

Frederik R Wurm

List of Publications by Citations

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239
papers

9,109
citations

46
h-index

86
g-index

260
ext. papers

10,904
ext. citations

7.8
avg, IF

6.89
L-index

#	Paper	IF	Citations
239	Protein adsorption is required for stealth effect of poly(ethylene glycol)- and poly(phosphoester)-coated nanocarriers. <i>Nature Nanotechnology</i> , 2016 , 11, 372-7	28.7	741
238	Liposomes and polymersomes: a comparative review towards cell mimicking. <i>Chemical Society Reviews</i> , 2018 , 47, 8572-8610	58.5	458
237	Plastics of the Future? The Impact of Biodegradable Polymers on the Environment and on Society. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 50-62	16.4	444
236	Polymerization of Ethylene Oxide, Propylene Oxide, and Other Alkylene Oxides: Synthesis, Novel Polymer Architectures, and Bioconjugation. <i>Chemical Reviews</i> , 2016 , 116, 2170-243	68.1	406
235	Molecular Firefighting-How Modern Phosphorus Chemistry Can Help Solve the Challenge of Flame Retardancy. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 10450-10467	16.4	268
234	Linear/dendritic block copolymers: The state of the art and exciting perspectives. <i>Progress in Polymer Science</i> , 2011 , 36, 1-52	29.6	223
233	Polymeric janus particles. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 8412-21	16.4	199
232	Poly(phosphoester)s: A New Platform for Degradable Polymers. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 6098-108	16.4	159
231	Carbohydrate nanocarriers in biomedical applications: functionalization and construction. <i>Chemical Society Reviews</i> , 2015 , 44, 8301-25	58.5	154
230	Multifunctional Poly(ethylene glycol)s. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 7988-97	16.4	150
229	Reactions and Polymerizations at the Liquid-Liquid Interface. <i>Chemical Reviews</i> , 2016 , 116, 2141-69	68.1	141
228	Biodegradable lignin nanocontainers. <i>RSC Advances</i> , 2014 , 4, 11661-11663	3.7	130
227	Main-chain poly(phosphoester)s: History, syntheses, degradation, bio-and flame-retardant applications. <i>Progress in Polymer Science</i> , 2017 , 73, 61-122	29.6	123
226	Carbohydrate-Based Nanocarriers Exhibiting Specific Cell Targeting with Minimum Influence from the Protein Corona. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 7436-40	16.4	117
225	Hyperbranched Polyglycerols with Elevated Molecular Weights: A Facile Two-Step Synthesis Protocol Based on Polyglycerol Macroinitiators. <i>Macromolecules</i> , 2009 , 42, 3230-3236	5.5	107
224	Synthesis and noncovalent protein conjugation of linear-hyperbranched PEG-poly(glycerol) alpha,omega(n)-telechelics. <i>Journal of the American Chemical Society</i> , 2009 , 131, 7954-5	16.4	105
223	Double-Hydrophilic Linear-Hyperbranched Block Copolymers Based on Poly(ethylene oxide) and Poly(glycerol). <i>Macromolecules</i> , 2008 , 41, 1184-1188	5.5	104

