

Kathryn E Uhrich

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

177
papers

7,127
citations

42
h-index

79
g-index

185
ext. papers

7,610
ext. citations

6.5
avg, IF

5.92
L-index

#	Paper	IF	Citations
177	Poly-salicylic Acid Polymer Microparticle Decoys Therapeutically Treat Acute Respiratory Distress Syndrome. <i>Advanced Healthcare Materials</i> , 2021 , e2101534	10.1	1
176	Antioxidant Nanoparticles for Concerted Inhibition of β -Synuclein Fibrillization, and Attenuation of Microglial Intracellular Aggregation and Activation. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 112	5.8	14
175	Ultrastructures and Mechanics of Annealed Major Ampullate Silk. <i>Biomacromolecules</i> , 2020 , 21, 1186-1199	4.9	1
174	Salicylic Acid Polymers in Periodontal Tissue Healing 2020 , 43-53		1
173	Green Chemistry Principles In Advancing Hierarchical Functionalization of Polymer-Based Nanomedicines. <i>ACS Symposium Series</i> , 2020 , 135-157	0.4	
172	Cationic Amphiphiles with Specificity against Gram-Positive and Gram-Negative Bacteria: Chemical Composition and Architecture Combat Bacterial Membranes. <i>Langmuir</i> , 2019 , 35, 5557-5567	4	12
171	Extrudable salicylic acid-based poly(anhydride-esters) for injectable drug releasing applications. <i>Journal of Bioactive and Compatible Polymers</i> , 2019 , 34, 178-189	2	2
170	Location of the Positive Charges in Cationic Amphiphiles Modulates Their Mechanism of Action against Model Membranes. <i>Langmuir</i> , 2019 , 35, 14117-14123	4	1
169	Cationic amphiphiles against Gardnerella vaginalis resistant strains and bacterial vaginosis-associated pathogens. <i>Pathogens and Disease</i> , 2019 , 77,	4.2	8
168	Biodegradable and biocompatible polymers for electronic applications: A review. <i>Journal of Bioactive and Compatible Polymers</i> , 2019 , 34, 3-15	2	47
167	Reduction of bacterial attachment on hydroxyapatite surfaces: Using hydrophobicity and chemical functionality to enhance surface retention and prevent attachment. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 167, 531-537	6	15
166	Physically crosslinked salicylate-based poly (N-isopropylacrylamide-co-acrylic acid) hydrogels for protein delivery. <i>Journal of Bioactive and Compatible Polymers</i> , 2018 , 33, 224-236	2	3
165	Thermocleavable friction modifiers for controlled release in lubricants. <i>Tribology International</i> , 2018 , 120, 58-69	4.9	7
164	Salicylic Acid-Based Poly(anhydride-esters): Synthesis, Properties, and Applications. <i>ACS Symposium Series</i> , 2018 , 149-162	0.4	3
163	Nanotherapeutics Containing Lithocholic Acid-Based Amphiphilic Scorpion-Like Macromolecules Reduce In Vitro Inflammation in Macrophages: Implications for Atherosclerosis. <i>Nanomaterials</i> , 2018 , 8,	5.4	7
162	pH-responsive amphiphilic macromolecular carrier for doxorubicin delivery. <i>Journal of Bioactive and Compatible Polymers</i> , 2017 , 32, 3-16	2	4
161	Sugar-based poly (anhydride-ester) containing natural antioxidants and antimicrobials: Synthesis and formulation into polymer blends. <i>Journal of Bioactive and Compatible Polymers</i> , 2017 , 32, 196-208	2	3

