Ann-Christine Albertsson

List of Publications by Year
in descending order

322 papers	17,855 citations	11651 70 h-index	19749 117 g-index
331 all docs	331 docs citations	331 times ranked	13345 citing authors

#	Article	IF	Citations
1	Future of Biomacromolecules at a Crossroads of Polymer Science and Biology. Biomacromolecules, 2020, 21, 1-6.	5.4	6
2	Polyhydroxyalkanoates and Other Biopolymers. Biomacromolecules, 2019, 20, 3211-3212.	5.4	12
3	Celebrating 20 years of Biomacromolecules!. Biomacromolecules, 2019, 20, 767-768.	5.4	3
4	Recyclable Fully Biobased Chitosan Adsorbents Spray-Dried in One Pot to Microscopic Size and Enhanced Adsorption Capacity. Biomacromolecules, 2019, 20, 1956-1964.	5.4	28
5	Rational Design of Multifunctional Renewable-Resourced Materials. Biomacromolecules, 2019, 20, 569-572.	5.4	2
6	Editorial. Biomacromolecules, 2018, 19, 1-2.	5.4	1
7	Polymers at the Interface with Biology. Biomacromolecules, 2018, 19, 3151-3162.	5.4	10
8	Editorial. Biomacromolecules, 2017, 18, 313-314.	5.4	0
9	Synthesis of full interpenetrating hemicellulose hydrogel networks. Carbohydrate Polymers, 2017, 170, 254-263.	10.2	31
10	Transfer of Biomatrix/Wood Cell Interactions to Hemicellulose-Based Materials to Control Water Interaction. Chemical Reviews, 2017, 117, 8177-8207.	47.7	50
11	Designed to degrade. Science, 2017, 358, 872-873.	12.6	235
12	Highlighting the Importance of Surface Grafting in Combination with a Layer-by-Layer Approach for Fabricating Advanced 3D Poly(<scp>l</scp>-lactide) Microsphere Scaffolds. Chemistry of Materials, 2016, 28, 3298-3307.	6.7	8
13	Simultaneous Polymerization and Polypeptide Particle Production via Reactive Spray-Drying. Biomacromolecules, 2016, 17, 2930-2936.	5.4	7
14	Green Semi-IPN Hydrogels by Direct Utilization of Crude Wood Hydrolysates. ACS Sustainable Chemistry and Engineering, 2016, 4, 4370-4377.	6.7	23
15	Switching from Controlled Ring-Opening Polymerization (cROP) to Controlled Ring-Closing Depolymerization (cRCDP) by Adjusting the Reaction Parameters That Determine the Ceiling Temperature. Biomacromolecules, 2016, 17, 3995-4002.	5.4	62
16	Toward â€œGreenâ€•Hybrid Materials: Coreâ€“Shell Particles with Enhanced Impact Energy Absorbing Ability. ACS Sustainable Chemistry and Engineering, 2016, 4, 3757-3765.	6.7	7
17	Forecasting linear aliphatic copolyester degradation through modular block design. Polymer Degradation and Stability, 2016, 130, 58-67.	5.8	11
18	Thermodynamic Presynthetic Considerations for Ring-Opening Polymerization. Biomacromolecules, 2016, 17, 699-709.	5.4	160

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19	Controlled copolymerization of the functional 5-membered lactone monomer, Î±-bromo-Î³-butyrolactone, via selective organocatalysis. Polymer, 2016, 87, 17-25.	3.8	14
20	Recycling Oxidized Model Polyethylene Powder as a Degradation Enhancing Filler for Polyethylene/Polycaprolactone Blends. ACS Sustainable Chemistry and Engineering, 2016, 4, 129-135.	6.7	21
21	Design of renewable poly(amidoamine)/hemicellulose hydrogels for heavy metal adsorption. Journal of Applied Polymer Science, 2015, 132, .	2.6	18
22	Tuning loading and release by modification of micelle core crystallinity and preparation. Polymers for Advanced Technologies, 2015, 26, 880-888.	3.2	16
