

# Steven Armes

## List of Publications by Year in descending order

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698  
papers

55,002  
citations

831

121  
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3688

186  
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710  
all docs

710  
docs citations

710  
times ranked

27297  
citing authors

#	ARTICLE	IF	CITATIONS
1	RAFT aqueous dispersion polymerization of 4-hydroxybutyl acrylate: effect of end-group ionization on the formation and colloidal stability of sterically-stabilized diblock copolymer nanoparticles. <i>Polymer Chemistry</i> , 2022, 13, 655-667.	1.9	5
2	Reversible Addition-Fragmentation Chain Transfer Aqueous Dispersion Polymerization of 4-Hydroxybutyl Acrylate Produces Highly Thermoresponsive Diblock Copolymer Nano-Objects. <i>Macromolecules</i> , 2022, 55, 788-798.	2.2	9
3	Polymer-organic Crystalline Nanocomposite Materials via Nanoparticle Occlusion. <i>Macromolecular Rapid Communications</i> , 2022, 43, e2100793.	2.0	11
4	Highly Stretchable Conductive Covalent Coacervate Gels for Electronic Skin. <i>Biomacromolecules</i> , 2022, 23, 1423-1432.	2.6	5
5	Sterically Stabilized Diblock Copolymer Nanoparticles Enable Convenient Preparation of Suspension Concentrates Comprising Various Agrochemical Actives. <i>Langmuir</i> , 2022, 38, 2885-2894.	1.6	10
6	Differential Ablation of Organic Coatings From Micrometeoroids Simulated in the Laboratory. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, .	1.5	5
7	Occlusion of Diblock Copolymer-Modified Gold Nanoparticles Generates Diabolo-Shaped Au@ZnO Nanocomposite Crystals with Enhanced Photocatalytic Properties. <i>Chemistry of Materials</i> , 2022, 34, 3357-3364.	3.2	7
8	Synthesis of Thermoresponsive Diblock Copolymer Nano-Objects via RAFT Aqueous Emulsion Polymerization of Hydroxybutyl Methacrylate. <i>Macromolecules</i> , 2022, 55, 3051-3062.	2.2	6
9	Tuning the Glass Transition Temperature of a Core-Forming Block during Polymerization-Induced Self-Assembly: Statistical Copolymerization of Lauryl Methacrylate with Methyl Methacrylate Provides Access to Spheres, Worms, and Vesicles. <i>Macromolecules</i> , 2022, 55, 4091-4101.	2.2	10
10	Aldehyde-functional thermoresponsive diblock copolymer worm gels exhibit strong mucoadhesion. <i>Chemical Science</i> , 2022, 13, 6888-6898.	3.7	12
11	Polymerization-induced self-assembly and disassembly during the synthesis of thermoresponsive ABC triblock copolymer nano-objects in aqueous solution. <i>Chemical Science</i> , 2022, 13, 7295-7303.	3.7	7
12	Synthesis and derivatization of epoxy-functional sterically-stabilized diblock copolymer spheres in non-polar media: does the spatial location of the epoxy groups matter?. <i>Polymer Chemistry</i> , 2022, 13, 3619-3630.	1.9	7
13	Long-Term Stability of Pickering Nanoemulsions Prepared Using Diblock Copolymer Nanoparticles: Effect of Nanoparticle Core Crosslinking, Oil Type, and the Role Played by Excess Copolymers. <i>Langmuir</i> , 2022, 38, 8021-8029.	1.6	6
14	Introduction to polymerisation-induced self assembly. <i>Polymer Chemistry</i> , 2021, 12, 8-11.	1.9	19
15	Aqueous one-pot synthesis of well-defined zwitterionic diblock copolymers by RAFT polymerization: an efficient and environmentally-friendly route to a useful dispersant for aqueous pigments. <i>Green Chemistry</i> , 2021, 23, 1248-1258.	4.6	15
16	RAFT aqueous emulsion polymerization of methyl methacrylate: observation of unexpected constraints when employing a non-ionic steric stabilizer block. <i>Polymer Chemistry</i> , 2021, 12, 5760-5769.	1.9	7
17	Control of Particle Size in the Self-Assembly of Amphiphilic Statistical Copolymers. <i>Macromolecules</i> , 2021, 54, 1425-1440.	2.2	13
18	RAFT dispersion polymerization of <i>N,N</i> -dimethylacrylamide in a series of <i>n</i> -alkanes using a thermoresponsive poly( <i>tert</i> -octyl acrylamide) steric stabilizer. <i>Polymer Chemistry</i> , 2021, 12, 2165-2174.	1.9	12

