Hideto Tsuji

List of Publications by Year
in descending order

252 papers	22,942 citations	10979 71 h-index	9334 143 g-index
310 all docs	310 docs citations	310 times ranked	9091 citing authors

#	Article	IF	Citations
1	Biodegradable polyesters for medical and ecological applications. Macromolecular Rapid Communications, 2000, 21, 117-132.	2.0	1,353
2	Stereocomplex formation between enantiomeric poly(lactides). Macromolecules, 1987, 20, 904-906.	2.2	1,275
3	Poly(lactide) Stereocomplexes: Formation, Structure, Properties, Degradation, and Applications. Macromolecular Bioscience, 2005, 5, 569-597.	2.1	1,209
4	Crystal Modifications and Thermal Behavior of Poly(l-lactic acid) Revealed by Infrared Spectroscopy. Macromolecules, 2005, 38, 8012-8021.	2.2	775
5	Disorder-to-Order Phase Transition and Multiple Melting Behavior of Poly(<scp>l</scp>-lactide) Investigated by Simultaneous Measurements of WAXD and DSC. Macromolecules, 2008, 41, 1352-1357.	2.2	737
6	Properties and morphologies of poly(?-lactide): 1. Annealing condition effects on properties and morphologies of poly(?-lactide). Polymer, 1995, 36, 2709-2716.	1.8	468
7	Poly(lactic acid) stereocomplexes: A decade of progress. Advanced Drug Delivery Reviews, 2016, 107, 97-135.	6.6	406
8	Stereocomplex formation between enantiomeric poly(lactic acids). 9. Stereocomplexation from the melt. Macromolecules, 1993, 26, 6918-6926.	2.2	392
9	Crystal structure of stereocomplex of poly(L-lactide) and poly(D-lactide). Journal of Macromolecular Science - Physics, 1991, 30, 119-140.	0.4	344
10	Infrared Spectroscopic Study of CH3Â·Â·Â·OC Interaction during Poly(l-lactide)/Poly(d-lactide) Stereocomplex Formation. Macromolecules, 2005, 38, 1822-1828.	2.2	342
11	Crystallization from the melt of poly(lactide)s with different optical purities and their blends. Macromolecular Chemistry and Physics, 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. Polymer, 2006, 47, 3826-3837.	1.8	332
13	Stereocomplex formation between enantiomeric poly(lactic acid)s. 3. Calorimetric studies on blend films cast from dilute solution. Macromolecules, 1991, 24, 5651-5656.	2.2	330
14	Blends of aliphatic polyesters. II. Hydrolysis of solution-cast blends from poly(L-lactide) and poly(?-caprolactone) in phosphate-buffered solution. Journal of Applied Polymer Science, 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. Polymer Degradation and Stability, 2000, 67, 179-189.	2.7	270
16	Enhanced thermal stability of poly(lactide)s in the melt by enantiomeric polymer blending. Polymer, 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. Macromolecules, 2004, 37, 6433-6439.	2.2	257
18	Properties and morphology of poly(L-lactide). III. Effects of initial crystallinity on long-termin vitro hydrolysis of high molecular weight poly(L-lactide) film in phosphate-buffered solution. Journal of Applied Polymer Science, 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. Macromolecules, 1991, 24, 2719-2724.	2.2	226
20	Stereocomplex formation between enantiomeric poly(lactic acid)s. 6. Binary blends from copolymers. Macromolecules, 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) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.2	218
22	Investigation of Phase Transitional Behavior of Poly(l-lactide)/Poly(d-lactide) Blend Used to Prepare the Highly-Oriented Stereocomplex. Macromolecules, 2007, 40, 1049-1054.	2.2	217
23	Autocatalytic hydrolysis of amorphous-made polylactides: effects of l-lactide content, tacticity, and enantiomeric polymer blending. Polymer, 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(?-caprolactone). Journal of Applied Polymer Science, 1996, 60, 2367-2375.	1.3	197
25	Properties and morphology of poly(L-lactide). II. hydrolysis in alkaline solution. Journal of Polymer Science Part A, 1998, 36, 59-66.	2.5	195
26	Environmental degradation of biodegradable polyesters 1. Poly(Îµ-caprolactone), poly[(R)-3-hydroxybutyrate], and poly(L-lactide) films in controlled static seawater. Polymer Degradation and Stability, 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. Polymer, 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. Macromolecules, 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. Biomacromolecules, 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. Journal of Physical Chemistry B, 2004, 108, 11514-11520.	1.2	173
