

# Kathryn E Uhrich

## List of Publications by Citations

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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	Polymeric systems for controlled drug release. <i>Chemical Reviews</i> , <b>1999</b> , 99, 3181-98	68.1	2177
176	One-pot synthesis of hyperbranched polyethers. <i>Macromolecules</i> , <b>1992</b> , 25, 4583-4587	5.5	202
175	Synthesis and degradation characteristics of salicylic acid-derived poly(anhydride-esters). <i>Biomaterials</i> , <b>2000</b> , 21, 1941-6	15.6	145
174	Drug release characteristics of unimolecular polymeric micelles. <i>Journal of Controlled Release</i> , <b>2000</b> , 68, 167-74	11.7	126
173	Synthesis and Characterization of Degradable Poly(anhydride-co-imides). <i>Macromolecules</i> , <b>1995</b> , 28, 2184-2193	3.5	113
172	Amphiphilic star-like macromolecules as novel carriers for topical delivery of nonsteroidal anti-inflammatory drugs. <i>AAPS PharmSci</i> , <b>2003</b> , 5, E26		112
171	Microcontact printing of proteins on oxygen plasma-activated poly(methyl methacrylate). <i>Biomaterials</i> , <b>2004</b> , 25, 1851-7	15.6	102
170	Acetylation of PAMAM dendrimers for cellular delivery of siRNA. <i>BMC Biotechnology</i> , <b>2009</b> , 9, 38	3.5	97
169	Unimolecular micelles: Synthesis and characterization of amphiphilic polymer systems. <i>Journal of Polymer Science Part A</i> , <b>1999</b> , 37, 703-711	2.5	94
168	Cytotoxicity of a unimolecular polymeric micelle and its degradation products. <i>Biomacromolecules</i> , <b>2001</b> , 2, 851-5	6.9	91
167	Micropatterned polymer substrates control alignment of proliferating Schwann cells to direct neuronal regeneration. <i>Biomaterials</i> , <b>2005</b> , 26, 1423-30	15.6	89
166	Degradable poly(anhydride ester) implants: effects of localized salicylic acid release on bone. <i>Biomaterials</i> , <b>2000</b> , 21, 2507-12	15.6	85
165	Dynamic Fluorescence Probing of the Local Environments within Amphiphilic Starlike Macromolecules. <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 7463-7468	3.4	83
164	Sugar-based amphiphilic nanoparticles arrest atherosclerosis in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 2693-8	11.5	80
163	Antibiotic-containing polymers for localized, sustained drug delivery. <i>Advanced Drug Delivery Reviews</i> , <b>2014</b> , 78, 77-87	18.5	79
162	Biodegradable ferulic acid-containing poly(anhydride-ester): degradation products with controlled release and sustained antioxidant activity. <i>Biomacromolecules</i> , <b>2013</b> , 14, 854-61	6.9	76
161	Designing polymers with sugar-based advantages for bioactive delivery applications. <i>Journal of Controlled Release</i> , <b>2015</b> , 219, 355-368	11.7	74

160	Effect of Linker Structure on Salicylic Acid-Derived Poly(anhydride-esters). <i>Macromolecules</i> , <b>2005</b> , 38, 6895-6901	5.5	73
159	Amphiphilic Scorpion-like Macromolecules: Design, Synthesis, and Characterization. <i>Macromolecules</i> , <b>2004</b> , 37, 538-543	5.5	68
158	Sugar-based amphiphilic polymers for biomedical applications: from nanocarriers to therapeutics. <i>Accounts of Chemical Research</i> , <b>2014</b> , 47, 2867-77	24.3	65
157	Preliminary in vivo report on the osteocompatibility of poly(anhydride-co-imides) evaluated in a tibial model. <i>Journal of Biomedical Materials Research Part B</i> , <b>1998</b> , 43, 374-9		63
156	Poly(anhydride-co-imides): in vivo biocompatibility in a rat model. <i>Biomaterials</i> , <b>1998</b> , 19, 941-51	15.6	63