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19	Synthesis and Characterization of Polypyrrole-Coated Anthracene Microparticles: A New Synthetic Mimic for Polyaromatic Hydrocarbon-Based Cosmic Dust. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 3175-3185.	4.0	19
20	Rational synthesis of novel biocompatible thermoresponsive block copolymer worm gels. <i>Soft Matter</i> , 2021, 17, 5602-5612.	1.2	8
21	Time-Resolved Small-Angle X-ray Scattering Studies during Aqueous Emulsion Polymerization. <i>Journal of the American Chemical Society</i> , 2021, 143, 1474-1484.	6.6	30
22	Synthesis of well-defined diblock copolymer nano-objects by RAFT non-aqueous emulsion polymerization of <i>N</i> -(2-acryloyloxy)ethyl pyrrolidone in non-polar media. <i>Polymer Chemistry</i> , 2021, 12, 3762-3774.	1.9	14
23	Synthesis of polyampholytic diblock copolymers <i>via</i> RAFT aqueous solution polymerization. <i>Polymer Chemistry</i> , 2021, 12, 4846-4855.	1.9	9
24	Investigating the adsorption of anisotropic diblock copolymer worms onto planar silica and nanocellulose surfaces using a quartz crystal microbalance. <i>Polymer Chemistry</i> , 2021, 12, 6088-6100.	1.9	7
25	Shear-induced alignment of block copolymer worms in mineral oil. <i>Soft Matter</i> , 2021, 17, 8867-8876.	1.2	8
26	One-pot synthesis and aqueous solution properties of pH-responsive schizophrenic diblock copolymer nanoparticles prepared <i>via</i> RAFT aqueous dispersion polymerization. <i>Polymer Chemistry</i> , 2021, 12, 5842-5850.	1.9	5
27	New Aldehyde-Functional Methacrylic Water-Soluble Polymers. <i>Angewandte Chemie</i> , 2021, 133, 12139-12144.	1.6	1
28	New Aldehyde-Functional Methacrylic Water-Soluble Polymers. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 12032-12037.	7.2	9
29	Small-Angle X-Ray Scattering Studies of Block Copolymer Nano-Objects: Formation of Ordered Phases in Concentrated Solution During Polymerization-Induced Self-Assembly. <i>Angewandte Chemie</i> , 2021, 133, 13065-13073.	1.6	3
30	Small-Angle X-Ray Scattering Studies of Block Copolymer Nano-Objects: Formation of Ordered Phases in Concentrated Solution During Polymerization-Induced Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 12955-12963.	7.2	13
31	Block Copolymer Nanoparticles are Effective Dispersants for Micrometer-Sized Organic Crystalline Particles. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 30235-30243.	4.0	14
32	Synthesis and Aqueous Solution Properties of Shape-Shifting Stimulus-Responsive Diblock Copolymer Nano-Objects. <i>Chemistry of Materials</i> , 2021, 33, 7767-7779.	3.2	17
33	Tuning the vesicle-to-worm transition for thermoresponsive block copolymer vesicles prepared via polymerisation-induced self-assembly. <i>Polymer Chemistry</i> , 2021, 12, 1224-1235.	1.9	15
34	Synthesis of Highly Transparent Diblock Copolymer Vesicles via RAFT Dispersion Polymerization of 2,2,2-Trifluoroethyl Methacrylate in <i>n</i> -Alkanes. <i>Macromolecules</i> , 2021, 54, 1159-1169.	2.2	14
35	Synthesis of diblock copolymer spheres, worms and vesicles <i>via</i> RAFT aqueous emulsion polymerization of hydroxybutyl methacrylate. <i>Polymer Chemistry</i> , 2021, 12, 3629-3639.	1.9	24
36	Tuning the properties of hydrogen-bonded block copolymer worm gels prepared <i>via</i> polymerization-induced self-assembly. <i>Chemical Science</i> , 2021, 12, 12082-12091.	3.7	11