222	Hyperbranched unsaturated polyphosphates as a protective matrix for long-term photon upconversion in air. <i>Journal of the American Chemical Society</i> , 2014 , 136, 11057-64	16.4	101
221	Be squared: expanding the horizon of squaric acid-mediated conjugations. <i>Chemical Society Reviews</i> , 2013 , 42, 8220-36	58.5	96
220	Functional biodegradable polymers via ring-opening polymerization of monomers without protective groups. <i>Chemical Society Reviews</i> , 2018 , 47, 7739-7782	58.5	89
219	Coating nanoparticles with tunable surfactants facilitates control over the protein corona. <i>Biomaterials</i> , 2017 , 115, 1-8	15.6	82
218	Water-Soluble Poly(phosphonate)s via Living Ring-Opening Polymerization.. <i>ACS Macro Letters</i> , 2014 , 3, 244-248	6.6	81
217	Amino Functional Poly(ethylene glycol) Copolymers via Protected Amino Glycidol. <i>Macromolecules</i> , 2010 , 43, 2244-2251	5.5	79
216	Unsaturated Polyphosphoesters via Acyclic Diene Metathesis Polymerization. <i>Macromolecules</i> , 2012 , 45, 8511-8518	5.5	78
215	Functional PEG-based polymers with reactive groups via anionic ROP of tailor-made epoxides. <i>Polymer Chemistry</i> , 2012 , 3, 1714	4.9	78
214	Morphology-Controlled Synthesis of Lignin Nanocarriers for Drug Delivery and Carbon Materials. <i>ACS Biomaterials Science and Engineering</i> , 2017 , 3, 2375-2383	5.5	69
213	Hyperbranched poly(phosphoester)s as flame retardants for technical and high performance polymers. <i>Polymer Chemistry</i> , 2014 , 5, 7042-7053	4.9	68
212	Hyperbranched polyglycerol-based lipids via oxyanionic polymerization: toward multifunctional stealth liposomes. <i>Biomacromolecules</i> , 2010 , 11, 568-74	6.9	67
211	Hydrophilicity Regulates the Stealth Properties of Polyphosphoester-Coated Nanocarriers. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 5548-5553	16.4	66
210	Ferrocenyl Glycidyl Ether: A Versatile Ferrocene Monomer for Copolymerization with Ethylene Oxide to Water-Soluble, Thermoresponsive Copolymers. <i>Macromolecules</i> , 2013 , 46, 647-655	5.5	66
209	PEG-based Multifunctional Polyethers with Highly Reactive Vinyl-Ether Side Chains for Click-Type Functionalization. <i>Macromolecules</i> , 2011 , 44, 6326-6334	5.5	66
208	Unsaturated poly(phosphoester)s via ring-opening metathesis polymerization. <i>Polymer Chemistry</i> , 2013 , 4, 3800	4.9	65
207	Nanoparticles from renewable polymers. <i>Frontiers in Chemistry</i> , 2014 , 2, 49	5	64
206	High biocompatibility and improved osteogenic potential of amorphous calcium carbonate/vaterite. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 376-386	7.3	63
205	Electroactive linear-hyperbranched block copolymers based on linear poly(ferrocenylsilane)s and hyperbranched poly(carbosilane)s. <i>Chemistry - A European Journal</i> , 2009 , 15, 9068-77	4.8	62

204	A Library of Well-Defined and Water-Soluble Poly(alkyl phosphonate)s with Adjustable Hydrolysis. <i>Macromolecules</i> , 2015 , 48, 3853-3863	5.5	60
203	Aliphatic Polyethers: Classical Polymers for the 21st Century. <i>Macromolecular Rapid Communications</i> , 2015 , 36, 1147-65	4.8	58
202	Squaric acid mediated synthesis and biological activity of a library of linear and hyperbranched poly(glycerol)-protein conjugates. <i>Biomacromolecules</i> , 2012 , 13, 1161-71	6.9	58
201	Synthesis and Characterization of Poly(glyceryl glycerol) Block Copolymers. <i>Macromolecules</i> , 2008 , 41, 1909-1911	5.5	58
200	Carbanions on Tap Living Anionic Polymerization in a Microstructured Reactor. <i>Macromolecular Chemistry and Physics</i> , 2008 , 209, 1106-1114	2.6	57
199	Functional Poly(ethylene glycol) PEG-Based Random Copolymers with 1,2-Diol Side Chains and Terminal Amino Functionality. <i>Macromolecules</i> , 2010 , 43, 8511-8518	5.5	56
198	Polymere Janus-Partikel. <i>Angewandte Chemie</i> , 2009 , 121, 8564-8574	3.6	54
197	Seawater-Degradable Polymers-Fighting the Marine Plastic Pollution. <i>Advanced Science</i> , 2020 , 8, 2001121	3.6	53
196	Hetero-Multifunctional Poly(ethylene glycol) Copolymers with Multiple Hydroxyl Groups and a Single Terminal Functionality. <i>Macromolecular Rapid Communications</i> , 2010 , 31, 258-64	4.8	52
195	Hyperbranched PEG by random copolymerization of ethylene oxide and glycidol. <i>Macromolecular Rapid Communications</i> , 2010 , 31, 1811-5	4.8	50
194	Fast ultrasound assisted synthesis of chitosan-based magnetite nanocomposites as a modified electrode sensor. <i>Carbohydrate Polymers</i> , 2016 , 151, 760-769	10.3	47
193	Janus micelles induced by olefin metathesis. <i>Journal of the American Chemical Society</i> , 2008 , 130, 5876-7164	16.4	46
192	Paclitaxel-loaded polyphosphate nanoparticles: a potential strategy for bone cancer treatment. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 1298-1306	7.3	44
191	Amphiphilic Linear-Hyperbranched Block Copolymers with Linear Poly(ethylene oxide) and Hyperbranched Poly(carbosilane) Block. <i>Macromolecules</i> , 2008 , 41, 9602-9611	5.5	44
190	Fast Access to Amphiphilic Multiblock Architectures by the Anionic Copolymerization of Aziridines and Ethylene Oxide. <i>Journal of the American Chemical Society</i> , 2018 , 140, 13407-13412	16.4	44
189	Hyperbranched phosphorus flame retardants: multifunctional additives for epoxy resins. <i>Polymer Chemistry</i> , 2019 , 10, 4346-4358	4.9	43
188	Tailoring the stealth properties of biocompatible polysaccharide nanocontainers. <i>Biomaterials</i> , 2015 , 49, 125-34	15.6	43
187	Rapid Access to Polyfunctional Lipids with Complex Architecture via Oxyanionic Ring-Opening Polymerization. <i>Macromolecules</i> , 2011 , 44, 4648-4657	5.5	43