155	Polymeric micelles based on amphiphilic scorpion-like macromolecules: novel carriers for water-insoluble drugs. <i>Pharmaceutical Research</i> , <b>2005</b> , 22, 24-32	4.5	62
154	Biodegradation of poly(anhydride-esters) into non-steroidal anti-inflammatory drugs and their effect on <i>Pseudomonas aeruginosa</i> biofilms in vitro and on the foreign-body response in vivo. <i>Biomaterials</i> , <b>2006</b> , 27, 5039-48	15.6	60
153	Micellar and structural stability of nanoscale amphiphilic polymers: Implications for anti-atherosclerotic bioactivity. <i>Biomaterials</i> , <b>2016</b> , 84, 230-240	15.6	59
152	Amphiphilic Macromolecule Self-Assembled Monolayers Suppress Smooth Muscle Cell Proliferation. <i>Bioconjugate Chemistry</i> , <b>2015</b> , 26, 1359-69	6.3	58
151	Salicylic acid-based poly(anhydride esters) for control of biofilm formation in <i>Salmonella enterica</i> serovar Typhimurium. <i>Letters in Applied Microbiology</i> , <b>2008</b> , 46, 593-9	2.9	56
150	Optimized Synthesis of Salicylate-based Poly(anhydride-esters). <i>Polymer Bulletin</i> , <b>2013</b> , 49, 441-448	2.4	54
149	Novel amphiphilic macromolecules and their in vitro characterization as stabilized micellar drug delivery systems. <i>Journal of Colloid and Interface Science</i> , <b>2006</b> , 298, 102-10	9.3	52
148	Biodegradable Kojic Acid-Based Polymers: Controlled Delivery of Bioactives for Melanogenesis Inhibition. <i>Biomacromolecules</i> , <b>2017</b> , 18, 363-373	6.9	50
147	Self-assembled cationic amphiphiles as antimicrobial peptides mimics: Role of hydrophobicity, linkage type, and assembly state. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2017</b> , 13, 343-352	6	50
146	Synthesis and cytotoxicity of salicylate-based poly(anhydride esters). <i>Biomacromolecules</i> , <b>2005</b> , 6, 359-67	6.9	50
145	The solid-phase synthesis of dendritic polyamides. <i>Polymer Bulletin</i> , <b>1991</b> , 25, 551-558	2.4	49
144	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> , <b>2016</b> , 66, 51-65	8.3	49
143	Microscale plasma-initiated patterning (muPIP). <i>Langmuir</i> , <b>2005</b> , 21, 10509-14	4	48

142	Optimal micropattern dimensions enhance neurite outgrowth rates, lengths, and orientations. <i>Annals of Biomedical Engineering</i> , <b>2007</b> , 35, 1812-20	4-7	47
141	Synthesis and characterization of PEGylated bolaamphiphiles with enhanced retention in liposomes. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 482, 19-26	9-3	47
140	Biodegradable and biocompatible polymers for electronic applications: A review. <i>Journal of Bioactive and Compatible Polymers</i> , <b>2019</b> , 34, 3-15	2	47
139	Salicylic acid-derived poly(anhydride-ester) electrospun fibers designed for regenerating the peripheral nervous system. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2011</b> , 97, 230-42	5-4	46
138	Engineered polymeric nanoparticles for receptor-targeted blockage of oxidized low density lipoprotein uptake and atherogenesis in macrophages. <i>Biomacromolecules</i> , <b>2006</b> , 7, 1796-805	6.9	45
137	Biodegradable polyesters containing ibuprofen and naproxen as pendant groups. <i>Biomacromolecules</i> , <b>2013</b> , 14, 3542-8	6.9	42
136	Investigation into the erosion mechanism of salicylate-based poly(anhydride-esters). <i>Journal of Biomedical Materials Research - Part A</i> , <b>2006</b> , 76, 470-9	5-4	42
135	Oxygen plasma-treatment effects on Si transfer. <i>Langmuir</i> , <b>2005</b> , 21, 6366-72	4	42
134	Kinetically assembled nanoparticles of bioactive macromolecules exhibit enhanced stability and cell-targeted biological efficacy. <i>Advanced Materials</i> , <b>2012</b> , 24, 733-9	24	41