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37	Site-Directed Differentiation of Human Adipose-Derived Mesenchymal Stem Cells to Nucleus Pulposus Cells Using an Injectable Hydroxyl-Functional Diblock Copolymer Worm Gel. <i>Biomacromolecules</i> , 2021, 22, 837-845.	2.6	13
38	Shape-shifting thermoreversible diblock copolymer nano-objects <i>via</i> RAFT aqueous dispersion polymerization of 4-hydroxybutyl acrylate. <i>Chemical Science</i> , 2021, 12, 13719-13729.	3.7	17
39	<i>In situ</i> small-angle X-ray scattering studies during the formation of polymer/silica nanocomposite particles in aqueous solution. <i>Chemical Science</i> , 2021, 12, 14288-14300.	3.7	4
40	RAFT Dispersion Polymerization of Methyl Methacrylate in Mineral Oil: High Glass Transition Temperature of the Core-Forming Block Constrains the Evolution of Copolymer Morphology. <i>Macromolecules</i> , 2021, 54, 9496-9509.	2.2	22
41	Aldehyde-Functional Diblock Copolymer Nano-objects <i>via</i> RAFT Aqueous Dispersion Polymerization. <i>Biomacromolecules</i> , 2021, 22, 5382-5389.	2.6	8
42	Unique aqueous self-assembly behavior of a thermoresponsive diblock copolymer. <i>Chemical Science</i> , 2020, 11, 396-402.	3.7	64
43	Ptychographic X-ray tomography reveals additive zoning in nanocomposite single crystals. <i>Chemical Science</i> , 2020, 11, 355-363.	3.7	17
44	Probing the mechanism for hydrogel-based stasis induction in human pluripotent stem cells: is the chemical functionality of the hydrogel important?. <i>Chemical Science</i> , 2020, 11, 232-240.	3.7	25
45	How Do Charged End-Groups on the Steric Stabilizer Block Influence the Formation and Long-Term Stability of Pickering Nanoemulsions Prepared Using Sterically Stabilized Diblock Copolymer Nanoparticles?. <i>Langmuir</i> , 2020, 36, 769-780.	1.6	17
46	Tuning the hydroxyl functionality of block copolymer worm gels modulates their thermoresponsive behavior. <i>Polymer Chemistry</i> , 2020, 11, 5040-5050.	1.9	6
47	Exerting Spatial Control During Nanoparticle Occlusion within Calcite Crystals. <i>Angewandte Chemie</i> , 2020, 132, 18122-18129.	1.6	0
48	Rational synthesis of epoxy-functional spheres, worms and vesicles by RAFT aqueous emulsion polymerisation of glycidyl methacrylate. <i>Polymer Chemistry</i> , 2020, 11, 6343-6355.	1.9	25
49	Pickering Emulsifiers Based on Block Copolymer Nanoparticles Prepared by Polymerization-Induced Self-Assembly. <i>Langmuir</i> , 2020, 36, 15463-15484.	1.6	35
50	<i>In situ</i> SAXS studies of a prototypical RAFT aqueous dispersion polymerization formulation: monitoring the evolution in copolymer morphology during polymerization-induced self-assembly. <i>Chemical Science</i> , 2020, 11, 11443-11454.	3.7	57
51	Effect of Salt on the Formation and Stability of Water-in-Oil Pickering Nanoemulsions Stabilized by Diblock Copolymer Nanoparticles. <i>Langmuir</i> , 2020, 36, 15523-15535.	1.6	22
52	RAFT dispersion polymerization of benzyl methacrylate in non-polar media using hydrogenated polybutadiene as a steric stabilizer block. <i>Polymer Chemistry</i> , 2020, 11, 7533-7541.	1.9	17
53	Efficient Occlusion of Nanoparticles within Inorganic Single Crystals. <i>Accounts of Chemical Research</i> , 2020, 53, 1176-1186.	7.6	26
54	Exploring the Upper Size Limit for Sterically Stabilized Diblock Copolymer Nanoparticles Prepared by Polymerization-Induced Self-Assembly in Non-Polar Media. <i>Langmuir</i> , 2020, 36, 3730-3736.	1.6	21