160	Athero-inflammatory nanotherapeutics: Ferulic acid-based poly(anhydride-ester) nanoparticles attenuate foam cell formation by regulating macrophage lipogenesis and reactive oxygen species generation. <i>Acta Biomaterialia</i> , 2017 , 57, 85-94	10.8	29
159	Novel salicylic acid-based chemically crosslinked pH-sensitive hydrogels as potential drug delivery systems. <i>International Journal of Pharmaceutics</i> , 2017 , 528, 406-415	6.5	23
158	Biodegradable Kojic Acid-Based Polymers: Controlled Delivery of Bioactives for Melanogenesis Inhibition. <i>Biomacromolecules</i> , 2017 , 18, 363-373	6.9	50
157	Gemini Cationic Amphiphiles Control Biofilm Formation by Bacterial Vaginosis Pathogens. <i>Antimicrobial Agents and Chemotherapy</i> , 2017 , 61,	5.9	16
156	Polymerized Drugs [A Novel Approach to Controlled Release Systems 2017 , 355-390		1
155	Biobased Oligomeric Esters Comprised of 1,3-Propanediol, Succinic Acid, and Fatty Acids. <i>Macromolecular Chemistry and Physics</i> , 2017 , 218, 1700190	2.6	1
154	Degree of Unsaturation and Backbone Orientation of Amphiphilic Macromolecules Influence Local Lipid Properties in Large Unilamellar Vesicles. <i>Langmuir</i> , 2017 , 33, 14663-14673	4	5
153	Self-assembled cationic amphiphiles as antimicrobial peptides mimics: Role of hydrophobicity, linkage type, and assembly state. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017 , 13, 343-352	6	50
152	Salicylic acid (SA)-eluting bone regeneration scaffolds with interconnected porosity and local and sustained SA release. <i>Journal of Biomedical Materials Research - Part A</i> , 2017 , 105, 311-318	5.4	1
151	PolyMorphine provides extended analgesic-like effects in mice with spared nerve injury. <i>Molecular Pain</i> , 2017 , 13, 1744806917743479	3.4	5
150	Nanotherapeutics for inhibition of atherogenesis and modulation of inflammation in atherosclerotic plaques. <i>Cardiovascular Research</i> , 2016 , 109, 283-93	9.9	17
149	Micellar and structural stability of nanoscale amphiphilic polymers: Implications for anti-atherosclerotic bioactivity. <i>Biomaterials</i> , 2016 , 84, 230-240	15.6	59
148	Salicylic acid-based poly(anhydride-ester) nerve guidance conduits: Impact of localized drug release on nerve regeneration. <i>Journal of Biomedical Materials Research - Part A</i> , 2016 , 104, 975-82	5.4	9
147	Amphiphilic macromolecule nanoassemblies suppress smooth muscle cell proliferation and platelet adhesion. <i>Biomaterials</i> , 2016 , 84, 219-229	15.6	11
146	Drug loading and release kinetics in polymeric micelles: Comparing dynamic versus unimolecular sugar-based micelles for controlled release. <i>Journal of Bioactive and Compatible Polymers</i> , 2016 , 31, 227-241	2	19
145	Abstract C60: Injectable, biodegradable micro- and nano-particles loaded with prodigiosin-based drug for localized anticancer drug delivery 2016 ,		3
144	Phenolic Acid-based Poly(anhydride-esters) as Antioxidant Biomaterials. <i>Macromolecular Bioscience</i> , 2016 , 16, 214-22	5.5	12
143	One-Pot Polymerization Syntheses: Incorporating Bioactives into Poly(anhydride-esters). <i>Macromolecular Chemistry and Physics</i> , 2016 , 217, 1842-1850	2.6	6

