i> , 2006, 291, 357-368.	1.7	42
111	Thioether-linked liquid crystal dimers and trimers: The twist-bend nematic phase. <i>Journal of Molecular Structure</i> , 2020, 1199, 126913.	1.8	42
112	Solid-state ¹³ C NMR analyses of the structures of crystallized and quenched poly(lactide)s: Effects of crystallinity, water absorption, hydrolytic degradation, and tacticity. <i>Polymer</i> , 2010, 51, 2215-2220.	1.8	41
113	Highly accelerated stereocomplex crystallization by blending star-shaped 4-armed stereo diblock poly(lactide)s with poly(D-lactide) and poly(L-lactide) cores. <i>Polymer</i> , 2014, 55, 6444-6450.	1.8	41
114	Porous biodegradable polyester blends of poly(L-lactide) and poly(ϵ -caprolactone): physical properties, morphology, and biodegradation. <i>Polymer International</i> , 2007, 56, 258-266.	1.6	40
115	Synthesis, physical properties, and crystallization of optically active poly(L-phenyllactic acid). <i>Polymer Science</i> , 2008, 110, 3954-3962.	1.3	39
116	Nitrate Removal Efficiency and Bacterial Community Dynamics in Denitrification Processes Using Poly(L-lactide) as the Solid Substrate. <i>Microbes and Environments</i> , 2011, 26, 212-219.	0.7	39
117	Porous biodegradable polyesters. II. Physical properties, morphology, and enzymatic and alkaline hydrolysis of porous poly(ϵ -caprolactone) films. <i>Journal of Applied Polymer Science</i> , 2001, 80, 2281-2291.	1.3	38
118	Crystallization and hydrolytic/thermal degradation of a novel stereocomplexationable blend of poly(L-2-hydroxybutyrate) and poly(D-2-hydroxybutyrate). <i>Polymer Journal</i> , 2011, 43, 317-324.	1.3	38
119	Hetero-stereocomplex formation of stereoblock copolymer of substituted and non-substituted poly(lactide)s. <i>Polymer</i> , 2011, 52, 1318-1325.	1.8	37
120	Hydrogen bonding liquid crystalline benzoic acids with alkylthio groups: phase transition behavior and insights into the cybotactic nematic phase. <i>New Journal of Chemistry</i> , 2017, 41, 6514-6522.	1.4	37
121	Supramolecular hydrogen-bonded liquid crystals based on 4-n-alkylthiobenzoic acids and 4,4'-bipyridine: Their mesomorphic behavior with comparative study including alkyl and alkoxy counterparts. <i>Journal of Molecular Liquids</i> , 2019, 280, 153-159.	2.3	37
122	Synthesis and Hydrolytic Degradation of Substituted Poly(DL-Lactide)s. <i>Materials</i> , 2011, 4, 1384-1398.	1.3	35
123	Homo- and hetero-stereocomplexes of substituted poly(lactide)s as promising biodegradable crystallization-accelerating agents of poly(L-lactide). <i>Journal of Applied Polymer Science</i> , 2011, 122, 321-333.	1.3	35
124	Synthesis and Characterization of Stereo Multiblock Poly(lactide)s with Different Block Lengths by Melt Polycondensation of Poly(L-lactide)/Poly(D-lactide) Blends. <i>Macromolecular Reaction Engineering</i> , 2012, 6, 446-457.	0.9	35
125	Ternary Stereocomplex Formation of One L-Configured and Two D-Configured Optically Active Polyesters, Poly(L-2-hydroxybutanoic acid), Poly(D-2-hydroxybutanoic acid), and Poly(D-lactide). <i>ACS Macro Letters</i> , 2012, 1, 687-691.	2.3	35
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