

Rachel O Reilly

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235
papers

13,468
citations

64
h-index

106
g-index

255
ext. papers

15,113
ext. citations

8.7
avg, IF

7.04
L-index

#	Paper	IF	Citations
235	Cross-linked block copolymer micelles: functional nanostructures of great potential and versatility. <i>Chemical Society Reviews</i> , 2006 , 35, 1068-83	58.5	795
234	Advances and challenges in smart and functional polymer vesicles. <i>Soft Matter</i> , 2009 , 5, 3544	3.6	477
233	End group removal and modification of RAFT polymers. <i>Polymer Chemistry</i> , 2010 , 1, 149-157	4.9	453
232	Anisotropic particles with patchy, multicompartment and Janus architectures: preparation and application. <i>Chemical Society Reviews</i> , 2011 , 40, 2402-16	58.5	440
231	Shell click-crosslinked (SCC) nanoparticles: a new methodology for synthesis and orthogonal functionalization. <i>Journal of the American Chemical Society</i> , 2005 , 127, 16892-9	16.4	293
230	Cylindrical micelles from the living crystallization-driven self-assembly of poly(lactide)-containing block copolymers. <i>Chemical Science</i> , 2011 , 2, 955-960	9.4	280
229	Functionalization of Micelles and Shell Cross-linked Nanoparticles Using Click Chemistry. <i>Chemistry of Materials</i> , 2005 , 17, 5976-5988	9.6	234
228	Facile syntheses of surface-functionalized micelles and shell cross-linked nanoparticles. <i>Journal of Polymer Science Part A</i> , 2006 , 44, 5203-5217	2.5	232
227	Dendrimers Clicked Together Divergently. <i>Macromolecules</i> , 2005 , 38, 5436-5443	5.5	227
226	Chemically programmed self-sorting of gelator networks. <i>Nature Communications</i> , 2013 , 4, 1480	17.4	199
225	Facile one pot synthesis of a range of reversible addition-fragmentation chain transfer (RAFT) agents. <i>Chemical Communications</i> , 2008 , 4183-5	5.8	157
224	Additive-free clicking for polymer functionalization and coupling by tetrazine-norbornene chemistry. <i>Journal of the American Chemical Society</i> , 2011 , 133, 13828-31	16.4	154
223	To aggregate, or not to aggregate? considerations in the design and application of polymeric thermally-responsive nanoparticles. <i>Chemical Society Reviews</i> , 2013 , 42, 7204-13	58.5	150
222	Noncovalently connected micelles, nanoparticles, and metal-functionalized nanocages using supramolecular self-assembly. <i>Journal of the American Chemical Society</i> , 2008 , 130, 8714-25	16.4	149
221	Thermally induced micelle to vesicle morphology transition for a charged chain end diblock copolymer. <i>Chemical Communications</i> , 2010 , 46, 1091-3	5.8	148
220	Design of highly active iron-based catalysts for atom transfer radical polymerization: tridentate salicylaldiminato ligands affording near ideal Nernstian behavior. <i>Journal of the American Chemical Society</i> , 2003 , 125, 8450-1	16.4	137
219	Permeable Protein-Loaded Polymersome Cascade Nanoreactors by Polymerization-Induced Self-Assembly. <i>ACS Macro Letters</i> , 2017 , 6, 1263-1267	6.6	136