23	The nature of polymer grafts and substrate shape on the surface degradation of poly(<scp>l</scp>â€lactide). Journal of Applied Polymer Science, 2015, 132, .	2.6	5
24	Disaggregation and Anionic Activation of Nanodiamonds Mediated by Sodium Hydrideâ€"A New Route to Functional Aliphatic Polyesterâ€Based Nanodiamond Materials. Particle and Particle Systems Characterization, 2015, 32, 35-42.	2.3	14
25	Macromolecular Design via an Organocatalytic, Monomer-Specific and Temperature-Dependent â€œOn/Off Switchâ€• High Precision Synthesis of Polyester/Polycarbonate Multiblock Copolymers. Macromolecules, 2015, 48, 1703-1710.	4.8	47
26	Reinforced Degradable Biocomposite by Homogenously Distributed Functionalized Nanodiamond Particles. Macromolecular Materials and Engineering, 2015, 300, 436-447.	3.6	21
27	Thiolated Hemicellulose As a Versatile Platform for One-Pot Click-Type Hydrogel Synthesis. Biomacromolecules, 2015, 16, 667-674.	5.4	44
28	In Situ Cross-Linking of Stimuli-Responsive Hemicellulose Microgels during Spray Drying. ACS Applied Materials & Interfaces, 2015, 7, 4202-4215.	8.0	40
29	In Situ Synthesis of Magnetic Field-Responsive Hemicellulose Hydrogels for Drug Delivery. Biomacromolecules, 2015, 16, 2522-2528.	5.4	150
30	Barriers from wood hydrolysate/quaternized cellulose polyelectrolyte complexes. Cellulose, 2015, 22, 1977-1991.	4.9	12
31	Selective degradation in aliphatic block copolyesters by controlling the heterogeneity of the amorphous phase. Polymer Chemistry, 2015, 6, 3271-3282.	3.9	25
32	Homocomposites of Polylactide (PLA) with Induced Interfacial Stereocomplex Crystallites. ACS Sustainable Chemistry and Engineering, 2015, 3, 2220-2231.	6.7	50
33	Staphylococcus epidermidisBacteremia Induces Brain Injury in Neonatal Mice via Toll-like Receptor 2-Dependent and -Independent Pathways. Journal of Infectious Diseases, 2015, 212, 1480-1490.	4.0	33
34	Enhanced formability and mechanical performance of wood hydrolysate films through reductive amination chain extension. Carbohydrate Polymers, 2015, 117, 346-354.	10.2	14
35	Nanoâ€Stereocomplexation of Polylactide (PLA) Spheres by Spray Droplet Atomization. Macromolecular Rapid Communications, 2014, 35, 1949-1953.	3.9	28
36	The immune response after hypoxia-ischemia in a mouse model of preterm brain injury. Journal of Neuroinflammation, 2014, 11, 153.	7.2	63

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37	The effect of osteopontin and osteopontin-derived peptides on preterm brain injury. Journal of Neuroinflammation, 2014, 11, 197.	7.2	28
38	Preparation for drilling well IDDP-2 at Reykjanes. Geothermics, 2014, 49, 119-126.	3.4	20
39	Exploring the Biodegradation Potential of Polyethylene Through a Simple Chemical Test Method. Journal of Polymers and the Environment, 2014, 22, 69-77.	5.0	17
40	The concept of the Iceland deep drilling project. Geothermics, 2014, 49, 2-8.	3.4	71
41	Establishing Î±-bromo-Î³-butyrolactone as a platform for synthesis of functional aliphatic polyesters â€“ bridging the gap between ROP and SET-LRP. Polymer Chemistry, 2014, 5, 3847-3854.	3.9	31
42	Induced redox responsiveness and electroactivity for altering the properties of micelles without external stimuli. Soft Matter, 2014, 10, 4028-4036.	2.7	12
