Rachel O Reilly

List of Publications by Year in Descending Order

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	Hydrogen-Bond-Regulated Platelet Micelles by Crystallization-Driven Self-Assembly and Templated Growth for Poly(ε-Caprolactone) Block Copolymers. *Macromolecules*, **2022**, 55, 1067-1076	5.5	2
234	Instant Strong and Responsive Underwater Adhesion Manifested by Bioinspired Supramolecular Polymeric Adhesives. *Macromolecules*, **2022**, 55, 2003-2013	5.5	3
233	Log /SA Predicts the Thermoresponsive Behavior of P(DMA--RA) Statistical Copolymers.. *ACS Macro Letters*, **2022**, 11, 498-503	6.6	1
232	Effect of heterogeneous and homogeneous polymerisation on the structure of pNIPAm nanogels. *Polymer Chemistry*, **2021**, 12, 6854-6864	4.9	0
231	Precise control over supramolecular nanostructures manipulation of H-bonding in α-amphiphiles. *Nanoscale*, **2021**,	7.7	2
230	Spatially Restricted Templated Growth of Poly(ε-caprolactone) from Carbon Nanotubes by Crystallization-Driven Self-Assembly. *Macromolecules*, **2021**, 54, 2844-2851	5.5	8
229	Precise Tuning of Polymeric Fiber Dimensions to Enhance the Mechanical Properties of Alginate Hydrogel Matrices. *Polymers*, **2021**, 13,	4.5	3
228	Functional nanostructures by NiCCo-PISA of helical poly(aryl isocyanide) copolymers. *Polymer Chemistry*, **2021**, 12, 105-112	4.9	3
227	Synthesis and applications of anisotropic nanoparticles with precisely defined dimensions. *Nature Reviews Chemistry*, **2021**, 5, 21-45	34.6	53
226	Probing and Tuning the Permeability of Polymersomes. *ACS Central Science*, **2021**, 7, 30-38	16.8	17
225	Rigidochromism by imide functionalisation of an aminomaleimide fluorophore. *Chemical Science*, **2021**, 12, 10550-10557	9.4	4
224	DNA-polymer conjugates the graft-through polymerisation of native DNA in water. *Chemical Communications*, **2021**, 57, 5466-5469	5.8	2
223	Controlling the crystallinity and solubility of functional PCL with efficient post-polymerisation modification. *Polymer Chemistry*, **2021**, 12, 1983-1990	4.9	1
222	Recent Trends in Advanced Polymer Materials in Agriculture Related Applications. *ACS Applied Polymer Materials*, **2021**, 3, 1203-1217	4.3	29
221	Tuning the Cloud-Point and Flocculation Temperature of Poly(2-(diethylamino)ethyl methacrylate)-Based Nanoparticles via a Postpolymerization Betainization Approach. *ACS Polymers Au*, **2021**, 1, 47-58		1
220	Ultrafast spectroscopic investigation of discrete co-assemblies of a Zn-porphyrin-polymer conjugate with a hexapyridyl template. *Chemical Physics Letters*, **2021**, 777, 138736	2.5	
219	Polymers for Biomedical Applications: The Importance of Hydrophobicity in Directing Biological Interactions and Application Efficacy. *Biomacromolecules*, **2021**, 22, 4459-4469	6.9	7

218	100th Anniversary of Macromolecular Science Viewpoint: The Role of Hydrophobicity in Polymer Phenomena. *ACS Macro Letters*, **2020**, 9, 1700-1707	6.6	14
217	Manipulating the fluorescence lifetime at the sub-cellular scale via photo-switchable barcoding. *Nature Communications*, **2020**, 11, 2460	17.4	22
216	Antimicrobial Hyperbranched Polymer-Usnic Acid Complexes through a Combined ROP-RAFT Strategy. *Macromolecular Rapid Communications*, **2020**, 41, e2000190	4.8	12
215	Self-assembled nanostructures from amphiphilic block copolymers prepared via ring-opening metathesis polymerization (ROMP). *Progress in Polymer Science*, **2020**, 107, 101278	29.6	36