218	Fluorogenic 1,3-dipolar cycloaddition within the hydrophobic core of a shell cross-linked nanoparticle. <i>Chemistry - A European Journal</i> , 2006 , 12, 6776-86	4.8	134
217	The analysis of solution self-assembled polymeric nanomaterials. <i>Chemical Society Reviews</i> , 2014 , 43, 2412-25	58.5	133
216	Confinement of Therapeutic Enzymes in Selectively Permeable Polymer Vesicles by Polymerization-Induced Self-Assembly (PISA) Reduces Antibody Binding and Proteolytic Susceptibility. <i>ACS Central Science</i> , 2018 , 4, 718-723	16.8	128
215	1D 2D shape selectivity in the crystallization-driven self-assembly of polylactide block copolymers. <i>Chemical Science</i> , 2017 , 8, 4223-4230	9.4	125
214	Biomimetic radical polymerization via cooperative assembly of segregating templates. <i>Nature Chemistry</i> , 2012 , 4, 491-7	17.6	123
213	Multistep DNA-templated reactions for the synthesis of functional sequence controlled oligomers. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 7948-51	16.4	123
212	Getting into Shape: Reflections on a New Generation of Cylindrical Nanostructures' Self-Assembly Using Polymer Building Blocks. <i>Journal of the American Chemical Society</i> , 2019 , 141, 2742-2753	16.4	119
211	Four-coordinate iron complexes bearing alpha-diimine ligands: efficient catalysts for atom transfer radical polymerisation (ATRP). <i>Chemical Communications</i> , 2002 , 1850-1	5.8	117
210	Block copolymers: controlling nanostructure to generate functional materials - synthesis, characterization, and engineering. <i>Chemical Science</i> , 2016 , 7, 1674-1689	9.4	115
209	Precision Epitaxy for Aqueous 1D and 2D Poly(E-caprolactone) Assemblies. <i>Journal of the American Chemical Society</i> , 2017 , 139, 16980-16985	16.4	114
208	Comparison of photo- and thermally initiated polymerization-induced self-assembly: a lack of end group fidelity drives the formation of higher order morphologies. <i>Polymer Chemistry</i> , 2017 , 8, 2860-2874	4.9	113
207	Thermoresponsive Polymer-Supported L-Proline Micelle Catalysts for the Direct Asymmetric Aldol Reaction in Water.. <i>ACS Macro Letters</i> , 2013 , 2, 327-331	6.6	108
206	Structural reorganization of cylindrical nanoparticles triggered by polylactide stereocomplexation. <i>Nature Communications</i> , 2014 , 5, 5746	17.4	106
205	An autonomous molecular assembler for programmable chemical synthesis. <i>Nature Chemistry</i> , 2016 , 8, 542-8	17.6	103
204	Tuning the Size of Cylindrical Micelles from Poly(l-lactide)-b-poly(acrylic acid) Diblock Copolymers Based on Crystallization-Driven Self-Assembly. <i>Macromolecules</i> , 2013 , 46, 9074-9082	5.5	101
203	Self-assembly of hydrophilic homopolymers: a matter of RAFT end groups. <i>Small</i> , 2011 , 7, 2070-80	11	98
202	Conjugation-induced fluorescent labeling of proteins and polymers using dithiomaleimides. <i>Journal of the American Chemical Society</i> , 2013 , 135, 2875-8	16.4	97
201	Polymerization of Methyl Methacrylate Using Four-Coordinate (Diimine)iron Catalysts: Atom Transfer Radical Polymerization vs Catalytic Chain Transfer. <i>Macromolecules</i> , 2003 , 36, 2591-2593	5.5	97

