Steven Armes

List of Publications by Year in Descending Order

692 papers	48,364 citations	115 h-index	176 g-index
710 ext. papers	51,524 ext. citations	6.7 avg, IF	7.9 L-index

#	Paper	IF	Citations
692	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. *Polymer Chemistry*, **2022**, 13, 655-667	4.9	1
691	Reversible Addition-Fragmentation Chain Transfer Aqueous Dispersion Polymerization of 4-Hydroxybutyl Acrylate Produces Highly Thermoresponsive Diblock Copolymer Nano-Objects.. *Macromolecules*, **2022**, 55, 788-798	5.5	3
690	Polymer-Inorganic Crystalline Nanocomposite Materials via Nanoparticle Occlusion.. *Macromolecular Rapid Communications*, **2022**, e2100793	4.8	1
689	Sterically Stabilized Diblock Copolymer Nanoparticles Enable Convenient Preparation of Suspension Concentrates Comprising Various Agrochemical Actives.. *Langmuir*, **2022**, 38, 2885-2894	4	1
688	Synthesis of Thermoresponsive Diblock Copolymer Nano-Objects via RAFT Aqueous Emulsion Polymerization of Hydroxybutyl Methacrylate.. *Macromolecules*, **2022**, 55, 3051-3062	5.5	3
687	Shape-shifting thermoreversible diblock copolymer nano-objects RAFT aqueous dispersion polymerization of 4-hydroxybutyl acrylate. *Chemical Science*, **2021**, 12, 13719-13729	9.4	5
686	small-angle X-ray scattering studies during the formation of polymer/silica nanocomposite particles in aqueous solution. *Chemical Science*, **2021**, 12, 14288-14300	9.4	0
685	RAFT Dispersion Polymerization of Methyl Methacrylate in Mineral Oil: High Glass Transition Temperature of the Core-Forming Block Constrains the Evolution of Copolymer Morphology. *Macromolecules*, **2021**, 54, 9496-9509	5.5	0
684	New Aldehyde-Functional Methacrylic Water-Soluble Polymers. *Angewandte Chemie*, **2021**, 133, 12139-12144	3.6	
683	New Aldehyde-Functional Methacrylic Water-Soluble Polymers. *Angewandte Chemie - International Edition*, **2021**, 60, 12032-12037	16.4	2
682	Small-Angle X-Ray Scattering Studies of Block Copolymer Nano-Objects: Formation of Ordered Phases in Concentrated Solution During Polymerization-Induced Self-Assembly. *Angewandte Chemie*, **2021**, 133, 13065-13073	3.6	0
681	Small-Angle X-Ray Scattering Studies of Block Copolymer Nano-Objects: Formation of Ordered Phases in Concentrated Solution During Polymerization-Induced Self-Assembly. *Angewandte Chemie - International Edition*, **2021**, 60, 12955-12963	16.4	6
680	Block Copolymer Nanoparticles are Effective Dispersants for Micrometer-Sized Organic Crystalline Particles. *ACS Applied Materials & Interfaces*, **2021**, 13, 30235-30243	9.5	4
679	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. *Green Chemistry*, **2021**, 23, 1248-1258	10	6
678	Control of Particle Size in the Self-Assembly of Amphiphilic Statistical Copolymers. *Macromolecules*, **2021**, 54, 1425-1440	5.5	3
677	RAFT dispersion polymerization of N,N-dimethylacrylamide in a series of n-alkanes using a thermoresponsive poly(tert-octyl acrylamide) steric stabilizer. *Polymer Chemistry*, **2021**, 12, 2165-2174	4.9	0
676	Synthesis and Characterization of Polypyrrole-Coated Anthracene Microparticles: A New Synthetic Mimic for Polyaromatic Hydrocarbon-Based Cosmic Dust. *ACS Applied Materials & Interfaces*, **2021**, 13, 3175-3185	9.5	10

675	Rational synthesis of novel biocompatible thermoresponsive block copolymer worm gels. *Soft Matter*, **2021**, 17, 5602-5612	3.6	2
674	Time-Resolved Small-Angle X-ray Scattering Studies during Aqueous Emulsion Polymerization. *Journal of the American Chemical Society*, **2021**, 143, 1474-1484	16.4	13
673	Synthesis of well-defined diblock copolymer nano-objects by RAFT non-aqueous emulsion polymerization of N-(2-acryloyloxy)ethyl pyrrolidone in non-polar media. *Polymer Chemistry*, **2021**, 12, 3762-3774	4.9	2