142	Sustained, localized salicylic acid delivery enhances diabetic bone regeneration via prolonged mitigation of inflammation. <i>Journal of Biomedical Materials Research - Part A</i> , 2016 , 104, 2595-603	5.4	5
141	Spatial location of indomethacin associated with unimeric amphiphilic carrier macromolecules as determined by nuclear magnetic resonance spectroscopy. <i>Magnetic Resonance in Chemistry</i> , 2016 , 54, 575-83	2.1	2
140	Pinosylin-Based Polymers: Biodegradable Poly(Anhydride-Esters) for Extended Release of Antibacterial Pinosylin. <i>Macromolecular Bioscience</i> , 2016 , 16, 978-83	5.5	5
139	Use of salicylic acid polymers and bone morphogenetic protein-2 to promote bone regeneration in rabbit parietal bone defects. <i>Journal of Bioactive and Compatible Polymers</i> , 2016 , 31, 140-151	2	4
138	PLGA-based microparticles loaded with bacterial-synthesized prodigiosin for anticancer drug release: Effects of particle size on drug release kinetics and cell viability. <i>Materials Science and Engineering C</i> , 2016 , 66, 51-65	8.3	49
137	Self-Assembled Amphiphilic Macromolecule Coatings: Comparison of Grafting-From and Grafting-To Approaches for Bioactive Delivery. <i>Langmuir</i> , 2016 , 32, 5038-47	4	11
136	Polymer brain-nanotherapeutics for multipronged inhibition of microglial β -synuclein aggregation, activation, and neurotoxicity. <i>Biomaterials</i> , 2016 , 111, 179-189	15.6	13
135	Synthesis and characterization of PEGylated bolaamphiphiles with enhanced retention in liposomes. <i>Journal of Colloid and Interface Science</i> , 2016 , 482, 19-26	9.3	47
134	Attenuating Oxidative Stress Via Oxalate Ester-Containing Ferulic Acid-Based Poly(anhydride-esters) that Scavenge Hydrogen Peroxide. <i>Macromolecular Chemistry and Physics</i> , 2016 , 217, 108-114	2.6	4
133	Sugar-based amphiphilic nanoparticles arrest atherosclerosis in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 2693-8	11.5	80
132	Injectable microspheres for extended delivery of bioactive insulin and salicylic acid. <i>Journal of Bioactive and Compatible Polymers</i> , 2015 , 30, 340-346	2	3
131	Degradation of an Aromatic Polyanhydride with Enhanced Thermal Properties. <i>Polymer Degradation and Stability</i> , 2015 , 115, 70-76	4.7	7
130	Amphiphilic Macromolecule Self-Assembled Monolayers Suppress Smooth Muscle Cell Proliferation. <i>Bioconjugate Chemistry</i> , 2015 , 26, 1359-69	6.3	58
129	Polyactives: controlled and sustained bioactive release via hydrolytic degradation. <i>Biomaterials Science</i> , 2015 , 3, 1171-87	7.4	27
128	Tartaric acid-based amphiphilic macromolecules with ether linkages exhibit enhanced repression of oxidized low density lipoprotein uptake. <i>Biomaterials</i> , 2015 , 53, 32-9	15.6	40
127	Designing polymers with sugar-based advantages for bioactive delivery applications. <i>Journal of Controlled Release</i> , 2015 , 219, 355-368	11.7	74
126	Biscationic Tartaric Acid-Based Amphiphiles: Charge Location Impacts Antimicrobial Activity. <i>Langmuir</i> , 2015 , 31, 11875-85	4	14
125	Ferulic Acid-Based Polymers with Glycol Functionality as a Versatile Platform for Topical Applications. <i>Biomacromolecules</i> , 2015 , 16, 2911-9	6.9	36

124	Salicylic acid-based pH-sensitive hydrogels as potential oral insulin delivery systems. <i>Journal of Drug Targeting</i> , 2015 , 23, 716-24	5.4	15
123	Linear, Mannitol-Based Poly(anhydride-esters) with High Ibuprofen Loading and Anti-Inflammatory Activity. <i>Biomacromolecules</i> , 2015 , 16, 3632-9	6.9	16
122	Poly(anhydride-ester) and poly(N-vinyl-2-pyrrolidone) blends: salicylic acid-releasing blends with hydrogel-like properties that reduce inflammation. <i>Macromolecular Bioscience</i> , 2015 , 15, 342-50	5.5	18
121	Enzymatic Polymerization of an Ibuprofen-Containing Monomer and Subsequent Drug Release. <i>Macromolecular Bioscience</i> , 2015 , 15, 1115-24	5.5	18
120	Tuning salicylate-based polymers to overcome lag time and extend release via copolymers and polymer blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015 , 53, 685-689	2.6	1
119	Carbohydrate-derived amphiphilic macromolecules: a biophysical structural characterization and analysis of binding behaviors to model membranes. <i>Journal of Functional Biomaterials</i> , 2015 , 6, 171-91	4.8	1
118	Salicylic Acid-Based Polymers for Guided Bone Regeneration Using Bone Morphogenetic Protein-2. <i>Tissue Engineering - Part A</i> , 2015 , 21, 2013-24	3.9	13
117	Antibiotic-containing polymers for localized, sustained drug delivery. <i>Advanced Drug Delivery Reviews</i> , 2014 , 78, 77-87	18.5	79
116	Poly(anhydride-esters) comprised exclusively of naturally occurring antimicrobials and EDTA: antioxidant and antibacterial activities. <i>Biomacromolecules</i> , 2014 , 15, 1889-95	6.9	35
115	Impact of hydrophobic chain composition on amphiphilic macromolecule antiatherogenic bioactivity. <i>Biomacromolecules</i> , 2014 , 15, 3328-37	6.9	8
114	Sugar-based amphiphilic polymers for biomedical applications: from nanocarriers to therapeutics. <i>Accounts of Chemical Research</i> , 2014 , 47, 2867-77	24.3	65
113	Liposomal stabilization using a sugar-based, PEGylated amphiphilic macromolecule. <i>Journal of Colloid and Interface Science</i> , 2014 , 431, 112-6	9.3	5
112	Salicylic acid (SA) bioaccessibility from SA-based poly(anhydride-ester). <i>Biomacromolecules</i> , 2014 , 15, 3406-11	6.9	12
111	Polymeric prodrugs of ampicillin as antibacterial coatings. <i>Journal of Bioactive and Compatible Polymers</i> , 2014 , 29, 208-220	2	7
110	Amphiphilic nanoparticles repress macrophage atherogenesis: novel core/shell designs for scavenger receptor targeting and down-regulation. <i>Molecular Pharmaceutics</i> , 2014 , 11, 2815-24	5.6	27
109	Role of Branching of Hydrophilic Domain on Physicochemical Properties of Amphiphilic Macromolecules. <i>Polymer Chemistry</i> , 2014 , 5, 1457-1462	4.9	23
108	Cationic amphiphilic macromolecule (CAM)-lipid complexes for efficient siRNA gene silencing. <i>Journal of Controlled Release</i> , 2014 , 184, 28-35	11.7	18
107	Development of a guided bone regeneration device using salicylic acid-poly(anhydride-ester) polymers and osteoconductive scaffolds. <i>Journal of Biomedical Materials Research - Part A</i> , 2014 , 102, 655-64	5.4	14

