Vimal Katiyar

List of Publications by Year
in descending order

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128 papers	3,738 citations	109137 35 h-index	168136 53 g-index
134 all docs	134 docs citations	134 times ranked	3539 citing authors

#	Article	IF	Citations
1	Bioprospecting of cassava fibrous waste as a precursor for stereospecific lactic acid production: inhibition insights for value addition and sustainable utilization. Biomass Conversion and Biorefinery, 2023, 13, 2255-2265.	2.9	2
2	Biopolymer-based nanocomposite films and coatings: recent advances in shelf-life improvement of fruits and vegetables. Critical Reviews in Food Science and Nutrition, 2022, 62, 1912-1935.	5.4	89
3	Highly efficient bio-adsorption of Malachite green using Chinese Fan-Palm Biochar (Livistona) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	4.2	37
4	Bioaugmented polyaniline decorated polylactic acid nanofiber electrode by electrospinning technique for real wastewaterâ€fed <scp>MFC</scp> application. International Journal of Energy Research, 2022, 46, 3588-3601.	2.2	3
5	Reversible and biocompatible AuNP-decorated [Zn2+]:[Insulin] condensed assembly for potential therapeutic applications. European Journal of Pharmaceutical Sciences, 2022, 173, 106168.	1.9	1
6	Prodigiosin-Loaded Poly(lactic acid) to Combat the Biofilm-Associated Infections. ACS Applied Bio Materials, 2022, , .	2.3	4
7	Development of antioxidant-rich edible active films and coatings incorporated with de-oiled ethanolic green algae extract: a candidate for prolonging the shelf life of fresh produce. RSC Advances, 2022, 12, 13295-13313.	1.7	20
8	Nanochitosan functionalized hydrophobic starch/guar gum biocomposite for edible coating application with improved optical, thermal, mechanical, and surface property. International Journal of Biological Macromolecules, 2022, 211, 116-127.	3.6	17
9	Effect of Waste Green Algal Biomass Extract Incorporated Chitosan-Based Edible Coating on the Shelf Life and Quality Attributes of Tomato. ACS Food Science & Technology, 2022, 2, 1151-1165.	1.3	12
10	Effects of chain microstructure on the thermal, mechanical and crystallization behaviors of poly(Îµ-caprolactone-co-lactide) copolymers: Processable biomaterials with tunable properties. Materials Today Communications, 2022, 33, 104040.	0.9	2
11	Ion transfer channel network formed by flower and rod shape crystals of hair hydrolysate in poly(vinyl alcohol) matrix and its application as anion exchange membrane in fuel cells. Journal of Colloid and Interface Science, 2021, 587, 214-228.	5.0	7
12	Study of the Thermal, Mechanical and Melt Rheological Properties of Rice Straw Filled Poly (Butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Environment, 2021, 29, 1477-1488.	2.4	7
13	Bamboo-flour-filled cost-effective poly(Îµ-caprolactone) biocomposites: a potential contender for flexible cryo-packaging applications. Materials Advances, 2021, 2, 280-291.	2.6	10
14	Feasibility study on a mini autonomous biosensor based on microbial fuel cell for monitoring hexavalent chromium in wastewater. International Journal of Energy Research, 2021, 45, 6293-6302.	2.2	5
15	Toughened PLA-b-PCL-b-PLA triblock copolymer based biomaterials: effect of self-assembled nanostructure and stereocomplexation on the mechanical properties. Polymer Chemistry, 2021, 12, 3806-3824.	1.9	22
16	Starch-Based Nanostructured Materials in Edible Food Packaging. Materials Horizons, 2021, , 139-164.	0.3	1
17	Demonstrating an ideal compostable plastic using biodegradability kinetics of poly(lactic acid) (PLA) based green biocomposite films under aerobic composting conditions. Environmental Challenges, 2021, 3, 100030.	2.0	27
18	Biodegradation and characterization study of compostable PLA bioplastic containing algae biomass as potential degradation accelerator. Environmental Challenges, 2021, 3, 100067.	2.0	45

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19	Curcumin loaded iron functionalized biopolymeric nanofibre reinforced edible nanocoatings for improved shelf life of cut pineapples. Food Packaging and Shelf Life, 2021, 28, 100658.	3.3	13