672	Synthesis of polyampholytic diblock copolymers via RAFT aqueous solution polymerization. *Polymer Chemistry*, **2021**, 12, 4846-4855	4.9	3
671	Shear-induced alignment of block copolymer worms in mineral oil. *Soft Matter*, **2021**, 17, 8867-8876	3.6	1
670	Tuning the vesicle-to-worm transition for thermoresponsive block copolymer vesicles prepared via polymerisation-induced self-assembly. *Polymer Chemistry*, **2021**, 12, 1224-1235	4.9	6
669	Synthesis of Highly Transparent Diblock Copolymer Vesicles via RAFT Dispersion Polymerization of 2,2,2-Trifluoroethyl Methacrylate in -Alkanes. *Macromolecules*, **2021**, 54, 1159-1169	5.5	4
668	Synthesis of diblock copolymer spheres, worms and vesicles via RAFT aqueous emulsion polymerization of hydroxybutyl methacrylate. *Polymer Chemistry*, **2021**, 12, 3629-3639	4.9	8
667	Tuning the properties of hydrogen-bonded block copolymer worm gels prepared polymerization-induced self-assembly. *Chemical Science*, **2021**, 12, 12082-12091	9.4	1
666	Site-Directed Differentiation of Human Adipose-Derived Mesenchymal Stem Cells to Nucleus Pulposus Cells Using an Injectable Hydroxyl-Functional Diblock Copolymer Worm Gel. *Biomacromolecules*, **2021**, 22, 837-845	6.9	5
665	Effect of Salt on the Formation and Stability of Water-in-Oil Pickering Nanoemulsions Stabilized by Diblock Copolymer Nanoparticles. *Langmuir*, **2020**, 36, 15523-15535	4	6
664	RAFT dispersion polymerization of benzyl methacrylate in non-polar media using hydrogenated polybutadiene as a steric stabilizer block. *Polymer Chemistry*, **2020**, 11, 7533-7541	4.9	7
663	Efficient Occlusion of Nanoparticles within Inorganic Single Crystals. *Accounts of Chemical Research*, **2020**, 53, 1176-1186	24.3	14
662	Exploring the Upper Size Limit for Sterically Stabilized Diblock Copolymer Nanoparticles Prepared by Polymerization-Induced Self-Assembly in Non-Polar Media. *Langmuir*, **2020**, 36, 3730-3736	4	10
661	Synthesis of poly(stearyl methacrylate)-poly(2-hydroxypropyl methacrylate) diblock copolymer nanoparticles via RAFT dispersion polymerization of 2-hydroxypropyl methacrylate in mineral oil. *Polymer Chemistry*, **2020**, 11, 4579-4590	4.9	12
660	The extent of counterion dissociation at the interface of cationic diblock copolymer nanoparticles in non-polar solvents. *Journal of Colloid and Interface Science*, **2020**, 577, 523-529	9.3	2
659	Influence of an ionic comonomer on polymerization-induced self-assembly of diblock copolymers in non-polar media. *Polymer Chemistry*, **2020**, 11, 2605-2614	4.9	3
658	SAXS studies of the thermally-induced fusion of diblock copolymer spheres: formation of hybrid nanoparticles of intermediate size and shape. *Chemical Science*, **2020**, 11, 4312-4321	9.4	7

657	Time-resolved small-angle neutron scattering studies of the thermally-induced exchange of copolymer chains between spherical diblock copolymer nanoparticles prepared via polymerization-induced self-assembly. *Soft Matter*, **2020**, 16, 3657-3668	3.6	10
656	Synthesis of High □Low N Diblock Copolymers by Polymerization-Induced Self-Assembly. *Angewandte Chemie - International Edition*, **2020**, 59, 10848-10853	16.4	11
655	Enthalpic incompatibility between two steric stabilizer blocks provides control over the vesicle size distribution during polymerization-induced self-assembly in aqueous media. *Chemical Science*, **2020**, 11, 10821-10834	9.4	4
654	Exerting Spatial Control During Nanoparticle Occlusion within Calcite Crystals. *Angewandte Chemie - International Edition*, **2020**, 59, 17966-17973	16.4	4
653	Oil-in-oil pickering emulsions stabilized by diblock copolymer nanoparticles. *Journal of Colloid and Interface Science*, **2020**, 580, 354-364	9.3	7