186	Aziridines and azetidines: building blocks for polyamines by anionic and cationic ring-opening polymerization. <i>Polymer Chemistry</i> , 2019 , 10, 3257-3283	4.9	42
185	Microstructure analysis of biocompatible phosphoester copolymers. <i>Polymer Chemistry</i> , 2013 , 4, 4469	4.9	42
184	Sequence-Controlled Polymers via Simultaneous Living Anionic Copolymerization of Competing Monomers. <i>Macromolecular Rapid Communications</i> , 2016 , 37, 833-9	4.8	40
183	Hyperbranched/near-hyperbranched ABA-type block copolymers based on poly(ethylene oxide) and polyglycerol. <i>Polymer International</i> , 2009 , 58, 989-995	3.3	40
182	The organocatalytic ring-opening polymerization of N-tosyl aziridines by an N-heterocyclic carbene. <i>Chemical Communications</i> , 2016 , 52, 9719-22	5.8	40
181	Multihydroxy Polyamines by Living Anionic Polymerization of Aziridines. <i>ACS Macro Letters</i> , 2016 , 5, 195-198	4.8	39
180	Poly(phosphonate)s via Olefin Metathesis: Adjusting Hydrophobicity and Morphology. <i>Macromolecules</i> , 2014 , 47, 4884-4893	5.5	39
179	Reversible Self-Assembly of Degradable Polymersomes with Upper Critical Solution Temperature in Water. <i>Journal of the American Chemical Society</i> , 2017 , 139, 11064-11072	16.4	39
178	From CO ₂ -Based Multifunctional Polycarbonates With a Controlled Number of Functional Groups to Graft Polymers. <i>Macromolecular Chemistry and Physics</i> , 2013 , 214, 892-901	2.6	39
177	Multihydroxyl-Functional Polystyrenes in Continuous Flow. <i>Macromolecules</i> , 2010 , 43, 5582-5588	5.5	39
176	Targeted Drug Delivery in Plants: Enzyme-Responsive Lignin Nanocarriers for the Curative Treatment of the Worldwide Grapevine Trunk Disease Esca. <i>Advanced Science</i> , 2019 , 6, 1802315	13.6	38
175	Bio-Based Lignin Nanocarriers Loaded with Fungicides as a Versatile Platform for Drug Delivery in Plants. <i>Biomacromolecules</i> , 2020 , 21, 2755-2763	6.9	38
174	Oncolytic Nanoreactors Producing Hydrogen Peroxide for Oxidative Cancer Therapy. <i>Nano Letters</i> , 2020 , 20, 526-533	11.5	38
173	Degradable Polyphosphoester-Protein Conjugates: "PPEylation" of Proteins. <i>Biomacromolecules</i> , 2016 , 17, 3338-3346	6.9	37
172	Systematically Controlled Decomposition Mechanism in Phosphorus Flame Retardants by Precise Molecular Architecture: P _D vs P _N . <i>ACS Applied Polymer Materials</i> , 2019 , 1, 1118-1128	4.3	36
171	Biodegradable protein nanocontainers. <i>Biomacromolecules</i> , 2015 , 16, 815-21	6.9	36
170	From an epoxide monomer toolkit to functional PEG copolymers with adjustable LCST behavior. <i>Macromolecular Rapid Communications</i> , 2011 , 32, 1930-4	4.8	36
169	Morphology and Thermal Properties of Precision Polymers: The Crystallization of Butyl Branched Polyethylene and Polyphosphoesters. <i>Macromolecules</i> , 2016 , 49, 1321-1330	5.5	35

