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Enhanced stereocomplex formation of poly(L-lactic acid) and poly(D-lactic acid) in the presence of stereoblock poly(lactic acid)

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104	An efficient solid-state polycondensation method for synthesizing stereocomplexed poly(lactic acid)s with high molecular weight. 2008 , 46, 3714-3722	99
103	Unique crystallization behavior of poly(l-lactide)/poly(d-lactide) stereocomplex depending on initial melt states. 2008 , 49, 5670-5675	107
102	Stereocomplex Crystallization and Spherulite Growth of Low Molecular Weight Poly(L-lactide) and Poly(D-lactide) from the Melt. 2009 , 210, 993-1002	70
101	Kinetic Analysis on Effect of Poly(4-vinyl phenol) on Complex-Forming Blends of Poly(L-lactide) and Poly(D-lactide). 2009 , 41, 374-382	11
100	Biobased polymer system: miniemulsion of poly(alkyl methacrylate-graft-lactic acid)s. 2009 , 10, 2719-23	29
99	Stereoblock Polylactides as High-Performance Bio-Based Polymers. 2009 , 49, 107-140	130
98	Stereocomplexation Between Enantiomeric Poly(lactide)s. 2009 , 163-190	4
97	A new poly(l-lactide)-grafted graphite oxide composite: Facile synthesis, electrical properties and crystallization behaviors. 2010 , 95, 2619-2627	46
96	Stereocomplex Formation of High-Molecular-Weight Polylactide Using Supercritical Fluid. 2010 , 43, 1137-	1142117
95	Lipase-catalyzed oligomerization and hydrolysis of alkyl lactates: direct evidence in the catalysis mechanism that enantioselection is governed by a deacylation step. 2010 , 11, 2008-15	26
94	Protease-catalyzed oligomerization and hydrolysis of alkyl lactates involving L-enantioselective deacylation step. 2011 , 12, 3833-7	14
93	Highly efficient production of D-lactate by Sporolactobacillus sp. CASD with simultaneous enzymatic hydrolysis of peanut meal. 2011 , 89, 1009-17	105
92	Rational design of peptide nanotubes for varying diameters and lengths. 2011 , 17, 94-9	41
91	Draft genome sequence of Sporolactobacillus inulinus strain CASD, an efficient D-lactic acid-producing bacterium with high-concentration lactate tolerance capability. 2011 , 193, 5864-5	12
90	D-lactic acid production from dry biomass of Hydrodictyon reticulatum by simultaneous saccharification and co-fermentation using Lactobacillus coryniformis subsp. torquens. 2012 , 34, 2235-40	36
89	Biobased polymers: synthesis of graft copolymers and comb polymers using lactic acid macromonomer and properties of the product polymers. 2012 , 13, 3757-68	36
88	Renewable Biobased Polymeric Materials: Facile Synthesis of Itaconic Anhydride-Based Copolymers with Poly(l-lactic acid) Grafts. 2012 , 45, 4166-4174	57

(2014-2012)