133	Proliferation, morphology, and protein expression by osteoblasts cultured on poly(anhydride-co-imides). <i>Journal of Biomedical Materials Research Part B</i> , <b>1999</b> , 48, 322-7		41
132	Tartaric acid-based amphiphilic macromolecules with ether linkages exhibit enhanced repression of oxidized low density lipoprotein uptake. <i>Biomaterials</i> , <b>2015</b> , 53, 32-9	15.6	40
131	In vitro bone biocompatibility of poly (anhydride-co-imides) containing pyromellitylimidoalanine. <i>Journal of Orthopaedic Research</i> , <b>1996</b> , 14, 445-54	3.8	40
130	Nanoscale anionic macromolecules can inhibit cellular uptake of differentially oxidized LDL. <i>Biomacromolecules</i> , <b>2006</b> , 7, 597-603	6.9	39
129	Nanoscale anionic macromolecules for selective retention of low-density lipoproteins. <i>Biomaterials</i> , <b>2005</b> , 26, 3749-58	15.6	38
128	Ferulic Acid-Based Polymers with Glycol Functionality as a Versatile Platform for Topical Applications. <i>Biomacromolecules</i> , <b>2015</b> , 16, 2911-9	6.9	36
127	Iodinated salicylate-based poly(anhydride-esters) as radiopaque biomaterials. <i>Biomacromolecules</i> , <b>2008</b> , 9, 1604-12	6.9	36
126	Salicylic acid-derived poly(anhydride-esters) inhibit bone resorption and formation in vivo. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2005</b> , 72, 354-62	5-4	36
125	Poly(anhydride-esters) comprised exclusively of naturally occurring antimicrobials and EDTA: antioxidant and antibacterial activities. <i>Biomacromolecules</i> , <b>2014</b> , 15, 1889-95	6.9	35

124	Cytotoxicity testing of poly(anhydride-co-imides) for orthopedic applications. <i>Journal of Biomedical Materials Research Part B</i> , <b>1995</b> , 29, 1233-40		34
123	Core crosslinkable polymeric micelles from PEG-lipid amphiphiles as drug carriers. <i>Journal of Materials Chemistry</i> , <b>2004</b> , 14, 2317-2324		33
122	Locally delivered salicylic acid from a poly(anhydride-ester): impact on diabetic bone regeneration. <i>Journal of Controlled Release</i> , <b>2013</b> , 171, 33-7	11.7	32
121	Design and Synthesis of Fast-Degrading Poly(anhydride-esters). <i>Macromolecular Rapid Communications</i> , <b>2009</b> , 30, 1021	4.8	32
120	Synthesis of dendritic polyamides via a convergent growth approach. <i>Journal of the Chemical Society Perkin Transactions 1</i> , <b>1992</b> , 1623-1630		32
119	Controllable inhibition of cellular uptake of oxidized low-density lipoprotein: structure-function relationships for nanoscale amphiphilic polymers. <i>Acta Biomaterialia</i> , <b>2010</b> , 6, 3081-91	10.8	31
118	PolyMorphine: an innovative biodegradable polymer drug for extended pain relief. <i>Journal of Controlled Release</i> , <b>2012</b> , 162, 538-44	11.7	30
117	Poly(anhydride-ester) fibers: role of copolymer composition on hydrolytic degradation and mechanical properties. <i>Journal of Biomedical Materials Research Part B</i> , <b>2004</b> , 70, 309-18		30
116	Polyanhydrides: the effects of ring substitution changes on polymer properties. <i>Polymer Bulletin</i> , <b>1999</b> , 42, 61-68	2.4	30
115	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> , <b>2017</b> , 57, 85-94	10.8	29
114	Polyactives: controlled and sustained bioactive release via hydrolytic degradation. <i>Biomaterials Science</i> , <b>2015</b> , 3, 1171-87	7.4	27
113	Amphiphilic nanoparticles repress macrophage atherogenesis: novel core/shell designs for scavenger receptor targeting and down-regulation. <i>Molecular Pharmaceutics</i> , <b>2014</b> , 11, 2815-24	5.6	27