200	L-Proline Functionalized Polymers Prepared by RAFT Polymerization and Their Assemblies as Supported Organocatalysts. <i>Macromolecules</i> , 2011 , 44, 7233-7241	5.5	96
199	Functionalized Organocatalytic Nanoreactors: Hydrophobic Pockets for Acylation Reactions in Water. <i>Macromolecules</i> , 2012 , 45, 2377-2384	5.5	95
198	Dispersity effects in polymer self-assemblies: a matter of hierarchical control. <i>Chemical Society Reviews</i> , 2017 , 46, 4119-4134	58.5	92
197	Self-assembly of cyclic polymers. <i>Polymer Chemistry</i> , 2015 , 6, 2998-3008	4.9	92
196	Crystallization-driven sphere-to-rod transition of poly(lactide)-b-poly(acrylic acid) diblock copolymers: mechanism and kinetics. <i>Soft Matter</i> , 2012 , 8, 7408	3.6	91
195	Advances in nanoreactor technology using polymeric nanostructures. <i>Current Opinion in Biotechnology</i> , 2013 , 24, 639-45	11.4	90
194	Iron complexes bearing iminopyridine and aminopyridine ligands as catalysts for atom transfer radical polymerisation. <i>Dalton Transactions</i> , 2003 , 2824	4.3	82
193	Stretchable and Flexible Buckypaper-Based Lactate Biofuel Cell for Wearable Electronics. <i>Advanced Functional Materials</i> , 2019 , 29, 1905785	15.6	81
192	Insights into Active Targeting of Nanoparticles in Drug Delivery: Advances in Clinical Studies and Design Considerations for Cancer Nanomedicine. <i>Bioconjugate Chemistry</i> , 2019 , 30, 2300-2311	6.3	80
191	Preparation of orthogonally-functionalized core Click cross-linked nanoparticles. <i>New Journal of Chemistry</i> , 2007 , 31, 718-724	3.6	80
190	Five-coordinate iron(II) complexes bearing tridentate nitrogen donor ligands as catalysts for atom transfer radical polymerisation. <i>Polyhedron</i> , 2004 , 23, 2921-2928	2.7	80
189	"Giant surfactants" created by the fast and efficient functionalization of a DNA tetrahedron with a temperature-responsive polymer. <i>ACS Nano</i> , 2013 , 7, 8561-72	16.7	79
188	Using metallo-supramolecular block copolymers for the synthesis of higher order nanostructured assemblies. <i>Macromolecular Rapid Communications</i> , 2010 , 31, 37-52	4.8	77
187	One-pot synthesis of responsive sulfobetaine nanoparticles by RAFT polymerisation: the effect of branching on the UCST cloud point. <i>Polymer Chemistry</i> , 2014 , 5, 1023-1030	4.9	75
186	Diimine, Diamine, and Diphosphine Iron Catalysts for the Controlled Radical Polymerization of Styrene and Acrylate Monomers. <i>Macromolecules</i> , 2007 , 40, 7441-7452	5.5	75
185	Nucleobase Containing Synthetic Polymers: Advancing Biomimicry via Controlled Synthesis and Self-Assembly. <i>Macromolecules</i> , 2012 , 45, 7665-7675	5.5	73
184	A comparative study of the stimuli-responsive properties of DMAEA and DMAEMA containing polymers. <i>Journal of Polymer Science Part A</i> , 2013 , 51, 3333-3338	2.5	72
183	Programmable one-pot multistep organic synthesis using DNA junctions. <i>Journal of the American Chemical Society</i> , 2012 , 134, 1446-9	16.4	71

182	Advantages of Block Copolymer Synthesis by RAFT-Controlled Dispersion Polymerization in Supercritical Carbon Dioxide. <i>Macromolecules</i> , 2013 , 46, 6843-6851	5.5	70
181	Shape Effect of Glyco-Nanoparticles on Macrophage Cellular Uptake and Immune Response. <i>ACS Macro Letters</i> , 2016 , 5, 1059-1064	6.6	70
180	Exploiting nucleobase-containing materials [From monomers to complex morphologies using RAFT dispersion polymerization. <i>Polymer Chemistry</i> , 2015 , 6, 106-117	4.9	69
179	Exploiting the role of nanoparticle shape in enhancing hydrogel adhesive and mechanical properties. <i>Nature Communications</i> , 2020 , 11, 1420	17.4	69
178	Reversible morphological switching of nanostructures in solution. <i>Chemical Communications</i> , 2011 , 47, 355-7	5.8	69
177	Polymers with molecular weight dependent LCSTs are essential for cooperative behaviour. <i>Polymer Chemistry</i> , 2012 , 3, 794	4.9	68
176	Synthesis of chiral micelles and nanoparticles from amino acid based monomers using RAFT polymerization. <i>Journal of Polymer Science Part A</i> , 2008 , 46, 3690-3702	2.5	68
175	Sequence-specific synthesis of macromolecules using DNA-templated chemistry. <i>Chemical Communications</i> , 2012 , 48, 5614-6	5.8	67
174	Self-Assembly of Temperature-Responsive Protein-Polymer Bioconjugates. <i>Bioconjugate Chemistry</i> , 2015 , 26, 1890-9	6.3	66
173	Tuning the membrane permeability of polymersome nanoreactors developed by aqueous emulsion polymerization-induced self-assembly. <i>Nanoscale</i> , 2019 , 11, 12643-12654	7.7	64
172	Crystal growth inhibition of tetrahydrofuran hydrate with poly(N-vinyl piperidone) and other poly(N-vinyl lactam) homopolymers. <i>Chemical Engineering Science</i> , 2011 , 66, 6555-6560	4.4	64
171	Precision polymers: a kinetic approach for functional poly(norbornenes). <i>Chemical Science</i> , 2014 , 5, 2246-2250	2.5	63
170	Expanding the scope of the crystallization-driven self-assembly of polylactide-containing polymers. <i>Polymer Chemistry</i> , 2014 , 5, 1427-1436	4.9	63
169	Aldol reactions catalyzed by L-proline functionalized polymeric nanoreactors in water. <i>Chemical Communications</i> , 2012 , 48, 9699-701	5.8	60
168	Synthesis of Core Functionalized Polymer Micelles and Shell Cross-Linked Nanoparticles. <i>Macromolecules</i> , 2008 , 41, 2998-3006	5.5	60
167	A simple approach to characterizing block copolymer assemblies: graphene oxide supports for high contrast multi-technique imaging. <i>Soft Matter</i> , 2012 , 8, 3322-3328	3.6	59
166	Uniform Biodegradable Fiber-Like Micelles and Block Comicelles via "Living" Crystallization-Driven Self-Assembly of Poly(L-lactide) Block Copolymers: The Importance of Reducing Unimer Self-Nucleation via Hydrogen Bond Disruption. <i>Journal of the American Chemical Society</i> , 2019 , 141, 19088-19098	16.4	58
165	Functional Degradable Polymers by Xanthate-Mediated Polymerization. <i>Macromolecules</i> , 2014 , 47, 2847-2852	2.5	58

