

# Hideto Tsuji

## List of Publications by Year in Descending Order

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

280  
papers

19,161  
citations

66  
h-index

132  
g-index

310  
ext. papers

20,473  
ext. citations

4  
avg, IF

7.26  
L-index

#	Paper	IF	Citations
280	Synthesis, stereocomplex crystallization, homo-crystallization, and thermal properties and degradation of enantiomeric aromatic poly(lactic acid)s, poly(mandelic acid)s. <i>Polymer Degradation and Stability</i> , <b>2022</b> , 195, 109803	4.7	0
279	Deuterated Liquid Crystals [practical synthesis of deuterium labeled 4-alkyl-4'-isothiocyanato-[1,1':4',1'']terphenyls. <i>Journal of Molecular Liquids</i> , <b>2022</b> , 345, 117847	6	1
278	Effects of alkylthio groups on phase transitions of organic molecules and liquid crystals: a comparative study with alkyl and alkoxy groups. <i>CrystEngComm</i> , <b>2022</b> , 24, 1877-1890	3.3	2
277	Alkylthio-based asymmetric liquid crystals: unravelling the substituent effects and intercalated cybotactic nematic and smectic phases. <i>Materials Advances</i> , <b>2022</b> , 3, 3218-3228	3.3	3
276	2,7-substituted fluorenone-based liquid crystal trimers: twist-bend nematic phase induced by outer thioether linkage. <i>Phase Transitions</i> , <b>2022</b> , 95, 331-339	1.3	0
275	HYDROLYTIC DEGRADATION <b>2022</b> , 467-516		
274	Stereocomplex and individual crystallization behavior of symmetric or enantiomeric substituted Poly(lactic acid)s random copolymers with high crystallizabilities. <i>Polymer</i> , <b>2021</b> , 237, 124352	3.9	0
273	Phase behaviors of classic liquid crystal dimers and trimers: Alternate induction of smectic and twist-bend nematic phases depending on spacer parity for liquid crystal trimers. <i>Journal of Molecular Liquids</i> , <b>2021</b> , 326, 115319	6	8
272	Stereocomplex- and homo-crystallization behavior, polymorphism, and thermal properties of enantiomeric random copolymers of l- and d-lactic acids from the melt. <i>Polymer</i> , <b>2021</b> , 228, 123954	3.9	2
271	Synthesis and Stereocomplexation of New Enantiomeric Stereo Periodical Copolymers Poly(l-lactic acid)-b-lactic acid)-lactic acid) and Poly(d-lactic acid)-b-lactic acid)-lactic acid). <i>Macromolecules</i> , <b>2021</b> , 54, 6226-6237	5.5	4
270	Distinct twist-bend nematic phase behaviors associated with the ester-linkage direction of thioether-linked liquid crystal dimers. <i>Materials Advances</i> , <b>2021</b> , 2, 261-272	3.3	8
269	Stereocomplex- and homo-crystallization behavior, structure, morphology, and thermal properties of crystalline and amorphous stereo diblock copolymers, enantiomeric Poly(l-lactide)-b-Poly(dl-lactide) and Poly(d-lactide)-b-Poly(dl-lactide). <i>Polymer</i> , <b>2021</b> , 213, 123226	3.9	6
268	Thioether-linked azobenzene-based liquid crystal dimers exhibiting the twist-bend nematic phase over a wide temperature range. <i>Liquid Crystals</i> , <b>2021</b> , 48, 641-652	2.3	12
267	Extreme modulation of liquid crystal viscoelasticity via altering the ester bond direction. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 9990-9996	7.1	0
266	Methylene- and thioether-linked cyanobiphenyl-based liquid crystal dimers CBnSCB exhibiting room temperature twist-bend nematic phases and glasses. <i>Materials Advances</i> , <b>2021</b> , 2, 1760-1773	3.3	9
265	Carbonyl- and thioether-linked cyanobiphenyl-based liquid crystal dimers exhibiting twist-bend nematic phases. <i>Tetrahedron</i> , <b>2021</b> , 81, 131870	2.4	5
264	Complete Genome Sequence of sp. Strain Kuro-4, a Thermophilic Anaerobe Isolated from a Thermophilic Anaerobic Digestion Reactor Treating Poly(L-Lactic Acid). <i>Microbiology Resource Announcements</i> , <b>2021</b> , 10, e0054421	1.3	

263	Thioether-linked benzylideneaniline-based twist-bend nematic liquid crystal dimers: Insights into spacer lengths, mesogenic arm structures, and linkage types. <i>Tetrahedron</i> , <b>2021</b> , 95, 132351	2.4	4
262	Synthesis and characterization of alkylthio-attached azobenzene-based liquid crystal polymers: Roles of the alkylthio bond and polymer chain in phase behavior and liquid crystal formation. <i>Polymer</i> , <b>2021</b> , 124194	3.9	2
261	Viscoelastic properties of a thioether-based heliconical twist-bend nematogen. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 9593-9599	3.6	9
260	Synthesis and stereocomplex formation of enantiomeric alternating copolymers with two types of chiral centers, poly(lactic acid-2-hydroxybutanoic acid)s.. <i>RSC Advances</i> , <b>2020</b> , 10, 39000-39007	3.7	5
259	Stereocomplex and Individual Crystallizability of Random Copolymers Based on Chiral $\beta$ -Monosubstituted 2-Hydroxyalkanoic Acids. <i>Crystal Growth and Design</i> , <b>2020</b> , 20, 1047-1057	3.5	6
258	Thermal properties and degradation of enantiomeric copolyesteramides poly(lactic acid-co-alanine)s. <i>Polymer Degradation and Stability</i> , <b>2020</b> , 171, 109047	4.7	5
257	Ether- and Thioether-Linked Naphthalene-Based Liquid-Crystal Dimers: Influence of Chalcogen Linkage and Mesogenic-Arm Symmetry on the Incidence and Stability of the Twist-Bend Nematic Phase. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 3767-3775	4.8	21
256	Stereocomplex crystallization, homocrystallization, and polymorphism of enantiomeric copolyesteramides poly(lactic acid-co-alanine)s from the melt. <i>Polymer Crystallization</i> , <b>2020</b> , 3, e10094	0.9	2
255	Birefringence and photoluminescence properties of diphenylacetylene-based liquid crystal dimers. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 17531-17541	3.6	7
254	Crystallization behavior, structure, morphology, and thermal properties of crystalline and amorphous stereo diblock copolymers, poly(L-lactide)-b-poly(DL-lactide). <i>Polymer Chemistry</i> , <b>2020</b> , 11, 5711-5724	4.9	6
253	Thioether-linked liquid crystal dimers and trimers: The twist-bend nematic phase. <i>Journal of Molecular Structure</i> , <b>2020</b> , 1199, 126913	3.4	26
252	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> , <b>2019</b> , 280, 153-159	6	27
251	Quiescent Crystallization of Poly(Lactic Acid) and Its Copolymers-Based Materials. <i>Advances in Polymer Science</i> , <b>2019</b> , 37-86	1.3	2
250	Selenium-linked liquid crystal dimers for twist-bend nematogens. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 289, 111097	6	18
249	Stereocomplex Formation between Enantiomeric Alternating Lactic Acid-Based Copolymers as a Versatile Method for the Preparation of High Performance Biobased Biodegradable Materials. <i>ACS Applied Polymer Materials</i> , <b>2019</b> , 1, 1476-1484	4.3	19
248	Simultaneous stereocomplex cocrystallization from coexisting two types of stereocomplexation poly(lactide) systems. <i>CrystEngComm</i> , <b>2019</b> , 21, 3158-3169	3.3	3
247	Twist-bend nematic liquid crystals based on thioether linkage. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 6786-6793	3.6	33
246	A versatile strategy for the synthesis and mechanical property manipulation of networked biodegradable polymeric materials composed of well-defined alternating hard and soft domains.. <i>RSC Advances</i> , <b>2019</b> , 9, 7094-7106	3.7	4