106	Biodegradable salicylate-based poly(anhydride-ester) microspheres for controlled insulin delivery. <i>Journal of Biomedical Materials Research - Part A</i> , 2014 , 102, 2736-42	5.4	17
105	Bioactive-Based Poly(anhydride-esters) and Blends for Controlled Drug Delivery. <i>ACS Symposium Series</i> , 2013 , 27-37	0.4	1
104	Locally delivered salicylic acid from a poly(anhydride-ester): impact on diabetic bone regeneration. <i>Journal of Controlled Release</i> , 2013 , 171, 33-7	11.7	32
103	Biodegradable polyesters containing ibuprofen and naproxen as pendant groups. <i>Biomacromolecules</i> , 2013 , 14, 3542-8	6.9	42
102	Formulation of salicylate-based poly(anhydride-ester) microspheres for short- and long-term salicylic acid delivery. <i>Polymer Bulletin</i> , 2013 , 70, 343-351	2.4	17
101	In silico design of anti-atherogenic biomaterials. <i>Biomaterials</i> , 2013 , 34, 7950-9	15.6	16
100	Biodegradable, Bioactive-Based Poly(anhydride-esters) for Personal Care and Cosmetic Applications. <i>ACS Symposium Series</i> , 2013 , 145-155	0.4	2
99	Biodegradable ferulic acid-containing poly(anhydride-ester): degradation products with controlled release and sustained antioxidant activity. <i>Biomacromolecules</i> , 2013 , 14, 854-61	6.9	76
98	Nanoscale amphiphilic macromolecules with variable lipophilicity and stereochemistry modulate inhibition of oxidized low-density lipoprotein uptake. <i>Biomacromolecules</i> , 2013 , 14, 2463-9	6.9	10
97	Biodegradable coumaric acid-based poly(anhydride-ester) synthesis and subsequent controlled release. <i>Macromolecular Rapid Communications</i> , 2013 , 34, 1231-6	4.8	20
96	Optimized Synthesis of Salicylate-based Poly(anhydride-esters). <i>Polymer Bulletin</i> , 2013 , 49, 441-448	2.4	54
95	Kinetically assembled nanoparticles of bioactive macromolecules exhibit enhanced stability and cell-targeted biological efficacy. <i>Advanced Materials</i> , 2012 , 24, 733-9	24	41
94	Carbohydrate composition of amphiphilic macromolecules influences physicochemical properties and binding to atherogenic scavenger receptor A. <i>Acta Biomaterialia</i> , 2012 , 8, 3956-62	10.8	26
93	PolyMorphine: an innovative biodegradable polymer drug for extended pain relief. <i>Journal of Controlled Release</i> , 2012 , 162, 538-44	11.7	30
92	Impact of ionizing radiation on physicochemical and biological properties of an amphiphilic macromolecule. <i>Polymer Degradation and Stability</i> , 2012 , 97, 1686-1689	4.7	6
91	Tunable drug release profiles from salicylate-based poly(anhydride-ester) matrices using small molecule admixtures. <i>Journal of Bioactive and Compatible Polymers</i> , 2012 , 27, 540-549	2	14
90	Preferential cellular uptake of amphiphilic macromolecule-lipid complexes with enhanced stability and biocompatibility. <i>Journal of Controlled Release</i> , 2011 , 153, 233-9	11.7	26
89	Stability of a salicylate-based poly(anhydride-ester) to electron beam and gamma radiation. <i>Polymer Degradation and Stability</i> , 2011 , 96, 1625-1630	4.7	10