214	Exploiting the role of nanoparticle shape in enhancing hydrogel adhesive and mechanical properties. *Nature Communications*, **2020**, 11, 1420	17.4	69
213	Elastomeric polyamide biomaterials with stereochemically tuneable mechanical properties and shape memory. *Nature Communications*, **2020**, 11, 3250	17.4	26
212	Length Control of Biodegradable Fiber-Like Micelles via Tuning Solubility: A Self-Seeding Crystallization-Driven Self-Assembly of Poly(ε-caprolactone)-Containing Triblock Copolymers. *Macromolecules*, **2020**, 53, 1514-1521	5.5	18
211	Nickel-Catalyzed Coordination Polymerization-Induced Self-Assembly of Helical Poly(aryl isocyanide)s. *ACS Macro Letters*, **2020**, 9, 226-232	6.6	22
210	Size-controlled clustering of iron oxide nanoparticles within fluorescent nanogels using LCST-driven self-assembly. *Journal of Materials Chemistry B*, **2020**, 8, 5330-5335	7.3	6
209	It is Better with Salt: Aqueous Ring-Opening Metathesis Polymerization at Neutral pH. *Journal of the American Chemical Society*, **2020**, 142, 13878-13885	16.4	16
208	Complementary Nucleobase Interactions Drive the Hierarchical Self-Assembly of Core–Shell Bottlebrush Block Copolymers toward Cylindrical Supramolecules. *Macromolecules*, **2020**, 53, 9747-9757	5.5	7
207	Grafting Density Governs the Thermoresponsive Behavior of P(OEGMA--RMA) Statistical Copolymers. *ACS Macro Letters*, **2020**, 9, 1149-1154	6.6	10
206	The Importance of Cooperativity in Polymer Blending: Toward Controlling the Thermoresponsive Behavior of Blended Block Copolymer Micelles. *Macromolecular Rapid Communications*, **2020**, 41, e1900599	4.8	8
205	Insights into Active Targeting of Nanoparticles in Drug Delivery: Advances in Clinical Studies and Design Considerations for Cancer Nanomedicine. *Bioconjugate Chemistry*, **2019**, 30, 2300-2311	6.3	80
204	Microcalorimetry and fluorescence show stable peptide nucleic acid (PNA) duplexes in high organic content solvent mixtures. *Organic and Biomolecular Chemistry*, **2019**, 17, 7874-7877	3.9	1
203	A bifunctional triblock polynorbornene/carbon nanotube buckypaper bioelectrode for low-potential/high-current thionine-mediated glucose oxidation by FAD-GDH. *Journal of Materials Chemistry A*, **2019**, 7, 1447-1450	13	11
202	Getting into Shape: Reflections on a New Generation of Cylindrical Nanostructures' Self-Assembly Using Polymer Building Blocks. *Journal of the American Chemical Society*, **2019**, 141, 2742-2753	16.4	119
201	Tuning the membrane permeability of polymersome nanoreactors developed by aqueous emulsion polymerization-induced self-assembly. *Nanoscale*, **2019**, 11, 12643-12654	7.7	64

200	Catalytically Active N-Heterocyclic Carbene Release from Single-Chain Nanoparticles Following a Thermolysis-Driven Unfolding Strategy. *Macromolecular Rapid Communications*, **2019**, 40, e1900071	4.8	7
199	Glyco-Platelets with Controlled Morphologies via Crystallization-Driven Self-Assembly and Their Shape-Dependent Interplay with Macrophages. *ACS Macro Letters*, **2019**, 596-602	6.6	32
198	Self-catalysed folding of single chain nanoparticles (SCNPs) by NHC-mediated intramolecular benzoin condensation. *Polymer Chemistry*, **2019**, 10, 2282-2289	4.9	3
197	How to better control polymer chemistry. *Science*, **2019**, 363, 1394	33.3	5
196	Catalyst: Size Distribution in Self-Assembly Matters. *CheM*, **2019**, 5, 487-490	16.2	5