245	Screening of crystalline species and enhanced nucleation of enantiomeric poly(lactide) systems by melt-quenching. <i>Polymer Bulletin</i> , <b>2019</b> , 76, 1199-1216	2.4	8
244	Draft Genome Sequence of sp. Strain Kuro-1, a Thermophilic, Lactate-Degrading Anaerobe Isolated from a Thermophilic Anaerobic Digestion Reactor. <i>Microbiology Resource Announcements</i> , <b>2019</b> , 8,	1.3	1
243	Alkylthio- and alkyl-substituted asymmetric diphenylacetylene-based liquid crystals: phase transitions, mesophase and single-crystal structures, and birefringence. <i>Liquid Crystals</i> , <b>2019</b> , 46, 1621-1630	2.3	13
242	Prokaryotic Community Structures in a Thermophilic Anaerobic Digestion Reactor Converting Poly(L-Lactic Acid) for a Long Period Revealed by 16S rRNA Gene Amplicon Sequencing. <i>Microbiology Resource Announcements</i> , <b>2019</b> , 8,	1.3	3
241	Nitrate removal performance and diversity of active denitrifying bacteria in denitrification reactors using poly(L-lactic acid) with enhanced chemical hydrolyzability. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 36236-36247	5.1	5
240	Synthesis, properties, and crystallization of the alternating stereocopolymer poly(L-lactic acid-alt-D-lactic acid) [syndiotactic poly(lactic acid)] and its blend with isotactic poly(lactic acid). <i>Polymer Chemistry</i> , <b>2018</b> , 9, 2446-2457	4.9	24
239	Crystal modulus of poly (lactic acid)s, and their stereocomplex. <i>Polymer</i> , <b>2018</b> , 138, 124-131	3.9	38
238	Synthesis, stereocomplex crystallization and homo-crystallization of enantiomeric poly(lactic acid-co-alanine)s with ester and amide linkages. <i>Polymer Chemistry</i> , <b>2018</b> , 9, 565-575	4.9	18
237	Ternary Stereocomplex and Hetero-Stereocomplex Crystallizability of Substituted and Unsubstituted Poly(lactic acid)s. <i>Crystal Growth and Design</i> , <b>2018</b> , 18, 521-530	3.5	12
236	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. <i>Liquid Crystals</i> , <b>2018</b> , 45, 811-820	2.3	24
235	Synthesis, phase transitions and birefringence of novel liquid crystalline 1,4-phenylene bis(4-alkylthio benzoates) and insights into the cybotactic nematic behaviour. <i>Liquid Crystals</i> , <b>2018</b> , 45, 821-830	2.3	16
234	Improvement of methanogenic activity of anaerobic digestion using poly(l-lactic acid) with enhanced chemical hydrolyzability based on physicochemical parameters. <i>Journal of Environmental Management</i> , <b>2018</b> , 226, 476-483	7.9	11
233	New fabrication approach to develop a high birefringence photo-crosslinked film based on a sulfur-containing liquid crystalline molecule with large temperature dependence of birefringence. <i>Molecular Crystals and Liquid Crystals</i> , <b>2018</b> , 662, 197-207	0.5	4
232	Cocrystallization of monomer units of biobased and biodegradable Poly(l-lactic acid-co-glycolic acid) random copolymers. <i>Polymer Journal</i> , <b>2018</b> , 50, 1079-1088	2.7	17
231	Strong Disturbance Effect of Comonomer Units with Opposite Configuration on Crystallization of Optically Active Monomer-Based Random Copolymers. <i>Crystal Growth and Design</i> , <b>2018</b> , 18, 6155-6164	3.5	5
230	Stereocomplex Crystallization between l- and d-Configured Staggered Asymmetric Random Copolymers Based on 2-Hydroxyalkanoic Acids. <i>Crystal Growth and Design</i> , <b>2018</b> , 18, 6009-6019	3.5	17
229	Draft Genome Sequence of Moorella sp. Strain Hama-1, a Novel Acetogenic Bacterium Isolated from a Thermophilic Digestion Reactor. <i>Genome Announcements</i> , <b>2018</b> , 6,		3
228	Stereocomplex Crystallization of Linear Two-Armed Stereo Diblock Copolymers: Effects of Chain Directional Change, Coinitiator Moiety, and Terminal Groups. <i>Journal of Physical Chemistry B</i> , <b>2017</b> , 121, 2695-2702	3.4	6