87	Stereocomplexation of Poly(l-lactide) and Random Copolymer Poly(d-lactide-co-Laprolactone) To Enhance Melt Stability. 2012 , 45, 4012-4014	55
86	Rapid stereocomplex formation of polylactide using supercritical fluid technology. 2012 , 61, 939-942	28
85	Efficient production of D-(-)-lactic acid from broken rice by Lactobacillus delbrueckii using Ca(OH)2 as a neutralizing agent. 2012 , 104, 791-4	89
84	Biodegradable stereocomplex polylactide having flexible e-caprolactone unit. 2013 , 21, 1036-1041	12
83	d- and l-lactic acid production from fresh sweet potato through simultaneous saccharification and fermentation. 2013 , 81, 40-46	36
82	Green Polymer Chemistry: Recent Developments. 2013 , 141-166	15
81	Efficient production of polymer-grade D-lactate by Sporolactobacillus laevolacticus DSM442 with agricultural waste cottonseed as the sole nitrogen source. 2013 , 142, 186-91	53
80	Melt stability of 8-arms star-shaped stereocomplex polylactide with three-dimensional core structures. 2013 , 98, 1097-1101	23
79	Bio-based production of organic acids with Corynebacterium glutamicum. 2013 , 6, 87-102	135
78	Poly(Lactic Acid). 2013 , 171-239	24
77	Reactions upstream of glycerate-1,3-bisphosphate drive Corynebacterium glutamicum (D)-lactate productivity under oxygen deprivation. 2013 , 97, 6693-703	27
76	. 2013,	16
75	Genome Sequence of Sporolactobacillus terrae DSM 11697, the Type Strain of the Species. 2014 , 2,	3
74	Linear and four-armed poly(l-lactide)-block-poly(d-lactide) copolymers and their stereocomplexation with poly(lactide)s. 2014 , 52, 1560-1567	48
73	Preparation and properties of multi-branched poly(D-lactide) derived from polyglycidol and its stereocomplex blends. 2014 , 8, 779-789	19
72	Green polymer chemistry: lipase-catalyzed synthesis of bio-based reactive polyesters employing itaconic anhydride as a renewable monomer. 2014 , 46, 2-13	40
71	Rheological and thermal properties of stereocomplexed polylactide films. 2014, 115, 2053-2061	20
70	Biodegradable blends of stereocomplex polylactide and lignin by supercritical carbon dioxide-solvent system. 2014 , 22, 74-78	9

69	Two-step production of D-lactate from mixed sugars by growing and resting cells of metabolically engineered Lactobacillus plantarum. 2014 , 98, 4911-8	19
68	Effects of molecular weight and catalyst on stereoblock formation via solid state polycondensation of poly(lactic acid). 2014 , 54, 62-70	7
67	Stereocomplex formation of polylactide using microwave irradiation. 2014 , 63, 741-745	3
66	Enhancing the melt stability of polylactide stereocomplexes using a solid-state cross-linking strategy during a melt-blending process. 2014 , 5, 5985-5993	65
65	Production of optically pure d-lactate from glycerol by engineered Klebsiella pneumoniae strain. 2014 , 172, 269-275	25
64	Investigation of poly(lactide) stereocomplexation between linear poly(L-lactide) and PDLA-PEG-PDLA tri-block copolymer. 2015 , 64, 1399-1407	19
63	Thermal and Mechanical Properties of Biodegradable Star-Shaped/Linear Polylactide Stereocomplexes. 2015 , 2015, 1-9	5
62	Influence of chain extender on thermal properties and melt flow index of stereocomplex PLA. 2015 , 45, 52-57	34
61	Statistical optimization of cassava fibrous waste hydrolysis by response surface methodology and use of hydrolysate based media for the production of optically pure d-lactic acid. 2015 , 102, 82-90	26
60	Effect of lignocellulose-derived inhibitors on the growth and D-lactic acid production of Sporolactobacillus inulinus YBS1-5. 2015 , 38, 1993-2001	20
59	Overexpression of the phosphofructokinase encoding gene is crucial for achieving high production of D-lactate in Corynebacterium glutamicum under oxygen deprivation. 2015 , 99, 4679-89	42
58	Morphological structure, thermal and mechanical properties of tough poly(lactic acid) upon stereocomplexes. 2015 , 71, 314-324	27
57	Favorable formation of stereocomplex crystals in poly(l-lactide)/poly(d-lactide) blends by selective nucleation. 2015 , 76, 98-104	77
56	Thermally stable polylactides by stereocomplex formation and conjugation of both terminals with bio-based cinnamic acid derivatives. 2015 , 5, 91423-91430	12
55	Anti-hydrolysis performance of cured coating films of acrylic polyols with pendant poly(lactic acid)s. 2015 , 78, 183-187	6
54	Recent advances in the metabolic engineering of Corynebacterium glutamicum for the production of lactate and succinate from renewable resources. 2015 , 42, 375-89	27
53	Enhanced production of d-lactic acid by Sporolactobacillus sp.Y2-8 mutant generated by atmospheric and room temperature plasma. 2015 , 62, 287-92	23
52	Powder metallurgy inspired low-temperature fabrication of high-performance stereocomplexed polylactide products with good optical transparency. 2016 , 6, 20260	45

(2017-2016)