112	Comparison of salicylate-based poly(anhydride-esters) formed via melt-condensation versus solution polymerization. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2008</b> , 19, 1295-306	3.5	27
111	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> , <b>2003</b> , 41, 3667-3679	2.5	27
110	Novel Polyanhydrides with Enhanced Thermal and Solubility Properties. <i>Macromolecules</i> , <b>2000</b> , 33, 6217-6221	5.3	27
109	Carbohydrate composition of amphiphilic macromolecules influences physicochemical properties and binding to atherogenic scavenger receptor A. <i>Acta Biomaterialia</i> , <b>2012</b> , 8, 3956-62	10.8	26
108	Preferential cellular uptake of amphiphilic macromolecule-lipid complexes with enhanced stability and biocompatibility. <i>Journal of Controlled Release</i> , <b>2011</b> , 153, 233-9	11.7	26
107	Chemical changes during in vivo degradation of poly(anhydride-imide) matrices. <i>Biomaterials</i> , <b>1998</b> , 19, 2045-50	15.6	26

106	Concurrent release of admixed antimicrobials and salicylic acid from salicylate-based poly(anhydride-esters). <i>Journal of Biomedical Materials Research - Part A</i> , <b>2009</b> , 91, 671-8	5.4	24
105	Novel salicylic acid-based chemically crosslinked pH-sensitive hydrogels as potential drug delivery systems. <i>International Journal of Pharmaceutics</i> , <b>2017</b> , 528, 406-415	6.5	23
104	Role of Branching of Hydrophilic Domain on Physicochemical Properties of Amphiphilic Macromolecules. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 1457-1462	4.9	23
103	Dual use of amphiphilic macromolecules as cholesterol efflux triggers and inhibitors of macrophage athero-inflammation. <i>Biomaterials</i> , <b>2011</b> , 32, 8319-27	15.6	23
102	Micellar nanocarriers assembled from doxorubicin-conjugated amphiphilic macromolecules (DOX-AM). <i>Macromolecular Bioscience</i> , <b>2010</b> , 10, 415-23	5.5	23
101	Amphiphilic Scorpion-like Macromolecules as Micellar Nanocarriers. <i>Journal of Bioactive and Compatible Polymers</i> , <b>2008</b> , 23, 532-551	2	21
100	Synthesis and characterization of antiseptic-based poly(anhydride-esters). <i>Polymer Bulletin</i> , <b>2006</b> , 57, 281-291	2.4	21
99	Biodegradable coumaric acid-based poly(anhydride-ester) synthesis and subsequent controlled release. <i>Macromolecular Rapid Communications</i> , <b>2013</b> , 34, 1231-6	4.8	20
98	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> , <b>2016</b> , 31, 227-241	2	19
97	Influence of Polymer Structure on the Miscibility of Photoacid Generators. <i>Chemistry of Materials</i> , <b>1994</b> , 6, 295-301	9.6	19
96	Cationic amphiphilic macromolecule (CAM)-lipid complexes for efficient siRNA gene silencing. <i>Journal of Controlled Release</i> , <b>2014</b> , 184, 28-35	11.7	18
95	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> , <b>2015</b> , 15, 342-50	5.5	18
94	Enzymatic Polymerization of an Ibuprofen-Containing Monomer and Subsequent Drug Release. <i>Macromolecular Bioscience</i> , <b>2015</b> , 15, 1115-24	5.5	18
93	Local Polarity and Microviscosity in the Hydrophobic Cores of Amphiphilic Star-like and Scorpion-like Macromolecules. <i>Macromolecules</i> , <b>2007</b> , 40, 3739-3748	5.5	18
92	Synthesis and Characterization of Salicylic Acid-Based Poly(Anhydride-Ester) Copolymers. <i>Journal of Bioactive and Compatible Polymers</i> , <b>2006</b> , 21, 123-133	2	18
91	Nanoscale amphiphilic macromolecules as lipoprotein inhibitors: the role of charge and architecture. <i>International Journal of Nanomedicine</i> , <b>2007</b> , 2, 697-705	7.3	18