227	Configurational Molecular Glue: One Optically Active Polymer Attracts Two Oppositely Configured Optically Active Polymers. <i>Scientific Reports</i> , <b>2017</b> , 7, 45170	4.9	18
226	Phase transitions and birefringence of bistolane-based nematic molecules with an alkyl, alkoxy and alkylthio group. <i>Molecular Crystals and Liquid Crystals</i> , <b>2017</b> , 647, 422-429	0.5	24
225	Synthesis of meso-lactide by thermal configurational inversion and depolymerization of poly(l-lactide) and thermal configurational inversion of lactides. <i>Polymer Degradation and Stability</i> , <b>2017</b> , 141, 77-83	4.7	21
224	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> , <b>2017</b> , 41, 6514-6522	3.6	26
223	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> , <b>2017</b> , 50, 8048-8065	5.5	71
222	Stereocomplex Crystallization of Star-Shaped Four-Armed Stereo Diblock Poly(lactide) from the Melt: Effects of Incorporated Linear One-Armed Poly(l-lactide) or Poly(d-lactide). <i>Journal of Physical Chemistry B</i> , <b>2017</b> , 121, 9936-9946	3.4	8
221	Stereocomplex- and Homo-Crystallization and Phase-Transition Behavior of Relatively High-Molecular-Weight Linear One- and Two-Armed and Star-Shaped Four-Armed Poly(l-lactide)/Poly(d-lactide) Blends. <i>Macromolecular Chemistry and Physics</i> , <b>2017</b> , 218, 1700286	2.6	3
220	The effect of fluorine substitutions on the refractive index properties for $\pi$ -conjugated calamitic nematic materials. <i>Phase Transitions</i> , <b>2017</b> , 90, 549-556	1.3	11
219	Novel Hydrogen-bonded Liquid Crystalline Complexes between 4-Alkylthiobenzoic Acids and 4-Phenylpyridine. <i>Chemistry Letters</i> , <b>2017</b> , 46, 1657-1659	1.7	8
218	Stereocomplex crystallization and homo-crystallization of star-shaped four-armed stereo diblock poly(lactide)s during precipitation and non-isothermal crystallization. <i>Polymer Journal</i> , <b>2016</b> , 48, 1087-1093	2.7	7
217	Homo- and Stereocomplex Crystallization of Star-Shaped Four-Armed Stereo Diblock Copolymers of Crystalline and Amorphous Poly(lactide)s: Effects of Incorporation and Position of Amorphous Blocks. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 11052-11063	3.4	14
216	Effect of incorporated star-shaped four-armed stereo diblock poly(lactide) on the crystallization behavior of linear one-armed poly(l-lactide) or poly(d-lactide). <i>Polymer Journal</i> , <b>2016</b> , 48, 209-213	2.7	12
215	Development of novel bistolane-based liquid crystalline molecules with an alkylsulfanyl group for highly birefringent materials. <i>RSC Advances</i> , <b>2016</b> , 6, 16568-16574	3.7	37
214	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> , <b>2016</b> , 120, 1183-93	3.4	38
213	Synchronous and separate homo-crystallization of an enantiomeric oligomeric poly(l-3-hydroxybutanoic acid)/poly(d-3-hydroxybutanoic acid) blend. <i>Polymer Journal</i> , <b>2016</b> , 48, 215-220	2.7	1
212	Stereocomplex Crystallization of Star-Shaped 4-Armed Equimolar Stereo Diblock Poly(lactide)s with Different Molecular Weights: Isothermal Crystallization from the Melt. <i>Macromolecular Chemistry and Physics</i> , <b>2016</b> , 217, 1547-1557	2.6	16
211	Heterostereocomplex- and Homocrystallization and Thermal Properties and Degradation of Substituted Poly(lactic acid)s, Poly(l-2-hydroxybutanoic acid) and Poly(d-2-hydroxy-3-methylbutanoic acid). <i>Macromolecular Chemistry and Physics</i> , <b>2016</b> , 217, 2483-2493	2.6	11
210	Stereocomplex- and homo-crystallization of blends from 2-armed poly(l-lactide) and poly(d-lactide) with identical and opposite chain directional architectures and of 2-armed stereo diblock poly(lactide). <i>Polymer</i> , <b>2016</b> , 96, 167-181	3.9	11

209	Poly(lactic acid) stereocomplexes: A decade of progress. <i>Advanced Drug Delivery Reviews</i> , <b>2016</b> , 107, 97-135	18.5	301
208	Isothermal Crystallization Process of Poly(l-lactic acid)/Poly(d-lactic acid) Blends after Rapid Cooling from the Melt. <i>ACS Omega</i> , <b>2016</b> , 1, 476-482	3.9	22
207	The design of liquid crystalline bistolane-based materials with extremely high birefringence. <i>RSC Advances</i> , <b>2016</b> , 6, 92845-92851	3.7	33
206	Quaternary stereocomplex formation of substituted poly(lactic acid)s, l- and d-configured poly(2-hydroxybutanoic acid)s and l- and d-configured poly(2-hydroxy-3-methylbutanoic acid)s. <i>Polymer</i> , <b>2015</b> , 68, 57-64	3.9	13
205	Cocrystallization of monomer units in lactic acid-based biodegradable copolymers, poly(l-lactic acid-co-l-2-hydroxybutanoic acid)s. <i>Polymer</i> , <b>2015</b> , 72, 202-211	3.9	16
204	Non-isothermal crystallization behavior of stereo diblock polylactides with relatively short poly(d-lactide) segments from the melt. <i>Polymer International</i> , <b>2015</b> , 64, 54-65	3.3	12
203	Crystal Morphology of Poly(L-lactic Acid) and Poly(D-lactic Acid) Blends during Cooling and Heating Processes. <i>Kobunshi Ronbunshu</i> , <b>2015</b> , 72, 141-148	0	1
202	Stereocomplex crystallization and homo-crystallization of enantiomeric substituted poly(lactic acid)s, poly(2-hydroxy-3-methylbutanoic acid)s. <i>Polymer</i> , <b>2015</b> , 69, 186-192	3.9	23
201	Stereocomplexation of quaternary or ternary monomer units and dual stereocomplexation in enantiomeric binary and quaternary polymer blends of poly(2-hydroxybutanoic acid)s, poly(2-hydroxybutanoic acid-co-lactic acid)s, and poly(lactic acid)s. <i>RSC Advances</i> , <b>2015</b> , 5, 83331-83342	3.7	16
200	Hydrolytic degradation and crystallization behavior of linear 2-armed and star-shaped 4-armed poly(l-lactide)s: Effects of branching architecture and crystallinity. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	11
199	Accelerated Stereocomplex Crystallization of Poly(L-lactide)/Poly(D-lactide) Blends by Long Terminal Linear Alkyl Groups. <i>Macromolecular Materials and Engineering</i> , <b>2015</b> , 300, 391-402	3.9	8
198	Hetero-stereocomplex formation between substituted poly(lactic acid)s with linear and branched side chains, poly(l-2-hydroxybutanoic acid) and poly(d-2-hydroxy-3-methylbutanoic acid). <i>Polymer</i> , <b>2014</b> , 55, 721-726	3.9	25
197	Long terminal linear alkyl group as internal crystallization accelerating moiety of poly(l-lactide). <i>Polymer</i> , <b>2014</b> , 55, 4786-4798	3.9	12
196	Precursors in stereo-complex crystals of poly(L-lactic acid)/poly(D-lactic acid) blends under shear flow. <i>Journal of Applied Crystallography</i> , <b>2014</b> , 47, 14-21	3.8	41
195	Crystallization Behavior of Stereo Diblock Poly(Lactide)s with Relatively Short Poly(D-Lactide) Segment from Partially Melted State. <i>Macromolecular Materials and Engineering</i> , <b>2014</b> , 299, 1089-1105	3.9	21
194	Hetero-Stereocomplex Crystallization between Star-Shaped 4-Arm Poly(l-2-hydroxybutanoic acid) and Poly(d-lactic acid) from the Melt. <i>Macromolecular Chemistry and Physics</i> , <b>2014</b> , 215, 1879-1888	2.6	13
193	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> , <b>2014</b> , 55, 6444-6450	3.9	32
192	Relatively Short Poly(D-lactide) Segments as Intra-Crystallization-Accelerating Moieties in Stereo Diblock Poly(lactide)s. <i>Macromolecular Materials and Engineering</i> , <b>2014</b> , 299, 430-435	3.9	11