164	Tuning the catalytic activity of L-proline functionalized hydrophobic nanogel particles in water. <i>Chemical Science</i> , 2013 , 4, 965-969	9.4	58
163	Orthogonal Modification of Norbornene-Functional Degradable Polymers. <i>ACS Macro Letters</i> , 2012 , 1, 1285-1290	6.6	58
162	Controlling the Size of Two-Dimensional Polymer Platelets for Water-in-Water Emulsifiers. <i>ACS Central Science</i> , 2018 , 4, 63-70	16.8	58
161	Organocatalytic Tunable Amino Acid Polymers Prepared by Controlled Radical Polymerization. <i>Macromolecules</i> , 2010 , 43, 6374-6380	5.5	57
160	Ring-Opening Metathesis Polymerization in Aqueous Media Using a Macroinitiator Approach. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 10672-10676	16.4	57
159	Strategies for preparing fluorescently labelled polymer nanoparticles. <i>Polymer International</i> , 2015 , 64, 174-182	3.3	56
158	Predicting Monomers for Use in Polymerization-Induced Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 15733-15737	16.4	56
157	Effect of Complementary Nucleobase Interactions on the Copolymer Composition of RAFT Copolymerizations.. <i>ACS Macro Letters</i> , 2013 , 2, 581-586	6.6	54
156	pH-Responsive Vesicles from a Schizophrenic Diblock Copolymer. <i>Macromolecular Chemistry and Physics</i> , 2010 , 211, 1530-1537	2.6	53
155	Synthesis and applications of anisotropic nanoparticles with precisely defined dimensions. <i>Nature Reviews Chemistry</i> , 2021 , 5, 21-45	34.6	53
154	Aminomaleimide fluorophores: a simple functional group with bright, solvent dependent emission. <i>Chemical Communications</i> , 2015 , 51, 9733-6	5.8	52
153	Photoinitiated Polymerization-Induced Self-Assembly in the Presence of Surfactants Enables Membrane Protein Incorporation into Vesicles. <i>Macromolecules</i> , 2018 , 51, 6190-6201	5.5	52
152	Multicomponent Organic Nanoparticles for Fluorescence Studies in Biological Systems. <i>Advanced Functional Materials</i> , 2012 , 22, 2469-2478	15.6	52
151	Hollow nanostructures from self-assembled supramolecular metallo-triblock copolymers. <i>Soft Matter</i> , 2009 , 5, 2361	3.6	52
150	Exploiting the tetrazine-norbornene reaction for single polymer chain collapse. <i>Nanoscale</i> , 2014 , 6, 4102-4113	7.7	51
149	Functional Degradable Polymers by Radical Ring-Opening Copolymerization of MDO and Vinyl Bromobutanoate: Synthesis, Degradability and Post-Polymerization Modification. <i>Biomacromolecules</i> , 2015 , 16, 2049-58	6.9	51
148	Cyclic Graft Copolymer Unimolecular Micelles: Effects of Cyclization on Particle Morphology and Thermoresponsive Behavior. <i>Macromolecules</i> , 2016 , 49, 2802-2813	5.5	50
147	RAFT dispersion polymerization: a method to tune the morphology of thymine-containing self-assemblies. <i>Polymer Chemistry</i> , 2015 , 6, 4984-4992	4.9	48