31	Electrospinning of Poly(lactic acid) Stereocomplex Nanofibers. Biomacromolecules, 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. Polymer Degradation and Stability, 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. Macromolecules, 1992, 25, 2940-2946.	2.2	151
34	Poly(l-lactide)/nano-structured carbon composites: Conductivity, thermal properties, crystallization, and biodegradation. Polymer, 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). Journal of Applied Polymer Science, 1994, 51, 337-344.	1.3	146
36	Photodegradation of biodegradable polyesters: A comprehensive study on poly(l-lactide) and poly(É›-caprolactone). Polymer Degradation and Stability, 2006, 91, 1128-1137.	2.7	145

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37	Enzymatic Hydrolysis of Poly(lactide)s:Â Effects of Molecular Weight,l-Lactide Content, and Enantiomeric and Diastereoisomeric Polymer Blending. Biomacromolecules, 2001, 2, 597-604.	2.6	144
38	Physical Properties, Crystallization, and Spherulite Growth of Linear and 3-Arm Poly(l-lactide)s. Biomacromolecules, 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. Biomaterials, 2003, 24, 537-547.	5.7	137
40	Non-Isothermal Crystallization Behavior of Poly(L-lactic acid) in the Presence of Various Additives. Macromolecular Materials and Engineering, 2006, 291, 325-335.	1.7	137
41	Confirmation of DisorderÎ± Form of Poly(L-lactic acid) by the X-ray Fiber Pattern and Polarized IR/Raman Spectra Measured for Uniaxially-Oriented Samples. Macromolecular Symposia, 2006, 242, 274-278.	0.4	135
42	A New Strategy for Recycling and Preparation of Poly(l-lactic acid):Â Hydrolysis in the Melt. Biomacromolecules, 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. Polymer, 1996, 37, 595-602.	1.8	123
44	Spherulite growth of l-lactide copolymers: Effects of tacticity and comonomers. Polymer, 2005, 46, 4917-4927.	1.8	123
45	Blends of aliphatic polyesters. III. Biodegradation of solution-cast blends from poly(L-lactide) and poly(?-caprolactone). Journal of Applied Polymer Science, 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. Polymer, 2001, 42, 4463-4467.	1.8	117
47	Water vapor permeability of poly(lactide)s: Effects of molecular characteristics and crystallinity. Journal of Applied Polymer Science, 2006, 99, 2245-2252.	1.3	116
48	Poly(L-lactide). IX. Hydrolysis in acid media. Journal of Applied Polymer Science, 2002, 86, 186-194.	1.3	113
49	Blends of crystalline and amorphous poly(lactide). III. Hydrolysis of solution-cast blend films. Journal of Applied Polymer Science, 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. Polymer Degradation and Stability, 2006, 91, 1665-1673.	2.7	110
51	Crystallization, spherulite growth, and structure of blends of crystalline and amorphous poly(lactide)s. Polymer, 2009, 50, 4007-4017.	1.8	110
52	Effect of annealing on the mechanical properties of PLA/PCL and PLA/PCL/LTI polymer blends. Journal of the Mechanical Behavior of Biomedical Materials, 2011, 4, 255-260.	1.5	109
53	Environmental degradation of biodegradable polyesters 2. Poly(Îµ-caprolactone), poly[(R)-3-hydroxybutyrate], and poly(L-lactide) films in natural dynamic seawater. Polymer Degradation and Stability, 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. Macromolecules, 2017, 50, 8048-8065.	2.2	100

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55	Part 7. Effects of poly(L-lactide-co-?-caprolactone) on morphology, structure, crystallization, and physical properties of blends of poly(L-lactide) and poly(?-caprolactone). Polymer International, 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. Macromolecular Materials and Engineering, 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). Polymer Degradation and Stability, 2001, 71, 403-413.	2.7	95