20	Effect of cellulose nanocrystals derived from Dunaliella tertiolecta marine green algae residue on crystallization behaviour of poly(lactic acid). Carbohydrate Polymers, 2021, 261, 117881.	5.1	31
21	Silk nanocrystal (SNC) reinforced poly (lactic acid) based microcellular foam: Impact on porous structure, crystallinity, thermomechanical and surface property. Materials Today Communications, 2021, 27, 102258.	0.9	3
22	Effect of dicumyl peroxide on biodegradable poly(lactic acid)/functionalized gum arabic based films. Journal of Applied Polymer Science, 2021, 138, 51341.	1.3	3
23	Curcumin doped functionalized cellulose nanofibers based edible chitosan coating on kiwifruits. International Journal of Biological Macromolecules, 2021, 184, 936-945.	3.6	41
24	Improvisation of polylactic acid (PLA)/exfoliated graphene (GR) nanocomposite for detection of metal ions (Cu2+). Composites Science and Technology, 2021, 213, 108877.	3.8	5
25	Biodegradation of biopolymeric composites and blends under different environmental conditions: Approach towards end-of-life panacea for crop sustainability. Bioresource Technology Reports, 2021, 15, 100705.	1.5	14
26	Silk nanodisc based edible chitosan nanocomposite coating for fresh produces: A candidate with superior thermal, hydrophobic, optical, mechanical and food properties. Food Chemistry, 2021, 360, 130048.	4.2	28
27	Construction of integrated system for the treatment of Acid orange 7 dye from wastewater: Optimization and growth kinetic study. Bioresource Technology, 2021, 337, 125478.	4.8	16
28	Utilization of microalgae residue and isolated cellulose nanocrystals: A study on crystallization kinetics of poly(É›-caprolactone) bio-composites. International Journal of Biological Macromolecules, 2021, 191, 521-530.	3.6	8
29	Functionalized poly(lactic acid) based nano-fabric for anti-viral applications. RSC Advances, 2021, 11, 32884-32897.	1.7	10
30	Chitosan-Based Antimicrobial Coating for Improving Postharvest Shelf Life of Pineapple. Coatings, 2021, 11, 1366.	1.2	22
31	Supramolecular organization of Cytochrome-C into quantum-dot decorated macromolecular network under pH and thermal stress. International Journal of Biological Macromolecules, 2021, 193, 1623-1634.	3.6	4
32	Valorization of a CO₂â€Derived Lactone by Acyclic Diene Metathesis Polymerization. ChemistrySelect, 2021, 6, 13947-13954.	0.7	2
33	Blown films fabrication of poly lactic acid based biocomposites: Thermomechanical and migration studies. Materials Today Communications, 2020, 22, 100737.	0.9	13
34	Structural, mechanical, and gas barrier properties of poly(ethylene terephthalate) nanohybrid using nanotalc. Journal of Applied Polymer Science, 2020, 137, 48607.	1.3	19
35	Potency of nanolay on structural, mechanical and gas barrier properties of poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	1.2	12
36	End-of-life evaluation and biodegradation of Poly(lactic acid) (PLA)/Polycaprolactone (PCL)/Microcrystalline cellulose (MCC) polyblends under composting conditions. Chemosphere, 2020, 247, 125875.	4.2	47

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37	Utilization of waste polyvinyl chloride (PVC) for ultrafiltration membrane fabrication and its characterization. Journal of Environmental Chemical Engineering, 2020, 8, 103650.	3.3	48
38	Microcrystalline cellulose, polylactic acid and polypropylene biocomposites and its morphological, mechanical, thermal and rheological properties. Composites Part B: Engineering, 2020, 184, 107717.	5.9	41
39	Effect of microcrystalline cellulose [MCC] fibres on the morphological and crystalline behaviour of high density polyethylene [HDPE]/polylactic acid [PLA] blends. Composites Science and Technology, 2020, 187, 107941.	3.8	25
40	Silk and Wool Protein Microparticle-Reinforced Crystalline Polylactic Acid Biocomposites with Improved Cell Interaction for Targeted Biomedical Applications. ACS Applied Polymer Materials, 2020, 2, 4739-4751.	2.0	8