90	Nanotherapeutics for inhibition of atherogenesis and modulation of inflammation in atherosclerotic plaques. <i>Cardiovascular Research</i> , <b>2016</b> , 109, 283-93	9.9	17
89	Formulation of salicylate-based poly(anhydride-ester) microspheres for short- and long-term salicylic acid delivery. <i>Polymer Bulletin</i> , <b>2013</b> , 70, 343-351	2.4	17

88	Biodegradable salicylate-based poly(anhydride-ester) microspheres for controlled insulin delivery. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2014</b> , 102, 2736-42	5.4	17
87	A novel approach for incorporation of mono-functional bioactive phenols into polyanhydrides. <i>Macromolecular Rapid Communications</i> , <b>2009</b> , 30, 1101-8	4.8	17
86	Non-steroidal anti-inflammatory drug (NSAID)-derived poly(anhydride-esters) in bone and periodontal regeneration. <i>Current Drug Delivery</i> , <b>2007</b> , 4, 233-9	3.2	17
85	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> , <b>2002</b> , 13, 1091-6	4.5	17
84	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> , <b>2001</b> , 71, 193-202	11.7	17
83	Linear, Mannitol-Based Poly(anhydride-esters) with High Ibuprofen Loading and Anti-Inflammatory Activity. <i>Biomacromolecules</i> , <b>2015</b> , 16, 3632-9	6.9	16
82	In silico design of anti-atherogenic biomaterials. <i>Biomaterials</i> , <b>2013</b> , 34, 7950-9	15.6	16
81	Gemini Cationic Amphiphiles Control Biofilm Formation by Bacterial Vaginosis Pathogens. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2017</b> , 61,	5.9	16
80	Efficient intracellular siRNA delivery by ethyleneimine-modified amphiphilic macromolecules. <i>Macromolecular Bioscience</i> , <b>2011</b> , 11, 1192-200	5.5	16
79	Salicylic acid-based pH-sensitive hydrogels as potential oral insulin delivery systems. <i>Journal of Drug Targeting</i> , <b>2015</b> , 23, 716-24	5.4	15
78	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> , <b>2018</b> , 167, 531-537	6	15
77	In Vitro Evaluation of Amphiphilic Macromolecular Nanocarriers for Systemic Drug Delivery. <i>Journal of Bioactive and Compatible Polymers</i> , <b>2009</b> , 24, 185-197	2	15
76	Biscationic Tartaric Acid-Based Amphiphiles: Charge Location Impacts Antimicrobial Activity. <i>Langmuir</i> , <b>2015</b> , 31, 11875-85	4	14
75	Antioxidant Nanoparticles for Concerted Inhibition of $\beta$ -Synuclein Fibrillization, and Attenuation of Microglial Intracellular Aggregation and Activation. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 112	5.8	14
74	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> , <b>2014</b> , 102, 655-64	5.4	14
73	Tunable drug release profiles from salicylate-based poly(anhydride-ester) matrices using small molecule admixtures. <i>Journal of Bioactive and Compatible Polymers</i> , <b>2012</b> , 27, 540-549	2	14
72	Salicylic Acid-Based Polymers for Guided Bone Regeneration Using Bone Morphogenetic Protein-2. <i>Tissue Engineering - Part A</i> , <b>2015</b> , 21, 2013-24	3.9	13
71	Design and evaluation of novel polyanhydride blends as nerve guidance conduits. <i>Acta Biomaterialia</i> , <b>2010</b> , 6, 1917-24	10.8	13

70	Characterization and in vitro degradation of salicylate-derived poly(anhydride-ester microspheres). <i>Journal of Microencapsulation</i> , <b>2006</b> , 23, 643-53	3.4	13
69	Polymer brain-nanotherapeutics for multipronged inhibition of microglial $\beta$ -synuclein aggregation, activation, and neurotoxicity. <i>Biomaterials</i> , <b>2016</b> , 111, 179-189	15.6	13
68	Cationic Amphiphiles with Specificity against Gram-Positive and Gram-Negative Bacteria: Chemical Composition and Architecture Combat Bacterial Membranes. <i>Langmuir</i> , <b>2019</b> , 35, 5557-5567	4	12