168	Interleukin-2 Functionalized Nanocapsules for T Cell-Based Immunotherapy. <i>ACS Nano</i> , 2016 , 10, 9216-9226	16.4	34
167	Controlling the Polymer Microstructure in Anionic Polymerization by Compartmentalization. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 2483-2487	16.4	34
166	Ferrocene-Containing Multifunctional Polyethers: Monomer Sequence Monitoring via Quantitative ¹³ C NMR Spectroscopy in Bulk. <i>Macromolecules</i> , 2014 , 47, 2242-2249	5.5	33
165	Functional Colloidal Stabilization. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1600443	4.6	33
164	Functional Group Distribution and Gradient Structure Resulting from the Living Anionic Copolymerization of Styrene and <i>n</i> -But-3-enyl Styrene. <i>ACS Macro Letters</i> , 2014 , 3, 560-564	6.6	32
163	A metathesis route for BODIPY labeled polyolefins. <i>Organic Letters</i> , 2013 , 15, 3844-7	6.2	32
162	Branched and Functionalized Polybutadienes by a Facile Two-Step Synthesis. <i>Macromolecular Chemistry and Physics</i> , 2008 , 209, 675-684	2.6	31
161	The living anionic polymerization of activated aziridines: a systematic study of reaction conditions and kinetics. <i>Polymer Chemistry</i> , 2017 , 8, 2824-2832	4.9	30
160	Selective Initiation from Unprotected Aminoalcohols for the N-Heterocyclic Carbene-Organocatalyzed Ring-Opening Polymerization of 2-Methyl-N-tosyl Aziridine: Telechelic and Block Copolymer Synthesis. <i>Macromolecules</i> , 2018 , 51, 2533-2541	5.5	29
159	Cubosomes stabilized by a polyphosphoester-analog of Pluronic F127 with reduced cytotoxicity. <i>Journal of Colloid and Interface Science</i> , 2020 , 580, 286-297	9.3	29
158	Water-Soluble Metallocene-Containing Polymers. <i>Macromolecular Rapid Communications</i> , 2016 , 37, 1482-1488	4.8	29
157	Poly(phosphorodiamidate)s by Olefin Metathesis Polymerization with Precise Degradation. <i>Chemistry - A European Journal</i> , 2016 , 22, 17329-17338	4.8	28
156	A Facile Two-Step Route to Branched Polyisoprenes via AB _n -Macromonomers. <i>Macromolecular Rapid Communications</i> , 2007 , 28, 704-709	4.8	28
155	Main-chain water-soluble polyphosphoesters: Multi-functional polymers as degradable PEG-alternatives for biomedical applications. <i>European Polymer Journal</i> , 2020 , 141, 110079	5.2	28
154	Multifunctional Poly(phosphoester)s for Reversible Diels-Alder Postmodification To Tune the LCST in Water. <i>Macromolecules</i> , 2017 , 50, 7852-7862	5.5	27
153	Selective Interfacial Olefin Cross Metathesis for the Preparation of Hollow Nanocapsules. <i>ACS Macro Letters</i> , 2014 , 3, 40-43	6.6	27
152	One-pot squaric acid diester mediated aqueous protein conjugation. <i>Chemical Communications</i> , 2013 , 49, 7815-7	5.8	27
151	In-Chain Poly(phosphonate)s via Acyclic Diene Metathesis Polycondensation. <i>Macromolecules</i> , 2016 , 49, 3761-3768	5.5	27