58	Differences in the CH3â‹¯OC interactions among poly(l-lactide), poly(l-lactide)/poly(d-lactide) stereocomplex, and poly(3-hydroxybutyrate) studied by infrared spectroscopy. Journal of Molecular Structure, 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. Polymer Degradation and Stability, 2004, 84, 515-523.	2.7	90
60	Enhanced Stereocomplex Crystallization of Biodegradable Enantiomeric Poly(lactic acid)s by Repeated Casting. Macromolecular Materials and Engineering, 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. Journal of Physical Chemistry B, 2006, 110, 24463-24471.	1.2	79
62	Stereocomplex Crystallization and Spherulite Growth of Low Molecular Weight Poly(Lâ€lactide) and Poly(Dâ€lactide) from the Melt. Macromolecular Chemistry and Physics, 2009, 210, 993-1002.	1.1	79
63	In vitro hydrolysis of poly(?-lactide) crystalline residues as extended-chain crystallites. Part I: long-term hydrolysis in phosphate-buffered solution at 37Â°C. Biomaterials, 2004, 25, 5449-5455.	5.7	78
64	Water Vapor Permeability of Poly(<scp>L</scp>â€lactide)/Poly(<scp>D</scp>â€lactide) Stereocomplexes. Macromolecular Materials and Engineering, 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. Journal of Applied Polymer Science, 2000, 75, 629-637.	1.3	75
66	Porous Biodegradable Polyesters, 3. Preparation of Porous Poly(É›-caprolactone) Films from Blends by Selective Enzymatic Removal of Poly(L-lactide). Macromolecular Bioscience, 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. Polymer Degradation and Stability, 2008, 93, 1956-1963.	2.7	75
68	Stereocomplex crystallization and spherulite growth behavior of poly(l-lactide)-b-poly(d-lactide) stereodiblock copolymers. Polymer, 2010, 51, 4937-4947.	1.8	75
69	In Vitro Hydrolysis of Blends from Enantiomeric Poly(lactide)s. 3. Homocrystallized and Amorphous Blend Films. Biomacromolecules, 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(Îµ-caprolactone) and poly(l-lactide). International Journal of Biological Macromolecules, 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). Journal of Applied Polymer Science, 2001, 79, 1582-1589.	1.3	70
72	Highly Enhanced Nucleating Effect of Meltâ€Recrystallized Stereocomplex Crystallites on Poly(<scp>L</scp>â€lactic acid) Crystallization. Macromolecular Materials and Engineering, 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]. Macromolecules, 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). Journal of Applied Polymer Science, 2001, 81, 2151-2160.	1.3	68
75	In vitro hydrolysis of poly(l-lactide) crystalline residues as extended-chain crystallites. Polymer Degradation and Stability, 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(<scp>L</scp>â€lactide)/Poly(<scp>D</scp>â€lactide) Blends: Effects of Chain Directional Change and Branching. Macromolecular Chemistry and Physics, 2013, 214, 776-786.	1.1	68
77	Synchronous and separate homo-crystallization of enantiomeric poly(l-lactic acid)/poly(d-lactic acid) blends. Polymer, 2012, 53, 747-754.	1.8	67
78	Heterostereocomplexation between Biodegradable and Optically Active Polyesters as a Versatile Preparation Method for Biodegradable Materials. Biomacromolecules, 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. Polymer, 2013, 54, 2422-2434.	1.8	65
80	Biodegradable Polyesters as Crystallization-Accelerating Agents of Poly(<scp>l</scp>-lactide). ACS Applied Materials & Interfaces, 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. Journal of Applied Polymer Science, 2003, 87, 1628-1633.	1.3	61
82	Enhanced crystallization of poly(L-lactide-co-É›-caprolactone) during storage at room temperature. Journal of Applied Polymer Science, 2000, 76, 947-953.	1.3	60
83	Alkaline and Enzymatic Degradation ofL-Lactide Copolymers, 1. Macromolecular Bioscience, 2005, 5, 135-148.	2.1	60
84	Enzymatic, Alkaline, and Autocatalytic Degradation of Poly(l-lactic acid):Â Effects of Biaxial Orientation. Biomacromolecules, 2006, 7, 380-387.	2.6	59
85	Polyglycolide as a Biodegradable Nucleating Agent for Poly(<scp>L</scp>â€lactide). Macromolecular Materials and Engineering, 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. Journal of Applied Polymer Science, 2013, 129, 2502-2517.	1.3	58
