Philippe Dubois

List of Publications by Year in descending order

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678 papers	45,612 citations	1994 101 h-index	3650 180 g-index
708 all docs	708 docs citations	708 times ranked	29172 citing authors

#	Article	IF	Citations
1	Polymer-layered silicate nanocomposites: preparation, properties and uses of a new class of materials. Materials Science and Engineering Reports, 2000, 28, 1-63.	31.8	5,527
2	New prospects in flame retardant polymer materials: From fundamentals to nanocomposites. Materials Science and Engineering Reports, 2009, 63, 100-125.	31.8	1,337
3	Polylactide (PLA)-based nanocomposites. Progress in Polymer Science, 2013, 38, 1504-1542.	24.7	992
4	PLA composites: From production to properties. Advanced Drug Delivery Reviews, 2016, 107, 17-46.	13.7	651
5	Bionanocomposites based on poly(Îµ-caprolactone)-grafted cellulose nanocrystals by ring-opening polymerization. Journal of Materials Chemistry, 2008, 18, 5002.	6.7	602
6	Controlled Radical Polymerization of Methacrylic Monomers in the Presence of a Bis(ortho-chelated) Arylnickel(II) Complex and Different Activated Alkyl Halides. Macromolecules, 1996, 29, 8576-8582.	4.8	547
7	New nanocomposite materials based on plasticized poly(l-lactide) and organo-modified montmorillonites: thermal and morphological study. Polymer, 2003, 44, 443-450.	3.8	455
8	Bio-based flame retardants: When nature meets fire protection. Materials Science and Engineering Reports, 2017, 117, 1-25.	31.8	429
9	Poly(Îµ-caprolactone)/clay nanocomposites prepared by melt intercalation: mechanical, thermal and rheological properties. Polymer, 2002, 43, 4017-4023.	3.8	398
10	Mechanisms and Kinetics of Thermal Degradation of Poly(Îµ-caprolactone). Biomacromolecules, 2001, 2, 288-294.	5.4	365
11	From Interfacial Ring-Opening Polymerization to Melt Processing of Cellulose Nanowhisker-Filled Polylactide-Based Nanocomposites. Biomacromolecules, 2011, 12, 2456-2465.	5.4	365
12	From controlled ring-opening polymerization to biodegradable aliphatic polyester: Especially poly(Î²-malic acid) derivatives. Progress in Polymer Science, 2006, 31, 723-747.	24.7	337
13	Vapor barrier properties of polycaprolactone montmorillonite nanocomposites: effect of clay dispersion. Polymer, 2003, 44, 2271-2279.	3.8	307
14	Synthesis and post-polymerisation modifications of aliphatic poly(carbonate)s prepared by ring-opening polymerisation. Chemical Society Reviews, 2013, 42, 1312-1336.	38.1	302
15	Dendrimer-like Star Block and Amphiphilic Copolymers by Combination of Ring Opening and Atom Transfer Radical Polymerization. Macromolecules, 1998, 31, 8691-8705.	4.8	298
16	Polylactide/montmorillonite nanocomposites: study of the hydrolytic degradation. Polymer Degradation and Stability, 2005, 87, 535-542.	5.8	277
17	Shape-memory polymers for multiple applications in the materials world. European Polymer Journal, 2016, 80, 268-294.	5.4	260
18	Polyethylene-layered silicate nanocomposites prepared by the polymerization-filling technique: synthesis and mechanical properties. Polymer, 2002, 43, 2123-2132.	3.8	255

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19	The production and properties of polylactide composites filled with expanded graphite. Polymer Degradation and Stability, 2010, 95, 889-900.	5.8	244
20	High-Performance Polylactide/ZnO Nanocomposites Designed for Films and Fibers with Special End-Use Properties. Biomacromolecules, 2011, 12, 1762-1771.	5.4	241
21	Novel Macromolecular Architectures Based on Aliphatic Polyesters: Relevance of the â€œCoordination-Insertionâ€•Ring-Opening Polymerization. , 1999, , 1-59.		237
22	Surface-initiated controlled polymerization as a convenient method for designing functional polymer brushes: From self-assembled monolayers to patterned surfaces. Progress in Polymer Science, 2012, 37, 157-181.	24.7	224