195	Predicting Monomers for Use in Aqueous Ring-Opening Metathesis Polymerization-Induced Self-Assembly. *ACS Macro Letters*, **2019**, 8, 466-472	6.6	34
194	Poly(Pentafluorophenyl Methacrylate)-Based Nano-Objects Developed by Photo-PISA as Scaffolds for Post-Polymerization Functionalization. *Macromolecular Rapid Communications*, **2019**, 40, e1800460	4.8	36
193	Synthesis of Monodisperse Cylindrical Nanoparticles via Crystallization-driven Self-assembly of Biodegradable Block Copolymers. *Journal of Visualized Experiments*, **2019**,	1.6	2
192	Ring-opening metathesis polymerization-induced self-assembly (ROMPISA). *Chemical Communications*, **2019**, 55, 9066-9071	5.8	40
191	Recent developments in entropy-driven ring-opening metathesis polymerization: Mechanistic considerations, unique functionality, and sequence control. *Journal of Polymer Science Part A*, **2019**, 57, 1621-1634	2.5	23
190	Supramolecular Fluorine Magnetic Resonance Spectroscopy Probe Polymer Based on Passerini Bifunctional Monomer. *ACS Macro Letters*, **2019**, 8, 1479-1483	6.6	9
189	Stretchable and Flexible Buckypaper-Based Lactate Biofuel Cell for Wearable Electronics. *Advanced Functional Materials*, **2019**, 29, 1905785	15.6	81
188	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. *Journal of the American Chemical Society*, **2019**, 141, 19088-19098	16.4	58
187	Anisotropic polymer nanoparticles with controlled dimensions from the morphological transformation of isotropic seeds. *Nature Communications*, **2019**, 10, 5406	17.4	18
186	Polymerization-Induced Polymersome Fusion. *Journal of the American Chemical Society*, **2019**, 141, 20234-20248	16.4	56
185	Size and shape affects the antimicrobial activity of quaternized nanoparticles. *Journal of Polymer Science Part A*, **2019**, 57, 255-259	2.5	20
184	Utilizing functionalized bromomaleimides for fluorogenic conjugation and PEGylation of enzymes. *Polymer International*, **2019**, 68, 1247-1254	3.3	4
183	Structural Determinants of the Stability of Enzyme-Responsive Polyion Complex Nanoparticles Targeting 's Elastase. *ChemNanoMat*, **2018**, 4, 807-814	3.5	6

182	Entrapment and Rigidification of Adenine by a Photo-Cross-Linked Thymine Network Leads to Fluorescent Polymer Nanoparticles. *Chemistry of Materials*, **2018**, 30, 1408-1416	9.6	20
181	Palladium-polymer nanoreactors for the aqueous asymmetric synthesis of therapeutic flavonoids. *Polymer Chemistry*, **2018**, 9, 820-823	4.9	12
180	Rational design of substituted maleimide dyes with tunable fluorescence and solvafluorochromism. *Chemical Communications*, **2018**, 54, 3339-3342	5.8	31
179	Photoinitiated Polymerization-Induced Self-Assembly in the Presence of Surfactants Enables Membrane Protein Incorporation into Vesicles. *Macromolecules*, **2018**, 51, 6190-6201	5.5	52
178	Facile synthesis of reversibly crosslinked poly(ionic liquid)-type gels: Recyclable supports for organocatalysis by N-heterocyclic carbenes. *European Polymer Journal*, **2018**, 107, 82-88	5.2	8
177	Ring-Opening Metathesis Polymerization in Aqueous Media Using a Macroinitiator Approach. *Angewandte Chemie*, **2018**, 130, 10832-10836	3.6	11
176	Exploiting topology-directed nanoparticle disassembly for triggered drug delivery. *Biomaterials*, **2018**, 180, 184-192	15.6	9
175	Controlling the Size of Two-Dimensional Polymer Platelets for Water-in-Water Emulsifiers. *ACS Central Science*, **2018**, 4, 63-70	16.8	58