150	Mechanistic study on the hydrolytic degradation of polyphosphates. <i>European Polymer Journal</i> , 2018 , 108, 286-294	5.2	27
149	N-Ferrocenylsulfonyl-2-methylaziridine: the first ferrocene monomer for the anionic (co)polymerization of aziridines. <i>Polymer Chemistry</i> , 2016 , 7, 5501-5506	4.9	26
148	Poly(alkylidene chlorophosphate)s via Acyclic Diene Metathesis Polymerization: A General Platform for the Postpolymerization Modification of Poly(phosphoester)s. <i>Macromolecules</i> , 2014 , 47, 8506-8513	5.5	26
147	Long-Chain Polyorthoesters as Degradable Polyethylene Mimics. <i>Macromolecules</i> , 2019 , 52, 2411-2420	5.5	25
146	Multifunctional poly(phosphoester)s with two orthogonal protective groups. <i>RSC Advances</i> , 2015 , 5, 42881-42888	3.7	25
145	Expanding the scope of N-heterocyclic carbene-organocatalyzed ring-opening polymerization of N-tosyl aziridines using functional and non-activated amine initiators. <i>European Polymer Journal</i> , 2017 , 95, 746-755	5.2	25
144	Biomimetic Cascade Network between Interactive Multicompartment Organized by Enzyme-Loaded Silica Nanoreactors. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 34230-34237	9.5	25
143	Aziridine termination of living anionic polymerization. <i>Macromolecular Rapid Communications</i> , 2014 , 35, 585-9	4.8	24
142	Enlarging the Toolbox: Epoxide Termination of Polyferrocenylsilane (PFS) as a Key Step for the Synthesis of Amphiphilic PFS-Polyether Block Copolymers.. <i>ACS Macro Letters</i> , 2013 , 2, 313-316	6.6	24
141	Poly(alkyl ethylene phosphonate)s: A New Class of Non-amide Kinetic Hydrate Inhibitor Polymers. <i>Energy & Fuels</i> , 2017 , 31, 3843-3848	4.1	23
140	Vinyl ferrocenyl glycidyl ether: an unprotected orthogonal ferrocene monomer for anionic and radical polymerization. <i>Polymer Chemistry</i> , 2015 , 6, 3617-3624	4.9	23
139	Investigation into the Relaxation Dynamics of Polymer-Protein Conjugates Reveals Surprising Role of Polymer Solvation on Inherent Protein Flexibility. <i>Biomacromolecules</i> , 2016 , 17, 141-7	6.9	23
138	Squaric acid mediated chemoselective PEGylation of proteins: reactivity of single-step-activated amino poly(ethylene glycol)s. <i>Chemistry - A European Journal</i> , 2012 , 18, 16828-35	4.8	23
137	Sphorolipids: Expanding structural diversity by ring-opening cross-metathesis. <i>European Journal of Lipid Science and Technology</i> , 2015 , 117, 217-228	3	22
136	Triple-Stimuli-Responsive Ferrocene-Containing PEGs in Water and on the Surface. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 26137-44	9.5	22
135	Pencil Lead as a Matrix for MALDI-ToF Mass Spectrometry of Sensitive Functional Polymers. <i>Macromolecules</i> , 2007 , 40, 746-751	5.5	22
134	Reversible Bioconjugation: Biodegradable Poly(phosphate)-Protein Conjugates. <i>Macromolecular Bioscience</i> , 2017 , 17,	5.5	21
133	Living Anionic Polymerization of Functional Aziridines. <i>Macromolecular Symposia</i> , 2015 , 349, 51-56	0.8	21