67	Salicylic acid (SA) bioaccessibility from SA-based poly(anhydride-ester). <i>Biomacromolecules</i> , <b>2014</b> , 15, 3406-11	6.9	12
66	Comparison of PEG chain length and density on amphiphilic macromolecular nanocarriers: self-assembled and unimolecular micelles. <i>Acta Biomaterialia</i> , <b>2009</b> , 5, 883-92	10.8	12
65	Analysis of thermal properties of polymeric biomaterials. I. Ultrahigh-molecular-weight polyethylene. <i>Journal of Applied Polymer Science</i> , <b>1998</b> , 68, 1353-1361	2.9	12
64	Chain-Folding and Overall Molecular Conformation in a Novel Amphiphilic Starlike Macromolecule. <i>Macromolecules</i> , <b>2005</b> , 38, 7074-7082	5.5	12
63	Phenolic Acid-based Poly(anhydride-esters) as Antioxidant Biomaterials. <i>Macromolecular Bioscience</i> , <b>2016</b> , 16, 214-22	5.5	12
62	Amphiphilic macromolecule nanoassemblies suppress smooth muscle cell proliferation and platelet adhesion. <i>Biomaterials</i> , <b>2016</b> , 84, 219-229	15.6	11
61	Nanoscale Amphiphilic Star-like Macromolecules with Carboxy-, Methoxy and Amine-terminated Chain Ends. <i>Journal of Bioactive and Compatible Polymers</i> , <b>2006</b> , 21, 297-313	2	11
60	Self-Assembled Amphiphilic Macromolecule Coatings: Comparison of Grafting-From and Grafting-To Approaches for Bioactive Delivery. <i>Langmuir</i> , <b>2016</b> , 32, 5038-47	4	11
59	Nanoscale amphiphilic macromolecules with variable lipophilicity and stereochemistry modulate inhibition of oxidized low-density lipoprotein uptake. <i>Biomacromolecules</i> , <b>2013</b> , 14, 2463-9	6.9	10
58	Stability of a salicylate-based poly(anhydride-ester) to electron beam and gamma radiation. <i>Polymer Degradation and Stability</i> , <b>2011</b> , 96, 1625-1630	4.7	10
57	Storage Stability Study of Salicylate-based Poly(anhydride-esters). <i>Polymer Degradation and Stability</i> , <b>2010</b> , 95, 1778-1782	4.7	10
56	Novel Photoresists Incorporating [(Trimethylsilyl)oxy]styrene. <i>Chemistry of Materials</i> , <b>1994</b> , 6, 287-294	9.6	10
55	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> , <b>2016</b> , 104, 975-82	5.4	9
54	Cationic amphiphiles against Gardnerella vaginalis resistant strains and bacterial vaginosis-associated pathogens. <i>Pathogens and Disease</i> , <b>2019</b> , 77,	4.2	8
53	Impact of hydrophobic chain composition on amphiphilic macromolecule antiatherogenic bioactivity. <i>Biomacromolecules</i> , <b>2014</b> , 15, 3328-37	6.9	8



52	Thermodynamic and physical interactions between novel polymeric surfactants and lipids: toward designing stable polymer-lipid complexes. <i>Langmuir</i> , <b>2011</b> , 27, 9131-8	4	8
51	Degradation of an Aromatic Polyanhydride with Enhanced Thermal Properties. <i>Polymer Degradation and Stability</i> , <b>2015</b> , 115, 70-76	4-7	7
50	Polymeric prodrugs of ampicillin as antibacterial coatings. <i>Journal of Bioactive and Compatible Polymers</i> , <b>2014</b> , 29, 208-220	2	7
49	Viscoelastic behaviors of ultrahigh molecular weight polyethylene under three-point bending and indentation loading. <i>Journal of Biomaterials Applications</i> , <b>2010</b> , 24, 713-32	2-9	7
48	Microscale plasma-initiated patterning of electrospun polymer scaffolds. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2011</b> , 84, 591-6	6	7
47	Processing and hydrolytic degradation of aromatic, ortho-substituted polyanhydrides. <i>Journal of Applied Polymer Science</i> , <b>2001</b> , 80, 32-38	2-9	7
46	In Situ Stepwise Surface Analysis of Micropatterned Glass Substrates in Liquids Using Functional Near-Field Scanning Optical Microscopy. <i>Langmuir</i> , <b>2002</b> , 18, 8593-8600	4	7