174	Poly(sarcosine)-Based Nano-Objects with Multi-Protease Resistance by Aqueous Photoinitiated Polymerization-Induced Self-Assembly (Photo-PISA). *Biomacromolecules*, **2018**, 19, 4453-4462	6.9	27
173	Reversible ionically-crosslinked single chain nanoparticles as bioinspired and recyclable nanoreactors for N-heterocyclic carbene organocatalysis. *Polymer Chemistry*, **2018**, 9, 5286-5294	4.9	12
172	Predicting Monomers for Use in Polymerization-Induced Self-Assembly. *Angewandte Chemie - International Edition*, **2018**, 57, 15733-15737	16.4	56
171	Predicting Monomers for Use in Polymerization-Induced Self-Assembly. *Angewandte Chemie*, **2018**, 130, 15959-15963	3.6	10
170	Self-healing, stretchable and robust interpenetrating network hydrogels. *Biomaterials Science*, **2018** , 6, 2932-2937	7.4	20
169	Confinement of Therapeutic Enzymes in Selectively Permeable Polymer Vesicles by Polymerization-Induced Self-Assembly (PISA) Reduces Antibody Binding and Proteolytic Susceptibility. *ACS Central Science*, **2018**, 4, 718-723	16.8	128
168	Ring-Opening Metathesis Polymerization in Aqueous Media Using a Macroinitiator Approach. *Angewandte Chemie - International Edition*, **2018**, 57, 10672-10676	16.4	57
167	Polyelectrolyte pKa from experiment and molecular dynamics simulation. *RSC Advances*, **2017**, 7, 20007-20014	3.9	10
166	1D 2D shape selectivity in the crystallization-driven self-assembly of polylactide block copolymers. *Chemical Science*, **2017**, 8, 4223-4230	9.4	125
165	Reversibly Manipulating the Surface Chemistry of Polymeric Nanostructures via a "Grafting To" Approach Mediated by Nucleobase Interactions. *Macromolecules*, **2017**, 50, 3662-3670	5.5	18

164	Comparison of photo- and thermally initiated polymerization-induced self-assembly: a lack of end group fidelity drives the formation of higher order morphologies. *Polymer Chemistry*, **2017**, 8, 2860-2871	4.9	113
163	Dispersity effects in polymer self-assemblies: a matter of hierarchical control. *Chemical Society Reviews*, **2017**, 46, 4119-4134	58.5	92
162	Poly(oligo(ethylene glycol) vinyl acetate)s: A Versatile Class of Thermoresponsive and Biocompatible Polymers. *Angewandte Chemie*, **2017**, 129, 9306-9310	3.6	8
161	Poly(oligo(ethylene glycol) vinyl acetate)s: A Versatile Class of Thermoresponsive and Biocompatible Polymers. *Angewandte Chemie - International Edition*, **2017**, 56, 9178-9182	16.4	40
160	The hydrolytic behavior of N,N?-(dimethylamino)ethyl acrylate-functionalized polymeric stars. *Polymer Chemistry*, **2017**, 8, 5060-5070	4.9	11
159	Precision Epitaxy for Aqueous 1D and 2D Poly(ε-caprolactone) Assemblies. *Journal of the American Chemical Society*, **2017**, 139, 16980-16985	16.4	114
158	Permeable Protein-Loaded Polymersome Cascade Nanoreactors by Polymerization-Induced Self-Assembly. *ACS Macro Letters*, **2017**, 6, 1263-1267	6.6	136
157	The Evolution of DNA-Templated Synthesis as a Tool for Materials Discovery. *Accounts of Chemical Research*, **2017**, 50, 2496-2509	24.3	34
156	Dispersion of single-walled carbon nanotubes using nucleobase-containing poly(acrylamide) polymers. *Journal of Polymer Science Part A*, **2017**, 55, 2611-2617	2.5	6
155	Understanding the CDSA of poly(lactide) containing triblock copolymers. *Polymer Chemistry*, **2017**, 8, 5504-5512	4.9	31
154	First Step toward a Universal Fluorescent Probe: Unravelling the Photodynamics of an Amino-Maleimide Fluorophore. *Journal of Physical Chemistry A*, **2017**, 121, 6357-6365	2.8	13