88	Dual use of amphiphilic macromolecules as cholesterol efflux triggers and inhibitors of macrophage athero-inflammation. <i>Biomaterials</i> , 2011 , 32, 8319-27	15.6	23
87	Efficient intracellular siRNA delivery by ethyleneimine-modified amphiphilic macromolecules. <i>Macromolecular Bioscience</i> , 2011 , 11, 1192-200	5.5	16
86	Salicylic acid-derived poly(anhydride-ester) electrospun fibers designed for regenerating the peripheral nervous system. <i>Journal of Biomedical Materials Research - Part A</i> , 2011 , 97, 230-42	5.4	46
85	Thermodynamic and physical interactions between novel polymeric surfactants and lipids: toward designing stable polymer-lipid complexes. <i>Langmuir</i> , 2011 , 27, 9131-8	4	8
84	Microscale plasma-initiated patterning of electrospun polymer scaffolds. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011 , 84, 591-6	6	7
83	Viscoelastic behaviors of ultrahigh molecular weight polyethylene under three-point bending and indentation loading. <i>Journal of Biomaterials Applications</i> , 2010 , 24, 713-32	2.9	7
82	Slow release polymer-bioadhesive tablets for disinfection of untreated surface water. <i>Journal of Applied Polymer Science</i> , 2010 , 117, NA-NA	2.9	2
81	Micellar nanocarriers assembled from doxorubicin-conjugated amphiphilic macromolecules (DOX-AM). <i>Macromolecular Bioscience</i> , 2010 , 10, 415-23	5.5	23
80	Storage Stability Study of Salicylate-based Poly(anhydride-esters). <i>Polymer Degradation and Stability</i> , 2010 , 95, 1778-1782	4.7	10
79	Design and evaluation of novel polyanhydride blends as nerve guidance conduits. <i>Acta Biomaterialia</i> , 2010 , 6, 1917-24	10.8	13
78	Controllable inhibition of cellular uptake of oxidized low-density lipoprotein: structure-function relationships for nanoscale amphiphilic polymers. <i>Acta Biomaterialia</i> , 2010 , 6, 3081-91	10.8	31
77	Synthesis and Characterization of 5-Aminosalicylic Acid Based Poly(anhydride-esters) by Solution Polymerization. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 6003-6008	2.5	4
76	In Vitro Evaluation of Amphiphilic Macromolecular Nanocarriers for Systemic Drug Delivery. <i>Journal of Bioactive and Compatible Polymers</i> , 2009 , 24, 185-197	2	15
75	Concurrent release of admixed antimicrobials and salicylic acid from salicylate-based poly(anhydride-esters). <i>Journal of Biomedical Materials Research - Part A</i> , 2009 , 91, 671-8	5.4	24
74	Design and Synthesis of Fast-Degrading Poly(anhydride-esters). <i>Macromolecular Rapid Communications</i> , 2009 , 30, 1021	4.8	32
73	A novel approach for incorporation of mono-functional bioactive phenols into polyanhydrides. <i>Macromolecular Rapid Communications</i> , 2009 , 30, 1101-8	4.8	17
72	Acetylation of PAMAM dendrimers for cellular delivery of siRNA. <i>BMC Biotechnology</i> , 2009 , 9, 38	3.5	97
71	Comparison of PEG chain length and density on amphiphilic macromolecular nanocarriers: self-assembled and unimolecular micelles. <i>Acta Biomaterialia</i> , 2009 , 5, 883-92	10.8	12

