

Poly(lactic acid)â€™Mass production, processing, indust

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Citation Report

#	ARTICLE	IF	CITATIONS
1	To be, or not to be biodegradable – that is the question for the bio-based plastics. <i>Microbial Biotechnology</i> , 2016, 9, 652-657.	2.0	58
2	Hollow segmented-pie PLA/PBS and PLA/PP bicomponent fibers: an investigation on fiber properties and splittability. <i>Journal of Materials Science</i> , 2016, 51, 10910-10916.	1.7	25
3	Mixed morphology nanocrystalline cellulose from sugarcane bagasse fibers/poly(lactic acid) nanocomposite films: synthesis, fabrication and characterization. <i>Iranian Polymer Journal (English)</i> Tj ETQq0 0 0 rgBTz/Overload 10 Tf 50		
4	Effect of processing conditions on the physical, chemical and transport properties of polylactic acid films containing thymol incorporated by supercritical impregnation. <i>European Polymer Journal</i> , 2017, 89, 195-210.	2.6	74
5	Insights on the aerobic biodegradation of polymers by analysis of evolved carbon dioxide in simulated composting conditions. <i>Polymer Degradation and Stability</i> , 2017, 137, 251-271.	2.7	104
6	The effect of maleinized linseed oil as biobased plasticizer in poly(lactic acid)-based formulations. <i>Polymer International</i> , 2017, 66, 882-891.	1.6	57
7	Effect of the state of water and relative humidity on ageing of PLA films. <i>Food Chemistry</i> , 2017, 236, 109-119.	4.2	39
8	Effect of molar mass on the T_g -transition in poly (l-lactic acid). <i>Polymer</i> , 2017, 114, 144-148.	1.8	28
9	Synthesis of a novel polyester building block from pentoses by tin-containing silicates. <i>RSC Advances</i> , 2017, 7, 985-996.	1.7	29
10	Polyurethane based on PLA and PCL incorporated with catechin: Structural, thermal and mechanical characterization. <i>European Polymer Journal</i> , 2017, 89, 174-184.	2.6	46
11	Beyond Biodegradability of Poly(lactic acid): Physical and Chemical Stability in Humid Environments. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 2751-2762.	3.2	64
12	An attributional Life Cycle Assessment application experience to highlight environmental hotspots in the production of foamy polylactic acid trays for fresh-food packaging usage. <i>Journal of Cleaner Production</i> , 2017, 150, 93-103.	4.6	66
13	Phosphasalen Indium Complexes Showing High Rates and Isoselectivities in <i>rac</i> -Lactide Polymerizations. <i>Angewandte Chemie</i> , 2017, 129, 5361-5366.	1.6	23
14	Performance testing of a green plasticizer based on lactic acid for PVC. <i>Polymer Testing</i> , 2017, 61, 205-213.	2.3	44
15	Effect of metallization time on thermal stability of copper-plated polylactide. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 129, 1697-1703.	2.0	6
16	Synthesis of well-defined cyclic polyesters via self-accelerating click reaction. <i>Polymer</i> , 2017, 121, 196-203.	1.8	16
17	Organocatalytic ring-opening polymerization of l-lactide in bulk: A long standing challenge. <i>European Polymer Journal</i> , 2017, 95, 628-634.	2.6	83
18	Biocompatibility of biological material polylactic acid with stem cells from human exfoliated deciduous teeth. <i>Biomedical Reports</i> , 2017, 6, 519-524.	0.9	18

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19	Divergent $[{\text{ONNN}}\text{Mg}\text{Cl}]$ complexes in highly active and living lactide polymerization. <i>Chemical Science</i> , 2017, 8, 5476-5481.	3.7	31
21	Insight into the role of bound water of a nucleating agent in polymer nucleation: a comparative study of anhydrous and monohydrated otic acid on crystallization of poly(<i>l</i> -lactic acid). <i>RSC Advances</i> , 2017, 7, 27150-27161.	1.7	14
22	Phosphasalen Indium Complexes Showing High Rates and Ioselectivities in <i>rac</i> -Lactide Polymerizations. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5277-5282.	7.2	91
23	Lactobacilli and pediococci as versatile cell factories – Evaluation of strain properties and genetic tools. <i>Biotechnology Advances</i> , 2017, 35, 419-442.	6.0	60
24	Bifunctional Squaramides as Organocatalysts for Lactide Polymerization: Catalytic Performance and Comparison with Monofunctional Analogues. <i>ChemCatChem</i> , 2017, 9, 3041-3046.	1.8	16
25	Construction of a novel d-lactate producing pathway from dihydroxyacetone phosphate of the Calvin cycle in cyanobacterium, <i>Synechococcus elongatus</i> PCC7942. <i>Journal of Bioscience and Bioengineering</i> , 2017, 124, 54-61.	1.1	27
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27	Mono-BHT heteroleptic magnesium complexes: synthesis, molecular structure and catalytic behavior in the ring-opening polymerization of cyclic esters. <i>Dalton Transactions</i> , 2017, 46, 12132-12146.	1.6	53
28	Diiminopyrrolide Copper Complexes: Synthesis, Structures, and <i>rac</i> -Lactide Polymerization Activity. <i>Organometallics</i> , 2017, 36, 3860-3877.	1.1	12
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37	Mechanical Properties of Poly (lactic acid) Composites Reinforced with CaCO ₃ Eggshell Based Fillers. <i>MRS Advances</i> , 2017, 2, 2545-2550.	0.5	18

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38	Recycling and remanufacturing of 3D printed continuous carbon fiber reinforced PLA composites. <i>Journal of Cleaner Production</i> , 2017, 142, 1609-1618.	4.6	291
39	Co-expression of two heterologous lactate dehydrogenases genes in <i>Kluyveromyces marxianus</i> for l-lactic acid production. <i>Journal of Biotechnology</i> , 2017, 241, 81-86.	1.9	25
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47	Control of hydrolytic degradation of Poly(lactic acid) by incorporation of chain extender: From bulk to surface erosion. <i>Polymer Testing</i> , 2018, 67, 190-196.	2.3	43
48	Catalytic metal-based systems for controlled statistical copolymerisation of lactide with a lactone. <i>Polymer Chemistry</i> , 2018, 9, 2517-2531.	1.9	68
49	Effects of TiO ₂ nanoparticles on the photodegradation of poly(lactic acid). <i>Journal of Applied Polymer Science</i> , 2018, 135, 46509.	1.3	34
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