87	Alkaline and enzymatic degradation ofL-lactide copolymers. II. Crystallized films of poly(L-lactide-co-D-lactide) and poly(L-lactide) with similar crystallinities. Journal of Polymer Science, Part B: Polymer Physics, 2005, 43, 1064-1075.	2.4	57
88	Enzymatic Degradation of Poly(l-Lactic Acid): Effects of UV Irradiation. Journal of Polymers and the Environment, 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. Journal of Applied Polymer Science, 1995, 58, 1793-1802.	1.3	54
90	Crystallization behavior of linear 1-arm and 2-arm poly(l-lactide)s: Effects of coinitiators. Polymer, 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. Polymer Degradation and Stability, 2003, 81, 501-509.	2.7	52
92	Stereocomplex formation between poly(Lâ€lactic acid) and poly(Dâ€lactic acid) with disproportionately low and high molecular weights from the melt. Polymer International, 2012, 61, 442-450.	1.6	52
93	Twist-bend nematic liquid crystals based on thioether linkage. New Journal of Chemistry, 2019, 43, 6786-6793.	1.4	52
94	Accelerated hydrolytic degradation of Poly(l-lactide)/Poly(d-lactide) stereocomplex up to late stage. Polymer Degradation and Stability, 2010, 95, 477-484.	2.7	51
95	Development of novel bistolane-based liquid crystalline molecules with an alkylsulfanyl group for highly birefringent materials. RSC Advances, 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). Journal of Applied Polymer Science, 1994, 53, 1061-1071.	1.3	50
97	Blends of aliphatic polyesters. VIII. Effects of poly(L-lactide-co-?-caprolactone) on enzymatic hydrolysis of poly(L-lactide), poly(?-caprolactone), and their blend films. Journal of Applied Polymer Science, 2003, 87, 412-419.	1.3	50
98	Degradation of poly(d-lactic acid) by a thermophile. Polymer Degradation and Stability, 2003, 81, 167-171.	2.7	49
99	Surface hydrophilicity and enzymatic hydrolyzability of biodegradable polyesters: 1. effects of alkaline treatment. Polymer International, 2003, 52, 843-852.	1.6	49
100	In Vitro Hydrolysis of Poly(l-lactide) Crystalline Residues as Extended-Chain Crystallites:Â II. Effects of Hydrolysis Temperature. Biomacromolecules, 2004, 5, 1021-1028.	2.6	49
101	Effect of LTI content on impact fracture property of PLA/PCL/LTI polymer blends. Journal of Materials Science, 2006, 41, 6501-6504.	1.7	49
102	The design of liquid crystalline bistolane-based materials with extremely high birefringence. RSC Advances, 2016, 6, 92845-92851.	1.7	49
103	Physical properties and enzymatic hydrolysis of poly(L-lactide)-TiO2 composites. Journal of Applied Polymer Science, 2005, 96, 190-199.	1.3	45
104	Precursors in stereo-complex crystals of poly(<scp>L</scp>-lactic acid)/poly(<scp>D</scp>-lactic acid) blends under shear flow. Journal of Applied Crystallography, 2014, 47, 14-21.	1.9	45
105	Stereocomplex Crystallization and Homocrystallization of Star-Shaped Four-Armed Stereo Diblock Poly(lactide)s with Different <scp>l</scp>-Lactyl Unit Contents: Isothermal Crystallization from the Melt. Journal of Physical Chemistry B, 2016, 120, 1183-1193.	1.2	44
106	Crystal modulus of poly (lactic acid)s, and their stereocomplex. Polymer, 2018, 138, 124-131.	1.8	44
107	Effects of rapid crystallization on hydrolytic degradation and mechanical properties of poly(l-lactide-co-Îµ-caprolactone). Reactive and Functional Polymers, 2006, 66, 1362-1372.	2.0	43
108	Hydrolytic degradation behavior of stereo multiblock and diblock poly(lactic acid)s: Effects of block lengths. Polymer Degradation and Stability, 2013, 98, 709-719.	2.7	43

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109	Highly Enhanced Accelerating Effect of Meltâ€Recrystallized Stereocomplex Crystallites on Poly(<scp>L</scp>â€lactic acid) Crystallization, 2â€"Effects of Poly(<scp>D</scp>â€lactic acid) Concentration. Macromolecular Materials and Engineering, 2013, 298, 270-282.	1.7	43
110	Hydrolytic Degradation of Amorphous Films ofL-Lactide Copolymers with Glycolide andD-Lactide. Macromolecular Materials and Engineering, 2006, 291, 357-368.	1.7	42
111	Thioether-linked liquid crystal dimers and trimers: The twist-bend nematic phase. Journal of Molecular Structure, 2020, 1199, 126913.	1.8	42