153	The application of blocked isocyanate chemistry in the development of tunable thermoresponsive crosslinkers. *Polymer Chemistry*, **2017**, 8, 7229-7239	4.9	5
152	One-pot synthesis of micron-sized polybetaine particles; innovative use of supercritical carbon dioxide. *Polymer Chemistry*, **2017**, 8, 4557-4564	4.9	2
151	Probing the causes of thermal hysteresis using tunable micelles with linear and brush-like thermoresponsive coronas. *Polymer Chemistry*, **2017**, 8, 233-244	4.9	18
150	The direct synthesis of sulfobetaine-containing amphiphilic block copolymers and their self-assembly behavior. *European Polymer Journal*, **2017**, 87, 497-507	5.2	24
149	Scalable synthesis of multicolour conjugated polymer nanoparticles via Suzuki-Miyaura polymerisation in a miniemulsion and application in bioimaging. *Reactive and Functional Polymers*, **2016**, 107, 69-77	4.6	13
148	Blocked isocyanates: from analytical and experimental considerations to non-polyurethane applications. *Polymer Chemistry*, **2016**, 7, 7351-7364	4.9	46
147	Micellar nanoparticles with tuneable morphologies through interactions between nucleobase-containing synthetic polymers in aqueous solution. *Polymer Chemistry*, **2016**, 7, 4254-4262	4.9	23

146	Robust bifunctional buckypapers from carbon nanotubes and polynorbornene copolymers for flexible engineering of enzymatic bioelectrodes. *Carbon*, **2016**, 107, 542-547	10.4	19
145	Blending block copolymer micelles in solution; Obstacles of blending. *Polymer Chemistry*, **2016**, 7, 1577-1583	4.9	26
144	Block copolymers: controlling nanostructure to generate functional materials - synthesis, characterization, and engineering. *Chemical Science*, **2016**, 7, 1674-1689	9.4	115
143	Discussion on Aperiodic Copolymers *ACS Macro Letters*, **2016**, 5, 1-3	6.6	15
142	Retaining individualities: the photodynamics of self-ordering porphyrin assemblies. *Chemical Communications*, **2016**, 52, 1938-41	5.8	11
141	Cyclic Graft Copolymer Unimolecular Micelles: Effects of Cyclization on Particle Morphology and Thermoresponsive Behavior. *Macromolecules*, **2016**, 49, 2802-2813	5.5	50
140	Core functionalization of semi-crystalline polymeric cylindrical nanoparticles using photo-initiated thiol-ene radical reactions. *Polymer Chemistry*, **2016**, 7, 2337-2341	4.9	15
139	Fluorescent Block Copolymer Micelles That Can Self-Report on Their Assembly and Small Molecule Encapsulation. *Macromolecules*, **2016**, 49, 653-662	5.5	29
138	Degradable precision polynorbornenes via ring-opening metathesis polymerization. *Journal of Polymer Science Part A*, **2016**, 54, 1236-1242	2.5	20
137	Efficient DNA-Polymer Coupling in Organic Solvents: A Survey of Amide Coupling, Thiol-Ene and Tetrazine-Norbornene Chemistries Applied to Conjugation of Poly(N-Isopropylacrylamide). *Scientific Reports*, **2016**, 6, 39192	4.9	18
136	Use of complementary nucleobase-containing synthetic polymers to prepare complex self-assembled morphologies in water. *Polymer Chemistry*, **2016**, 7, 2836-2846	4.9	19
135	An autonomous molecular assembler for programmable chemical synthesis. *Nature Chemistry*, **2016**, 8, 542-8	17.6	103
134	CO2/pH-responsive particles with built-in fluorescence read-out. *Polymer Chemistry*, **2016**, 7, 5943-5948	4.9	19
