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## An overview of polylactides as packaging materials

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2321	Flexible, Fatigue-Free, and Large-Scale Bi <sub>3</sub> .25La <sub>0.75</sub> Ti <sub>3</sub> O <sub>12</sub> Ferroelectric Memories.		
2320	Solvent-induced microdomain orientation in polystyrene-b-poly(L-lactide) diblock copolymer thin films for nanopatterning. <b>2005</b> , 46, 9362-9377		110
2319	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
2318	Poly(lactide) stereocomplexes: formation, structure, properties, degradation, and applications. <i>Macromolecular Bioscience</i> , <b>2005</b> , 5, 569-97	5.5	1069
2317	Preparation and characterization of electrospun poly(l-lactic acid-co-succinic acid-co-1,4-butane diol) fibrous membranes. <b>2005</b> , 13, 73-79		17
2316	Evaluation of oriented poly(lactide) polymers vs. existing PET and oriented PS for fresh food service containers. <b>2005</b> , 18, 207-216		201
2315	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. <b>2005</b> , 43, 1064-1075		55
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2104	Effect of hot drawing on properties of wet-spun poly(L,D-lactide) copolymer multifilament fibers. <b>2010</b> , 115, 608-615	2
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1767	Rheological and mechanical properties of polypropylene/thermoplastic starch blend. <b>2012</b> , 68, 1079-1091	25
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1765	Study of biodegradable polylactide/poly(butylene carbonate) blend. <b>2013</b> , 127, 471-477	37



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1760	Green Composites of Poly (Lactic Acid) and Sugarcane Bagasse Residues from Bio-refinery Processes. <b>2013</b> , 21, 780-788	22
1759	PLA and Montmorillonite Nanocomposites: Properties, Biodegradation and Potential Toxicity. <b>2013</b> , 21, 738-759	33
1758	Potential of Lignins as Antioxidant Additive in Active Biodegradable Packaging Materials. <b>2013</b> , 21, 692-701	138
1757	Preparation and Properties of Biodegradable Poly(lactic acid)/Poly(butylene adipate-co-terephthalate) Blend with Epoxy-Functional Styrene Acrylic Copolymer as Reactive Agent. <b>2013</b> , 21, 286-292	58
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1753	PLA/wood biocomposites: Improving composite strength by chemical treatment of the fibers. <b>2013</b> , 53, 46-53	43
1752	Incorporation of poly(glycidylmethacrylate) grafted bacterial cellulose nanowhiskers in poly(lactic acid) nanocomposites: Improved barrier and mechanical properties. <b>2013</b> , 49, 2062-2072	56
1751	Plasticization of poly(lactic acid) (PLA) through chemical grafting of poly(ethylene glycol) (PEG) via in situ reactive blending. <b>2013</b> , 49, 2356-2364	111
1750	Barrier properties of PLA to water vapour: Effect of temperature and morphology. <b>2013</b> , 21, 1110-1117	18
1749	Effect of nucleation and plasticization on the stereocomplex formation between enantiomeric poly(lactic acid)s. <b>2013</b> , 54, 5762-5770	35
1748	Biodegradation behavior of poly(butylene adipate-co-terephthalate) (PBAT), poly(lactic acid) (PLA), and their blend under soil conditions. <b>2013</b> , 32, 918-926	251
1747	Sustainable Poly(lactide-b-butadiene) Multiblock Copolymers with Enhanced Mechanical Properties. <b>2013</b> , 46, 7387-7398	73

1746	PLLA/PMMA blends: A shear-induced miscibility with tunable morphologies and properties?. <b>2013</b> , 54, 3931-3939	68
1745	Water clustering in glassy polymers. <b>2013</b> , 117, 10629-40	53
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1742	Thermal, mechanical, and rheological properties of poly(propylene carbonate) cross-linked with polyaryl polymethylene isocyanate. <b>2013</b> , 70, 1991-2003	20
1741	Migration of Tocopherol and resveratrol from poly(L-lactic acid)/starch blends films into ethanol. <b>2013</b> , 116, 814-828	29
1740	Optimized PLA-based EMAP systems for horticultural produce designed to regulate the targeted in-package atmosphere. <b>2013</b> , 48, 68-80	14
1739	Production of biodegradable porous scaffolds impregnated with 5-fluorouracil in supercritical CO <sub>2</sub> . <b>2013</b> , 80, 1-8	29
1738	Biosynthetic polyesters consisting of 2-hydroxyalkanoic acids: current challenges and unresolved questions. <b>2013</b> , 97, 8011-21	30
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1736	PLA/PHBV Films with Improved Mechanical and Gas Barrier Properties. <b>2013</b> , 298, 1065-1073	62
1735	Comparison of melting and crystallization behaviors of polylactide under high-pressure CO <sub>2</sub> , N <sub>2</sub> , and He. <b>2013</b> , 54, 6471-6478	75
1734	Methodology for determination of magnetic force of polymeric nanocomposites. <b>2013</b> , 32, 1466-1471	28
1733	Effects of gas atmospheres on poly(lactic acid) film in acrylic acid plasma treatment. <b>2013</b> , 283, 181-187	20
1732	Isothermal crystallization behavior and mechanical properties of polylactide/carbon nanotube nanocomposites. <b>2013</b> , 46, 11-18	98
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1730	Preparation and characterization of vacuum sputter silver coated PLA film. <b>2013</b> , 54, 477-484	19
1729	Structure, properties and interfacial interactions in poly(lactic acid)/polyurethane blends prepared by reactive processing. <b>2013</b> , 49, 3104-3113	51