70	Salicylic acid-based poly(anhydride esters) for control of biofilm formation in Salmonella enterica serovar Typhimurium. <i>Letters in Applied Microbiology</i> , 2008 , 46, 593-9	2.9	56
69	Iodinated salicylate-based poly(anhydride-esters) as radiopaque biomaterials. <i>Biomacromolecules</i> , 2008 , 9, 1604-12	6.9	36
68	Comparison of salicylate-based poly(anhydride-esters) formed via melt-condensation versus solution polymerization. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2008 , 19, 1295-306	3.5	27
67	Amphiphilic Scorpion-like Macromolecules as Micellar Nanocarriers. <i>Journal of Bioactive and Compatible Polymers</i> , 2008 , 23, 532-551	2	21
66	Local Polarity and Microviscosity in the Hydrophobic Cores of Amphiphilic Star-like and Scorpion-like Macromolecules. <i>Macromolecules</i> , 2007 , 40, 3739-3748	5.5	18
65	Optimal micropattern dimensions enhance neurite outgrowth rates, lengths, and orientations. <i>Annals of Biomedical Engineering</i> , 2007 , 35, 1812-20	4.7	47
64	Non-steroidal anti-inflammatory drug (NSAID)-derived poly(anhydride-esters) in bone and periodontal regeneration. <i>Current Drug Delivery</i> , 2007 , 4, 233-9	3.2	17
63	Nanoscale amphiphilic macromolecules as lipoprotein inhibitors: the role of charge and architecture. <i>International Journal of Nanomedicine</i> , 2007 , 2, 697-705	7.3	18
62	Synthesis and characterization of antiseptic-based poly(anhydride-esters). <i>Polymer Bulletin</i> , 2006 , 57, 281-291	2.4	21
61	Novel amphiphilic macromolecules and their in vitro characterization as stabilized micellar drug delivery systems. <i>Journal of Colloid and Interface Science</i> , 2006 , 298, 102-110	9.3	52
60	Investigation into the erosion mechanism of salicylate-based poly(anhydride-esters). <i>Journal of Biomedical Materials Research - Part A</i> , 2006 , 76, 470-9	5.4	42
59	Synthesis and Characterization of Salicylic Acid-Based Poly(Anhydride-Ester) Copolymers. <i>Journal of Bioactive and Compatible Polymers</i> , 2006 , 21, 123-133	2	18
58	Nanoscale Amphiphilic Star-like Macromolecules with Carboxy-, Methoxy and Amine-terminated Chain Ends. <i>Journal of Bioactive and Compatible Polymers</i> , 2006 , 21, 297-313	2	11
57	Characterization and in vitro degradation of salicylate-derived poly(anhydride-ester microspheres). <i>Journal of Microencapsulation</i> , 2006 , 23, 643-53	3.4	13
56	Engineered polymeric nanoparticles for receptor-targeted blockage of oxidized low density lipoprotein uptake and atherogenesis in macrophages. <i>Biomacromolecules</i> , 2006 , 7, 1796-805	6.9	45
55	Nanoscale anionic macromolecules can inhibit cellular uptake of differentially oxidized LDL. <i>Biomacromolecules</i> , 2006 , 7, 597-603	6.9	39
54	Biodegradation of poly(anhydride-esters) into non-steroidal anti-inflammatory drugs and their effect on Pseudomonas aeruginosa biofilms in vitro and on the foreign-body response in vivo. <i>Biomaterials</i> , 2006 , 27, 5039-48	15.6	60
53	Chain-Folding and Overall Molecular Conformation in a Novel Amphiphilic Starlike Macromolecule. <i>Macromolecules</i> , 2005 , 38, 7074-7082	5.5	12