191	Hydrolytic degradation of linear 2-arm and branched 4-arm poly(dl-lactide)s: Effects of branching and terminal hydroxyl groups. <i>Polymer Degradation and Stability</i> , <b>2014</b> , 102, 59-66	4.7	10
190	Highly enhanced accelerating effect of melt-recrystallized stereocomplex crystallites on poly(L-lactic acid) crystallization: effects of molecular weight of poly(D-lactic acid). <i>Polymer International</i> , <b>2013</b> , 62, 936-948	3.3	24
189	Poly(Lactic Acid) <b>2013</b> , 171-239		24
188	Stereocomplex Crystallization Behavior and Physical Properties of Linear 1-Arm, 2-Arm, and Branched 4-Arm Poly(L-lactide)/Poly(D-lactide) Blends: Effects of Chain Directional Change and Branching. <i>Macromolecular Chemistry and Physics</i> , <b>2013</b> , 214, 776-786	2.6	60
187	Physical Properties, Crystallization, and Thermal/Hydrolytic Degradation of Poly(L-lactide)/Nano/Micro-Diamond Composites. <i>Macromolecular Materials and Engineering</i> , <b>2013</b> , 298, 1149-1159	3.9	13
186	Hydrolytic degradation behavior of stereo multiblock and diblock poly(lactic acid)s: Effects of block lengths. <i>Polymer Degradation and Stability</i> , <b>2013</b> , 98, 709-719	4.7	34
185	Crystallization behavior and physical properties of linear 2-arm and branched 4-arm poly(l-lactide)s: Effects of branching. <i>Polymer</i> , <b>2013</b> , 54, 2422-2434	3.9	59
184	Isothermal crystallization and spherulite growth behavior of stereo multiblock poly(lactic acid)s: Effects of block length. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 129, 2502-2517	2.9	46
183	Ternary stereocomplex crystallization of poly(l-2-hydroxybutanoic acid), poly(d-2-hydroxybutanoic acid), and poly(d-lactic acid) from the melt. <i>Polymer</i> , <b>2013</b> , 54, 2190-2198	3.9	15
182	Highly Enhanced Accelerating Effect of Melt-Recrystallized Stereocomplex Crystallites on Poly(L-lactic acid) Crystallization, Effects of Poly(D-lactic acid) Concentration. <i>Macromolecular Materials and Engineering</i> , <b>2013</b> , 298, 270-282	3.9	38
181	Nitrate removal properties of solid-phase denitrification processes using acid-blended poly(L-lactic acid) as the sole substrate. <i>Journal of Physics: Conference Series</i> , <b>2013</b> , 433, 012036	0.3	1
180	Synchronous and separate homo-crystallization of enantiomeric poly(l-lactic acid)/poly(d-lactic acid) blends. <i>Polymer</i> , <b>2012</b> , 53, 747-754	3.9	58
179	Heterostereocomplex Crystallization and Homocrystallization From the Melt in Blends of Substituted and Unsubstituted Poly(lactide)s. <i>Macromolecular Chemistry and Physics</i> , <b>2012</b> , 213, 2573-2581	3.6	19
178	Macromol. Chem. Phys. 20/2012. <i>Macromolecular Chemistry and Physics</i> , <b>2012</b> , 213, 2204-2204	2.6	
177	Photodegradation of Poly(lactic acid) Stereocomplex by UV-Irradiation. <i>Journal of Polymers and the Environment</i> , <b>2012</b> , 20, 706-712	4.5	14
176	Separate Crystallization and Cocrystallization of Poly(L-lactide) in the Presence of L-Lactide-Based Copolymers With Low Crystallizability, Poly(L-lactide-co-glycolide) and Poly(L-lactide-co-D-lactide). <i>Macromolecular Chemistry and Physics</i> , <b>2012</b> , 213, 2099-2112	2.6	20
175	Synthesis and Characterization of Stereo Multiblock Poly(lactic acid)s with Different Block Lengths by Melt Polycondensation of Poly(L-lactic acid)/Poly(D-lactic acid) Blends. <i>Macromolecular Reaction Engineering</i> , <b>2012</b> , 6, 446-457	1.5	29
174	Stereocomplex crystallization and homo-crystallization of enantiomeric poly(2-hydroxybutyrate)s: Effects of molecular weight and crystallization conditions. <i>Polymer</i> , <b>2012</b> , 53, 5385-5392	3.9	26

173	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-lactic acid). <i>ACS Macro Letters</i> , <b>2012</b> , 1, 687-691	6.6	32
172	Effects of Molar Mass of Poly(l-lactide acid) on the Crystallization of Poly[(R)-3-hydroxybutyrate] in Their Ultrathin Blend Films. <i>Macromolecules</i> , <b>2012</b> , 45, 2485-2493	5.5	18
171	Stereocomplex formation between poly(L-lactic acid) and poly(D-lactic acid) with disproportionately low and high molecular weights from the melt. <i>Polymer International</i> , <b>2012</b> , 61, 442-450	4.3	42
170	Hydrolytic degradation of poly(L-lactic acid): Combined effects of UV treatment and crystallization. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 125, 2394-2406	2.9	22
169	Synthesis and Hydrolytic Degradation of Substituted Poly(DL-Lactic Acid)s. <i>Materials</i> , <b>2011</b> , 4, 1384-1398	3.5	28
168	Nitrate removal efficiency and bacterial community dynamics in denitrification processes using poly(L-lactic acid) as the solid substrate. <i>Microbes and Environments</i> , <b>2011</b> , 26, 212-9	2.6	32
167	Crystallization and hydrolytic/thermal degradation of a novel stereocomplexationable blend of poly(L-2-hydroxybutyrate) and poly(D-2-hydroxybutyrate). <i>Polymer Journal</i> , <b>2011</b> , 43, 317-324	2.7	37
166	Hydrolytic degradation and thermal properties of linear 1-arm and 2-arm poly(dl-lactic acid)s: Effects of coinitiator-induced molecular structural difference. <i>Polymer Degradation and Stability</i> , <b>2011</b> , 96, 2229-2236	4.7	10
165	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> , <b>2011</b> , 4, 255-60	4.1	85
164	Enhanced Stereocomplex Crystallization of Biodegradable Enantiomeric Poly(lactic acid)s by Repeated Casting. <i>Macromolecular Materials and Engineering</i> , <b>2011</b> , 296, 583-589	3.9	81
163	Highly Enhanced Nucleating Effect of Melt-Recrystallized Stereocomplex Crystallites on Poly(L-lactic acid) Crystallization. <i>Macromolecular Materials and Engineering</i> , <b>2011</b> , 296, 887-893	3.9	63
162	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> , <b>2011</b> , 122, 321-333	3.9	32
161	Hetero-stereocomplex formation of stereoblock copolymer of substituted and non-substituted poly(lactide)s. <i>Polymer</i> , <b>2011</b> , 52, 1318-1325	3.9	35
160	Enzymatic Degradation <b>2010</b> , 383-399		3
159	Biodegradation <b>2010</b> , 423-430		8
158	Structure and Properties of Stereocomplex-Type Poly(Lactic Acid) <b>2010</b> , 59-65		5
157	Chemical Structure of Poly(Lactic Acid) <b>2010</b> , 67-82		8
156	Heterostereocomplexation between biodegradable and optically active polyesters as a versatile preparation method for biodegradable materials. <i>Biomacromolecules</i> , <b>2010</b> , 11, 252-8	6.9	61