23	PLA-ZnO nanocomposite films: Water vapor barrier properties and specific end-use characteristics. European Polymer Journal, 2013, 49, 3471-3482.	5.4	219
24	Halogen bonding at work: recent applications in synthetic chemistry and materials science. CrystEngComm, 2013, 15, 3058-3071.	2.6	217
25	Maleation of polylactide (PLA) by reactive extrusion. Journal of Applied Polymer Science, 1999, 72, 477-485.	2.6	214
26	Preparation and Properties of Layered Silicate Nanocomposites Based on Ethylene Vinyl Acetate Copolymers. Macromolecular Rapid Communications, 2001, 22, 643-646.	3.9	209
27	New approach on the development of plasticized polylactide (PLA): Grafting of poly(ethylene glycol) (PEG) via reactive extrusion. European Polymer Journal, 2011, 47, 2134-2144.	5.4	209
28	Poly(Îµ-caprolactone)/Clay Nanocomposites by in-Situ Intercalative Polymerization Catalyzed by Dibutyltin Dimethoxide. Macromolecules, 2002, 35, 8385-8390.	4.8	208
29	Recent Advances in Ring-Opening Polymerization of Lactones and Related Compounds. Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics, 1995, 35, 379-418.	2.2	206
30	Controlled Radical Polymerization of Methyl Methacrylate in the Presence of Palladium Acetate, Triphenylphosphine, and Carbon Tetrachloride. Macromolecules, 1997, 30, 7631-7633.	4.8	206
31	Simultaneous Dual Living Polymerizations: A Novel One-Step Approach to Block and Graft Copolymers. Angewandte Chemie - International Edition, 1998, 37, 1274-1276.	13.8	205
32	Recent Advances in Reactive Extrusion Processing of Biodegradable Polymerâ€Based Compositions. Macromolecular Materials and Engineering, 2008, 293, 447-470.	3.6	204
33	Poly(É›-caprolactone) based nanocomposites reinforced by surface-grafted cellulose nanowhiskers via extrusion processing: Morphology, rheology, and thermo-mechanical properties. Polymer, 2011, 52, 1532-1538.	3.8	200
34	Dual Living Free Radical and Ring Opening Polymerizations from a Double-Headed Initiator. Macromolecules, 1998, 31, 213-219.	4.8	197
35	Preparation and characterisation of silicone-based coatings filled with carbon nanotubes and natural sepiolite and their application as marine fouling-release coatings. Biofouling, 2008, 24, 291-302.	2.2	197
36	Alternative Atom Transfer Radical Polymerization for MMA Using FeCl3and AIBN in the Presence of Triphenylphosphine:Â An Easy Way to Well-Controlled PMMAâ€. Macromolecules, 1998, 31, 545-547.	4.8	194

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37	Thermal and Morphological Characterization of Nanocomposites Prepared by in-Situ Polymerization of High-Density Polyethylene on Carbon Nanotubes. Macromolecules, 2007, 40, 6268-6276.	4.8	192
38	High Molecular Weight Poly(butylene succinate-co-butylene furandicarboxylate) Copolyesters: From Catalyzed Polycondensation Reaction to Thermomechanical Properties. Biomacromolecules, 2012, 13, 2973-2981.	5.4	192
39	Implementation of metal-free ring-opening polymerization in the preparation of aliphatic polycarbonate materials. Progress in Polymer Science, 2014, 39, 1144-1164.	24.7	189
40	Polylactide (PLA)-a new way of production. Polymer Engineering and Science, 1999, 39, 1311-1319.	3.1	181
41	Controlled Radical Polymerization of (Meth)acrylates by ATRP with NiBr2(PPh3)2as Catalystâ€. Macromolecules, 1999, 32, 27-35.	4.8	180
42	Controlled Radical Polymerization of Methyl Methacrylate Initiated by an Alkyl Halide in the Presence of the Wilkinson Catalyst. Macromolecules, 1998, 31, 542-544.	4.8	177
43	Metal Ion Implantation for the Fabrication of Stretchable Electrodes on Elastomers. Advanced Functional Materials, 2009, 19, 470-478.	14.9	175