45	Thermocleavable friction modifiers for controlled release in lubricants. <i>Tribology International</i> , <b>2018</b> , 120, 58-69	4-9	7
44	Nanotherapeutics Containing Lithocholic Acid-Based Amphiphilic Scorpion-Like Macromolecules Reduce In Vitro Inflammation in Macrophages: Implications for Atherosclerosis. <i>Nanomaterials</i> , <b>2018</b> , 8,	5-4	7
43	Impact of ionizing radiation on physicochemical and biological properties of an amphiphilic macromolecule. <i>Polymer Degradation and Stability</i> , <b>2012</b> , 97, 1686-1689	4-7	6
42	Polymeric Prodrugs: Novel Polymers with Bioactive Components. <i>ACS Symposium Series</i> , <b>1998</b> , 83-91	0-4	6
41	Interactions among vanadium, iron, and cystine in rats growth, blood parameters, and organ Wt/body Wt ratios. <i>Biological Trace Element Research</i> , <b>1984</b> , 6, 118-32	4-5	6
40	One-Pot Polymerization Syntheses: Incorporating Bioactives into Poly(anhydride-esters). <i>Macromolecular Chemistry and Physics</i> , <b>2016</b> , 217, 1842-1850	2-6	6
39	Liposomal stabilization using a sugar-based, PEGylated amphiphilic macromolecule. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 431, 112-6	9-3	5
38	Degree of Unsaturation and Backbone Orientation of Amphiphilic Macromolecules Influence Local Lipid Properties in Large Unilamellar Vesicles. <i>Langmuir</i> , <b>2017</b> , 33, 14663-14673	4	5
37	PolyMorphine provides extended analgesic-like effects in mice with spared nerve injury. <i>Molecular Pain</i> , <b>2017</b> , 13, 1744806917743479	3-4	5
36	Sustained, localized salicylic acid delivery enhances diabetic bone regeneration via prolonged mitigation of inflammation. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2016</b> , 104, 2595-603	5-4	5
35	Pinosylvin-Based Polymers: Biodegradable Poly(Anhydride-Esters) for Extended Release of Antibacterial Pinosylvin. <i>Macromolecular Bioscience</i> , <b>2016</b> , 16, 978-83	5-5	5

34	pH-responsive amphiphilic macromolecular carrier for doxorubicin delivery. <i>Journal of Bioactive and Compatible Polymers</i> , <b>2017</b> , 32, 3-16	2	4
33	Synthesis and Characterization of 5-Aminosalicylic Acid Based Poly(anhydride-esters) by Solution Polymerization. <i>Journal of Polymer Science Part A</i> , <b>2010</b> , 48, 6003-6008	2.5	4
32	Aqueous, Room Temperature Synthesis of a 3(N) Substituted Hydantoin. <i>Synthetic Communications</i> , <b>1986</b> , 16, 1387-1392	1.7	4
31	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> , <b>2016</b> , 31, 140-151	2	4
30	Attenuating Oxidative Stress Via Oxalate Ester-Containing Ferulic Acid-Based Poly(anhydride-esters) that Scavenge Hydrogen Peroxide. <i>Macromolecular Chemistry and Physics</i> , <b>2016</b> , 217, 108-114	2.6	4
29	Sugar-based poly (anhydride-ester) containing natural antioxidants and antimicrobials: Synthesis and formulation into polymer blends. <i>Journal of Bioactive and Compatible Polymers</i> , <b>2017</b> , 32, 196-208	2	3
28	Injectable microspheres for extended delivery of bioactive insulin and salicylic acid. <i>Journal of Bioactive and Compatible Polymers</i> , <b>2015</b> , 30, 340-346	2	3
27	Physically crosslinked salicylate-based poly (N-isopropylacrylamide-co-acrylic acid) hydrogels for protein delivery. <i>Journal of Bioactive and Compatible Polymers</i> , <b>2018</b> , 33, 224-236	2	3
26	Formation of Polymers Containing 4-Hydroxystyrene via Hydrolysis of 4-((Trimethylsilyl)oxy)styrene. <i>Macromolecules</i> , <b>1994</b> , 27, 4936-4940	5.5	3