52	Microscale plasma-initiated patterning (muPIP). <i>Langmuir</i> , 2005 , 21, 10509-14	4	48
51	Oxygen plasma-treatment effects on Si transfer. <i>Langmuir</i> , 2005 , 21, 6366-72	4	42
50	Synthesis and cytotoxicity of salicylate-based poly(anhydride esters). <i>Biomacromolecules</i> , 2005 , 6, 359-67.9	5.0	50
49	Effect of Linker Structure on Salicylic Acid-Derived Poly(anhydride-esters). <i>Macromolecules</i> , 2005 , 38, 6895-6901	5.5	73
48	Micropatterned polymer substrates control alignment of proliferating Schwann cells to direct neuronal regeneration. <i>Biomaterials</i> , 2005 , 26, 1423-30	15.6	89
47	Nanoscale anionic macromolecules for selective retention of low-density lipoproteins. <i>Biomaterials</i> , 2005 , 26, 3749-58	15.6	38
46	Salicylic acid-derived poly(anhydride-esters) inhibit bone resorption and formation in vivo. <i>Journal of Biomedical Materials Research - Part A</i> , 2005 , 72, 354-62	5.4	36
45	Polymeric micelles based on amphiphilic scorpion-like macromolecules: novel carriers for water-insoluble drugs. <i>Pharmaceutical Research</i> , 2005 , 22, 24-32	4.5	62
44	Modifying the Properties of Collagen Scaffolds with Microfluidics. <i>Materials Research Society Symposia Proceedings</i> , 2005 , 897, 1		
43	Poly(anhydride-ester) fibers: role of copolymer composition on hydrolytic degradation and mechanical properties. <i>Journal of Biomedical Materials Research Part B</i> , 2004 , 70, 309-18		30
42	Microcontact printing of proteins on oxygen plasma-activated poly(methyl methacrylate). <i>Biomaterials</i> , 2004 , 25, 1851-7	15.6	102
41	Core crosslinkable polymeric micelles from PEGlipid amphiphiles as drug carriers. <i>Journal of Materials Chemistry</i> , 2004 , 14, 2317-2324		33
40	Amphiphilic Scorpion-like Macromolecules: Design, Synthesis, and Characterization. <i>Macromolecules</i> , 2004 , 37, 538-543	5.5	68
39	Designing Polymers for Medical Applications 2004 , 1-6		
38	Amphiphilic star-like macromolecules as novel carriers for topical delivery of nonsteroidal anti-inflammatory drugs. <i>AAPS PharmSci</i> , 2003 , 5, E26		112
37	Aminosalicylate-based biodegradable polymers: Syntheses and in vitro characterization of poly(anhydride-ester)s and poly(anhydride-amide)s. <i>Journal of Polymer Science Part A</i> , 2003 , 41, 3667-3679	2.5	27
36	Effects of in vitro degradation on properties of poly(DL-lactide-co-glycolide) pertinent to its biological performance. <i>Journal of Materials Science: Materials in Medicine</i> , 2002 , 13, 1091-6	4.5	17
35	Dynamic Fluorescence Probing of the Local Environments within Amphiphilic Starlike Macromolecules. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 7463-7468	3.4	83

34	In Situ Stepwise Surface Analysis of Micropatterned Glass Substrates in Liquids Using Functional Near-Field Scanning Optical Microscopy. <i>Langmuir</i> , 2002 , 18, 8593-8600	4	7
33	Processing and hydrolytic degradation of aromatic, ortho-substituted polyanhydrides. <i>Journal of Applied Polymer Science</i> , 2001 , 80, 32-38	2.9	7
32	Regional drug delivery with radiation for the treatment of Ewing's sarcoma. In vitro development of a taxol release system. <i>Journal of Controlled Release</i> , 2001 , 71, 193-202	11.7	17
31	Cytotoxicity of a unimolecular polymeric micelle and its degradation products. <i>Biomacromolecules</i> , 2001 , 2, 851-5	6.9	91
30	Synthesis and degradation characteristics of salicylic acid-derived poly(anhydride-esters). <i>Biomaterials</i> , 2000 , 21, 1941-6	15.6	145
29	Degradable poly(anhydride ester) implants: effects of localized salicylic acid release on bone. <i>Biomaterials</i> , 2000 , 21, 2507-12	15.6	85
28	Drug release characteristics of unimolecular polymeric micelles. <i>Journal of Controlled Release</i> , 2000 , 68, 167-74	11.7	126
27	Unipolymeric Micelles. <i>ACS Symposium Series</i> , 2000 , 298-309	0.4	
26	Novel Polyanhydrides with Enhanced Thermal and Solubility Properties. <i>Macromolecules</i> , 2000 , 33, 6217-6221	5.3	27
25	Polyanhydrides: the effects of ring substitution changes on polymer properties. <i>Polymer Bulletin</i> , 1999 , 42, 61-68	2.4	30
24	Proliferation, morphology, and protein expression by osteoblasts cultured on poly(anhydride-co-imides). <i>Journal of Biomedical Materials Research Part B</i> , 1999 , 48, 322-7		41
23	Unimolecular micelles: Synthesis and characterization of amphiphilic polymer systems. <i>Journal of Polymer Science Part A</i> , 1999 , 37, 703-711	2.5	94
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