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55	Synthesis of poly(stearyl methacrylate)-poly(2-hydroxypropyl methacrylate) diblock copolymer nanoparticles <i>via</i> RAFT dispersion polymerization of 2-hydroxypropyl methacrylate in mineral oil. <i>Polymer Chemistry</i> , 2020, 11, 4579-4590.	1.9	34
56	The extent of counterion dissociation at the interface of cationic diblock copolymer nanoparticles in non-polar solvents. <i>Journal of Colloid and Interface Science</i> , 2020, 577, 523-529.	5.0	2
57	Influence of an ionic comonomer on polymerization-induced self-assembly of diblock copolymers in non-polar media. <i>Polymer Chemistry</i> , 2020, 11, 2605-2614.	1.9	6
58	SAXS studies of the thermally-induced fusion of diblock copolymer spheres: formation of hybrid nanoparticles of intermediate size and shape. <i>Chemical Science</i> , 2020, 11, 4312-4321.	3.7	17
59	Time-resolved small-angle neutron scattering studies of the thermally-induced exchange of copolymer chains between spherical diblock copolymer nanoparticles prepared <i>via</i> polymerization-induced self-assembly. <i>Soft Matter</i> , 2020, 16, 3657-3668.	1.2	24
60	Synthesis of High $\chi$ -Low $N$ Diblock Copolymers by Polymerization-Induced Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10848-10853.	7.2	20
61	Enthalpic incompatibility between two steric stabilizer blocks provides control over the vesicle size distribution during polymerization-induced self-assembly in aqueous media. <i>Chemical Science</i> , 2020, 11, 10821-10834.	3.7	12
62	Exerting Spatial Control During Nanoparticle Occlusion within Calcite Crystals. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17966-17973.	7.2	13
63	Oil-in-oil pickering emulsions stabilized by diblock copolymer nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2020, 580, 354-364.	5.0	19
64	Aqueous solution behavior of stimulus-responsive poly(methacrylic acid)-poly(2-hydroxypropyl) Tj ETQq0 0 0 rgBT /Oylock 10 Tf 50 38	1.9	24
65	RAFT Dispersion Polymerization of Benzyl Methacrylate in Silicone Oil Using a Silicone-Based Methacrylic Stabilizer Provides Convenient Access to Spheres, Worms, and Vesicles. <i>Macromolecules</i> , 2020, 53, 1785-1794.	2.2	25
66	RAFT dispersion polymerisation of lauryl methacrylate in ethanol-water binary mixtures: synthesis of diblock copolymer vesicles with deformable membranes. <i>Polymer Chemistry</i> , 2020, 11, 1785-1796.	1.9	6
67	A worm gel-based 3D model to elucidate the paracrine interaction between multiple myeloma and mesenchymal stem cells. <i>Materials Today Bio</i> , 2020, 5, 100040.	2.6	14
68	Synthesis and Characterization of Waterborne Pyrrolidone-Functional Diblock Copolymer Nanoparticles Prepared via Surfactant-free RAFT Emulsion Polymerization. <i>Macromolecules</i> , 2020, 53, 1422-1434.	2.2	32
69	Epoxy-functional diblock copolymer spheres, worms and vesicles <i>via</i> polymerization-induced self-assembly in mineral oil. <i>Polymer Chemistry</i> , 2020, 11, 3332-3339.	1.9	18
70	Synthesis of High $\chi$ -Low $N$ Diblock Copolymers by Polymerization-Induced Self-Assembly. <i>Angewandte Chemie</i> , 2020, 132, 10940-10945.	1.6	6
71	Design principles for metamorphic block copolymer assemblies. <i>Soft Matter</i> , 2020, 16, 2342-2349.	1.2	3
72	Epoxy-Functional Sterically Stabilized Diblock Copolymer Nanoparticles via RAFT Aqueous Emulsion Polymerization: Comparison of Two Synthetic Strategies. <i>Macromolecular Rapid Communications</i> , 2019, 40, e1800289.	2.0	16