44	Organocatalytic depolymerization of poly(ethylene terephthalate). Journal of Polymer Science Part A, 2011, 49, 1273-1281.	2.3	172
45	Free-Radical-Induced Grafting from Plasma Polymer Surfaces. Chemical Reviews, 2016, 116, 3975-4005.	47.7	168
46	Nucleation and Crystallization in Double Crystalline Poly(p-dioxanone)-b-poly(Îµ-caprolactone) Diblock Copolymers. Macromolecules, 2003, 36, 1633-1644.	4.8	167
47	Gas barrier properties of poly(?-caprolactone)/clay nanocomposites: Influence of the morphology and polymer/clay interactions. Journal of Polymer Science, Part B: Polymer Physics, 2005, 43, 205-214.	2.1	167
48	Controllable Processes for Generating Large Single Crystals of Poly(3â€hexylthiophene). Angewandte Chemie - International Edition, 2012, 51, 11131-11135.	13.8	165
49	Polymer/layered silicate nanocomposites by combined intercalative polymerization and melt intercalation: a masterbatch process. Polymer, 2003, 44, 2033-2040.	3.8	163
50	Crystallization Kinetics and Morphology of Biodegradable Double Crystalline PLLA-b-PCL Diblock Copolymers. Macromolecules, 2010, 43, 4149-4160.	4.8	163
51	Polylactide/cellulose nanocrystal nanocomposites: Efficient routes for nanofiber modification and effects of nanofiber chemistry on PLA reinforcement. Polymer, 2015, 65, 9-17.	3.8	163
52	Synthesis of a family of amphiphilic glycopolymers via controlled ring-opening polymerization of functionalized cyclic carbonates and their application in drug delivery. Biomaterials, 2010, 31, 2637-2645.	11.4	161
53	Macromolecular engineering of polylactones and polylactides. X. Selective end-functionalization of poly(D,L)-lactide. Journal of Polymer Science Part A, 1993, 31, 505-514.	2.3	160
54	Production of Starch Foams by Twin-Screw Extrusion:Â Effect of Maleated Poly(butylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td (ac	5.4	158

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55	Polylactide (PLA) designed with desired endâ€use properties: 1. PLA compositions with low molecular weight esterâ€like plasticizers and related performances. Polymers for Advanced Technologies, 2008, 19, 636-646.	3.2	156
56	Rheology, Processing, Tensile Properties, and Crystallization of Polyethylene/Carbon Nanotube Nanocomposites. Macromolecules, 2009, 42, 4719-4727.	4.8	153
57	New trends in polylactide (PLA)-based materials: â€œGreenâ€•PLAâ€“Calcium sulfate (nano)composites tailored with flame retardant properties. Polymer Degradation and Stability, 2010, 95, 374-381.	5.8	153
58	Crystallization in Poly(l-lactide)-b-poly(Îµ-caprolactone) Double Crystalline Diblock Copolymers:Â A Study Using X-ray Scattering, Differential Scanning Calorimetry, and Polarized Optical Microscopy. Macromolecules, 2005, 38, 463-472.	4.8	152
59	Effect of expanded graphite/layered-silicate clay on thermal, mechanical and fire retardant properties of poly(lactic acid). Polymer Degradation and Stability, 2010, 95, 1063-1076.	5.8	151
60	Ionic Liquid Droplet as e-Microreactor. Analytical Chemistry, 2006, 78, 4909-4917.	6.5	150
61	Designing Multiple-Shape Memory Polymers with Miscible Polymer Blends: Evidence and Origins of a Triple-Shape Memory Effect for Miscible PLLA/PMMA Blends. Macromolecules, 2014, 47, 6791-6803.	4.8	147
62	Biodegradation of poly(Îµ-caprolactone)/starch blends and composites in composting and culture environments: the effect of compatibilization on the inherent biodegradability of the host polymer. Carbohydrate Research, 2003, 338, 1759-1769.	2.3	146
63	Probeâ€Based 3â€Ð Nanolithography Using Selfâ€Amplified Depolymerization Polymers. Advanced Materials, 2010, 22, 3361-3365.	21.0	146
64	Alcohol Adducts ofN-Heterocyclic Carbenes:Â Latent Catalysts for the Thermally-Controlled Living Polymerization of Cyclic Esters. Macromolecules, 2006, 39, 5617-5628.	4.8	144