652	Aqueous solution behavior of stimulus-responsive poly(methacrylic acid)-poly(2-hydroxypropyl methacrylate) diblock copolymer nanoparticles. *Polymer Chemistry*, **2020**, 11, 2147-2156	4.9	16
651	RAFT Dispersion Polymerization of Benzyl Methacrylate in Silicone Oil Using a Silicone-Based Methacrylic Stabilizer Provides Convenient Access to Spheres, Worms, and Vesicles. *Macromolecules*, **2020**, 53, 1785-1794	5.5	15
650	RAFT dispersion polymerisation of lauryl methacrylate in ethanol□water binary mixtures: synthesis of diblock copolymer vesicles with deformable membranes. *Polymer Chemistry*, **2020**, 11, 1785-1796	4.9	4
649	A worm gel-based 3D model to elucidate the paracrine interaction between multiple myeloma and mesenchymal stem cells. *Materials Today Bio*, **2020**, 5, 100040	9.9	7
648	Synthesis and Characterization of Waterborne Pyrrolidone-Functional Diblock Copolymer Nanoparticles Prepared via Surfactant-free RAFT Emulsion Polymerization. *Macromolecules*, **2020**, 53, 1422-1434	5.5	23
647	Epoxy-functional diblock copolymer spheres, worms and vesicles via polymerization-induced self-assembly in mineral oil. *Polymer Chemistry*, **2020**, 11, 3332-3339	4.9	6
646	Design principles for metamorphic block copolymer assemblies. *Soft Matter*, **2020**, 16, 2342-2349	3.6	3
645	Unique aqueous self-assembly behavior of a thermoresponsive diblock copolymer. *Chemical Science* , **2020**, 11, 396-402	9.4	37
644	Ptychographic X-ray tomography reveals additive zoning in nanocomposite single crystals. *Chemical Science*, **2020**, 11, 355-363	9.4	9
643	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?. *Langmuir*, **2020**, 36, 769-780	4	10
642	Tuning the hydroxyl functionality of block copolymer worm gels modulates their thermoresponsive behavior. *Polymer Chemistry*, **2020**, 11, 5040-5050	4.9	4
641	Exerting Spatial Control During Nanoparticle Occlusion within Calcite Crystals. *Angewandte Chemie*, **2020**, 132, 18122-18129	3.6	
640	Rational synthesis of epoxy-functional spheres, worms and vesicles by RAFT aqueous emulsion polymerisation of glycidyl methacrylate. *Polymer Chemistry*, **2020**, 11, 6343-6355	4.9	12

639	Pickering Emulsifiers Based on Block Copolymer Nanoparticles Prepared by Polymerization-Induced Self-Assembly. *Langmuir*, **2020**, 36, 15463-15484	4	13
638	SAXS studies of a prototypical RAFT aqueous dispersion polymerization formulation: monitoring the evolution in copolymer morphology during polymerization-induced self-assembly. *Chemical Science*, **2020**, 11, 11443-11454	9.4	26
637	Synthesis of High Flow N Diblock Copolymers by Polymerization-Induced Self-Assembly. *Angewandte Chemie*, **2020**, 132, 10940-10945	3.6	5
636	A Single Thermoresponsive Diblock Copolymer Can Form Spheres, Worms or Vesicles in Aqueous Solution. *Angewandte Chemie - International Edition*, **2019**, 58, 18964-18970	16.4	48
635	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	5.5	8
634	Rationally designed anionic diblock copolymer worm gels are useful model systems for calcite occlusion studies. *Polymer Chemistry*, **2019**, 10, 5131-5141	4.9	6
633	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	4.9	26
632	Spatially Controlled Occlusion of Polymer-Stabilized Gold Nanoparticles within ZnO. *Angewandte Chemie*, **2019**, 131, 4346-4351	3.6	8
631	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	16.4	42
630	What Dictates the Spatial Distribution of Nanoparticles within Calcite?. *Journal of the American Chemical Society*, **2019**, 141, 2481-2489	16.4	22
629	Spatially Controlled Occlusion of Polymer-Stabilized Gold Nanoparticles within ZnO. *Angewandte Chemie - International Edition*, **2019**, 58, 4302-4307	16.4	20