41	Biopolymer (gum arabic) incorporation in waste polyvinylchloride membrane for the enhancement of hydrophilicity and natural organic matter removal in water. Journal of Water Process Engineering, 2020, 38, 101569.	2.6	21
42	Fabrication and characterization of clay nanoscrolls and stable zerovalent iron using montmorillonite. Applied Clay Science, 2020, 193, 105670.	2.6	2
43	Applicability of Fe-CNC/GR/PLA composite as potential sensor for biomolecules. Journal of Materials Science: Materials in Electronics, 2020, 31, 5984-5999.	1.1	7
44	Biodegradable kinetics and behavior of bio-based polyblends under simulated aerobic composting conditions. Journal of Environmental Management, 2020, 261, 110211.	3.8	20
45	Environmentâ€friendly synthesis of sustainable chitosanâ€based nonisocyanate polyurethane: A biobased polymeric film. Journal of Applied Polymer Science, 2020, 137, 49050.	1.3	21
46	Self-propelled cellulose nanocrystal based catalytic nanomotors for targeted hyperthermia and pollutant remediation applications. International Journal of Biological Macromolecules, 2020, 158, 1020-1036.	3.6	27
47	Synthesis Strategies for Biomedical Grade Polymers. Materials Horizons, 2020, , 1-20.	0.3	3
48	Biodegradable Nanocomposite Foams: Processing, Structure, and Properties. Materials Horizons, 2020, , 271-288.	0.3	2
49	DSC and SWAXS Studies on the Effects of Silk Nanocrystals on Crystallization of Poly(l-Lactic Acid). Materials Horizons, 2020, , 321-339.	0.3	2
50	Polymers from Carbon Dioxideâ€"A Route Towards a Sustainable Future. Materials Horizons, 2020, , 35-49.	0.3	5
51	Fabrication of Stimuli-Responsive Polymers and their Composites: Candidates for Resorbable Sutures. Materials Horizons, 2020, , 121-144.	0.3	2
52	Mimicking Smart Textile by Fabricating Stereocomplex Poly(Lactic Acid) Nanocomposite Fibers. Materials Horizons, 2020, , 341-362.	0.3	0
53	Kinetic modelling of thermal degradation and non-isothermal crystallization of silk nano-discs reinforced poly (lactic acid) bionanocomposites. Polymer Bulletin, 2019, 76, 1349-1382.	1.7	8
54	Exfoliated graphene-dispersed poly (lactic acid)-based nanocomposite sensors for ethanol detection. Polymer Bulletin, 2019, 76, 2367-2386.	1.7	19

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55	Accelerated crystallization of poly(l-lactic acid) by silk fibroin nanodisc. Polymer Journal, 2019, 51, 1173-1180.	1.3	15
56	Cellulose nanocrystal/clay based macroion nanogel as support for stable platinum catalyst for electrochemical oxidation of methanol in alkaline medium. Applied Clay Science, 2019, 182, 105277.	2.6	4
57	Generalized kinetics for thermal degradation and melt rheology for poly (lactic acid)/poly (butylene) Tj ETQq1 1 0.784314 rgBT /Overl Biological Macromolecules, 2019, 141, 831-842.	3.6	17
58	Resorbable polymers in bone repair and regeneration. , 2019, , 87-125.		9
59	Effect of Block Length and Stereocomplexation on the Thermally Processable Poly(Îµ-caprolactone) and Poly(Lactic acid) Block Copolymers for Biomedical Applications. ACS Applied Polymer Materials, 2019, 1, 3354-3365.	2.0	17
60	Structural Evolution in Isothermal Crystallization Process of Poly(L-lactic acid) Enhanced by Silk Fibroin Nano-Disc. Materials, 2019, 12, 1872.	1.3	13
61	Biocomposites of poly(lactic acid) and lactic acid oligomerâ€grafted bacterial cellulose: It's preparation and characterization. Journal of Applied Polymer Science, 2019, 136, 47903.	1.3	25
62	Non-isothermal degradation kinetics of PLA-functionalized gum (fG) biocomposite with dicumyl peroxide (DCP). Journal of Thermal Analysis and Calorimetry, 2019, 138, 195-210.	2.0	11
63	Influence of Nontoxic Magnetic Cellulose Nanofibers on Chitosan Based Edible Nanocoating: A Candidate for Improved Mechanical, Thermal, Optical, and Texture Properties. Journal of Agricultural and Food Chemistry, 2019, 67, 4289-4299.	2.4	43
64	Biodegradation of modified Poly(lactic acid) based biocomposite films under thermophilic composting conditions. Polymer Testing, 2019, 76, 522-536.	2.3	59