51	Carbon Nanotube Grafted Poly(l-lactide)-block-poly(d-lactide) and Its Stereocomplexation with Poly(lactide)s: The Nucleation Effect of Carbon Nanotubes. 2016 , 4, 2660-2669	18
50	Poly(lactic acid) stereocomplexes: A decade of progress. 2016 , 107, 97-135	301
49	Role of carbon nanotube grafted poly(l-lactide)-block-poly(d-lactide) in the crystallization of poly(l-lactic acid)/poly(d-lactic acid) blends: Suppressed homocrystallization and enhanced stereocomplex crystallization. 2016 , 83, 42-52	17
48	Highly efficient production of D-lactic acid from chicory-derived inulin by Lactobacillus bulgaricus. 2016 , 39, 1749-57	13
47	WITHDRAWN: PLA Stereocomplexes: A Decade of Progress. 2016,	2
46	D-Lactic acid production by Sporolactobacillus inulinus YBS1-5 with simultaneous utilization of cottonseed meal and corncob residue. 2016 , 207, 346-52	70
45	Green polymer chemistry: One-pot, metal-free synthesis of macromonomer via direct polycondensation of lactic acid and its radical polymerization to graft and comb polymers. 2016 , 90, 342-350	9
44	Enhanced production of optically pure d[(-)]lactic acid from nutritionally rich Borassus flabellifer sugar and whey protein hydrolysate based-fermentation medium. 2017 , 64, 279-289	25
43	Macromolecular design of specialty polylactides by means of controlled copolymerization and stereocomplexation. 2017 , 66, 260-276	9
42	Supercooling-dependent morphology evolution of an organic nucleating agent in poly(L-lactide)/poly(D-lactide) blends. 2017 , 19, 1648-1657	17
41	Plasticization of biodegradable stereocomplex polylactides with poly(propylene glycol). 2017 , 59, 124-132	2
40	Thermally resistant polylactide layer-by-layer film prepared using an inkjet approach. 2017 , 49, 327-334	8
39	Low-Temperature Sintering of Stereocomplex-Type Polylactide Nascent Powder: Effect of Crystallinity. 2017 , 50, 7611-7619	34
38	Recent Advances in Processing of Stereocomplex-Type Polylactide. 2017 , 38, 1700454	91
37	Stereocomplexation and mechanical properties of polylactide-b-poly(propylene glycol)-b-polylactide blend films: Effects of polylactide block length and blend ratio. 2017 , 35, 1391-1401	3
36	Present Situation and Future Perspectives of Poly(lactic acid). 2017 , 1-25	3
35	Green polymer chemistry: new methods of polymer synthesis using renewable starting materials. 2017 , 28, 461-474	31
34	Production of D-lactate from glucose using Klebsiella pneumoniae mutants. 2017 , 16, 209	6