628	RAFT dispersion polymerization of glycidyl methacrylate for the synthesis of epoxy-functional block copolymer nanoparticles in mineral oil. *Polymer Chemistry*, **2019**, 10, 603-611	4.9	15
627	How Many Phosphoric Acid Units Are Required to Ensure Uniform Occlusion of Sterically Stabilized Nanoparticles within Calcite?. *Angewandte Chemie - International Edition*, **2019**, 58, 8692-8697	16.4	16
626	How Many Phosphoric Acid Units Are Required to Ensure Uniform Occlusion of Sterically Stabilized Nanoparticles within Calcite?. *Angewandte Chemie*, **2019**, 131, 8784-8789	3.6	6
625	RAFT Dispersion Polymerization in Silicone Oil. *Macromolecules*, **2019**, 52, 2822-2832	5.5	27
624	Block copolymer microparticles comprising inverse bicontinuous phases prepared polymerization-induced self-assembly. *Chemical Science*, **2019**, 10, 4200-4208	9.4	29
623	Targeting triple-negative breast cancer cells using Dengue virus-mimicking pH-responsive framboidal triblock copolymer vesicles. *Chemical Science*, **2019**, 10, 4811-4821	9.4	20
622	Thermoreversible Block Copolymer Worm Gels Using Binary Mixtures of PEG Stabilizer Blocks. *Macromolecules*, **2019**, 52, 1653-1662	5.5	36

621	End-group ionisation enables the use of poly(N-(2-methacryloyloxy)ethyl pyrrolidone) as an electrosteric stabiliser block for polymerisation-induced self-assembly in aqueous media. *Polymer Chemistry*, **2019**, 10, 1312-1323	4.9	19
620	Epoxy-Functional Sterically Stabilized Diblock Copolymer Nanoparticles via RAFT Aqueous Emulsion Polymerization: Comparison of Two Synthetic Strategies. *Macromolecular Rapid Communications*, **2019**, 40, e1800289	4.8	8
619	Emerging Trends in Polymerization-Induced Self-Assembly. *ACS Macro Letters*, **2019**, 8, 1029-1054	6.6	237
618	Efficient occlusion of oil droplets within calcite crystals. *Chemical Science*, **2019**, 10, 8964-8972	9.4	10
617	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	16.4	57
616	Self-curing super-stretchable polymer/microgel complex coacervate gels without covalent bond formation. *Chemical Science*, **2019**, 10, 8832-8839	9.4	11
615	Refractive index matched, nearly hard polymer colloids. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, **2019**, 475, 20180763	2.4	6
614	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	9.5	34
613	Cationic Sterically Stabilized Diblock Copolymer Nanoparticles Exhibit Exceptional Tolerance toward Added Salt. *Langmuir*, **2019**, 35, 14348-14357	4	8
612	A Single Thermoresponsive Diblock Copolymer Can Form Spheres, Worms or Vesicles in Aqueous Solution. *Angewandte Chemie*, **2019**, 131, 19140-19146	3.6	11
611	Probing the mechanism for hydrogel-based stasis induction in human pluripotent stem cells: is the chemical functionality of the hydrogel important?. *Chemical Science*, **2019**, 11, 232-240	9.4	19
610	Hydroxyl-rich macromolecules enable the bio-inspired synthesis of single crystal nanocomposites. *Nature Communications*, **2019**, 10, 5682	17.4	21
609	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. *Langmuir*, **2019**, 35, 254-265	4	17
608	Spin-echo small-angle neutron scattering (SESANS) studies of diblock copolymer nanoparticles. *Soft Matter*, **2018**, 15, 17-21	3.6	3
607	Highly deformable hydrogels constructed by pH-triggered polyacid nanoparticle disassembly in aqueous dispersions. *Soft Matter*, **2018**, 14, 3510-3520	3.6	5
606	Synthesis of High Molecular Weight Poly(glycerol monomethacrylate) via RAFT Emulsion Polymerization of Isopropylideneglycerol Methacrylate. *Macromolecules*, **2018**, 51, 3221-3232	5.5	21
605	Self-Assembly of Amphiphilic Statistical Copolymers and Their Aqueous Rheological Properties. *Macromolecules*, **2018**, 51, 1474-1487	5.5	15