65	Functionalized cyclic carbonates: from synthesis and metal-free catalyzed ring-opening polymerization to applications. Polymer Chemistry, 2011, 2, 528-533.	3.9	144
66	Macromolecular Engineering of Polylactones and Polylactides. 19. Kinetics of Ring-Opening Polymerization of Îµ-Caprolactone Initiated with Functional Aluminum Alkoxides. Macromolecules, 1996, 29, 1965-1975.	4.8	143
67	Plasticization of poly(lactide) with blends of tributyl citrate and low molecular weight poly(d,l-lactide)-b-poly(ethylene glycol) copolymers. European Polymer Journal, 2009, 45, 2839-2848.	5.4	143
68	Latent, Thermally Activated Organic Catalysts for the On-Demand Living Polymerization of Lactide. Angewandte Chemie - International Edition, 2005, 44, 4964-4968.	13.8	142
69	Flame retardant polymer materials: An update and the future for 3D printing developments. Materials Science and Engineering Reports, 2021, 144, 100604.	31.8	141
70	Aliphatic polyester-grafted starch-like polysaccharides by ring-opening polymerization. Polymer, 1999, 40, 3091-3100.	3.8	140
71	Phosphorus and nitrogen derivatization as efficient route for improvement of lignin flame retardant action in PLA. European Polymer Journal, 2016, 84, 652-667.	5.4	139
72	Ring-Opening Polymerization of 1,4,8-Trioxaspiro[4.6]-9-undecanone:Â A New Route to Aliphatic Polyesters Bearing Functional Pendent Groups. Macromolecules, 1997, 30, 406-409.	4.8	137

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73	Controlled Ring-Opening Polymerization of Îµ-Caprolactone Promoted by â€œin Situâ€•Formed Yttrium Alkoxides. Macromolecules, 2000, 33, 1530-1535.	4.8	135
74	Polymer-layered silicateâ€“carbon nanotube nanocomposites: unique nanofiller synergistic effect. Composites Science and Technology, 2004, 64, 2317-2323.	7.8	135
75	Self-nucleation and crystallization kinetics of double crystalline poly(p-dioxanone)-b-poly(Îµ-caprolactone) diblock copolymers. Faraday Discussions, 2005, 128, 231-252.	3.2	135
76	Exfoliated Polylactide/Clay Nanocomposites by In-Situ Coordinationâ€“Insertion Polymerization. Macromolecular Rapid Communications, 2003, 24, 561-566.	3.9	134
77	Organocatalytic Synthesis and Postpolymerization Functionalization of Allyl-Functional Poly(carbonate)s. Macromolecules, 2011, 44, 2084-2091.	4.8	134
78	Maleated thermoplastic starch by reactive extrusion. Carbohydrate Polymers, 2008, 74, 159-169.	10.2	133
79	Biobased poly(butylene 2,5-furandicarboxylate) and poly(butylene adipate-co-butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 thermo-mechanical properties. Polymer, 2014, 55, 3648-3655.	3.8	131
80	Recent advances in high performance poly(lactide): from â€œgreenâ€•plasticization to super-tough materials via (reactive) compounding. Frontiers in Chemistry, 2013, 1, 32.	3.6	129
81	Eugenol-based benzoxazine: from straight synthesis to taming of the network properties. Journal of Materials Chemistry A, 2015, 3, 6012-6018.	10.3	128
82	Free radical branching of polylactide by reactive extrusion. Polymer Engineering and Science, 1998, 38, 311-321.	3.1	127
83	Microdomain Morphology Analysis of Block Copolymers by Atomic Force Microscopy with Phase Detection Imaging. Langmuir, 1996, 12, 4317-4320.	3.5	123
84	Actuation potentials and capillary forces in electrowetting based microsystems. Sensors and Actuators A: Physical, 2007, 134, 471-479.	4.1	123
85	Biodegradable compositions by reactive processing of aliphatic polyester/polysaccharide blends. Macromolecular Symposia, 2003, 198, 233-244.	0.7	122
86	â€œOne-Potâ€•Preparation of Polymer/Clay Nanocomposites Starting from Na+Montmorillonite. 1. Melt Intercalation of Ethyleneâ^Vinyl Acetate Copolymer. Chemistry of Materials, 2001, 13, 3830-3832.	6.7	120