33	Properties of stereo multi-block polylactides obtained by chain-extension of stereo tri-block polylactides consisting of poly(L-lactide) and poly(D-lactide). 2018 , 25, 1	12
32	A clean approach for potential continuous mass production of high-molecular-weight polylactide fibers with fully stereo-complexed crystallites. 2018 , 176, 151-158	8
31	Cloning and Heterologous Expression of Lactate Dehydrogenase Genes from Acid-Tolerant Lactobacillus acetotolerans HT. 2018 , 24, 861-868	3
30	Low-Temperature Sintering of Stereocomplex-Type Polylactide Nascent Powder: From Compression Molding to Injection Molding. 2018 , 303, 1800178	9
29	Stereocomplex Crystallization between l- and d-Configured Staggered Asymmetric Random Copolymers Based on 2-Hydroxyalkanoic Acids. 2018 , 18, 6009-6019	17
28	Metabolomic and proteomic analysis of D-lactate-producing Lactobacillus delbrueckii under various fermentation conditions. 2018 , 45, 681-696	8
27	Low-temperature sintering of stereocomplex-type polylactide nascent powder: The role of optical purity in directing the chain interdiffusion and cocrystallization across the particle interfaces. 2018 , 150, 169-176	17
26	Monte Carlo simulations of stereocomplex formation in multiblock copolymers. 2019 , 21, 13296-13303	15
25	Stereocomplex Formation between Enantiomeric Alternating Lactic Acid-Based Copolymers as a Versatile Method for the Preparation of High Performance Biobased Biodegradable Materials. 2019 , 1, 1476-1484	19
24	Simultaneous stereocomplex cocrystallization from coexisting two types of stereocomplexationable poly(lactide) systems. 2019 , 21, 3158-3169	3
23	Metabolic engineering of Corynebacterium glutamicum for hyperproduction of polymer-grade L-and D-lactic acid. 2019 , 103, 3381-3391	15
22	Toward Supertough and Heat-Resistant Stereocomplex-Type Polylactide/Elastomer Blends with Impressive Melt Stability via in Situ Formation of Graft Copolymer during One-Pot Reactive Melt Blending. 2019 , 52, 1718-1730	56
21	Steps Toward High-Performance PLA: Economical Production of d-Lactate Enabled by a Newly Isolated Sporolactobacillus terrae Strain. 2019 , 14, e1800656	9
20	Stereocomplex-type polylactide with bimodal melting temperature distribution: Toward desirable melt-processability and thermomechanical performance. 2019 , 169, 21-28	17
19	Enhanced production of d-lactate from mixed sugars in Corynebacterium glutamicum by overexpression of glycolytic genes encoding phosphofructokinase and triosephosphate isomerase. 2019 , 127, 288-293	11
18	A promising strategy for fabricating high-performance stereocomplex-type polylactide products via carbon nanotubes-assisted low-temperature sintering. 2019 , 162, 50-57	23
17	Green and High-Expansion PLLA/PDLA Foams with Excellent Thermal Insulation and Enhanced Compressive Properties. 2020 , 59, 19244-19251	7
16	Kinetic characteristics of long-term repeated fed-batch (LtRFb) l-lactic acid fermentation by a strain. 2020 , 20, 562-570	4

CITATION REPORT

15	Toward all stereocomplex-type polylactide with outstanding melt stability and crystallizability via solid-state transesterification between enantiomeric poly(l-lactide) and poly(d-lactide). 2020 , 205, 122850	11
14	Indium phosphasalen catalysts showing high isoselectivity and activity in racemic lactide and lactone ring opening polymerizations. 2020 , 10, 7226-7239	14
13	Influence of Nitrogen Sources on D-Lactic Acid Biosynthesis by Sporolactobacillus laevolacticus DSM 442 Strain. 2021 , 7, 78	2
12	Cost-effective valorization of cassava fibrous waste into enantiomerically pure D-lactic acid: Process engineering and kinetic modelling approach. 2021 , 22, 101519	O
11	Mixing of Racemic Poly(L-lactide)/Poly(D-lactide) Blend with Miscible Poly(D,L-lactide): Toward All Stereocomplex-type Polylactide with Strikingly Enhanced SC Crystallizability. 1	4
10	Polylactic acid production from biotechnological routes: A review. 2021 , 186, 933-951	11
9	Synthesis and stereocomplex formation of enantiomeric alternating copolymers with two types of chiral centers, poly(lactic acid2-hydroxybutanoic acid)s 2020 , 10, 39000-39007	5
8	Toughening of PLA stereocomplex by Impact modifiers. 2012 , 13, 919-925	3
7	The Family Sporolactobacillaceae. 2014 , 353-362	
6	Exclusive formation of poly(lactide) stereocomplexes with enhanced melt stability via regenerated cellulose assisted Pickering emulsion approach. 2022 , 32, 101138	O
5	Significantly Improved Stereocomplexation Ability in Cyclic Block Copolymers.	
4	Comparative study on the effects of incorporating poly(d,l-lactide) and solvent on stereocomplex crystallization and homocrystallization in unconstrained and constrained poly(l-lactide)/poly(d-lactide) systems.	O
3	A Review on Fully Bio-Based Materials Development from Polylactide and Cellulose Nanowhiskers. 2022 , 14, 4009	O
2	Scalable Preparation of Complete Stereo-Complexation Polylactic Acid Fiber and Its Hydrolysis Resistance. 2022 , 27, 7654	2
1	Reprogramming a high robustGeobacillus thermoglucosidasiusfor efficient synthesis of polymer-grade lactic acid under extremely high temperature (60°C).	0