604	Probing the local lipid environment of the Rhodobacter sphaeroides cytochrome bc and Synechocystis sp. PCC 6803 cytochrome bf complexes with styrene maleic acid. *Biochimica Et Biophysica Acta - Bioenergetics*, **2018**, 1859, 215-225	4.6	21

603	Fabrication of microstructured binary polymer brush "corrals" with integral pH sensing for studies of proton transport in model membrane systems. *Chemical Science*, **2018**, 9, 2238-2251	9.4	14
602	Effect of morphology on interactions between nanoparticle-stabilised air bubbles and oil droplets. *Soft Matter*, **2018**, 14, 3246-3253	3.6	2
601	Thermoreversible crystallization-driven aggregation of diblock copolymer nanoparticles in mineral oil. *Chemical Science*, **2018**, 9, 4071-4082	9.4	16
600	Long-Term Stability of n-Alkane-in-Water Pickering Nanoemulsions: Effect of Aqueous Solubility of Droplet Phase on Ostwald Ripening. *Langmuir*, **2018**, 34, 9289-9297	4	38
599	pH-Responsive diblock copolymers with two different fluorescent labels for simultaneous monitoring of micellar self-assembly and degree of protonation. *Polymer Chemistry*, **2018**, 9, 2964-2976	4.9	10
598	Blob Size Controls Diffusion of Free Polymer in a Chemically Identical Brush in Semidilute Solution. *Macromolecules*, **2018**, 51, 6312-6317	5.5	4
597	Can percolation theory explain the gelation behavior of diblock copolymer worms?. *Chemical Science*, **2018**, 9, 7138-7144	9.4	47
596	Optimization of the high-throughput synthesis of multiblock copolymer nanoparticles in aqueous media via polymerization-induced self-assembly. *Reaction Chemistry and Engineering*, **2018**, 3, 645-657	4.9	28
595	Mechanistic Insights into Diblock Copolymer Nanoparticle-Crystal Interactions Revealed via in Situ Atomic Force Microscopy. *Journal of the American Chemical Society*, **2018**, 140, 7936-7945	16.4	27
594	Synthesis and pH-responsive dissociation of framboidal ABC triblock copolymer vesicles in aqueous solution. *Chemical Science*, **2018**, 9, 1454-1463	9.4	28
593	Synthesis and electrokinetics of cationic spherical nanoparticles in salt-free non-polar media. *Chemical Science*, **2018**, 9, 922-934	9.4	15
592	Synthesis of Well-Defined Pyrrolidone-Based Homopolymers and Stimulus-Responsive Diblock Copolymers via RAFT Aqueous Solution Polymerization of 2-(-Acryloyloxy)ethylpyrrolidone. *Macromolecules*, **2018**, 51, 7756-7766	5.5	13
591	In Situ Spectroscopic Studies of Highly Transparent Nanoparticle Dispersions Enable Assessment of Trithiocarbonate Chain-End Fidelity during RAFT Dispersion Polymerization in Nonpolar Media. *Journal of the American Chemical Society*, **2018**, 140, 12980-12988	16.4	32
590	Critical Dependence of Molecular Weight on Thermoresponsive Behavior of Diblock Copolymer Worm Gels in Aqueous Solution. *Macromolecules*, **2018**, 51, 8357-8371	5.5	43
589	Influence of the Structure of Block Copolymer Nanoparticles on the Growth of Calcium Carbonate. *Chemistry of Materials*, **2018**, 30, 7091-7099	9.6	14
588	Anionic block copolymer vesicles act as Trojan horses to enable efficient occlusion of guest species into host calcite crystals. *Chemical Science*, **2018**, 9, 8396-8401	9.4	27
587	A Vesicle-to-Worm Transition Provides a New High-Temperature Oil Thickening Mechanism. *Angewandte Chemie*, **2017**, 129, 1772-1776	3.6	17
586	A Vesicle-to-Worm Transition Provides a New High-Temperature Oil Thickening Mechanism. *Angewandte Chemie - International Edition*, **2017**, 56, 1746-1750	16.4	62

585	Nanotribological Investigation of Polymer Brushes with Lithographically Defined and Systematically Varying Grafting Densities. *Langmuir*, **2017**, 33, 706-713	4	5
584	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. *Langmuir*, **2017**, 33, 1275-1284	4	10