65	Sustainable Nanostructured Materials in Food Packaging. , 2019, , 171-213.		13
66	Poly(lactic acid)/modified chitosanâ€based microcellular foams: Thermal and crystallization behavior with wettability and porosimetric investigations. Journal of Applied Polymer Science, 2019, 136, 47236.	1.3	4
67	Morphology and crystalline characteristics of polylactic acid [PLA]/linear low density polyethylene [LLDPE]/microcrystalline cellulose [MCC] fiber composite. Composites Science and Technology, 2019, 171, 54-61.	3.8	76
68	Tailor-made ultra-crystalline, high molecular weight poly(Îµ-caprolactone) films with improved oxygen gas barrier and optical properties: a facile and scalable approach. International Journal of Biological Macromolecules, 2019, 124, 1040-1052.	3.6	17
69	Green Composites Based on Aliphatic and Aromatic Polyester: Opportunities and Application. Materials Horizons, 2019, , 249-275.	0.3	4
70	Bio-based Polymeric Conductive Materials for Advanced Applications. Materials Horizons, 2019, , 397-410.	0.3	0
71	Cellulose Nanocrystal Templated Graphene Nanoscrolls for High Performance Supercapacitors and Hydrogen Storage: An Experimental and Molecular Simulation Study. Scientific Reports, 2018, 8, 3886.	1.6	30
72	Investigating the properties of poly (lactic acid)/exfoliated graphene based nanocomposites fabricated by versatile coating approach. International Journal of Biological Macromolecules, 2018, 113, 1080-1091.	3.6	33

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73	Effects of Amphiphilic Chitosan on Stereocomplexation and Properties of Poly(lactic acid) Nano-biocomposite. Scientific Reports, 2018, 8, 4351.	1.6	46
74	Chemomechanical, morphological, and rheological studies of chitosanâ€graftâ€lactic acid oligomer reinforced poly(lactic acid) bionanocomposite films. Journal of Applied Polymer Science, 2018, 135, 45546.	1.3	13
75	Biodegradable poly (lactic acid)/Cellulose nanocrystals (CNCs) composite microcellular foam: Effect of nanofillers on foam cellular morphology, thermal and wettability behavior. International Journal of Biological Macromolecules, 2018, 106, 433-446.	3.6	69
76	Silk nanoâ€discs: A natural material for cancer therapy. Biopolymers, 2018, 109, e23231.	1.2	24
77	Sustainable Approach for Mechanical Recycling of Poly(lactic acid)/Cellulose Nanocrystal Films: Investigations on Structureâ€“Property Relationship and Underlying Mechanism. Industrial & Engineering Chemistry Research, 2018, 57, 14493-14508.	1.8	18
78	Effect of Dicumyl Peroxide on a Poly(lactic acid) (PLA)/Poly(butylene succinate) (PBS)/Functionalized Chitosan-Based Nanobiocomposite for Packaging: A Reactive Extrusion Study. ACS Omega, 2018, 3, 13298-13312.	1.6	50
79	Polylactic Acid Based Hydrogels and Its Renewable Characters: Tissue Engineering Applications. Polymers and Polymeric Composites, 2018, , 1-24.	0.6	1
80	Effect of silk nanoâ€disc dispersion on mechanical, thermal, and barrier properties of poly(lactic acid) based bionanocomposites. Journal of Applied Polymer Science, 2018, 135, 46671.	1.3	27
81	Lactic acid oligomer (OLLA) grafted gum arabic based green adhesive for structural applications. International Journal of Biological Macromolecules, 2018, 120, 711-720.	3.6	19
82	Thermal degradation behaviour and crystallization kinetics of poly (lactic acid) and cellulose nanocrystals (CNC) based microcellular composite foams. International Journal of Biological Macromolecules, 2018, 118, 1518-1531.	3.6	42
83	Facile dispersion of exfoliated graphene/<scp>PLA</scp> nanocomposites via in situ polycondensation with a melt extrusion process and its rheological studies. Journal of Applied Polymer Science, 2018, 135, 46476.	1.3	26
84	Crystallization kinetics, morphology, and hydrolytic degradation of novel bioâ€based poly(lactic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 46590.	1.3	17
85	Lamellae Assembly in Dendritic Spherulites of Poly(l-lactic Acid) Crystallized with Poly(p-Vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.6	10