146	pH-switchable polymer nanostructures for controlled release. <i>Polymer Chemistry</i> , 2012 , 3, 3007	4.9	48
145	Synthesis of Hollow Responsive Functional Nanocages Using a Metal-Ligand Complexation Strategy. <i>Macromolecules</i> , 2008 , 41, 3571-3578	5.5	48
144	Catalytic polymeric nanoreactors: more than a solid supported catalyst. <i>MRS Communications</i> , 2012 , 2, 119-126	2.7	47
143	Blocked isocyanates: from analytical and experimental considerations to non-polyurethane applications. <i>Polymer Chemistry</i> , 2016 , 7, 7351-7364	4.9	46
142	New functional handle for use as a self-reporting contrast and delivery agent in nanomedicine. <i>Journal of the American Chemical Society</i> , 2013 , 135, 9518-24	16.4	46
141	Synthesis and Self-Assembly of Amphiphilic Chiral Poly(amino acid) Star Polymers. <i>Macromolecules</i> , 2010 , 43, 5949-5955	5.5	46
140	Missing Poly(N-vinyl lactam) Kinetic Hydrate Inhibitor: High-Pressure Kinetic Hydrate Inhibition of Structure II Gas Hydrates with Poly(N-vinyl piperidone) and Other Poly(N-vinyl lactam) Homopolymers. <i>Energy & Fuels</i> , 2011 , 25, 4595-4599	4.1	45
139	The Missing Lactam-Thermoresponsive and Biocompatible Poly(N-vinylpiperidone) Polymers by Xanthate-Mediated RAFT Polymerization. <i>Macromolecules</i> , 2011 , 44, 886-893	5.5	44
138	Tetrazine-norbornene click reactions to functionalize degradable polymers derived from lactide. <i>Macromolecular Rapid Communications</i> , 2011 , 32, 1362-6	4.8	44
137	Fluorescent and chemico-fluorescent responsive polymers from dithiomaleimide and dibromomaleimide functional monomers. <i>Chemical Science</i> , 2014 , 5, 2717	9.4	43
136	Dibromomaleimide End Functional Polymers by RAFT Polymerization Without the Need of Protecting Groups.. <i>ACS Macro Letters</i> , 2012 , 1, 222-226	6.6	43
135	Polymeric ligands as homogeneous, reusable catalyst systems for copper assisted click chemistry. <i>Chemical Communications</i> , 2010 , 46, 8719-21	5.8	42
134	Controlling the synthesis of degradable vinyl polymers by xanthate-mediated polymerization. <i>Polymer Chemistry</i> , 2015 , 6, 7447-7454	4.9	41
133	Poly(oligo(ethylene glycol) vinyl acetate)s: A Versatile Class of Thermoresponsive and Biocompatible Polymers. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 9178-9182	16.4	40
132	Ring-opening metathesis polymerization-induced self-assembly (ROMPISA). <i>Chemical Communications</i> , 2019 , 55, 9066-9071	5.8	40
131	Self-assembled nanostructures from amphiphilic block copolymers prepared via ring-opening metathesis polymerization (ROMP). <i>Progress in Polymer Science</i> , 2020 , 107, 101278	29.6	36
130	Poly(Pentafluorophenyl Methacrylate)-Based Nano-Objects Developed by Photo-PISA as Scaffolds for Post-Polymerization Functionalization. <i>Macromolecular Rapid Communications</i> , 2019 , 40, e1800460	4.8	36
129	Polymerization-Induced Polymersome Fusion. <i>Journal of the American Chemical Society</i> , 2019 , 141, 20234-20243	16.2	36