155	Thermal Degradation <b>2010</b> , 401-412	11
154	Optical Properties <b>2010</b> , 97-112	31
153	Poly(Lactic Acid)/Starch Blends <b>2010</b> , 217-226	4
152	Foaming <b>2010</b> , 273-291	4
151	Processing of Poly(Lactic Acid) <b>2010</b> , 189-215	11
150	Chemical Compatibility of Poly(Lactic Acid): A Practical Framework Using Hansen Solubility Parameters <b>2010</b> , 83-95	13
149	Permeation, Sorption, and Diffusion in Poly(Lactic Acid) <b>2010</b> , 155-179	15
148	Cradle to Gate Environmental Footprint and Life Cycle Assessment of Poly(Lactic Acid) <b>2010</b> , 431-441	6
147	Production and Purification of Lactic Acid and Lactide <b>2010</b> , 1-18	16
146	Rheology of Poly(Lactic Acid) <b>2010</b> , 125-139	15
145	Poly(Lactic Acid) Blends <b>2010</b> , 227-271	9
144	Nanocomposites <b>2010</b> , 311-322	3
143	Chemistry and Thermodynamic Properties of Lactic Acid and Lactide and Solvent Miscibility <b>2010</b> , 19-25	2
142	Spinning of Poly(Lactic Acid) Fibers <b>2010</b> , 323-341	6
141	Hydrolytic Degradation <b>2010</b> , 343-381	20
140	Medical Applications <b>2010</b> , 443-456	13
139	Packaging and Other Commercial Applications <b>2010</b> , 457-467	20
138	Textile Applications <b>2010</b> , 469-476	10

137	Industrial Production of High Molecular Weight Poly(Lactic Acid) <b>2010</b> , 27-41		39
136	Environmental Applications <b>2010</b> , 477-486		6
135	Design and Synthesis of Different Types of Poly(Lactic Acid) <b>2010</b> , 43-58		10
134	Crystallization and Thermal Properties <b>2010</b> , 113-124		20
133	Water Vapor Permeability of Poly(L-lactide)/Poly(D-lactide) Stereocomplexes. <i>Macromolecular Materials and Engineering</i> , <b>2010</b> , 295, 709-715	3.9	63
132	Accelerated hydrolytic degradation of Poly(l-lactide)/Poly(d-lactide) stereocomplex up to late stage. <i>Polymer Degradation and Stability</i> , <b>2010</b> , 95, 477-484	4.7	48
131	Solid-state <sup>13</sup> 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> , <b>2010</b> , 51, 2215-2220	3.9	39
130	Stereocomplex crystallization and spherulite growth behavior of poly(l-lactide)-b-poly(d-lactide) stereodiblock copolymers. <i>Polymer</i> , <b>2010</b> , 51, 4937-4947	3.9	66
129	<b>2010</b> ,		401
128	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> , <b>2009</b> , 210, 993-1002	2.6	70
127	Enhanced crystallization of poly(L-lactide-co-ε-caprolactone) in the presence of water. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 112, 715-720	2.9	11
126	Accelerated crystallization of poly(L-lactide) by physical aging. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 116, n/a-n/a	2.9	6
125	Crystallization, spherulite growth, and structure of blends of crystalline and amorphous poly(lactide)s. <i>Polymer</i> , <b>2009</b> , 50, 4007-4017	3.9	101
124	Stereocomplex Formation between Enantiomeric Substituted Poly(lactide)s: Blends of Poly[(S)-2-hydroxybutyrate] and Poly[(R)-2-hydroxybutyrate]. <i>Macromolecules</i> , <b>2009</b> , 42, 7263-7266	5.5	64
123	Biodegradable polyesters as crystallization-accelerating agents of poly(l-lactide). <i>ACS Applied Materials &amp; Interfaces</i> , <b>2009</b> , 1, 1719-30	9.5	60
122	Stereocomplexation Between Enantiomeric Poly(lactide)s <b>2009</b> , 163-190		4
121	Disorder-to-Order Phase Transition and Multiple Melting Behavior of Poly(l-lactide) Investigated by Simultaneous Measurements of WAXD and DSC. <i>Macromolecules</i> , <b>2008</b> , 41, 1352-1357	5.5	622
120	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> , <b>2008</b> , 93, 1956-1963	4.7	60