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73	Emerging Trends in Polymerization-Induced Self-Assembly. ACS Macro Letters, 2019, 8, 1029-1054.	2.3	423
74	Efficient occlusion of oil droplets within calcite crystals. Chemical Science, 2019, 10, 8964-8972.	3.7	18
75	In Situ Small-Angle X-ray Scattering Studies During Reversible Addition-Fragmentation Chain Transfer Aqueous Emulsion Polymerization. Journal of the American Chemical Society, 2019, 141, 13664-13675.	6.6	109
76	Self-curing super-stretchable polymer/microgel complex coacervate gels without covalent bond formation. Chemical Science, 2019, 10, 8832-8839.	3.7	15
77	Refractive index matched, nearly hard polymer colloids. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2019, 475, 20180763.	1.0	7
78	Block Copolymer Nanoparticles Prepared via Polymerization-Induced Self-Assembly Provide Excellent Boundary Lubrication Performance for Next-Generation Ultralow-Viscosity Automotive Engine Oils. ACS Applied Materials & Interfaces, 2019, 11, 33364-33369.	4.0	60
79	Cationic Sterically Stabilized Diblock Copolymer Nanoparticles Exhibit Exceptional Tolerance toward Added Salt. Langmuir, 2019, 35, 14348-14357.	1.6	12
80	A Single Thermoresponsive Diblock Copolymer Can Form Spheres, Worms or Vesicles in Aqueous Solution. Angewandte Chemie, 2019, 131, 19140-19146.	1.6	19
81	A Single Thermoresponsive Diblock Copolymer Can Form Spheres, Worms or Vesicles in Aqueous Solution. Angewandte Chemie - International Edition, 2019, 58, 18964-18970.	7.2	74
82	Effect of Core Cross-linking on the Physical Properties of Poly(dimethylsiloxane)-Based Diblock Copolymer Worms Prepared in Silicone Oil. Macromolecules, 2019, 52, 6849-6860.	2.2	24
83	Rationally designed anionic diblock copolymer worm gels are useful model systems for calcite occlusion studies. Polymer Chemistry, 2019, 10, 5131-5141.	1.9	9
84	Spin-echo small-angle neutron scattering (SESANS) studies of diblock copolymer nanoparticles. Soft Matter, 2019, 15, 17-21.	1.2	6
85	Aqueous one-pot synthesis of epoxy-functional diblock copolymer worms from a single monomer: new anisotropic scaffolds for potential charge storage applications. Polymer Chemistry, 2019, 10, 194-200.	1.9	35
86	Spatially Controlled Occlusion of Polymer-Stabilized Gold Nanoparticles within ZnO. Angewandte Chemie, 2019, 131, 4346-4351.	1.6	9
87	Model Anionic Block Copolymer Vesicles Provide Important Design Rules for Efficient Nanoparticle Occlusion within Calcite. Journal of the American Chemical Society, 2019, 141, 2557-2567.	6.6	63
88	What Dictates the Spatial Distribution of Nanoparticles within Calcite?. Journal of the American Chemical Society, 2019, 141, 2481-2489.	6.6	37
89	Spatially Controlled Occlusion of Polymer-Stabilized Gold Nanoparticles within ZnO. Angewandte Chemie - International Edition, 2019, 58, 4302-4307.	7.2	35
90	RAFT dispersion polymerization of glycidyl methacrylate for the synthesis of epoxy-functional block copolymer nanoparticles in mineral oil. Polymer Chemistry, 2019, 10, 603-611.	1.9	31