128	The critical importance of size on thermoresponsive nanoparticle transition temperatures: gold and micelle-based polymer nanoparticles. <i>Chemical Communications</i> , 2011 , 47, 11627-9	5.8	35
127	Predicting Monomers for Use in Aqueous Ring-Opening Metathesis Polymerization-Induced Self-Assembly. <i>ACS Macro Letters</i> , 2019 , 8, 466-472	6.6	34
126	The Copolymer Blending Method: A New Approach for Targeted Assembly of Micellar Nanoparticles. <i>Macromolecules</i> , 2015 , 48, 6516-6522	5.5	34
125	The Evolution of DNA-Templated Synthesis as a Tool for Materials Discovery. <i>Accounts of Chemical Research</i> , 2017 , 50, 2496-2509	24.3	34
124	Catalytic Y-tailed amphiphilic homopolymers - aqueous nanoreactors for high activity, low loading SCS pincer catalysts. <i>Polymer Chemistry</i> , 2013 , 4, 2033-2039	4.9	34
123	Using metal-ligand interactions for the synthesis of metallostar polymers. <i>Dalton Transactions</i> , 2010 , 388-91	4.3	34
122	Stabilization of Amino Acid Derived Diblock Copolymer Micelles through Favorable d:l side chain interactions. <i>Macromolecules</i> , 2010 , 43, 1309-1318	5.5	34
121	Functional and tuneable amino acid polymers prepared by RAFT polymerization. <i>Journal of Polymer Science Part A</i> , 2009 , 47, 6814-6826	2.5	33
120	Glyco-Platelets with Controlled Morphologies via Crystallization-Driven Self-Assembly and Their Shape-Dependent Interplay with Macrophages. <i>ACS Macro Letters</i> , 2019 , 596-602	6.6	32
119	Highly active, thermo-responsive polymeric catalytic system for reuse in aqueous and organic CuAAC reactions. <i>Journal of Polymer Science Part A</i> , 2011 , 49, 2878-2885	2.5	32
118	Rational design of substituted maleimide dyes with tunable fluorescence and solvafluorochromism. <i>Chemical Communications</i> , 2018 , 54, 3339-3342	5.8	31
117	Understanding the CDSA of poly(lactide) containing triblock copolymers. <i>Polymer Chemistry</i> , 2017 , 8, 5504-5512	4.9	31
116	Peptidomimetic bond formation by DNA-templated acyl transfer. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 1661-6	3.9	31
115	Spherical polymer micelles: nanosized reaction vessels?. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2007 , 365, 2863-78	3	31
114	Precious metal carborane polymer nanoparticles: characterisation of micellar formulations and anticancer activity. <i>Faraday Discussions</i> , 2014 , 175, 229-40	3.6	30
113	Hollow block copolymer nanoparticles through a spontaneous one-step structural reorganization. <i>ACS Nano</i> , 2013 , 7, 1120-8	16.7	30
112	Tuning the aggregation behavior of pH-responsive micelles by copolymerization. <i>Polymer Chemistry</i> , 2015 , 6, 2761-2768	4.9	29
111	Fluorescent Block Copolymer Micelles That Can Self-Report on Their Assembly and Small Molecule Encapsulation. <i>Macromolecules</i> , 2016 , 49, 653-662	5.5	29

110	Structural characterization of amphiphilic homopolymer micelles using light scattering, SANS, and cryo-TEM. <i>Macromolecules</i> , 2013 , 46, 6319-6325	5.5	29
109	Mutual binding of polymer end-groups by complementary π -stacking: a molecular "Roman Handshake". <i>Chemical Communications</i> , 2013 , 49, 454-6	5.8	29
108	Recent Trends in Advanced Polymer Materials in Agriculture Related Applications. <i>ACS Applied Polymer Materials</i> , 2021 , 3, 1203-1217	4.3	29
107	Molecular recognition driven catalysis using polymeric nanoreactors. <i>Chemical Communications</i> , 2012 , 48, 10280-2	5.8	28
106	Fabrication of crystals from single metal atoms. <i>Nature Communications</i> , 2014 , 5, 3851	17.4	27
105	Poly(sarcosine)-Based Nano-Objects with Multi-Protease Resistance by Aqueous Photoinitiated Polymerization-Induced Self-Assembly (Photo-PISA). <i>Biomacromolecules</i> , 2018 , 19, 4453-4462	6.9	27
104	Elastomeric polyamide biomaterials with stereochemically tuneable mechanical properties and shape memory. <i>Nature Communications</i> , 2020 , 11, 3250	17.4	26
103	Blending block copolymer micelles in solution; Obstacles of blending. <i>Polymer Chemistry</i> , 2016 , 7, 1577-1583	4.5	26
102	Dual effect of thiol addition on fluorescent polymeric micelles: ON-to-OFF emissive switch and morphology transition. <i>Chemical Communications</i> , 2014 , 50, 11492-5	5.8	26
101	Recyclable l-Proline Functional Nanoreactors with Temperature-Tuned Activity Based on Core/Shell Nanogels. <i>ACS Macro Letters</i> , 2014 , 3, 1235-1239	6.6	25
100	Glutathione-triggered disassembly of isothermally responsive polymer nanoparticles obtained by nanoprecipitation of hydrophilic polymers. <i>Polymer Chemistry</i> , 2014 , 5, 126-131	4.9	25
99	The direct synthesis of sulfobetaine-containing amphiphilic block copolymers and their self-assembly behavior. <i>European Polymer Journal</i> , 2017 , 87, 497-507	5.2	24
98	Effect of Micellization on the Thermoresponsive Behavior of Polymeric Assemblies. <i>ACS Macro Letters</i> , 2015 , 4, 1210-1214	6.6	23
97	Micellar nanoparticles with tuneable morphologies through interactions between nucleobase-containing synthetic polymers in aqueous solution. <i>Polymer Chemistry</i> , 2016 , 7, 4254-4262	4.9	23
96	Recent developments in entropy-driven ring-opening metathesis polymerization: Mechanistic considerations, unique functionality, and sequence control. <i>Journal of Polymer Science Part A</i> , 2019 , 57, 1621-1634	2.5	23
95	Atom-transfer cyclization with CuSO ₄ /KBH ₄ : a formal "activators generated by electron transfer" process also applicable to atom-transfer polymerization. <i>Journal of Organic Chemistry</i> , 2012 , 77, 6778-88 ^{4.2}	4.2	23
94	Multistep DNA-Templated Reactions for the Synthesis of Functional Sequence Controlled Oligomers. <i>Angewandte Chemie</i> , 2010 , 122, 8120-8123	3.6	23
93	Reactivity and Characterization of Transition-Metal Carbonyl Clusters Using UV Laser Desorption Mass Spectrometry. <i>Organometallics</i> , 1999 , 18, 4090-4097	3.8	23