86	Investigations on rheological and mechanical behavior of poly(3â€Hydroxybutyrate)/cellulose nanocrystal based nanobiocomposites. Polymer Composites, 2017, 38, E392.	2.3	13
87	Poly(lactic acid)/modified gum arabic based bionanocomposite films: Thermal degradation kinetics. Polymer Engineering and Science, 2017, 57, 1193-1206.	1.5	10
88	Cellulose Functionalized High Molecular Weight Stereocomplex Polylactic Acid Biocomposite Films with Improved Gas Barrier, Thermomechanical Properties. ACS Sustainable Chemistry and Engineering, 2017, 5, 6835-6844.	3.2	67
89	Reactive Extrusion of Polylactic Acid/Cellulose Nanocrystal Films for Food Packaging Applications: Influence of Filler Type on Thermomechanical, Rheological, and Barrier Properties. Industrial & Engineering Chemistry Research, 2017, 56, 4718-4735.	1.8	76
90	Recycling of poly (lactic acid)/silk based bionanocomposites films and its influence on thermal stability, crystallization kinetics, solution and melt rheology. International Journal of Biological Macromolecules, 2017, 101, 580-594.	3.6	29

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91	Theoretical and analyzed data related to thermal degradation kinetics of poly (L -lactic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 7 2017, 10, 304-311.	0.5	11
92	Designing of Poly(l-lactide)â€“Nicotine Conjugates: Mechanistic and Kinetic Studies and Thermal Release Behavior of Nicotine. ACS Omega, 2017, 2, 6131-6142.	1.6	7
93	Melt processing of biodegradable poly(lactic acid)/functionalized chitosan nanocomposite films: mechanical modeling with improved oxygen barrier and thermal properties. Journal of Polymer Research, 2017, 24, 1.	1.2	19
94	Nanosilk-Grafted Poly(lactic acid) Films: Influence of Cross-Linking on Rheology and Thermal Stability. ACS Omega, 2017, 2, 7071-7084.	1.6	44
95	Multifunctional Nanohydroxyapatite-Promoted Toughened High-Molecular-Weight Stereocomplex Poly(lactic acid)-Based Bionanocomposite for Both 3D-Printed Orthopedic Implants and High-Temperature Engineering Applications. ACS Omega, 2017, 2, 4039-4052.	1.6	54
96	Plasticizing effect of coconut oil on morphological, mechanical, thermal, rheological, barrier, and optical properties of poly(lactic acid): A promising candidate for food packaging. Journal of Applied Polymer Science, 2017, 134, 45390.	1.3	62
97	Thermal degradation kinetics of polylactic acid/acid fabricated cellulose nanocrystal based bionanocomposites. International Journal of Biological Macromolecules, 2017, 104, 827-836.	3.6	47
98	Pd(II) adsorption characteristics of glutaraldehyde cross-linked chitosan copolymer resin. International Journal of Biological Macromolecules, 2017, 94, 72-84.	3.6	112
99	Thermal degradation behaviour of nanoamphiphilic chitosan dispersed poly (lactic acid) bionanocomposite films. International Journal of Biological Macromolecules, 2017, 95, 1267-1279.	3.6	34
100	Chitosan from Muga silkworms (Antheraea assamensis) and its influence on thermal degradation behavior of poly(lactic acid) based biocomposite films. Journal of Applied Polymer Science, 2016, 133, .	1.3	9
101	Hydrolytic degradation behaviour of sucrose palmitate reinforced poly(lactic acid) nanocomposites. International Journal of Biological Macromolecules, 2016, 89, 70-80.	3.6	39
102	Silk nanocrystals stabilized melt extruded poly (lactic acid) nanocomposite films: Effect of recycling on thermal degradation kinetics and optimization studies. Thermochimica Acta, 2016, 643, 41-52.	1.2	31
103	Acid functionalized cellulose nanocrystals and its effect on mechanical, thermal, crystallization and surfaces properties of poly (lactic acid) bionanocomposites films: A comprehensive study. Polymer, 2016, 101, 75-92.	1.8	86
104	Nanoamphiphilic Chitosan Dispersed Poly(lactic acid) Bionanocomposite Films with Improved Thermal, Mechanical, and Gas Barrier Properties. Biomacromolecules, 2016, 17, 2603-2618.	2.6	106
105	Magnetic Cellulose Nanocrystal Based Anisotropic Polylactic Acid Nanocomposite Films: Influence on Electrical, Magnetic, Thermal, and Mechanical Properties. ACS Applied Materials & Interfaces, 2016, 8, 18393-18409.	4.0	93