87	Thermoreversibly Crosslinked Poly(Îµâ€caprolactone) as Recyclable Shapeâ€Memory Polymer Network. Macromolecular Rapid Communications, 2011, 32, 1264-1269.	3.9	120
88	Photochemical Behavior of Polylactide/ZnO Nanocomposite Films. Biomacromolecules, 2012, 13, 3283-3291.	5.4	117
89	New development on plasticized poly(lactide): Chemical grafting of citrate on PLA by reactive extrusion. European Polymer Journal, 2012, 48, 404-415.	5.4	115
90	PLA/Halloysite Nanocomposite Films: Water Vapor Barrier Properties and Specific Key Characteristics. Macromolecular Materials and Engineering, 2014, 299, 104-115.	3.6	115

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91	Design of Crossâ€Linked Semicrystalline Poly(Îµâ€•caprolactone)â€Based Networks with Oneâ€Way and Twoâ€Way Shapeâ€Memory Properties through Dielsâ€“Alder Reactions. Chemistry - A European Journal, 2011, 17, 10135-10143.	3.3	114
92	Poly(ethylene-co-vinyl acetate)/clay nanocomposites: Effect of clay nature and organic modifiers on morphology, mechanical and thermal properties. Polymer Degradation and Stability, 2005, 90, 288-294.	5.8	113
93	Plasticized polylactide/clay nanocomposites. I. The role of filler content and its surface organo-modification on the physico-chemical properties. Journal of Polymer Science, Part B: Polymer Physics, 2006, 44, 299-311.	2.1	113
94	Photooxidation of polylactide/calcium sulphate composites. Polymer Degradation and Stability, 2011, 96, 616-623.	5.8	111
95	In situ compatibilization of maleated thermoplastic starch/polyester meltâ€blends by reactive extrusion. Polymer Engineering and Science, 2008, 48, 1747-1754.	3.1	110
96	Surface-Initiated Ring-Opening Polymerization:Â A Versatile Method for Nanoparticle Ordering. Macromolecules, 2002, 35, 8400-8404.	4.8	109
97	How Carbon Nanotube Crushing can Improve Flame Retardant Behaviour in Polymer Nanocomposites?. Macromolecular Rapid Communications, 2007, 28, 260-264.	3.9	107
98	Hydrogenâ€Bonding Catalysts Based on Fluorinated Alcohol Derivatives for Living Polymerization. Angewandte Chemie - International Edition, 2009, 48, 5170-5173.	13.8	107
99	Supported coordination polymerization: a unique way to potent polyolefin carbon nanotube nanocomposites. Chemical Communications, 2005, , 781.	4.1	106
100	Supernucleation and crystallization regime change provoked by MWNT addition to poly(Îµ-caprolactone). Polymer, 2012, 53, 832-841.	3.8	106
101	Organocatalysis Paradigm Revisited: Are Metal-Free Catalysts Really Harmless?. Biomacromolecules, 2015, 16, 507-514.	5.4	106
102	(Plasticized) Polylactide/(Organo-)Clay Nanocomposites by in situ Intercalative Polymerization. Macromolecular Chemistry and Physics, 2005, 206, 484-498.	2.2	105
103	Polymer/carbon nanotube nanocomposites: Influence of carbon nanotubes on EVA photodegradation. Polymer Degradation and Stability, 2007, 92, 1873-1882.	5.8	105
104	Polytetrahydrofuran/Clay Nanocomposites by In Situ Polymerization and â€œClickâ€•Chemistry Processes. Macromolecules, 2008, 41, 6035-6040.	4.8	105
105	How Composition Determines the Properties of Isodimorphic Poly(butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 187 Td (su Crystalline Random Copolymers. Macromolecules, 2015, 48, 43-57.	4.8	105
106	Voltage Control of the Resonance Frequency of Dielectric Electroactive Polymer (DEAP) Membranes. Journal of Microelectromechanical Systems, 2008, 17, 1072-1081.	2.5	102
107	Polyester-Grafted Cellulose Nanowhiskers: A New Approach for Tuning the Microstructure of Immiscible Polyester Blends. ACS Applied Materials & Interfaces, 2012, 4, 3364-3371.	8.0	98
108	Bio-based high performance thermosets: Stabilization and reinforcement of eugenol-based benzoxazine networks with BMI and CNT. European Polymer Journal, 2015, 67, 494-502.	5.4	98