43	Adjustable Degradation Properties and Biocompatibility of Amorphous and Functional Poly(ester-acrylate)-Based Materials. Biomacromolecules, 2014, 15, 2800-2807.	5.4	41
44	Surfactant as a Critical Factor When Tuning the Hydrophilicity in Three-Dimensional Polyester-Based Scaffolds: Impact of Hydrophilicity on Their Mechanical Properties and the Cellular Response of Human Osteoblast-Like Cells. Biomacromolecules, 2014, 15, 1259-1268.	5.4	18
45	Tuning the Degradation Profiles of Poly(<scp>l</scp>-lactide)-Based Materials through Miscibility. Biomacromolecules, 2014, 15, 391-402.	5.4	69
46	Ring-Closing Depolymerization: A Powerful Tool for Synthesizing the Allyloxy-Functionalized Six-Membered Aliphatic Carbonate Monomer 2-Allyloxymethyl-2-ethyltrimethylene Carbonate. Macromolecules, 2014, 47, 6189-6195.	4.8	54
47	Upgrading of wood pre-hydrolysis liquor for renewable barrier design: a techno-economic consideration. Cellulose, 2014, 21, 2045-2062.	4.9	8
48	Unrefined wood hydrolysates are viable reactants for the reproducible synthesis of highly swellable hydrogels. Carbohydrate Polymers, 2014, 108, 281-290.	10.2	17
49	Facile and Green Approach towards Electrically Conductive Hemicellulose Hydrogels with Tunable Conductivity and Swelling Behavior. Chemistry of Materials, 2014, 26, 4265-4273.	6.7	83
50	Drilling into magma and the implications of the Iceland Deep Drilling Project (IDDP) for high-temperature geothermal systems worldwide. Geothermics, 2014, 49, 111-118.	3.4	92
51	A robust pathway to electrically conductive hemicellulose hydrogels with high and controllable swelling behavior. Polymer, 2014, 55, 2967-2976.	3.8	76
52	Adapting wood hydrolysate barriers to high humidity conditions. Carbohydrate Polymers, 2014, 100, 135-142.	10.2	19
53	A controlled radical polymerization route to polyepoxidated grafted hemicellulose materials. Polimery, 2014, 59, 60-65.	0.7	10
54	Polyesters with small structural variations improve the mechanical properties of polylactide. Journal of Applied Polymer Science, 2013, 127, 27-33.	2.6	23

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55	Stereocomplexation between PLA-like substituted oligomers and the influence on the hydrolytic degradation. Polymer, 2013, 54, 4105-4111.	3.8	36
56	Îµ-Decalactone: A Thermoresilient and Toughening Comonomer to Poly(<scp>l</scp>-lactide). Biomacromolecules, 2013, 14, 2883-2890.	5.4	110
57	Crosslinked PVAL nanofibers with enhanced longâ€term stability prepared by singleâ€step electrospinning. Polymers for Advanced Technologies, 2013, 24, 421-429.	3.2	6
58	Achieving Micelle Control through Core Crystallinity. Biomacromolecules, 2013, 14, 4150-4156.	5.4	105
59	Turning Hardwood Dissolving Pulp Polysaccharide Residual Material into Barrier Packaging. Biomacromolecules, 2013, 14, 2929-2936.	5.4	34
60	Copolymerization of 2-Methylene-1,3-dioxepane and Glycidyl Methacrylate, a Well-Defined and Efficient Process for Achieving Functionalized Polyesters for Covalent Binding of Bioactive Molecules. Biomacromolecules, 2013, 14, 2095-2102.	5.4	57
61	Biodegradable and electrically conducting polymers for biomedical applications. Progress in Polymer Science, 2013, 38, 1263-1286.	24.7	527
62	Innovative Approaches for Converting a Wood Hydrolysate to High-Quality Barrier Coatings. ACS Applied Materials & Interfaces, 2013, 5, 7748-7757.	8.0	13