133	Shape Effect of Glyco-Nanoparticles on Macrophage Cellular Uptake and Immune Response. *ACS Macro Letters*, **2016**, 5, 1059-1064	6.6	70
132	Fluorescent polymeric nanovehicles for neural stem cell modulation. *Nanoscale*, **2016**, 8, 17340-17349	7.7	16
131	Self-assembly of cyclic polymers. *Polymer Chemistry*, **2015**, 6, 2998-3008	4.9	92
130	Biofunctionalizable flexible bucky paper by combination of multi-walled carbon nanotubes and polynorbornene-pyrene Application to the bioelectrocatalytic reduction of oxygen. *Carbon*, **2015**, 93, 713-718	10.4	16
129	Complementary light scattering and synchrotron small-angle X-ray scattering studies of the micelle-to-unimer transition of polysulfobetaines. *Soft Matter*, **2015**, 11, 3666-76	3.6	22

128	Osmium Atoms and Os2 Molecules Move Faster on Selenium-Doped Compared to Sulfur-Doped Boronic Graphenic Surfaces. *Chemistry of Materials*, **2015**, 27, 5100-5	9.6	13
127	Self-Assembly of Temperature-Responsive Protein-Polymer Bioconjugates. *Bioconjugate Chemistry*, **2015**, 26, 1890-9	6.3	66
126	Aminomaleimide fluorophores: a simple functional group with bright, solvent dependent emission. *Chemical Communications*, **2015**, 51, 9733-6	5.8	52
125	Tuning the aggregation behavior of pH-responsive micelles by copolymerization. *Polymer Chemistry* , **2015**, 6, 2761-2768	4.9	29
124	Effect of Micellization on the Thermoresponsive Behavior of Polymeric Assemblies. *ACS Macro Letters*, **2015**, 4, 1210-1214	6.6	23
123	The Copolymer Blending Method: A New Approach for Targeted Assembly of Micellar Nanoparticles. *Macromolecules*, **2015**, 48, 6516-6522	5.5	34
122	Controlling the synthesis of degradable vinyl polymers by xanthate-mediated polymerization. *Polymer Chemistry*, **2015**, 6, 7447-7454	4.9	41
121	The effect of polymer nanostructure on diffusion of small molecules using tryptophan as a FRET probe. *European Polymer Journal*, **2015**, 62, 380-385	5.2	4
120	Exploiting nucleobase-containing materials from monomers to complex morphologies using RAFT dispersion polymerization. *Polymer Chemistry*, **2015**, 6, 106-117	4.9	69
119	One-pot synthesis of super-bright fluorescent nanogel contrast agents containing a dithiomaleimide fluorophore. *Materials Horizons*, **2015**, 2, 54-59	14.4	18
118	Strategies for preparing fluorescently labelled polymer nanoparticles. *Polymer International*, **2015**, 64, 174-182	3.3	56
117	Amphiphilic block copolymer self-assemblies of poly(NVP)-b-poly(MDO-co-vinyl esters): Tunable dimensions and functionalities. *Journal of Polymer Science Part A*, **2015**, 53, 2699-2710	2.5	12
116	Functional Degradable Polymers by Radical Ring-Opening Copolymerization of MDO and Vinyl Bromobutanoate: Synthesis, Degradability and Post-Polymerization Modification. *Biomacromolecules*, **2015**, 16, 2049-58	6.9	51
115	RAFT dispersion polymerization: a method to tune the morphology of thymine-containing self-assemblies. *Polymer Chemistry*, **2015**, 6, 4984-4992	4.9	48
114	Controlled assembly of artificial protein-protein complexes via DNA duplex formation. *Bioconjugate Chemistry*, **2015**, 26, 427-34	6.3	1
113	Graphene oxide single sheets as substrates for high resolution cryoTEM. *Soft Matter*, **2015**, 11, 1265-70	3.6	18
112	The analysis of solution self-assembled polymeric nanomaterials. *Chemical Society Reviews*, **2014**, 43, 2412-25	58.5	133
111	Fabrication of crystals from single metal atoms. *Nature Communications*, **2014**, 5, 3851	17.4	27