583	Effect of Monomer Solubility on the Evolution of Copolymer Morphology during Polymerization-Induced Self-Assembly in Aqueous Solution. *Macromolecules*, **2017**, 50, 796-802	5.5	62
582	Synthesis of polyacid nanogels: pH-responsive sub-100 nm particles for functionalisation and fluorescent hydrogel assembly. *Soft Matter*, **2017**, 13, 1554-1560	3.6	12
581	Anisotropic pH-Responsive Hydrogels Containing Soft or Hard Rod-Like Particles Assembled Using Low Shear. *Chemistry of Materials*, **2017**, 29, 3100-3110	9.6	19
580	Nanotribological properties of nanostructured poly(cysteine methacrylate) brushes. *Soft Matter*, **2017**, 13, 2075-2084	3.6	7
579	Preparation and Cross-Linking of All-Acrylamide Diblock Copolymer Nano-Objects via Polymerization-Induced Self-Assembly in Aqueous Solution. *Macromolecules*, **2017**, 50, 1482-1493	5.5	103
578	Micrometre and nanometre scale patterning of binary polymer brushes, supported lipid bilayers and proteins. *Chemical Science*, **2017**, 8, 4517-4526	9.4	18
577	Using Dynamic Covalent Chemistry To Drive Morphological Transitions: Controlled Release of Encapsulated Nanoparticles from Block Copolymer Vesicles. *Journal of the American Chemical Society*, **2017**, 139, 7616-7623	16.4	121
576	Time-Resolved SAXS Studies of the Kinetics of Thermally Triggered Release of Encapsulated Silica Nanoparticles from Block Copolymer Vesicles. *Macromolecules*, **2017**, 50, 4465-4473	5.5	22
575	HO Enables Convenient Removal of RAFT End-Groups from Block Copolymer Nano-Objects Prepared via Polymerization-Induced Self-Assembly in Water. *Macromolecules*, **2017**, 50, 182-191	5.5	49
574	Bespoke Diblock Copolymer Nanoparticles Enable the Production of Relatively Stable Oil-in-Water Pickering Nanoemulsions. *Langmuir*, **2017**, 33, 12616-12623	4	32
573	Cross-Linking Highly Lubricious Phosphocholinated Polymer Brushes: Effect on Surface Interactions and Frictional Behavior. *Macromolecules*, **2017**, 50, 7361-7371	5.5	28
572	Cationic disulfide-functionalized worm gels. *Polymer Chemistry*, **2017**, 8, 5962-5971	4.9	18
571	Phenyl acrylate is a versatile monomer for the synthesis of acrylic diblock copolymer nano-objects via polymerization-induced self-assembly. *Polymer Chemistry*, **2017**, 8, 4811-4821	4.9	29
570	Giant Pickering Droplets: Effect of Nanoparticle Size and Morphology on Stability. *Langmuir*, **2017**, 33, 7669-7679	4	16
569	Synthesis of well-defined epoxy-functional spherical nanoparticles by RAFT aqueous emulsion polymerization. *Polymer Chemistry*, **2017**, 8, 4856-4868	4.9	53
568	Stimulus-responsive block copolymer nano-objects and hydrogels dynamic covalent chemistry. *Polymer Chemistry*, **2017**, 8, 5374-5380	4.9	24

567	pH-Responsive Schizophrenic Diblock Copolymers Prepared by Polymerization-Induced Self-Assembly. *Macromolecules*, **2017**, 50, 6108-6116	5.5	40
566	Using Host□Guest Chemistry to Tune the Kinetics of Morphological Transitions Undertaken by Block Copolymer Vesicles. *ACS Macro Letters*, **2017**, 6, 1379-1385	6.6	43
565	Layer-By-Layer Self-Assembly of Polyelectrolytic Block Copolymer Worms on a Planar Substrate. *Langmuir*, **2017**, 33, 14425-14436	4	15
564	Stimulus-responsive non-ionic diblock copolymers: protonation of a tertiary amine end-group induces vesicle-to-worm or vesicle-to-sphere transitions. *Polymer Chemistry*, **2017**, 8, 272-282	4.9	36
563	pH-Responsive non-ionic diblock copolymers: protonation of a morpholine end-group induces an order□order transition. *Polymer Chemistry*, **2016**, 7, 79-88	4.9	58
562	small-angle X-ray scattering studies of sterically-stabilized diblock copolymer nanoparticles formed during polymerization-induced self-assembly in non-polar media. *Chemical Science*, **2016**, 7, 5078-5090	9.4	93