92	Complementary light scattering and synchrotron small-angle X-ray scattering studies of the micelle-to-unimer transition of polysulfobetaines. <i>Soft Matter</i> , 2015 , 11, 3666-76	3.6	22
91	Manipulating the fluorescence lifetime at the sub-cellular scale via photo-switchable barcoding. <i>Nature Communications</i> , 2020 , 11, 2460	17.4	22
90	Nickel-Catalyzed Coordination Polymerization-Induced Self-Assembly of Helical Poly(aryl isocyanide)s. <i>ACS Macro Letters</i> , 2020 , 9, 226-232	6.6	22
89	Preparation of chiral amino acid materials and the study of their interactions with 1,1-Bi-2-naphthol. <i>Journal of Polymer Science Part A</i> , 2012 , 50, 3567-3574	2.5	22
88	A Mix-and-Click Approach to Double Core-Shell Micelle Functionalization. <i>ACS Macro Letters</i> , 2012 , 1, 896-901	6.6	21
87	Immobilization of MacMillan catalyst via controlled radical polymerization: catalytic activity and reuse. <i>Polymer Chemistry</i> , 2013 , 4, 2304	4.9	21
86	Exploring RAFT polymerization for the synthesis of bipolar diblock copolymers and their supramolecular self-assembly. <i>Polymer Chemistry</i> , 2011 , 2, 720-729	4.9	21
85	Nickel(II) Diimine catalysts for the atom transfer radical polymerization of styrene. <i>Inorganica Chimica Acta</i> , 2006 , 359, 4417-4420	2.7	21
84	Entrapment and Rigidification of Adenine by a Photo-Cross-Linked Thymine Network Leads to Fluorescent Polymer Nanoparticles. <i>Chemistry of Materials</i> , 2018 , 30, 1408-1416	9.6	20
83	Degradable precision polynorbornenes via ring-opening metathesis polymerization. <i>Journal of Polymer Science Part A</i> , 2016 , 54, 1236-1242	2.5	20
82	Size and shape affects the antimicrobial activity of quaternized nanoparticles. <i>Journal of Polymer Science Part A</i> , 2019 , 57, 255-259	2.5	20
81	Self-healing, stretchable and robust interpenetrating network hydrogels. <i>Biomaterials Science</i> , 2018 , 6, 2932-2937	7.4	20
80	Robust bifunctional buckypapers from carbon nanotubes and polynorbornene copolymers for flexible engineering of enzymatic bioelectrodes. <i>Carbon</i> , 2016 , 107, 542-547	10.4	19
79	Use of complementary nucleobase-containing synthetic polymers to prepare complex self-assembled morphologies in water. <i>Polymer Chemistry</i> , 2016 , 7, 2836-2846	4.9	19
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