63	Force Interactions of Nonagglomerating Polylactide Particles Obtained through Covalent Surface Grafting with Hydrophilic Polymers. Langmuir, 2013, 29, 8873-8881.	3.5	12
64	Polylactides with â€œgreenâ€•plasticizers: Influence of isomer composition. Journal of Applied Polymer Science, 2013, 130, 2962-2970.	2.6	22
65	Wood Hydrolysate Barriers: Performance Controlled via Selective Recovery. Biomacromolecules, 2012, 13, 466-473.	5.4	44
66	Nondestructive Covalent â€œGrafting-fromâ€•of Poly(lactide) Particles of Different Geometries. ACS Applied Materials & Interfaces, 2012, 4, 2978-2984.	8.0	18
67	Prehydrolysis in Softwood Pulping Produces a Valuable Biorefinery Fraction for Material Utilization. Environmental Science & Technology, 2012, 46, 8389-8396.	10.0	25
68	Positron Lifetime Reveals the Nano Level Packing in Complex Polysaccharide-Rich Hydrolysate Matrixes. Analytical Chemistry, 2012, 84, 3676-3681.	6.5	11
69	Retrostructural Model To Predict Biomass Formulations for Barrier Performance. Biomacromolecules, 2012, 13, 2570-2577.	5.4	9
70	Nanoclay effects on the degradation process and product patterns of polylactide. Polymer Degradation and Stability, 2012, 97, 1254-1260.	5.8	42
71	Frontiers in Biomacromolecules: Functional Materials from Nature. Biomacromolecules, 2012, 13, 3901-3901.	5.4	3
72	Crucial Differences in the Hydrolytic Degradation between Industrial Polylactide and Laboratory-Scale Poly(<scp>L</scp>-lactide). ACS Applied Materials & Interfaces, 2012, 4, 2788-2793.	8.0	111

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73	Electroactive Hydrophilic Polylactide Surface by Covalent Modification with Tetraaniline. Macromolecules, 2012, 45, 652-659.	4.8	62
74	Modification of birch xylan by lactide-grafting. Nordic Pulp and Paper Research Journal, 2012, 27, 518-524.	0.7	4
75	Synthetic pathways enables the design of functionalized poly(lactic acid) with pendant mercapto groups. Journal of Polymer Science Part A, 2012, 50, 792-800.	2.3	14
76	SETâ€LRP goes â€œgreenâ€: Various hemicellulose initiating systems under nonâ€inert conditions. Journal of Polymer Science Part A, 2012, 50, 2650-2658.	2.3	32
77	Mainâ€chain functionalization of poly(<scp>L</scp>â€lactide) with pendant unsaturations. Journal of Polymer Science Part A, 2012, 50, 3039-3045.	2.3	3
78	Random introduction of degradable linkages into functional vinyl polymers by radical ring-opening polymerization, tailored for soft tissue engineering. Polymer Chemistry, 2012, 3, 1260.	3.9	74
79	Customizing the Hydrolytic Degradation Rate of Stereocomplex PLA through Different PDLA Architectures. Biomacromolecules, 2012, 13, 1212-1222.	5.4	98
80	Integrin-mediated adhesion of human mesenchymal stem cells to extracellular matrix proteins adsorbed to polymer surfaces. Biomedical Materials (Bristol), 2012, 7, 035011.	3.3	23
81	Degradable amorphous scaffolds with enhanced mechanical properties and homogeneous cell distribution produced by a threeâ€dimensional fiber deposition method. Journal of Biomedical Materials Research - Part A, 2012, 100A, 2739-2749.	4.0	32
82	Electroactive porous tubular scaffolds with degradability and non-cytotoxicity for neural tissue regeneration. Acta Biomaterialia, 2012, 8, 144-153.	8.3	105