110	Precision polymers: a kinetic approach for functional poly(norbornenes). *Chemical Science*, **2014**, 5, 2246-2250	9.4	63
109	Recyclable l-Proline Functional Nanoreactors with Temperature-Tuned Activity Based on Core–Shell Nanogels. *ACS Macro Letters*, **2014**, 3, 1235-1239	6.6	25
108	One-pot synthesis of responsive sulfobetaine nanoparticles by RAFT polymerisation: the effect of branching on the UCST cloud point. *Polymer Chemistry*, **2014**, 5, 1023-1030	4.9	75
107	Glutathione-triggered disassembly of isothermally responsive polymer nanoparticles obtained by nanoprecipitation of hydrophilic polymers. *Polymer Chemistry*, **2014**, 5, 126-131	4.9	25
106	Studying the activity of the MacMillan catalyst embedded within hydrophobic cross-linked polymeric nanostructures. *Polymer Chemistry*, **2014**, 5, 3487-3494	4.9	14
105	Expanding the scope of the crystallization-driven self-assembly of polylactide-containing polymers. *Polymer Chemistry*, **2014**, 5, 1427-1436	4.9	63
104	Exploiting the tetrazine-norbornene reaction for single polymer chain collapse. *Nanoscale*, **2014**, 6, 4102-7	7.7	51
103	The pH induced vesicle to micelle morphology transition of a THP-protected polymer. *Journal of Polymer Science Part A*, **2014**, 52, 3026-3031	2.5	
102	Fluorescent and chemico-fluorescent responsive polymers from dithiomaleimide and dibromomaleimide functional monomers. *Chemical Science*, **2014**, 5, 2717	9.4	43
101	Precious metal carborane polymer nanoparticles: characterisation of micellar formulations and anticancer activity. *Faraday Discussions*, **2014**, 175, 229-40	3.6	30
100	Dual effect of thiol addition on fluorescent polymeric micelles: ON-to-OFF emissive switch and morphology transition. *Chemical Communications*, **2014**, 50, 11492-5	5.8	26
99	Functional Degradable Polymers by Xanthate-Mediated Polymerization. *Macromolecules*, **2014**, 47, 2847-2852	5.8	58
98	DNA-Templated Chemistries for Sequence Controlled Oligomer Synthesis. *ACS Symposium Series*, **2014**, 71-84	0.4	1
97	Structural reorganization of cylindrical nanoparticles triggered by polylactide stereocomplexation. *Nature Communications*, **2014**, 5, 5746	17.4	106
96	Construction of DNA-polymer hybrids using intercalation interactions. *Chemical Communications*, **2014**, 50, 1338-40	5.8	13
95	Hollow block copolymer nanoparticles through a spontaneous one-step structural reorganization. *ACS Nano*, **2013**, 7, 1120-8	16.7	30
94	Structural characterization of amphiphilic homopolymer micelles using light scattering, SANS, and cryo-TEM. *Macromolecules*, **2013**, 46, 6319-6325	5.5	29
93	Mutual binding of polymer end-groups by complementary π-stacking: a molecular "Roman Handshake". *Chemical Communications*, **2013**, 49, 454-6	5.8	29

92	A new approach to high resolution, high contrast electron microscopy of macromolecular block copolymer assemblies. *Soft Matter*, **2013**, 9, 3741	3.6	10
91	Poly(methyl methacrylate-block-vinyl-m-triphenylamine): synthesis by RAFT polymerization and melt-state self-assembly. *Soft Matter*, **2013**, 9, 10146	3.6	10
90	Advances in nanoreactor technology using polymeric nanostructures. *Current Opinion in Biotechnology*, **2013**, 24, 639-45	11.4	90
89	Chemically programmed self-sorting of gelator networks. *Nature Communications*, **2013**, 4, 1480	17.4	199
88	Tuning the catalytic activity of L-proline functionalized hydrophobic nanogel particles in water. *Chemical Science*, **2013**, 4, 965-969	9.4	58