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91	How Many Phosphoric Acid Units Are Required to Ensure Uniform Occlusion of Sterically Stabilized Nanoparticles within Calcite?. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8692-8697.	7.2	27
92	How Many Phosphoric Acid Units Are Required to Ensure Uniform Occlusion of Sterically Stabilized Nanoparticles within Calcite?. <i>Angewandte Chemie</i> , 2019, 131, 8784-8789.	1.6	7
93	RAFT Dispersion Polymerization in Silicone Oil. <i>Macromolecules</i> , 2019, 52, 2822-2832.	2.2	41
94	Block copolymer microparticles comprising inverse bicontinuous phases prepared via polymerization-induced self-assembly. <i>Chemical Science</i> , 2019, 10, 4200-4208.	3.7	45
95	Targeting triple-negative breast cancer cells using Dengue virus-mimicking pH-responsive framboidal triblock copolymer vesicles. <i>Chemical Science</i> , 2019, 10, 4811-4821.	3.7	36
96	Thermoreversible Block Copolymer Worm Gels Using Binary Mixtures of PEG Stabilizer Blocks. <i>Macromolecules</i> , 2019, 52, 1653-1662.	2.2	55
97	End-group ionisation enables the use of poly( <i>N</i> -(2-methacryloyloxy)ethyl pyrrolidone) as an electrosteric stabiliser block for polymerisation-induced self-assembly in aqueous media. <i>Polymer Chemistry</i> , 2019, 10, 1312-1323.	1.9	24
98	Hydroxyl-rich macromolecules enable the bio-inspired synthesis of single crystal nanocomposites. <i>Nature Communications</i> , 2019, 10, 5682.	5.8	43
99	Synthesis, Characterization, and Pickering Emulsifier Performance of Anisotropic Cross-Linked Block Copolymer Worms: Effect of Aspect Ratio on Emulsion Stability in the Presence of Surfactant. <i>Langmuir</i> , 2019, 35, 254-265.	1.6	31
100	Highly deformable hydrogels constructed by pH-triggered polyacid nanoparticle disassembly in aqueous dispersions. <i>Soft Matter</i> , 2018, 14, 3510-3520.	1.2	5
101	Synthesis of High Molecular Weight Poly(glycerol monomethacrylate) via RAFT Emulsion Polymerization of Isopropylidenglycerol Methacrylate. <i>Macromolecules</i> , 2018, 51, 3221-3232.	2.2	28
102	Self-Assembly of Amphiphilic Statistical Copolymers and Their Aqueous Rheological Properties. <i>Macromolecules</i> , 2018, 51, 1474-1487.	2.2	21
103	Probing the local lipid environment of the cytochrome bc <sub>1</sub> and <i>Synechocystis</i> sp. PCC 6803 cytochrome b <sub>6</sub> f complexes with styrene maleic acid. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018, 1859, 215-225.	0.5	29
104	Fabrication of microstructured binary polymer brush with integral pH sensing for studies of proton transport in model membrane systems. <i>Chemical Science</i> , 2018, 9, 2238-2251.	3.7	26
105	Effect of morphology on interactions between nanoparticle-stabilised air bubbles and oil droplets. <i>Soft Matter</i> , 2018, 14, 3246-3253.	1.2	4
106	Thermoreversible crystallization-driven aggregation of diblock copolymer nanoparticles in mineral oil. <i>Chemical Science</i> , 2018, 9, 4071-4082.	3.7	20
107	Synthesis and pH-responsive dissociation of framboidal ABC triblock copolymer vesicles in aqueous solution. <i>Chemical Science</i> , 2018, 9, 1454-1463.	3.7	42
108	Synthesis and electrokinetics of cationic spherical nanoparticles in salt-free non-polar media. <i>Chemical Science</i> , 2018, 9, 922-934.	3.7	16