83	Microsphere valorization of forestry derived hydrolysates. European Polymer Journal, 2012, 48, 372-383.	5.4	3
84	Odour perception â€“ A rapid and easy method to detect early degradation of polymers. Polymer Degradation and Stability, 2012, 97, 481-487.	5.8	19
85	Long-term properties and migration of low molecular mass compounds from modified PLLA materials during accelerated ageing. Polymer Degradation and Stability, 2012, 97, 914-920.	5.8	21
86	Assessing the Degradation Profile of Functional Aliphatic Polyesters with Precise Control of the Degradation Products. Macromolecular Bioscience, 2012, 12, 260-268.	4.1	15
87	Macromolecular Design of Aliphatic Polyesters with Maintained Mechanical Properties and a Rapid, Customized Degradation Profile. Biomacromolecules, 2011, 12, 2382-2388.	5.4	26
88	Conceptual Approach to Renewable Barrier Film Design Based on Wood Hydrolysate. Biomacromolecules, 2011, 12, 1355-1362.	5.4	65
89	Hemicellulose-Based Multifunctional Macroinitiator for Single-Electron-Transfer Mediated Living Radical Polymerization. Biomacromolecules, 2011, 12, 253-259.	5.4	51
90	Degradable and Electroactive Hydrogels with Tunable Electrical Conductivity and Swelling Behavior. Chemistry of Materials, 2011, 23, 1254-1262.	6.7	149

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91	Simple Route to Size-Tunable Degradable and Electroactive Nanoparticles from the Self-Assembly of Conducting Coilâ€"Rodâ€"Coil Triblock Copolymers. Chemistry of Materials, 2011, 23, 4045-4055.	6.7	47
92	Degradable Polyethylene: Fantasy or Reality. Environmental Science & Technology, 2011, 45, 4217-4227.	10.0	184
93	Facile Synthesis of Degradable and Electrically Conductive Polysaccharide Hydrogels. Biomacromolecules, 2011, 12, 2601-2609.	5.4	152
94	Porosity and Pore Size Regulate the Degradation Product Profile of Polylactide. Biomacromolecules, 2011, 12, 1250-1258.	5.4	113
95	Universal Two-Step Approach to Degradable and Electroactive Block Copolymers and Networks from Combined Ring-Opening Polymerization and Post-Functionalization via Oxidative Coupling Reactions. Macromolecules, 2011, 44, 5227-5236.	4.8	58
96	Compatibilizers of a purposely designed graft copolymer for hydrolysate/PLLA blends. Polymer, 2011, 52, 4648-4655.	3.8	11
97	From Lactic Acid to Poly(lactic acid) (PLA): Characterization and Analysis of PLA and Its Precursors. Biomacromolecules, 2011, 12, 523-532.	5.4	573
98	Covalent VEGF protein immobilization on resorbable polymeric surfaces. Polymers for Advanced Technologies, 2011, 22, 2368-2373.	3.2	5
99	Versatile functionalization of polyester hydrogels with electroactive aniline oligomers. Journal of Polymer Science Part A, 2011, 49, 2097-2105.	2.3	60
100	A versatile singleâ€electronâ€transfer mediated living radical polymerization route to galactoglucomannan graftâ€copolymers with tunable hydrophilicity. Journal of Polymer Science Part A, 2011, 49, 2366-2372.	2.3	39
101	Macroinitiator halide effects in galactoglucomannanâ€mediated single electron transferâ€living radical polymerization. Journal of Polymer Science Part A, 2011, 49, 4139-4145.	2.3	14
102	Functional and Highly Porous Scaffolds for Biomedical Applications. Macromolecular Bioscience, 2011, 11, 1432-1442.	4.1	12