1728	The effect of the composition of PLA films and lactate release on glial and neuronal maturation and the maintenance of the neuronal progenitor niche. <b>2013</b> , 34, 2221-33	28
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1726	Synthesis and Stereocomplex Formation of Star-Shaped Stereoblock Polylactides Consisting of Poly(l-lactide) and Poly(d-lactide) Arms. <b>2013</b> , 46, 8509-8518	90
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1724	Preparation and characterization of poly(lactic acid)/starch composites toughened with epoxidized soybean oil. <b>2013</b> , 92, 810-6	145
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1722	Novel toughening mechanism for polylactic acid (PLA)/starch blends with layer-like microstructure via pressure-induced flow (PIF) processing. <b>2013</b> , 98, 238-241	41
1721	Blends of biorenewable polyamide-11 and polyamide-6,10. <b>2013</b> , 54, 6961-6970	32
1720	A Renewable Lignin-Lactide Copolymer and Application in Biobased Composites. <b>2013</b> , 1, 1231-1238	229
1719	Bulk polymerization of rac-lactide initiated by guanidinate alkoxide complexes of rare earth metals. The molecular structure of the cluster $[(\text{Me}_3\text{Si})_2\text{NC}(\text{NPr}_i)_2\text{Nd}]_4(\text{B-OPri})_8\text{Li}_7(\text{B-Cl})_3(\text{B-Cl})_2(\text{B-Cl})_2$ . <b>2013</b> , 62, 722-730	6
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1716	Polymer-Based Nanocomposites for Food Packaging Applications. <b>2013</b> , 212-226	3
1715	Preparation of Biodegradable Poly(lactic Acid) Electrospun Membrane with Decreased Pore Size by Post Heat Treatment. <b>2013</b> , 594-595, 260-269	
1714	Effect of Triacetin on Tensile Properties of Oil Palm Empty Fruit Bunch Fiber-Reinforced Polylactic Acid Composites. <b>2013</b> , 52, 400-406	9
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1707	Progress in bio-based plastics and plasticizing modifications. <b>2013</b> , 1, 13379	450
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1699	Oxalic Amidines [Protonation Studies and Activity in Lactide Polymerisation. <b>2013</b> , 2013, 99-108	2
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1684	Bioactive albumin functionalized polylactic acid membranes for improved biocompatibility. <b>2013</b> , 73, 1399-1404	26
1683	Evaluation of silver-infused polylactide films for inactivation of Salmonella and feline calicivirus in vitro and on fresh-cut vegetables. <b>2013</b> , 162, 89-94	53
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1679	Synthesis, assembly, and cross-linking of polymer amphiphiles in situ: polyurethane-poly lactide core-shell particles. <b>2013</b> , 4, 2546	10
1678	Controlled Polymerization of Next-Generation Renewable Monomers and Beyond. <b>2013</b> , 46, 1689-1712	389
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1662	Effect of Nanoclay Hydration on Barrier Properties of PLA/Montmorillonite Based Nanocomposites. <b>2013</b> , 117, 12117-12135	66
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1658	Characterization of PLA-limonene blends for food packaging applications. <b>2013</b> , 32, 760-768	202
1657	Synthesis and characterization of poly(d,l-lactic acid) via enzymatic ring opening polymerization by using free and immobilized lipase. <b>2013</b> , 31, 132-140	26