561	Occlusion of Sulfate-Based Diblock Copolymer Nanoparticles within Calcite: Effect of Varying the Surface Density of Anionic Stabilizer Chains. *Journal of the American Chemical Society*, **2016**, 138, 11734-42	16.4	53
560	Cross-linked cationic diblock copolymer worms are superflocculants for micrometer-sized silica particles. *Chemical Science*, **2016**, 7, 6894-6904	9.4	35
559	Antimicrobial Graft Copolymer Gels. *Biomacromolecules*, **2016**, 17, 2710-8	6.9	12
558	Frequent mechanical stress suppresses proliferation of mesenchymal stem cells from human bone marrow without loss of multipotency. *Scientific Reports*, **2016**, 6, 24264	4.9	24
557	RAFT Aqueous Dispersion Polymerization of -(2-(Methacryloyloxy)ethyl)pyrrolidone: A Convenient Low Viscosity Route to High Molecular Weight Water-Soluble Copolymers. *Macromolecules*, **2016**, 49, 4520-4533	5.5	30
556	The internal structure of poly(methyl methacrylate) latexes in nonpolar solvents. *Journal of Colloid and Interface Science*, **2016**, 479, 234-243	9.3	4
555	Bespoke cationic nano-objects via RAFT aqueous dispersion polymerisation. *Polymer Chemistry*, **2016**, 7, 3864-3873	4.9	40
554	Direct observation of mineral-organic composite formation reveals occlusion mechanism. *Nature Communications*, **2016**, 7, 10187	17.4	82
553	Giant pH-responsive microgel colloidosomes: preparation, interaction dynamics and stability. *Soft Matter*, **2016**, 12, 1477-86	3.6	12
552	Combining Biomimetic Block Copolymer Worms with an Ice-Inhibiting Polymer for the Solvent-Free Cryopreservation of Red Blood Cells. *Angewandte Chemie - International Edition*, **2016**, 55, 2801-4	16.4	90
551	Incorporating Diblock Copolymer Nanoparticles into Calcite Crystals: Do Anionic Carboxylate Groups Alone Ensure Efficient Occlusion?. *ACS Macro Letters*, **2016**, 5, 311-315	6.6	32
550	Mucin-Inspired Thermoresponsive Synthetic Hydrogels Induce Stasis in Human Pluripotent Stem Cells and Human Embryos. *ACS Central Science*, **2016**, 2, 65-74	16.8	83

549	Order-Order Morphological Transitions for Dual Stimulus Responsive Diblock Copolymer Vesicles. *Macromolecules*, **2016**, 49, 1016-1025	5.5	75
548	A Critical Appraisal of RAFT-Mediated Polymerization-Induced Self-Assembly. *Macromolecules*, **2016**, 49, 1985-2001	5.5	571
547	Synthesis, characterisation and Pickering emulsifier performance of poly(stearyl methacrylate)-poly(-2-(methacryloyloxy)ethyl pyrrolidone) diblock copolymer nano-objects RAFT dispersion polymerisation in -dodecane. *Polymer Chemistry*, **2016**, 7, 1882-1891	4.9	41
546	Addition of water to an alcoholic RAFT PISA formulation leads to faster kinetics but limits the evolution of copolymer morphology. *Polymer Chemistry*, **2016**, 7, 851-859	4.9	65
545	How Do Spherical Diblock Copolymer Nanoparticles Grow during RAFT Alcoholic Dispersion Polymerization?. *Macromolecules*, **2016**, 49, 172-181	5.5	50
544	Phosphonic Acid-Functionalized Diblock Copolymer Nano-Objects via Polymerization-Induced Self-Assembly: Synthesis, Characterization, and Occlusion into Calcite Crystals. *Macromolecules*, **2016**, 49, 192-204	5.5	49
543	Preparation of non-aqueous Pickering emulsions using anisotropic block copolymer nanoparticles. *Colloid and Polymer Science*, **2016**, 294, 1-12	2.4	43
542	Cationic and reactive primary amine-stabilised nanoparticles via RAFT aqueous dispersion polymerisation. *Polymer Chemistry*, **2016**, 7, 384-393	4.9	29
541	Polymerization-induced self-assembly of block copolymer nanoparticles via RAFT non-aqueous dispersion polymerization. *Progress in Polymer Science*, **2016**, 52, 1-18	29.6	428
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