106	<scp>PLA</scp>/functionalizedâ€gum arabic based bionanocomposite films for high gas barrier applications. Journal of Applied Polymer Science, 2016, 133, .	1.3	33
107	Thermally recyclable polylactic acid/cellulose nanocrystal films through reactive extrusion process. Polymer, 2016, 87, 268-282.	1.8	115
108	Non-isothermal crystallization kinetics of sucrose palmitate reinforced poly(lactic acid) bionanocomposites. Polymer Bulletin, 2016, 73, 21-38.	1.7	13

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109	Microwave assisted synthesis of biodiesel from soybean oil: Effect of poly (lactic acid)-oligomer on cold flow properties, IC engine performance and emission characteristics. Fuel, 2016, 170, 107-114.	3.4	32
110	Fabrication of Cellulose Nanocrystals from Agricultural Compost. Compost Science and Utilization, 2015, 23, 104-116.	1.2	21
111	Effect of cellulose nanocrystal polymorphs on mechanical, barrier and thermal properties of poly(lactic acid) based bionanocomposites. RSC Advances, 2015, 5, 60426-60440.	1.7	124
112	Effect of graphene content on the properties of poly(lactic acid) nanocomposites. RSC Advances, 2015, 5, 28410-28423.	1.7	106
113	Fabrication of cellulose nanocrystal supported stable Fe(0) nanoparticles: a sustainable catalyst for dye reduction, organic conversion and chemo-magnetic propulsion. Cellulose, 2015, 22, 3755-3771.	2.4	48
114	Influence of graphene on thermal degradation and crystallization kinetics behaviour of poly(lactic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.2	28
115	Poly (3-hydroxybutyrate)/cellulose nanocrystal films for food packaging applications: Barrier and migration studies. Polymer Engineering and Science, 2015, 55, 2388-2395.	1.5	99
116	Fabrication and characterization of sucrose palmitate reinforced poly(lactic acid) bionanocomposite films. Journal of Applied Polymer Science, 2015, 132, .	1.3	30
117	Thermal degradation kinetics of sucrose palmitate reinforced poly(lactic acid) biocomposites. International Journal of Biological Macromolecules, 2014, 65, 275-283.	3.6	55
118	Polyhydroxyalkanoates (PHA)-Cellulose Based Nanobiocomposites for Food Packaging Applications. ACS Symposium Series, 2014, , 275-314.	0.5	54
119	Cellulose Nanocrystals: A Potential Nanofiller for Food Packaging Applications. ACS Symposium Series, 2014, , 197-239.	0.5	27
120	High molecular weight poly (<scp>L</scp>â€lactic acid) clay nanocomposites via solidâ€state polymerization. Polymer Composites, 2011, 32, 497-509.	2.3	15
121	In situ synthesis of high molecular weight poly(<scp>L</scp>â€lactic acid) clay nanocomposites. Polymer Engineering and Science, 2011, 51, 2066-2077.	1.5	14
122	Solid state polymerization of poly(<scp>L</scp>â€lactide): Multipleâ€fold increase in molecular weight via an efficient catalyst system. Polymer Engineering and Science, 2011, 51, 2078-2084.	1.5	13
123	Melt processing of poly(<scp>L</scp>â€lactic acid) in the presence of organomodified anionic or cationic clays. Journal of Applied Polymer Science, 2011, 122, 112-125.	1.3	64
124	A comprehensive singleâ€particle model for solidâ€state polymerization of poly(<scp>L</scp>â€lactic acid). Journal of Applied Polymer Science, 2011, 122, 2966-2980.	1.3	6
125	Poly l-lactide-layered double hydroxide nanocomposites via in situ polymerization of l-lactide. Polymer Degradation and Stability, 2010, 95, 2563-2573.	2.7	78
126	Ring-opening polymerization of L-lactide using N-heterocyclic molecules: mechanistic, kinetics and DFT studies. Polymer Chemistry, 2010, 1, 1491.	1.9	43

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127	Ni(II) and Cu(II) complexes of phenoxy-ketimine ligands: Synthesis, structures and their utility in bulk ring-opening polymerization (ROP) of l-lactide. Polyhedron, 2007, 26, 4033-4044.	1.0	64
128	First Example of a Gold(I)N-Heterocyclic-Carbene-Based Initiator for the Bulk Ring-Opening Polymerization ofL-Lactide. European Journal of Inorganic Chemistry, 2006, 2006, 3724-3730.	1.0	83