87	Fluorescent nanoparticles from PEGylated polyfluorenes. *Polymer Chemistry*, **2013**, 4, 1333	4.9	10
86	Conjugation-induced fluorescent labeling of proteins and polymers using dithiomaleimides. *Journal of the American Chemical Society*, **2013**, 135, 2875-8	16.4	97
85	Thermoresponsive Polymer-Supported l-Proline Micelle Catalysts for the Direct Asymmetric Aldol Reaction in Water.. *ACS Macro Letters*, **2013**, 2, 327-331	6.6	108
84	To aggregate, or not to aggregate? considerations in the design and application of polymeric thermally-responsive nanoparticles. *Chemical Society Reviews*, **2013**, 42, 7204-13	58.5	150
83	Immobilization of MacMillan catalyst via controlled radical polymerization: catalytic activity and reuse. *Polymer Chemistry*, **2013**, 4, 2304	4.9	21
82	New functional handle for use as a self-reporting contrast and delivery agent in nanomedicine. *Journal of the American Chemical Society*, **2013**, 135, 9518-24	16.4	46
81	A comparative study of the stimuli-responsive properties of DMAEA and DMAEMA containing polymers. *Journal of Polymer Science Part A*, **2013**, 51, 3333-3338	2.5	72
80	Hybrid inorganic□organic composite nanoparticles from crosslinkable polyfluorenes. *Journal of Materials Chemistry C*, **2013**, 1, 3297	7.1	12
79	Catalytic Y-tailed amphiphilic homopolymers - aqueous nanoreactors for high activity, low loading SCS pincer catalysts. *Polymer Chemistry*, **2013**, 4, 2033-2039	4.9	34
78	Effect of Complementary Nucleobase Interactions on the Copolymer Composition of RAFT Copolymerizations.. *ACS Macro Letters*, **2013**, 2, 581-586	6.6	54
77	"Giant surfactants" created by the fast and efficient functionalization of a DNA tetrahedron with a temperature-responsive polymer. *ACS Nano*, **2013**, 7, 8561-72	16.7	79
76	Tuning the Size of Cylindrical Micelles from Poly(l-lactide)-b-poly(acrylic acid) Diblock Copolymers Based on Crystallization-Driven Self-Assembly. *Macromolecules*, **2013**, 46, 9074-9082	5.5	101
75	Advantages of Block Copolymer Synthesis by RAFT-Controlled Dispersion Polymerization in Supercritical Carbon Dioxide. *Macromolecules*, **2013**, 46, 6843-6851	5.5	70

74	Orthogonal Modification of Norbornene-Functional Degradable Polymers. *ACS Macro Letters*, **2012**, 1, 1285-1290	6.6	58
73	Aldol reactions catalyzed by L-proline functionalized polymeric nanoreactors in water. *Chemical Communications*, **2012**, 48, 9699-701	5.8	60
72	Dibromomaleimide End Functional Polymers by RAFT Polymerization Without the Need of Protecting Groups.. *ACS Macro Letters*, **2012**, 1, 222-226	6.6	43
71	Sequence-specific synthesis of macromolecules using DNA-templated chemistry. *Chemical Communications*, **2012**, 48, 5614-6	5.8	67
70	Degradable graft copolymers by ring-opening and reverse addition–fragmentation chain transfer polymerization. *Polymer Chemistry*, **2012**, 3, 2156	4.9	15
69	A simple approach to characterizing block copolymer assemblies: graphene oxide supports for high contrast multi-technique imaging. *Soft Matter*, **2012**, 8, 3322-3328	3.6	59
68	Nucleobase Containing Synthetic Polymers: Advancing Biomimicry via Controlled Synthesis and Self-Assembly. *Macromolecules*, **2012**, 45, 7665-7675	5.5	73
67	pH-switchable polymer nanostructures for controlled release. *Polymer Chemistry*, **2012**, 3, 3007	4.9	48
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