103	Effect of endothelial cells on bone regeneration using poly(<scp>L</scp>â€lactideâ€coâ€1,5â€dioxepanâ€2â€one) scaffolds. Journal of Biomedical Materials Research - Part A, 2011, 96A, 349-357.	4.0	37
104	Global Gene Expression Profile of Osteoblast-Like Cells Grown on Polyester Copolymer Scaffolds. Tissue Engineering - Part A, 2011, 17, 2817-2831.	3.1	5
105	Modified Galactoglucomannans from Forestry Waste-water for Films and Hydrogels. ACS Symposium Series, 2010, , 185-198.	0.5	2
106	Polyester copolymer scaffolds enhance expression of bone markers in osteoblastâ€like cells. Journal of Biomedical Materials Research - Part A, 2010, 94A, 631-639.	4.0	29
107	Growth and differentiation of bone marrow stromal cells on biodegradable polymer scaffolds: An in vitro study. Journal of Biomedical Materials Research - Part A, 2010, 95A, 1244-1251.	4.0	27
108	The environmental influence in enzymatic polymerization of aliphatic polyesters in bulk and aqueous mini-emulsion. Polymer, 2010, 51, 5318-5322.	3.8	36

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109	Bioâ€safe synthesis of linear and branched PLLA. Journal of Polymer Science Part A, 2010, 48, 1214-1219.	2.3	17
110	Synthesis of amorphous aliphatic polyesterâ€ether homoâ€and copolymers by radical polymerization of ketene acetals. Journal of Polymer Science Part A, 2010, 48, 4965-4973.	2.3	32
111	Response of Bone and Periodontal Ligament Cells to Biodegradable Polymer Scaffolds In Vitro. Journal of Bioactive and Compatible Polymers, 2010, 25, 584-602.	2.1	16
112	Osteogenic Differentiation by Rat Bone Marrow Stromal Cells on Customized Biodegradable Polymer Scaffolds. Journal of Bioactive and Compatible Polymers, 2010, 25, 207-223.	2.1	53
113	Polylactide Stereocomplexation Leads to Higher Hydrolytic Stability but More Acidic Hydrolysis Product Pattern. Biomacromolecules, 2010, 11, 1067-1073.	5.4	151
114	Molecular Architecture of Electroactive and Biodegradable Copolymers Composed of Polylactide and Carboxyl-Capped Aniline Trimer. Biomacromolecules, 2010, 11, 855-863.	5.4	91
115	Enhanced Electrical Conductivity by Macromolecular Architecture: Hyperbranched Electroactive and Degradable Block Copolymers Based on Poly(Îµ-caprolactone) and Aniline Pentamer. Macromolecules, 2010, 43, 4472-4480.	4.8	92
116	Design of Renewable Hydrogel Release Systems from Fiberboard Mill Wastewater. Biomacromolecules, 2010, 11, 1406-1411.	5.4	48
117	Barrier Films from Renewable Forestry Waste. Biomacromolecules, 2010, 11, 2532-2538.	5.4	114
118	Surface Modification Changes the Degradation Process and Degradation Product Pattern of Polylactide. Langmuir, 2010, 26, 378-383.	3.5	76
119	Tuning the Polylactide Hydrolysis Rate by Plasticizer Architecture and Hydrophilicity without Introducing New Migrants. Biomacromolecules, 2010, 11, 3617-3623.	5.4	62
120	Biocompatibility of Polyester Scaffolds with Fibroblasts and Osteoblast-like Cells for Bone Tissue Engineering. Journal of Bioactive and Compatible Polymers, 2010, 25, 567-583.	2.1	41
121	Design of Elastomeric Homo- and Copolymer Networks of Functional Aliphatic Polyester for Use in Biomedical Applications. Chemistry of Materials, 2010, 22, 3009-3014.	6.7	28
122	Migration and Hydrolysis of Hydrophobic Polylactide Plasticizer. Biomacromolecules, 2010, 11, 277-283.	5.4	102