119	Polyglycolide as a Biodegradable Nucleating Agent for Poly(L-lactide). <i>Macromolecular Materials and Engineering</i> , <b>2008</b> , 293, 947-951	3.9	55
118	Stereoselective Interaction between Isotactic and Optically Active Poly(lactic acid) and Phenyl-Substituted Poly(lactic acid). <i>Macromolecular Rapid Communications</i> , <b>2008</b> , 29, 1372-1377	4.8	18
117	Synthesis, physical properties, and crystallization of optically active poly(L-phenyllactic acid) and poly(L-phenyllactic acid-co-L-lactic acid). <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 110, 3954-3962	2.9	36
116	Crystallization behavior of linear 1-arm and 2-arm poly(l-lactide)s: Effects of coinitiators. <i>Polymer</i> , <b>2008</b> , 49, 1385-1397	3.9	52
115	Hydrolytic Degradation and Monomer Recovery of Poly(butylene succinate) and Poly(butylene succinate/adipate) in the Melt. <i>Macromolecular Reaction Engineering</i> , <b>2008</b> , 2, 522-528	1.5	11
114	Degradation Mechanism and Rate of Biomass Derived Poly (lactic acid). <i>Journal of the Japan Society of Colour Material</i> , <b>2008</b> , 81, 54-60	0	
113	Investigation of Phase Transitional Behavior of Poly(l-lactide)/Poly(d-lactide) Blend Used to Prepare the Highly-Oriented Stereocomplex. <i>Macromolecules</i> , <b>2007</b> , 40, 1049-1054	5.5	192
112	Effect of P(LLA-CL) Blending on the Mechanical Properties of PLLA/PCL. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , <b>2007</b> , 56, 211-216	0.1	1
111	Enzymatic degradation of poly(L-lactic acid) fibers: Effects of small drawing. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 103, 2064-2071	2.9	9
110	Melt-processed biodegradable polyester blends of poly(L-lactic acid) and poly(ε-caprolactone): Effects of processing conditions on biodegradation. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 104, 831-847	2.9	21
109	New Strategy for Controlling Biodegradability of Biodegradable Polyesters by Enzyme-Catalyzed Surface Grafting. <i>Macromolecular Rapid Communications</i> , <b>2007</b> , 28, 1651-1656	4.8	15
108	Poly(l-lactide)/nano-structured carbon composites: Conductivity, thermal properties, crystallization, and biodegradation. <i>Polymer</i> , <b>2007</b> , 48, 4213-4225	3.9	134
107	Poly(L-lactide)/C60 nanocomposites: Effects of C60 on crystallization of poly(L-lactide). <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2007</b> , 45, 2167-2176	2.6	20
106	Porous biodegradable polyester blends of poly(L-lactic acid) and poly(ε-caprolactone): physical properties, morphology, and biodegradation. <i>Polymer International</i> , <b>2007</b> , 56, 258-266	3.3	34
105	Effect of LTI Blending on Fracture Properties of PLA/PCL Polymer Blend. <i>Journal of Solid Mechanics and Materials Engineering</i> , <b>2007</b> , 1, 1157-1164		7
104	Novel preparation method for poly(L-lactide)-based block copolymers: extended chain crystallites as a solid-state macro-coinitiator. <i>Biomacromolecules</i> , <b>2007</b> , 8, 1730-8	6.9	17
103	Improvement of mechanical properties of bioabsorbable PLLA/PCL polymer blends due to P(LLA-CL) blending(3A2 Cellular & Tissue Engineering & Biomaterials II). <i>The Proceedings of the Asian Pacific Conference on Biomechanics Emerging Science and Technology in Biomechanics</i> , <b>2007</b> , 2007.3, S175		
102	Isothermal and non-isothermal crystallization behavior of poly(l-lactic acid): Effects of stereocomplex as nucleating agent. <i>Polymer</i> , <b>2006</b> , 47, 3826-3837	3.9	305

101	Effects of rapid crystallization on hydrolytic degradation and mechanical properties of poly(l-lactide-co-ε-caprolactone). <i>Reactive and Functional Polymers</i> , <b>2006</b> , 66, 1362-1372	4.6	40
100	Water vapor permeability of poly(lactide)s: Effects of molecular characteristics and crystallinity. <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 99, 2245-2252	2.9	105
99	Non-Isothermal Crystallization Behavior of Poly(L-lactic acid) in the Presence of Various Additives. <i>Macromolecular Materials and Engineering</i> , <b>2006</b> , 291, 325-335	3.9	126
98	Hydrolytic Degradation of Amorphous Films of L-Lactide Copolymers with Glycolide and D-Lactide. <i>Macromolecular Materials and Engineering</i> , <b>2006</b> , 291, 357-368	3.9	33
97	Enzymatic Degradation of Biodegradable Polyester Composites of Poly(L-lactic acid) and Poly(ε-caprolactone). <i>Macromolecular Materials and Engineering</i> , <b>2006</b> , 291, 1245-1254	3.9	28
96	Electrospinning of poly(lactic acid) stereocomplex nanofibers. <i>Biomacromolecules</i> , <b>2006</b> , 7, 3316-20	6.9	154
95	Crystallization behaviors of poly(3-hydroxybutyrate) and poly(l-lactic acid) in their immiscible and miscible blends. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 24463-71	3.4	74
94	Molecular weight dependence of the poly(L-lactide)/poly(D-lactide) Stereocomplex at the air-water interface. <i>Biomacromolecules</i> , <b>2006</b> , 7, 2728-35	6.9	28
93	Enzymatic, alkaline, and autocatalytic degradation of poly(L-lactic acid): effects of biaxial orientation. <i>Biomacromolecules</i> , <b>2006</b> , 7, 380-7	6.9	54
92	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> , <b>2006</b> , 242, 274-278	6.8	121
91	Improvement of Fracture Properties of PLA/PCL Polymer Blends by Control of Phase Structures. <i>Kobunshi Ronbunshu</i> , <b>2006</b> , 63, 626-632	0	3
90	Effect of Additive on Fracture Properties of PLA/PCL Polymer Blend. <i>Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A</i> , <b>2006</b> , 72, 173-178		4
89	Photodegradation of biodegradable polyesters: A comprehensive study on poly(l-lactide) and poly(ε-caprolactone). <i>Polymer Degradation and Stability</i> , <b>2006</b> , 91, 1128-1137	4.7	120
88	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> , <b>2006</b> , 91, 1665-1673	4.7	92
87	Enzymatic Degradation of Poly(l-Lactic Acid): Effects of UV Irradiation. <i>Journal of Polymers and the Environment</i> , <b>2006</b> , 14, 239-248	4.5	49
86	Effect of LTI content on impact fracture property of PLA/PCL/LTI polymer blends. <i>Journal of Materials Science</i> , <b>2006</b> , 41, 6501-6504	4.3	41
85	Recycling of poly lactic acid into lactic acid with high temperature and high pressure water. <i>WIT Transactions on Ecology and the Environment</i> , <b>2006</b> ,	1	10
84	Crystal Modifications and Thermal Behavior of Poly(l-lactic acid) Revealed by Infrared Spectroscopy. <i>Macromolecules</i> , <b>2005</b> , 38, 8012-8021	5.5	674