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109	Synthesis of Well-Defined Pyrrolidone-Based Homopolymers and Stimulus-Responsive Diblock Copolymers via RAFT Aqueous Solution Polymerization of 2-( <i>N</i> -Acryloyloxy)ethylpyrrolidone. <i>Macromolecules</i> , 2018, 51, 7756-7766.	2.2	23
110	In Situ Spectroscopic Studies of Highly Transparent Nanoparticle Dispersions Enable Assessment of Trithiocarbonate Chain-End Fidelity during RAFT Dispersion Polymerization in Nonpolar Media. <i>Journal of the American Chemical Society</i> , 2018, 140, 12980-12988.	6.6	47
111	Critical Dependence of Molecular Weight on Thermoresponsive Behavior of Diblock Copolymer Worm Gels in Aqueous Solution. <i>Macromolecules</i> , 2018, 51, 8357-8371.	2.2	65
112	Influence of the Structure of Block Copolymer Nanoparticles on the Growth of Calcium Carbonate. <i>Chemistry of Materials</i> , 2018, 30, 7091-7099.	3.2	22
113	Anionic block copolymer vesicles act as Trojan horses to enable efficient occlusion of guest species into host calcite crystals. <i>Chemical Science</i> , 2018, 9, 8396-8401.	3.7	37
114	Long-Term Stability of <i>n</i> -Alkane-in-Water Pickering Nanoemulsions: Effect of Aqueous Solubility of Droplet Phase on Ostwald Ripening. <i>Langmuir</i> , 2018, 34, 9289-9297.	1.6	55
115	pH-Responsive diblock copolymers with two different fluorescent labels for simultaneous monitoring of micellar self-assembly and degree of protonation. <i>Polymer Chemistry</i> , 2018, 9, 2964-2976.	1.9	13
116	Blob Size Controls Diffusion of Free Polymer in a Chemically Identical Brush in Semidilute Solution. <i>Macromolecules</i> , 2018, 51, 6312-6317.	2.2	5
117	Polymers at the Interface with Biology. <i>Biomacromolecules</i> , 2018, 19, 3151-3162.	2.6	10
118	Can percolation theory explain the gelation behavior of diblock copolymer worms?. <i>Chemical Science</i> , 2018, 9, 7138-7144.	3.7	66
119	Optimization of the high-throughput synthesis of multiblock copolymer nanoparticles in aqueous media via polymerization-induced self-assembly. <i>Reaction Chemistry and Engineering</i> , 2018, 3, 645-657.	1.9	36
120	Mechanistic Insights into Diblock Copolymer Nanoparticle-Crystal Interactions Revealed via <i>In Situ</i> Atomic Force Microscopy. <i>Journal of the American Chemical Society</i> , 2018, 140, 7936-7945.	6.6	40
121	A Vesicle-to-Worm Transition Provides a New High-Temperature Oil Thickening Mechanism. <i>Angewandte Chemie</i> , 2017, 129, 1772-1776.	1.6	29
122	A Vesicle-to-Worm Transition Provides a New High-Temperature Oil Thickening Mechanism. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1746-1750.	7.2	87
123	Nanotribological Investigation of Polymer Brushes with Lithographically Defined and Systematically Varying Grafting Densities. <i>Langmuir</i> , 2017, 33, 706-713.	1.6	6
124	Adsorption of Small Cationic Nanoparticles onto Large Anionic Particles from Aqueous Solution: A Model System for Understanding Pigment Dispersion and the Problem of Effective Particle Density. <i>Langmuir</i> , 2017, 33, 1275-1284.	1.6	16
125	Effect of Monomer Solubility on the Evolution of Copolymer Morphology during Polymerization-Induced Self-Assembly in Aqueous Solution. <i>Macromolecules</i> , 2017, 50, 796-802.	2.2	71
126	Synthesis of polyacid nanogels: pH-responsive sub-100 nm particles for functionalisation and fluorescent hydrogel assembly. <i>Soft Matter</i> , 2017, 13, 1554-1560.	1.2	15



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127	Anisotropic pH-Responsive Hydrogels Containing Soft or Hard Rod-Like Particles Assembled Using Low Shear. <i>Chemistry of Materials</i> , 2017, 29, 3100-3110.	3.2	29
128	Nanotribological properties of nanostructured poly(cysteine methacrylate) brushes. <i>Soft Matter</i> , 2017, 13, 2075-2084.	1.2	9
129	Preparation and Cross-Linking of All-Acrylamide Diblock Copolymer Nano-Objects via Polymerization-Induced Self-Assembly in Aqueous Solution. <i>Macromolecules</i> , 2017, 50, 1482-1493.	2.2	131
130	Micrometre and nanometre scale patterning of binary polymer brushes, supported lipid bilayers and proteins. <i>Chemical Science</i> , 2017, 8, 4517-4526.	3.7	20
131	Using Dynamic Covalent Chemistry To Drive Morphological Transitions: Controlled Release of Encapsulated Nanoparticles from Block Copolymer Vesicles. <i>Journal of the American Chemical Society</i> , 2017, 139, 7616-7623.	6.6	144
132	Time-Resolved SAXS Studies of the Kinetics of Thermally Triggered Release of Encapsulated Silica Nanoparticles from Block Copolymer Vesicles. <i>Macromolecules</i> , 2017, 50, 4465-4473.	2.2	30
133	H <sub>2</sub> O <sub>2</sub> Enables Convenient Removal of RAFT End-Groups from Block Copolymer Nano-Objects Prepared via Polymerization-Induced Self-Assembly in Water. <i>Macromolecules</i> , 2017, 50, 182-191.	2.2	61
134	Bespoke Diblock Copolymer Nanoparticles Enable the Production of Relatively Stable Oil-in-Water Pickering Nanoemulsions. <i>Langmuir</i> , 2017, 33, 12616-12623.	1.6	46
135	Cross-Linking Highly Lubricious Phosphocholinated Polymer Brushes: Effect on Surface Interactions and Frictional Behavior. <i>Macromolecules</i> , 2017, 50, 7361-7371.	2.2	39
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