25	New Directions in the Design of Chemically Amplified Resists. <i>ACS Symposium Series</i> , <b>1995</b> , 52-69	0.4	3
24	Abstract C60: Injectable, biodegradable micro- and nano-particles loaded with prodigiosin-based drug for localized anticancer drug delivery <b>2016</b> ,		3
23	Salicylic Acid-Based Poly(anhydride-esters): Synthesis, Properties, and Applications. <i>ACS Symposium Series</i> , <b>2018</b> , 149-162	0.4	3
22	Extrudable salicylic acid-based poly(anhydride-esters) for injectable drug releasing applications. <i>Journal of Bioactive and Compatible Polymers</i> , <b>2019</b> , 34, 178-189	2	2
21	Biodegradable, Bioactive-Based Poly(anhydride-esters) for Personal Care and Cosmetic Applications. <i>ACS Symposium Series</i> , <b>2013</b> , 145-155	0.4	2
20	Slow release polymer-bdine tablets for disinfection of untreated surface water. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 117, NA-NA	2.9	2
19	Silicon-assisted etherification reactions: application to the synthesis of high-molecular-weight polyethers. <i>Polymer</i> , <b>1994</b> , 35, 1739-1746	3.9	2
18	Spatial location of indomethacin associated with unimeric amphiphilic carrier macromolecules as determined by nuclear magnetic resonance spectroscopy. <i>Magnetic Resonance in Chemistry</i> , <b>2016</b> , 54, 575-83	2.1	2
17	Ultrastructures and Mechanics of Annealed Major Ampullate Silk. <i>Biomacromolecules</i> , <b>2020</b> , 21, 1186-1194	4.9	1

16	Location of the Positive Charges in Cationic Amphiphiles Modulates Their Mechanism of Action against Model Membranes. <i>Langmuir</i> , <b>2019</b> , 35, 14117-14123	4	1
15	Bioactive-Based Poly(anhydride-esters) and Blends for Controlled Drug Delivery. <i>ACS Symposium Series</i> , <b>2013</b> , 27-37	0.4	1
14	Polymerized Drugs [A Novel Approach to Controlled Release Systems <b>2017</b> , 355-390		1
13	Biobased Oligomeric Esters Comprised of 1,3-Propanediol, Succinic Acid, and Fatty Acids. <i>Macromolecular Chemistry and Physics</i> , <b>2017</b> , 218, 1700190	2.6	1
12	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> , <b>2017</b> , 105, 311-318	5.4	1
11	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> , <b>2015</b> , 53, 685-689	2.6	1
10	Carbohydrate-derived amphiphilic macromolecules: a biophysical structural characterization and analysis of binding behaviors to model membranes. <i>Journal of Functional Biomaterials</i> , <b>2015</b> , 6, 171-91	4.8	1
9	Degradation of Poly(Anhydride-Co-Imides): Novel Polymers for Orthopedic Applications. <i>Materials Research Society Symposia Proceedings</i> , <b>1995</b> , 394, 41		1
8	Salicylic Acid Polymers in Periodontal Tissue Healing <b>2020</b> , 43-53		1
7	Poly-salicylic Acid Polymer Microparticle Decoys Therapeutically Treat Acute Respiratory Distress Syndrome. <i>Advanced Healthcare Materials</i> , <b>2021</b> , e2101534	10.1	1
6	Modifying the Properties of Collagen Scaffolds with Microfluidics. <i>Materials Research Society Symposia Proceedings</i> , <b>2005</b> , 897, 1		
5	Unipolymeric Micelles. <i>ACS Symposium Series</i> , <b>2000</b> , 298-309	0.4	
4	Branched Polymeric Micelles: Synthesis and Encapsulation. <i>ACS Symposium Series</i> , <b>1998</b> , 117-124	0.4	
3	Designing Polymers for Medical Applications <b>2004</b> , 1-6		
2	Green Chemistry Principles In Advancing Hierarchical Functionalization of Polymer-Based Nanomedicines. <i>ACS Symposium Series</i> , <b>2020</b> , 135-157	0.4	
1	CD36-Binding Amphiphilic Nanoparticles for Attenuation of $\beta$ Synuclein-Induced Microglial Activation. <i>Advanced NanoBiomed Research</i> , 2100120	0	