83	Infrared Spectroscopic Study of CH <sub>3</sub> OC Interaction during Poly(l-lactide)/Poly(d-lactide) Stereocomplex Formation. <i>Macromolecules</i> , <b>2005</b> , 38, 1822-1828	5.5	277
82	Physical properties, crystallization, and spherulite growth of linear and 3-arm poly(L-lactide)s. <i>Biomacromolecules</i> , <b>2005</b> , 6, 244-54	6.9	130
81	Fracture properties of bioabsorbable HA/PLLA/PCL composite material <b>2005</b> ,		3
80	Hydrolytic degradation of poly( $\epsilon$ -caprolactone) in the melt. <i>Polymer Degradation and Stability</i> , <b>2005</b> , 89, 336-343	4.7	20
79	Hydrolytic degradation of poly[(R)-3-hydroxybutyric acid] in the melt. <i>Polymer</i> , <b>2005</b> , 46, 2157-2162	3.9	25
78	Spherulite growth of l-lactide copolymers: Effects of tacticity and comonomers. <i>Polymer</i> , <b>2005</b> , 46, 4917-4927	3.9	114
77	Differences in the CH <sub>3</sub> 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> , <b>2005</b> , 735-736, 249-257	3.4	78
76	Physical properties and enzymatic hydrolysis of poly(L-lactide)/TiO <sub>2</sub> composites. <i>Journal of Applied Polymer Science</i> , <b>2005</b> , 96, 190-199	2.9	41
75	Alkaline and enzymatic degradation of L-lactide copolymers, 1. Amorphous-made films of L-lactide copolymers with D-lactide, glycolide, and epsilon-caprolactone. <i>Macromolecular Bioscience</i> , <b>2005</b> , 5, 135-148	5.5	58
74	Poly(lactide) stereocomplexes: formation, structure, properties, degradation, and applications. <i>Macromolecular Bioscience</i> , <b>2005</b> , 5, 569-97	5.5	1069
73	Back Cover: Macromol. Biosci. 7/2005. <i>Macromolecular Bioscience</i> , <b>2005</b> , 5, 680-680	5.5	
72	Photodegradation of Poly(L-lactic acid): Effects of Photosensitizer. <i>Macromolecular Materials and Engineering</i> , <b>2005</b> , 290, 1192-1203	3.9	25
71	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> , <b>2005</b> , 43, 1064-1075	2.6	55
70	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> , <b>2004</b> , 5, 1181-6	6.9	166
69	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> , <b>2004</b> , 84, 515-523	4.7	81
68	In vitro hydrolysis of poly(l-lactide) crystalline residues as extended-chain crystallites: III. Effects of pH and enzyme. <i>Polymer Degradation and Stability</i> , <b>2004</b> , 85, 647-656	4.7	58
67	In vitro hydrolysis of poly(L-lactide) crystalline residues as extended-chain crystallites. Part I: long-term hydrolysis in phosphate-buffered solution at 37 degrees C. <i>Biomaterials</i> , <b>2004</b> , 25, 5449-55	15.6	72
66	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> , <b>2004</b> , 37, 6433-6439	5.5	217

65	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> , <b>2004</b> , 108, 11514-11520	3.4	157
64	In vitro hydrolysis of poly(l-lactide) crystalline residues as extended-chain crystallites: II. Effects of hydrolysis temperature. <i>Biomacromolecules</i> , <b>2004</b> , 5, 1021-8	6.9	43
63	Depolymerization of Poly (L-lactic acid) under Hydrothermal Conditions. <i>Kobunshi Ronbunshu</i> , <b>2004</b> , 61, 561-566	0	22
62	Effect of Hydrolysis on Fracture Behavior of Poly(L-lactide). <i>Kobunshi Ronbunshu</i> , <b>2003</b> , 60, 644-651	0	16
61	Environmental Degradation of Biodegradable Polyesters: 3. Effects of Alkali Treatment on Biodegradation of Poly( $\epsilon$ -Caprolactone) and Poly[(R)-3-Hydroxybutyrate] Films in Controlled Soil. <i>Journal of Polymers and the Environment</i> , <b>2003</b> , 11, 57-65	4.5	21
60	Surface Hydrophilicities and Enzymatic Hydrolyzability of Biodegradable Polyesters, 2. <i>Macromolecular Bioscience</i> , <b>2003</b> , 3, 51-58	5.5	22
59	Blends of aliphatic polyesters. VIII. Effects of poly(L-lactide-co- $\epsilon$ -caprolactone) on enzymatic hydrolysis of poly(L-lactide), poly( $\epsilon$ -caprolactone), and their blend films. <i>Journal of Applied Polymer Science</i> , <b>2003</b> , 87, 412-419	2.9	47
58	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> , <b>2003</b> , 87, 1628-1633	2.9	56
57	Environmental degradation of biodegradable polyesters. IV. The effects of pores and surface hydrophilicity on the biodegradation of poly( $\epsilon$ -caprolactone) and poly[(R)-3-hydroxybutyrate] films in controlled seawater. <i>Journal of Applied Polymer Science</i> , <b>2003</b> , 90, 587-593	2.9	24
56	Degradation of poly(d-lactic acid) by a thermophile. <i>Polymer Degradation and Stability</i> , <b>2003</b> , 81, 167-171	4.7	42
55	Poly(l-lactide) XI. Lactide formation by thermal depolymerisation of poly(l-lactide) in a closed system. <i>Polymer Degradation and Stability</i> , <b>2003</b> , 81, 501-509	4.7	42
54	In vitro hydrolysis of blends from enantiomeric poly(lactide)s. Part 4: well-homo-crystallized blend and nonblended films. <i>Biomaterials</i> , <b>2003</b> , 24, 537-47	15.6	127
53	Enhanced thermal stability of poly(lactide)s in the melt by enantiomeric polymer blending. <i>Polymer</i> , <b>2003</b> , 44, 2891-2896	3.9	238
52	Part 7. Effects of poly(L-lactide-co- $\epsilon$ -caprolactone) on morphology, structure, crystallization, and physical properties of blends of poly(L-lactide) and poly( $\epsilon$ -caprolactone). <i>Polymer International</i> , <b>2003</b> , 52, 269-275	3.3	88
51	Surface hydrophilicity and enzymatic hydrolyzability of biodegradable polyesters: 1. effects of alkaline treatment. <i>Polymer International</i> , <b>2003</b> , 52, 843-852	3.3	47
50	A new strategy for recycling and preparation of poly(L-lactic acid): hydrolysis in the melt. <i>Biomacromolecules</i> , <b>2003</b> , 4, 835-40	6.9	112
49	In vitro hydrolysis of blends from enantiomeric poly(lactide)s. 3. Homocrystallized and amorphous blend films. <i>Biomacromolecules</i> , <b>2003</b> , 4, 7-11	6.9	66
48	Study on Fracture Properties of Bioabsorbable Polymer Blend. <i>Proceedings of the 1992 Annual Meeting of JSME/MMD</i> , <b>2003</b> , 2003, 663-664		2

