James Jennings

List of Publications by Year
in descending order

23 papers	572 citations	687220 13 h-index	642610 23 g-index
23 all docs	23 docs citations	23 times ranked	831 citing authors

#	Article	IF	Citations
1	Block copolymer synthesis by controlled/living radical polymerisation in heterogeneous systems. Chemical Society Reviews, 2016, 45, 5055-5084.	18.7	108
2	One-Pot Synthesis of Block Copolymers in Supercritical Carbon Dioxide: A Simple Versatile Route to Nanostructured Microparticles. Journal of the American Chemical Society, 2012, 134, 4772-4781.	6.6	93
3	Advantages of Block Copolymer Synthesis by RAFT-Controlled Dispersion Polymerization in Supercritical Carbon Dioxide. Macromolecules, 2013, 46, 6843-6851.	2.2	78
4	A Reactive Platform Approach for the Rapid Synthesis and Discovery of High Ï‡/Low N Block Polymers. Macromolecules, 2016, 49, 6268-6276.	2.2	36
5	Synthesis and Characterization of Backbone Degradable Azlactone-Functionalized Polymers. Macromolecules, 2016, 49, 5514-5526.	2.2	26
6	Synthetic Mimics of Bacterial Lipid A Trigger Optical Transitions in Liquid Crystal Microdroplets at Ultralow Picogram-per-Milliliter Concentrations. Langmuir, 2015, 31, 12850-12855.	1.6	25
7	How does dense phase CO₂ influence the phase behaviour of block copolymers synthesised by dispersion polymerisation?. Polymer Chemistry, 2016, 7, 905-916.	1.9	25
8	Nanoporous Polymer Networks Templated by Gemini Surfactant Lyotropic Liquid Crystals. Chemistry of Materials, 2018, 30, 185-196.	3.2	25
9	Highly compressive and stretchable poly(ethylene glycol) based hydrogels synthesised using pH-responsive nanogels without free-radical chemistry. Nanoscale, 2019, 11, 7921-7930.	2.8	21
10	Synthesis of High Ï‡â€“Low N Diblock Copolymers by Polymerizationâ€Induced Selfâ€Assembly. Angewandte Chemie - International Edition, 2020, 59, 10848-10853.	7.2	20
11	A high pressure cell for supercritical CO2 on-line chemical reactions studied with x-ray techniques. Review of Scientific Instruments, 2014, 85, 093905.	0.6	17
12	Synthesis and Aqueous Solution Properties of Shape-Shifting Stimulus-Responsive Diblock Copolymer Nano-Objects. Chemistry of Materials, 2021, 33, 7767-7779.	3.2	17
13	Shape-shifting thermoreversible diblock copolymer nano-objects via RAFT aqueous dispersion polymerization of 4-hydroxybutyl acrylate. Chemical Science, 2021, 12, 13719-13729.	3.7	17
14	Smallâ€Angle Xâ€Ray Scattering Studies of Block Copolymer Nanoâ€Objects: Formation of Ordered Phases in Concentrated Solution During Polymerizationâ€Induced Selfâ€Assembly. Angewandte Chemie - International Edition, 2021, 60, 12955-12963.	7.2	13
15	Bacterial Quorum Sensing Signals Self-Assemble in Aqueous Media to Form Micelles and Vesicles: An Integrated Experimental and Molecular Dynamics Study. Journal of Physical Chemistry B, 2020, 124, 3616-3628.	1.2	12
16	Control of the aqueous solubility of cellulose by hydroxyl group substitution and its effect on processing. Polymer, 2021, 223, 123681.	1.8	9
17	Stearyl Methacrylate-Based Polymers as Crystal Habit Modifiers for Triacylglycerols. Crystal Growth and Design, 2018, 18, 7094-7105.	1.4	7
18	Synthesis of High Ï‡â€“Low N Diblock Copolymers by Polymerizationâ€Induced Selfâ€Assembly. Angewandte Chemie, 2020, 132, 10940-10945.	1.6	6

#	Article	IF	Citations
19	Protonation-Driven Aqueous Lyotropic Self-Assembly of Synthetic Six-Tail Lipidoids. Langmuir, 2020, 36, 8240-8252.	1.6	5
20	Highly Stretchable Conductive Covalent Coacervate Gels for Electronic Skin. Biomacromolecules, 2022, 23, 1423-1432.	2.6	5
21	Smallâ€Angle Xâ€Ray Scattering Studies of Block Copolymer Nanoâ€Objects: Formation of Ordered Phases in Concentrated Solution During Polymerizationâ€Induced Selfâ€Assembly. Angewandte Chemie, 2021, 133, 13065-13073.	1.6	3
22	One-pot synthesis of micron-sized polybetaine particles; innovative use of supercritical carbon dioxide. Polymer Chemistry, 2017, 8, 4557-4564.	1.9	2
23	Soft Materials that Intercept, Respond to, and Sequester Bacterial Siderophores. Chemistry of Materials, 2021, 33, 5401-5412.	3.2	2