132	Artificial cartilage bio-matrix formed of hyaluronic acid and Mg ²⁺ -polyphosphate. <i>European Cells and Materials</i> , 2016 , 32, 271-283	4.3	21
131	Joining Two Natural Motifs: Catechol-Containing Poly(phosphoester)s. <i>Biomacromolecules</i> , 2017 , 18, 767-777	6.9	20
130	Matrix matters: Hyperbranched flame retardants in aliphatic and aromatic epoxy resins. <i>Polymer Degradation and Stability</i> , 2019 , 170, 108986	4.7	20
129	Kunststoffe der Zukunft? Der Einfluss von bioabbaubaren Polymeren auf Umwelt und Gesellschaft. <i>Angewandte Chemie</i> , 2019 , 131, 50-63	3.6	20
128	Amphiphilic Ferrocene-Containing PEG Block Copolymers as Micellar Nanocarriers and Smart Surfactants. <i>Langmuir</i> , 2017 , 33, 272-279	4	19
127	Self-Assembly of Giant Unilamellar Vesicles by Film Hydration Methodologies. <i>Advanced Biology</i> , 2019 , 3, e1800324	3.5	19
126	Combining oxyanionic polymerization and click-chemistry: a general strategy for the synthesis of polyether polyol macromonomers. <i>Polymer Chemistry</i> , 2014 , 5, 899-909	4.9	19
125	Giant polymersomes from non-assisted film hydration of phosphate-based block copolymers. <i>Polymer Chemistry</i> , 2018 , 9, 5385-5394	4.9	19
124	Polymer-Based Module for NAD Regeneration with Visible Light. <i>ChemBioChem</i> , 2019 , 20, 2593-2596	3.8	18
123	Alcohol- and Water-Tolerant Living Anionic Polymerization of Aziridines. <i>Macromolecules</i> , 2018 , 51, 5713-5719	5.7	18
122	Automated Large-Scale Synthesis of Supramolecular Oligo(p-benzamide) Block Copolymers. <i>Macromolecules</i> , 2007 , 40, 7827-7833	5.5	18
121	Microwave-Assisted Desulfonylation of Polysulfonamides toward Polypropylenimine. <i>ACS Macro Letters</i> , 2018 , 7, 598-603	6.6	17
120	Sulfur's role in the flame retardancy of thio-ether-linked hyperbranched polyphosphoesters in epoxy resins. <i>European Polymer Journal</i> , 2020 , 122, 109390	5.2	17
119	Surface-attached poly(phosphoester)-hydrogels with benzophenone groups. <i>Polymer Chemistry</i> , 2018 , 9, 315-326	4.9	16
118	Side-chain poly(phosphoramidate)s via acyclic diene metathesis polycondensation. <i>Polymer Chemistry</i> , 2016 , 7, 5004-5010	4.9	16
117	Long-chain branched ROMP polymers. <i>Journal of Polymer Science Part A</i> , 2009 , 47, 6932-6940	2.5	16
116	Triazolinedione-clicked poly(phosphoester)s: systematic adjustment of thermal properties. <i>Polymer Chemistry</i> , 2017 , 8, 4074-4078	4.9	15
115	Effect of Polymer Chain Density on Protein-Polymer Conjugate Conformation. <i>Biomacromolecules</i> , 2019 , 20, 1944-1955	6.9	15