47	Poly(L-lactide). IX. Hydrolysis in acid media. <i>Journal of Applied Polymer Science</i> , <b>2002</b> , 86, 186-194	2.9	96
46	Autocatalytic hydrolysis of amorphous-made polylactides: effects of l-lactide content, tacticity, and enantiomeric polymer blending. <i>Polymer</i> , <b>2002</b> , 43, 1789-1796	3.9	184
45	Environmental degradation of biodegradable polyesters 2. Poly( $\epsilon$ -caprolactone), poly[(R)-3-hydroxybutyrate], and poly(L-lactide) films in natural dynamic seawater. <i>Polymer Degradation and Stability</i> , <b>2002</b> , 75, 357-365	4.7	78
44	Environmental degradation of biodegradable polyesters 1. Poly( $\epsilon$ -caprolactone), poly[(R)-3-hydroxybutyrate], and poly(L-lactide) films in controlled static seawater. <i>Polymer Degradation and Stability</i> , <b>2002</b> , 75, 347-355	4.7	164
43	Physical properties and enzymatic hydrolysis of poly(L-lactide)/CaCO <sub>3</sub> composites. <i>Polymer Degradation and Stability</i> , <b>2002</b> , 78, 119-127	4.7	32
42	Polylactides <b>2002</b> ,		18
41	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> , <b>2001</b> , 42, 4463-4467	3.9	108
40	Poly(l-lactide): VI Effects of crystallinity on enzymatic hydrolysis of poly(l-lactide) without free amorphous region. <i>Polymer Degradation and Stability</i> , <b>2001</b> , 71, 415-424	4.7	142
39	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> , <b>2001</b> , 71, 403-413	4.7	82
38	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> , <b>2001</b> , 79, 1582-1589	2.9	56
37	Porous biodegradable polyesters. II. Physical properties, morphology, and enzymatic and alkaline hydrolysis of porous poly( $\epsilon$ -caprolactone) films. <i>Journal of Applied Polymer Science</i> , <b>2001</b> , 80, 2281-2291	2.9	37
36	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> , <b>2001</b> , 81, 2151-2160	2.9	62
35	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> , <b>2001</b> , 286, 398-406	3.9	86
34	Porous Biodegradable Polyesters, 3. Preparation of Porous Poly( $\epsilon$ -caprolactone) Films from Blends by Selective Enzymatic Removal of Poly(L-lactide). <i>Macromolecular Bioscience</i> , <b>2001</b> , 1, 59-65	5.5	73
33	Enzymatic hydrolysis of poly(lactide)s: effects of molecular weight, L-lactide content, and enantiomeric and diastereoisomeric polymer blending. <i>Biomacromolecules</i> , <b>2001</b> , 2, 597-604	6.9	135
32	Blends of aliphatic polyesters. VI. Lipase-catalyzed hydrolysis and visualized phase structure of biodegradable blends from poly( $\epsilon$ -caprolactone) and poly(L-lactide). <i>International Journal of Biological Macromolecules</i> , <b>2001</b> , 29, 83-9	7.9	66
31	In Vitro Hydrolysis of Blends from Enantiomeric Poly(lactide)s. 2. Well-Stereocomplexed Fiber and Film.. <i>Journal of Fiber Science and Technology</i> , <b>2001</b> , 57, 198-202	0	16
30	Biodegradable polyesters for medical and ecological applications. <i>Macromolecular Rapid Communications</i> , <b>2000</b> , 21, 117-132	4.8	1245

29	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> , <b>2000</b> , 75, 629-637	2.9	67
28	Enhanced crystallization of poly(L-lactide-co- $\epsilon$ -caprolactone) during storage at room temperature. <i>Journal of Applied Polymer Science</i> , <b>2000</b> , 76, 947-953	2.9	57
27	Properties and morphology of poly(L-lactide). III. Effects of initial crystallinity on long-term in vitro hydrolysis of high molecular weight poly(L-lactide) film in phosphate-buffered solution. <i>Journal of Applied Polymer Science</i> , <b>2000</b> , 77, 1452-1464	2.9	221
26	In vitro hydrolysis of blends from enantiomeric poly(lactide)s Part 1. Well-stereo-complexed blend and non-blended films. <i>Polymer</i> , <b>2000</b> , 41, 3621-3630	3.9	165
25	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> , <b>2000</b> , 67, 179-189	4.7	239
24	Biodegradable polyesters for medical and ecological applications <b>2000</b> , 21, 117		1
23	Biodegradable polyesters for medical and ecological applications <b>2000</b> , 21, 117		3
22	Biodegradable polyesters for medical and ecological applications <b>2000</b> , 21, 117		19
21	Properties and morphology of poly(L-lactide). II. Hydrolysis in alkaline solution. <i>Journal of Polymer Science Part A</i> , <b>1998</b> , 36, 59-66	2.5	179
20	Blends of aliphatic polyesters. II. Hydrolysis of solution-cast blends from poly(L-lactide) and poly( $\epsilon$ -caprolactone) in phosphate-buffered solution. <i>Journal of Applied Polymer Science</i> , <b>1998</b> , 67, 405-413	2.9	267
19	Blends of aliphatic polyesters. III. Biodegradation of solution-cast blends from poly(L-lactide) and poly( $\epsilon$ -caprolactone). <i>Journal of Applied Polymer Science</i> , <b>1998</b> , 70, 2259-2268	2.9	108
18	Blends of crystalline and amorphous poly(lactide). III. Hydrolysis of solution-cast blend films. <i>Journal of Applied Polymer Science</i> , <b>1997</b> , 63, 855-863	2.9	100
17	Crystallization from the melt of poly(lactide)s with different optical purities and their blends. <i>Macromolecular Chemistry and Physics</i> , <b>1996</b> , 197, 3483-3499	2.6	306
16	Blends of aliphatic polyesters. I. Physical properties and morphologies of solution-cast blends from poly(DL-lactide) and poly( $\epsilon$ -caprolactone). <i>Journal of Applied Polymer Science</i> , <b>1996</b> , 60, 2367-2375	2.9	181
15	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> , <b>1996</b> , 37, 595-602	3.9	111
14	Properties and morphologies of poly(L-lactide): 1. Annealing condition effects on properties and morphologies of poly(L-lactide). <i>Polymer</i> , <b>1995</b> , 36, 2709-2716	3.9	423
13	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> , <b>1995</b> , 58, 1793-1802	2.9	48
12	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> , <b>1994</b> , 51, 337-344	2.9	132



11	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> , <b>1994</b> , 53, 1061-1071	2.9	46
10	Stereocomplex formation between enantiomeric poly(lactic acids). 9. Stereocomplexation from the melt. <i>Macromolecules</i> , <b>1993</b> , 26, 6918-6926	5.5	346
9	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> , <b>1992</b> , 25, 4114-4118	5.5	163
8	Stereocomplex formation between enantiomeric poly(lactic acid)s. 6. Binary blends from copolymers. <i>Macromolecules</i> , <b>1992</b> , 25, 5719-5723	5.5	197
7	Stereocomplex formation between enantiomeric poly(lactic acids). 5. Calorimetric and morphological studies on the stereocomplex formed in acetonitrile solution. <i>Macromolecules</i> , <b>1992</b> , 25, 2940-2946	5.5	134
6	Stereocomplex formation between enantiomeric poly(lactic acid)s. 3. Calorimetric studies on blend films cast from dilute solution. <i>Macromolecules</i> , <b>1991</b> , 24, 5651-5656	5.5	303
5	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> , <b>1991</b> , 24, 5657-5662	5.5	198
4	Stereocomplex formation between enantiomeric poly(lactic acid)s. 2. Stereocomplex formation in concentrated solutions. <i>Macromolecules</i> , <b>1991</b> , 24, 2719-2724	5.5	205
3	Crystal structure of stereocomplex of poly(L-lactide) and poly(D-lactide). <i>Journal of Macromolecular Science - Physics</i> , <b>1991</b> , 30, 119-140	1.4	299
2	Stereocomplex formation between enantiomeric poly(lactides). <i>Macromolecules</i> , <b>1987</b> , 20, 904-906	5.5	1133
1	Photodegradation and Radiation Degradation 413-421		5