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1525	Preparation of flexible PLA/PEG-POSS nanocomposites by melt blending and radiation crosslinking. <b>2014</b> , 102, 23-28	36
1524	Group 4 Metal Complexes Bearing Thioetherphenolate Ligands. Coordination Chemistry and Ring-Opening Polymerization Catalysis. <b>2014</b> , 47, 2830-2841	57
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1419	Photo-responsive amphiphilic poly( $\alpha$ -hydroxy acids) with pendent o-nitrobenzyl ester constructed via copper-catalyzed azide-alkyne cycloaddition reaction. <b>2015</b> , 26, 449-456	16
1418	Effect of poly(l-lactide)/poly(d-lactide) block length ratio on crystallization behavior of star-shaped asymmetric poly(l(d)-lactide) stereoblock copolymers. <b>2015</b> , 55, 2534-2541	7
1417	Flexible and Tough Poly(lactic acid) Films for Packaging Applications: Property and Processability Improvement by Effective Reactive Blending. <b>2015</b> , 28, 741-759	23
1416	Mechanistic Insight into the Stereochemical Control of Lactide Polymerization by Salan-Aluminum Catalysts. <b>2015</b> , 54, 14858-61	86
1415	Current progress in the production of PLA/nO nanocomposites: Beneficial effects of chain extender addition on key properties. <b>2015</b> , 132, n/a-n/a	44
1414	Melt blending of polylactide and poly(methyl methacrylate): Thermal and mechanical properties and phase morphology characterization. <b>2015</b> , 132, n/a-n/a	25
1413	Biocatalyzed approach for the surface functionalization of poly(L-lactic acid) films using hydrolytic enzymes. <b>2015</b> , 10, 1739-49	45
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1409	Synthetic preparations, thermal properties and crystallization characterization of PLLA-PPG block copolymers/clay nanocomposites. <b>2015</b> , 26, 1226-1240	
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1407	Reactive Blending of Poly(l-lactide) and Chemically-Modified Starch Grafted with a Maleic Anhydride-Methyl Methacrylate Copolymer. <b>2015</b> , 354, 340-346	1
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1405	Thermal hydrolysis of poly(l-lactic acid) films and cytotoxicity of water-soluble degradation products. <b>2015</b> , 132, n/a-n/a	6

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1403	Biorenewable polymer composites from tall oil-based polyamide and lignin-cellulose fiber. <b>2015</b> , 132, n/a-n/a	11
1402	Preparation and characterization of poly(lactic acid)/poly(methyl methacrylate) blend tablets for application in quantitative analysis by micro Raman spectroscopy. <b>2015</b> , 46, 273-279	26
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1369	Thermally Stable, Biocompatible, and Flexible Organic Field-Effect Transistors and Their Application in Temperature Sensing Arrays for Artificial Skin. <b>2015</b> , 25, 2138-2146	150

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1363	Flammability and tensile properties of polylactide nanocomposites with short carbon fibers. <b>2015</b> , 50, 1605-1612	21
1362	Crystallization, structural relaxation and thermal degradation in Poly(L-lactide)/cellulose nanocrystal renewable nanocomposites. <b>2015</b> , 123, 256-65	117
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1356	Ternary melt blends of poly(lactic acid)/poly(vinyl alcohol)-chitosan. <b>2015</b> , 72, 159-165	14
1355	Fabrication of Poly(lactic acid)/Graphene Oxide Foams with Highly Oriented and Elongated Cell Structure via Unidirectional Foaming Using Supercritical Carbon Dioxide. <b>2015</b> , 54, 758-768	102
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1344	Potential role of nanofillers as compatibilizers in immiscible PLA/LDPE Blends. <b>2015</b> , 132, n/a-n/a	34
1343	Bio-based poly(lactide)/ethylene-co-vinyl acetate thermoplastic vulcanizates by dynamic crosslinking: structure vs. property. <b>2015</b> , 5, 15962-15968	38
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1341	Alternating Copolymerization of Propylene Oxide with Biorenewable Terpene-Based Cyclic Anhydrides: A Sustainable Route to Aliphatic Polyesters with High Glass Transition Temperatures. <b>2015</b> , 127, 2703-2706	25
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1336	Foaming and Damping Properties of Ethylene Vinyl-Acetate Copolymer/Polylactic Acid Blends. <b>2015</b> , 54, 190-202	5
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1330	Microcantilever sensors for fast analysis of enzymatic degradation of poly (d, l-lactide). <b>2015</b> , 119, 1-8	4
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1324	Physical ageing and molecular mobility in PLA blends and composites. <b>2015</b> , 122, 1423-1433	25
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1322	Highly Enhanced Crystallization Kinetics of Poly(l-lactic acid) by Poly(ethylene glycol) Grafted Graphene Oxide Simultaneously as Heterogeneous Nucleation Agent and Chain Mobility Promoter. <b>2015</b> , 48, 4891-4900	79
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1314	Effect of graphene content on the properties of poly(lactic acid) nanocomposites. <b>2015</b> , 5, 28410-28423	72
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1309	Recent Advances in Synthesis of Waterborne Polyurethane and Their Application in Water-based Ink: A Review. <b>2015</b> , 31, 708-722	169
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875	Study on the Preparation and Anisotropic Distribution of Mechanical Properties of Well-Aligned PMIA Nanofiber Mats Reinforced Composites. <b>2017</b> , 2017, 1-7	2
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846	Preparation of acylated microcrystalline cellulose using olive oil and its reinforcing effect on poly(lactic acid) films for packaging application. <b>2018</b> , 25, 1	18
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