123	Drug diffusion in neutral and ionic hydrogels assembled from acetylated galactoglucomannan. Journal of Applied Polymer Science, 2009, 112, 2401-2412.	2.6	37
124	Alkenylâ€functionalized precursors for renewable hydrogels design. Journal of Polymer Science Part A, 2009, 47, 3595-3606.	2.3	42
125	Mapping the characteristics of the radical ringâ€opening polymerization of a cyclic ketene acetal towards the creation of a functionalized polyester. Journal of Polymer Science Part A, 2009, 47, 4587-4601.	2.3	25
126	Design of Resorbable Porous Tubular Copolyester Scaffolds for Use in Nerve Regeneration. Biomacromolecules, 2009, 10, 1259-1264.	5.4	80

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127	Degradable Porous Scaffolds from Various <scp>l</scp>-Lactide and Trimethylene Carbonate Copolymers Obtained by a Simple and Effective Method. Biomacromolecules, 2009, 10, 149-154.	5.4	58
128	MALDI-TOF MS Reveals the Molecular Level Structures of Different Hydrophilicâˆ'Hydrophobic Polyether-esters. Biomacromolecules, 2009, 10, 1540-1546.	5.4	21
129	Precision synthesis of microstructures in starâ€shaped copolymers of Ïµâ€caprolactone, <scp>L</scp>â€lactide, and 1,5â€dioxepanâ€2â€one. Journal of Polymer Science Part A, 2008, 46, 1249-1264.	2.3	33
130	Fingerprinting the degradation product patterns of different polyesterâ€ether networks by electrospray ionization mass spectrometry. Journal of Polymer Science Part A, 2008, 46, 4617-4629.	2.3	33
131	Spontaneous crosslinking of poly(1,5â€dioxepanâ€2â€one) originating from ether bond fragmentation. Journal of Polymer Science Part A, 2008, 46, 7258-7267.	2.3	9
132	Resorbable Scaffolds from Three Different Techniques: Electrospun Fabrics, Saltâ€Leaching Porous Films, and Smooth Flat Surfaces. Macromolecular Bioscience, 2008, 8, 951-959.	4.1	22
133	Surface Functionalization of Porous Resorbable Scaffolds by Covalent Grafting. Macromolecular Bioscience, 2008, 8, 645-654.	4.1	16
134	The influence of composition of porous copolyester scaffolds on reactions induced by irradiation sterilization. Biomaterials, 2008, 29, 129-140.	11.4	41
135	Recent developments in enzyme-catalyzed ring-opening polymerizationâ˜†. Advanced Drug Delivery Reviews, 2008, 60, 1077-1093.	13.7	191
136	A Strategy for the Covalent Functionalization of Resorbable Polymers with Heparin and Osteoinductive Growth Factor. Biomacromolecules, 2008, 9, 901-905.	5.4	71
137	Degradation Products of Aliphatic and Aliphaticâ€"Aromatic Polyesters. , 2008, , 85-116.		37
138	Chromatographic Analysis of Antioxidants in Polymeric Materials and Their Migration from Plastics into Solution. , 2008, , 117-157.		10
139	Rapid Deswelling Response of Poly(N-isopropylacrylamide)/Poly(2-alkyl-2-oxazoline)/Poly(2-hydroxyethyl methacrylate) Hydrogels. Biomacromolecules, 2008, 9, 1678-1683.	5.4	40
140	Enzymatic Degradation of Monolayer for Poly(lactide) Revealed by Real-Time Atomic Force Microscopy: Effects of Stereochemical Structure, Molecular Weight, and Molecular Branches on Hydrolysis Rates. Biomacromolecules, 2008, 9, 2180-2185.	5.4	41
141	Protein Release from Galactoglucomannan Hydrogels: Influence of Substitutions and Enzymatic Hydrolysis by Î²-Mannanase. Biomacromolecules, 2008, 9, 2104-2110.	5.4	47