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109	Phytic acidâ€“lignin combination: A simple and efficient route for enhancing thermal and flame retardant properties of polylactide. European Polymer Journal, 2017, 94, 270-285.	5.4	98
110	Multifunctional graphene/POSS epoxy resin tailored for aircraft lightning strike protection. Composites Part B: Engineering, 2018, 140, 44-56.	12.0	98
111	Block and random copolymers of Îµ-caprolactone. Polymer Degradation and Stability, 1998, 59, 215-222.	5.8	97
112	Metallic phytates as efficient bio-based phosphorous flame retardant additives for poly(lactic acid). Polymer Degradation and Stability, 2015, 119, 217-227.	5.8	97
113	Controlled Ring-Opening Polymerization of Îµ-Caprolactone in the Presence of Layered Silicates and Formation of Nanocomposites. Macromolecules, 2002, 35, 3318-3320.	4.8	96
114	(Plasticized) Polylactide/clay nanocomposite textile: thermal, mechanical, shrinkage and fire properties. Journal of Materials Science, 2007, 42, 5105-5117.	3.7	95
115	Controlled Synthesis of Poly(Îµ-caprolactone)-Grafted Dextran Copolymers as Potential Environmentally Friendly Surfactants. Macromolecules, 2000, 33, 6713-6721.	4.8	94
116	Thermal Fractionation and Isothermal Crystallization of Polyethylene Nanocomposites Prepared by in Situ Polymerization. Macromolecules, 2008, 41, 2087-2095.	4.8	94
117	Versatile and Controlled Synthesis of Star and Branched Macromolecules by Dentritic Initiation. Macromolecules, 1997, 30, 8508-8511.	4.8	93
118	Biodegradable and biocompatible inorganic?organic hybrid materials. I. Synthesis and characterization. Journal of Polymer Science Part A, 1997, 35, 2295-2309.	2.3	93
119	Polylactide compositions. Part 1: Effect of filler content and size on mechanical properties of PLA/calcium sulfate composites. Polymer, 2007, 48, 2613-2618.	3.8	92
120	Modification of Poly(ethylene 2,5-furandicarboxylate) with Biobased 1,5-Pentanediol: Significantly Toughened Copolyesters Retaining High Tensile Strength and O₂ Barrier Property. Biomacromolecules, 2019, 20, 353-364.	5.4	92
121	New developments on the ring opening polymerisation of polylactide. Industrial Crops and Products, 2000, 11, 265-275.	5.2	91
122	Polylactide (PLA)â€“CaSO4 composites toughened with low molecular weight and polymeric ester-like plasticizers and related performances. European Polymer Journal, 2008, 44, 3842-3852.	5.4	91
123	Macromolecular Engineering of Polylactones and Polylactides. 20. Effect of Monomer, Solvent, and Initiator on the Ring-Opening Polymerization As Initiated with Aluminum Alkoxides. Macromolecules, 1995, 28, 7589-7598.	4.8	88
124	Single-step reactive extrusion of PLLA in a corotating twin-screw extruder promoted by 2-ethylhexanoic acid tin(II) salt and triphenylphosphine. Polymer, 2000, 41, 3395-3403.	3.8	88
125	Poly(lactic acid)/carbon nanotube nanocomposites with integrated degradation sensing. Polymer, 2013, 54, 6818-6823.	3.8	88
126	Simple Approach for a Self-Healable and Stiff Polymer Network from Iminoboronate-Based Boroxine Chemistry. Chemistry of Materials, 2019, 31, 3736-3744.	6.7	87

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127	Metal-Free Catalyzed Ring-Opening Polymerization of Î²-Lactones: Synthesis of Amphiphilic Triblock Copolymers Based on Poly(dimethylmalic acid). Macromolecules, 2006, 39, 4001-4008.	4.8	86
128	Macromolecular engineering of polylactones and polylactides. Polymer Bulletin, 1989, 22, 475-482.	3.3	85
129	Stereocomplexation of Polylactide Enhanced by Poly(methyl methacrylate): Improved Processability and Thermomechanical Properties of Stereocomplexable Polylactide-Based Materials. ACS Applied Materials & Interfaces, 2013, 5, 11797-11807.	8.0	85
130	Controlled synthesis of amphiphilic biodegradable polylactide-grafted dextran copolymers. Journal of Polymer Science Part A, 2004, 42, 2577-2588.	2.3	82