112	Solid-state 13C NMR analyses of the structures of crystallized and quenched poly(lactide)s: Effects of crystallinity, water absorption, hydrolytic degradation, and tacticity. Polymer, 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. Polymer, 2014, 55, 6444-6450.	1.8	41
114	Porous biodegradable polyester blends of poly(L-lactic acid) and poly(É›-caprolactone): physical properties, morphology, and biodegradation. Polymer International, 2007, 56, 258-266.	1.6	40
115	Synthesis, physical properties, and crystallization of optically active poly(<scp>L</scp>â€phenyllactic) Tj ETQq1 1 0.784314 rgBT /Ov Polymer Science, 2008, 110, 3954-3962.	1.3	39
116	Nitrate Removal Efficiency and Bacterial Community Dynamics in Denitrification Processes Using Poly (<sc>L</sc>-lactic acid) as the Solid Substrate. Microbes and Environments, 2011, 26, 212-219.	0.7	39
117	Porous biodegradable polyesters. II. Physical properties, morphology, and enzymatic and alkaline hydrolysis of porous poly(?-caprolactone) films. Journal of Applied Polymer Science, 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). Polymer Journal, 2011, 43, 317-324.	1.3	38
119	Hetero-stereocomplex formation of stereoblock copolymer of substituted and non-substituted poly(lactide)s. Polymer, 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. New Journal of Chemistry, 2017, 41, 6514-6522.	1.4	37
121	Supramolecular hydrogen-bonded liquid crystals based on 4-n-alkylthiobenzoic acids and 4,4â€²-bipyridine: Their mesomorphic behavior with comparative study including alkyl and alkoxy counterparts. Journal of Molecular Liquids, 2019, 280, 153-159.	2.3	37
122	Synthesis and Hydrolytic Degradation of Substituted Poly(DL-Lactic Acid)s. Materials, 2011, 4, 1384-1398.	1.3	35
123	Homoâ€•and heteroâ€stereocomplexes of substituted poly(lactide)s as promising biodegradable crystallizationâ€accelerating agents of poly(<scp>L</scp>â€lactide). Journal of Applied Polymer Science, 2011, 122, 321-333.	1.3	35
124	Synthesis and Characterization of Stereo Multiblock Poly(lactic acid)s with Different Block Lengths by Melt Polycondensation of Poly(<scp>L</scp>â€lactic acid)/Poly(<scp>D</scp>â€lactic acid) Blends. Macromolecular Reaction Engineering, 2012, 6, 446-457.	0.9	35
125	Ternary Stereocomplex Formation of One <scp>l</scp>-Configured and Two <scp>d</scp>-Configured Optically Active Polyesters, Poly(<scp>l</scp>-2-hydroxybutanoic acid), Poly(<scp>d</scp>-2-hydroxybutanoic acid), and Poly(<scp>d</scp>-lactic acid). ACS Macro Letters, 2012, 1, 687-691.	2.3	35
126	Physical properties and enzymatic hydrolysis of poly(l-lactide)â€"CaCO3 composites. Polymer Degradation and Stability, 2002, 78, 119-127.	2.7	34

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127	Novel diphenylacetylene-based room-temperature liquid crystalline molecules with alkylthio groups, and investigation of the role for terminal alkyl chains in mesogenic incidence and tendency. Liquid Crystals, 2018, 45, 811-820.	0.9	34
128	Etherâ€•and Thioetherâ€Linked Naphthaleneâ€Based Liquidâ€Crystal Dimers: Influence of Chalcogen Linkage and Mesogenicâ€Arm Symmetry on the Incidence and Stability of the Twistâ€"Bend Nematic Phase. Chemistry - A European Journal, 2020, 26, 3767-3775.	1.7	34
129	Enzymatic Degradation of Biodegradable Polyester Composites of Poly(L-lactic acid) and Poly(É›-caprolactone). Macromolecular Materials and Engineering, 2006, 291, 1245-1254.	1.7	32
130	Isothermal Crystallization Process of Poly(<scp>l</scp>-lactic acid)/Poly(<scp>d</scp>-lactic acid) Blends after Rapid Cooling from the Melt. ACS Omega, 2016, 1, 476-482.	1.6	32
131	Molecular Weight Dependence of the Poly(l-lactide)/Poly(d-lactide) Stereocomplex at the Airâˆ'Water Interface. Biomacromolecules, 2006, 7, 2728-2735.	2.6	31
132	Stereocomplex crystallization and homo-crystallization of enantiomeric poly(2-hydroxybutyrate)s: Effects of molecular weight and crystallization conditions. Polymer, 2012, 53, 5385-5392.	1.8	30
133	Phase transitions and birefringence of bistolane-based nematic molecules with an alkyl, alkoxy and alkylthio group. Molecular Crystals and Liquid Crystals, 2017, 647, 422-429.	0.4	30
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