142	ESI-MS Reveals the Influence of Hydrophilicity and Architecture on the Water-Soluble Degradation Product Patterns of Biodegradable Homo- and Copolyesters of 1,5-dioxepan-2-one and Îµ-Caprolactone. Macromolecules, 2008, 41, 3547-3554.	4.8	58
143	Hydrogels from Polysaccharides for Biomedical Applications. ACS Symposium Series, 2007, , 153-167.	0.5	33
144	Tuning the Release Rate of Acidic Degradation Products through Macromolecular Design of Caprolactone-Based Copolymers. Journal of the American Chemical Society, 2007, 129, 6308-6312.	13.7	101

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145	Branched Poly(lactide) Synthesized by Enzymatic Polymerization:â€‰ Effects of Molecular Branches and Stereochemistry on Enzymatic Degradation and Alkaline Hydrolysis. Biomacromolecules, 2007, 8, 3115-3125.	5.4	123
146	Controllable Degradation Product Migration from Cross-Linked Biomedical Polyester-Ethers through Predetermined Alterations in Copolymer Composition. Biomacromolecules, 2007, 8, 2025-2032.	5.4	50
147	Covalent Grafting of Poly(<scp>l</scp>-lactide) to Tune the In Vitro Degradation Rate. Biomacromolecules, 2007, 8, 2492-2496.	5.4	75
148	Microblock Copolymers as a Result of Transesterification Catalyzing Behavior of Lipase CA in Sequential ROP. Macromolecules, 2007, 40, 4464-4469.	4.8	21
149	Industrial Utilization of Tin-Initiated Resorbable Polymers:Â Synthesis on a Large Scale with a Low Amount of Initiator Residue. Biomacromolecules, 2007, 8, 937-940.	5.4	69
150	Chemo-enzymatic synthesis of comb polymers. European Polymer Journal, 2007, 43, 808-817.	5.4	29
151	Polymerâ€"water partition coefficients of extended range measured by using organic modifiers in the aqueous phase. Polymer, 2007, 48, 7523-7530.	3.8	8
152	Build-up of carboxylic acids in polyethylene and their relation to off-flavor and carbonyl index. Journal of Polymer Science Part A, 2007, 45, 1848-1859.	2.3	3
153	Bulk polymerization of pâ€dioxanone using a cyclic tin alkoxide as initiator. Journal of Polymer Science Part A, 2007, 45, 5552-5558.	2.3	12
154	Quantitative Determination of Volatiles in Polymers and Quality Control of Recycled Materials by Static Headspace Techniques. , 2007, , 51-84.		8
155	Indicator Products and Chromatographic Fingerprinting: New Tools for Degradation State and Lifetime Estimation. , 2007, , 1-22.		4
156	THE USE OF POLYMER DESIGN IN RESORBABLE COLLOIDS. Annual Review of Materials Research, 2006, 36, 369-395.	9.3	18
157	Porous Scaffolds from High Molecular Weight Polyesters Synthesized via Enzyme-Catalyzed Ring-Opening Polymerization. Biomacromolecules, 2006, 7, 2531-2538.	5.4	39
158	Enzyme-Catalyzed Ring-Opening Polymerization of Seven-Membered Ring Lactones Leading to Terminal-Functionalized and Triblock Polyesters. Macromolecules, 2006, 39, 46-54.	4.8	63
159	Resilient Bioresorbable Copolymers Based on Trimethylene Carbonate,l-Lactide, and 1,5-Dioxepan-2-one. Biomacromolecules, 2006, 7, 1489-1495.	5.4	97
160	Surface- and Bulk-Modified Galactoglucomannan Hemicellulose Films and Film Laminates for Versatile Oxygen Barriers. Biomacromolecules, 2006, 7, 1983-1989.	5.4	113
161	Versatile and controlled synthesis of resorbable star-shaped polymers using a spirocyclic tin initiatorâ€"Reaction optimization and kinetics. Journal of Polymer Science Part A, 2006, 44, 596-605.	2.3	20
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