114	Polymerizing Phostones: A Fast Way to In-Chain Poly(phosphonate)s with Adjustable Hydrophilicity. <i>Macromolecules</i> , 2018 , 51, 1272-1279	5.5	15
113	Temperature responsive poly(phosphonate) copolymers: from single chains to macroscopic coacervates. <i>Polymer Chemistry</i> , 2018 , 9, 490-498	4.9	15
112	4-Styrenesulfonyl-(2-methyl)aziridine: The First Bivalent Aziridine-Monomer for Anionic and Radical Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2018 , 219, 1700145	2.6	15
111	Cyclohexyl-substituted poly(phosphonate)-copolymers with adjustable glass transition temperatures. <i>Polymer Chemistry</i> , 2016 , 7, 2934-2937	4.9	15
110	Interfacial Conformation of Hydrophilic Polyphosphoesters Affects Blood Protein Adsorption. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 1624-1629	9.5	15
109	Anticancer effect of green tea extract (GTE)-Loaded pH-responsive niosome Coated with PEG against different cell lines. <i>Materials Today Communications</i> , 2021 , 26, 101751	2.5	15
108	Biodegradable, lignin-based encapsulation enables delivery of with programmed enzymatic release against grapevine trunk diseases. <i>Materials Today Bio</i> , 2020 , 7, 100061	9.9	14
107	Acid-Labile Amphiphilic PEO-b-PPO-b-PEO Copolymers: Degradable Poloxamer Analogs. <i>Macromolecular Rapid Communications</i> , 2016 , 37, 775-80	4.8	14
106	β -Heterotelechelic Hyperbranched Polyethers Solubilize Carbon Nanotubes. <i>Macromolecular Chemistry and Physics</i> , 2010 , 211, 932-939	2.6	14
105	Competitive Copolymerization: Access to Aziridine Copolymers with Adjustable Gradient Strengths. <i>Macromolecules</i> , 2019 , 52, 9703-9714	5.5	14
104	First phosphorus AB2 monomer for flame-retardant hyperbranched polyphosphoesters: AB2vs. A2 + B3. <i>Polymer Chemistry</i> , 2019 , 10, 5920-5930	4.9	14
103	Large-Scale Preparation of Polymer Nanocarriers by High-Pressure Microfluidization. <i>Macromolecular Materials and Engineering</i> , 2018 , 303, 1700505	3.9	14
102	PPEylation of proteins: Synthesis, activity, and stability of myoglobin-polyphosphoester conjugates. <i>European Polymer Journal</i> , 2018 , 108, 357-363	5.2	14
101	Poly(phosphonate)-mediated HornerWadsworthEmmons reactions. <i>Polymer Chemistry</i> , 2015 , 6, 1192-1202	4.9	13
100	A modular approach for multifunctional polymersomes with controlled adhesive properties. <i>Soft Matter</i> , 2018 , 14, 894-900	3.6	13
99	Stimulus-Responsive Release from Poly(ferrocenylsilane) Nanocontainers. <i>Macromolecules</i> , 2016 , 49, 105-109	5.5	13
98	Thermoresponsive coacervate formation of random poly(phosphonate) terpolymers. <i>European Polymer Journal</i> , 2017 , 95, 756-765	5.2	13
97	Multifunktionelle Poly(ethylenglycole). <i>Angewandte Chemie</i> , 2011 , 123, 8136-8146	3.6	13

96	Supercooled Water Drops Do Not Freeze During Impact on Hybrid Janus Particle-Based Surfaces. <i>Chemistry of Materials</i> , 2019 , 31, 112-123	9.6	13
95	One-Step Ring Opening Metathesis Block-Like Copolymers and their Compositional Analysis by a Novel Retardation Technique. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 13597-13601	16.4	12
94	Rapid Synthesis and MALDI-ToF Characterization of Poly(ethylene oxide) Multiarm Star Polymers. <i>Macromolecular Chemistry and Physics</i> , 2010 , 211, 35-44	2.6	12
93	Branched Versus Linear Polyisoprene: Flory-Bluggins Interaction Parameters for their Solutions in Cyclohexane. <i>Macromolecular Chemistry and Physics</i> , 2009 , 210, 1433-1439	2.6	12
92	Ferrocenyl-functionalized long chain branched polydienes. <i>Journal of Polymer Science Part A</i> , 2009 , 47, 2518-2529	2.5	12
91	Polymeric hepatitis C virus non-structural protein 5A nanocapsules induce intrahepatic antigen-specific immune responses. <i>Biomaterials</i> , 2016 , 108, 1-12	15.6	12
90	From Compost to Colloids Valorization of Spent Mushroom Substrate. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 6991-6998	8.3	11
89	Pesticide-Loaded Nanocarriers from Lignin Sulfonates-A Promising Tool for Sustainable Plant Protection. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 18468-18475	8.3	11
88	Polyphosphoester surfactants as general stealth coatings for polymeric nanocarriers. <i>Acta Biomaterialia</i> , 2020 , 116, 318-328	10.8	11
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