131	Large-Stroke Dielectric Elastomer Actuators With Ion-Implanted Electrodes. Journal of Microelectromechanical Systems, 2009, 18, 1300-1308.	2.5	82
132	New poly(acrylic acid) containing segmented copolymer structures by combination of â€œclickâ€• chemistry and atom transfer radical polymerization. Reactive and Functional Polymers, 2007, 67, 1168-1180.	4.1	81
133	Effect of the addition of polyester-grafted-cellulose nanocrystals on the shape memory properties of biodegradable PLA/PCL nanocomposites. Polymer Degradation and Stability, 2018, 152, 126-138.	5.8	81
134	Beneficial effect of triphenylphosphine on the bulk polymerization of <scp>L</scp> , <scp>L</scp> â€lactide promoted by 2â€ethylhexanoic acid tin (II) salt. Journal of Polymer Science Part A, 1999, 37, 2413-2420.	2.3	80
135	New catalysis for fast bulk ringâ€opening polymerization of lactide monomers. Macromolecular Symposia, 1999, 144, 289-302.	0.7	80
136	Polyester layered silicate nanohybrids by controlled grafting polymerization. Journal of Materials Chemistry, 2002, 12, 3528-3532.	6.7	80
137	New organicâ€“inorganic nanohybrids via ring opening polymerization of (di)lactones initiated by functionalized polyhedral oligomeric silsesquioxane. European Polymer Journal, 2007, 43, 4103-4113.	5.4	80
138	Polylactide Stereocomplex-Based Electrospun Materials Possessing Surface with Antibacterial and Hemostatic Properties. Biomacromolecules, 2010, 11, 151-159.	5.4	80
139	Functionalization of carbon nanotubes by atomic nitrogen formed in a microwave plasma Ar + N2and subsequent poly(Îµ-caprolactone) grafting. Journal of Materials Chemistry, 2007, 17, 157-159.	6.7	79
140	Probe-Based Nanolithography: Self-Amplified Depolymerization Media for Dry Lithography. Macromolecules, 2010, 43, 572-574.	4.8	79
141	Polylactide (PLA)â€”Halloysite Nanocomposites: Production, Morphology and Key-Properties. Journal of Polymers and the Environment, 2012, 20, 932-943.	5.0	79
142	Synthesis and Characterization of Biodegradable Homopolymers and Block Copolymers Based on 1,5-Dioxepan-2-one. Macromolecules, 1994, 27, 5556-5562.	4.8	78
143	PLLA/PMMA blends: A shear-induced miscibility with tunable morphologies and properties?. Polymer, 2013, 54, 3931-3939.	3.8	78
144	Highly Functional Branched and Dendri-Graft Aliphatic Polyesters through Ring Opening Polymerization. Macromolecules, 1998, 31, 2756-2763.	4.8	77

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145	Biodegradable polyester layered silicate nanocomposites based on poly(Ïµ-caprolactone). Polymer Engineering and Science, 2002, 42, 1928-1937.	3.1	77
146	Expanding the role of chemistry to produce new amphiphilic polymer (co)networks. Soft Matter, 2009, 5, 4878.	2.7	77
147	Toughening of polylactide by tailoring phase-morphology with P[CL-co-LA] random copolyesters as biodegradable impact modifiers. European Polymer Journal, 2013, 49, 914-922.	5.4	77
148	Oneâ€Pot Synthesis of Wellâ€Defined Amphiphilic and Adaptative Block Copolymers via Versatile Combination of â€œClickâ€•Chemistry and ATRP. Macromolecular Rapid Communications, 2007, 28, 2151-2158.	3.9	76
149	Polyelectrolyte Complexes between (Cross-linked)N-Carboxyethylchitosan and (Quaternized) Poly[2-(dimethylamino)ethyl methacrylate]:Â Preparation, Characterization, and Antibacterial Properties. Biomacromolecules, 2007, 8, 976-984.	5.4	75
150	How can Nanohybrids Enhance Polyester/Sepiolite Nanocomposite Properties?. Macromolecular Chemistry and Physics, 2007, 208, 2542-2550.	2.2	75
151	Healing by the Joule effect of electrically conductive poly(ester-urethane)/carbon nanotube nanocomposites. Journal of Materials Chemistry A, 2016, 4, 4089-4097.	10.3	75
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