David J Lunn

List of Publications by Year
in descending order

28 papers	2,407 citations	331259 21 h-index	500791 28 g-index
29 all docs	29 docs citations	29 times ranked	3058 citing authors

#	Article	IF	Citations
1	Engineering live cell surfaces with functional polymers via cytocompatible controlled radical polymerization. Nature Chemistry, 2017, 9, 537-545.	6.6	353
2	Colour-tunable fluorescent multiblock micelles. Nature Communications, 2014, 5, 3372.	5.8	243
3	Cylindrical Micelles of Controlled Length with a Ï€-Conjugated Polythiophene Core via Crystallization-Driven Self-Assembly. Journal of the American Chemical Society, 2011, 133, 8842-8845.	6.6	235
4	Uniform, High Aspect Ratio Fiber-like Micelles and Block Co-micelles with a Crystalline Ï€-Conjugated Polythiophene Core by Self-Seeding. Journal of the American Chemical Society, 2014, 136, 4121-4124.	6.6	181
5	Multi-responsive hydrogel structures from patterned droplet networks. Nature Chemistry, 2020, 12, 363-371.	6.6	148
6	Self-assembly of â€œpatchyâ€•nanoparticles: a versatile approach to functional hierarchical materials. Chemical Science, 2015, 6, 3663-3673.	3.7	124
7	Length control of supramolecular polymeric nanofibers based on stacked planar platinum(<scp>ii</scp>) complexes by seeded-growth. Chemical Communications, 2015, 51, 15921-15924.	2.2	122
8	Light-Mediated Atom Transfer Radical Polymerization of Semi-Fluorinated (Meth)acrylates: Facile Access to Functional Materials. Journal of the American Chemical Society, 2017, 139, 5939-5945.	6.6	121
9	Dimensional Control and Morphological Transformations of Supramolecular Polymeric Nanofibers Based on Cofacially-Stacked Planar Amphiphilic Platinum(II) Complexes. ACS Nano, 2017, 11, 9162-9175.	7.3	99
10	Fiber-like Micelles via the Crystallization-Driven Solution Self-Assembly of Poly(3-hexylthiophene)-block-Poly(methyl methacrylate) Copolymers. Macromolecules, 2012, 45, 5806-5815.	2.2	95
11	Gradient Crystallization-Driven Self-Assembly: Cylindrical Micelles with â€œPatchyâ€•Segmented Coronas via the Coassembly of Linear and Brush Block Copolymers. Journal of the American Chemical Society, 2014, 136, 13835-13844.	6.6	94
12	Dimensional Control of Block Copolymer Nanofibers with a Ï€â€Conjugated Core: CrystallizationâĐDriven Solution Selfâ€Assembly of Amphiphilic Poly(3â€hexylthiophene)â€bâ€poly(2â€vinylpyridine). Chemistry - A European Journal, 2013, 19, 9186-9197.	1.7	91
13	Monodisperse Cylindrical Micelles and Block Comicelles of Controlled Length in Aqueous Media. Journal of the American Chemical Society, 2016, 138, 4484-4493.	6.6	90
14	Established and emerging strategies for polymer chainâ€end modification. Journal of Polymer Science Part A, 2017, 55, 2903-2914.	2.5	78
15	Microfibres and macroscopic films from the coordination-driven hierarchical self-assembly of cylindrical micelles. Nature Communications, 2016, 7, 12371.	5.8	43
16	Dual-pathway chain-end modification of RAFT polymers using visible light and metal-free conditions. Chemical Communications, 2017, 53, 1888-1891.	2.2	41
17	Modular Synthesis of Polyferrocenylsilane Block Copolymers by Cu-Catalyzed Alkyne/Azide â€œClickâ€• Reactions. Macromolecules, 2013, 46, 1296-1304.	2.2	39
18	Transformation and patterning of supermicelles using dynamic holographic assembly. Nature Communications, 2015, 6, 10009.	5.8	38

#	Article	IF	Citations
19	Controlled Thiolâ€Ene Functionalization of Polyferrocenylsilaneâ€blockâ€Polyvinylsiloxane Copolymers. Macromolecular Chemistry and Physics, 2013, 214, 2813-2820.	1.1	29
20	Controlled thiolâ€“ene post-polymerization reactions on polyferrocenylsilane homopolymers and block copolymers. Polymer Chemistry, 2013, 4, 2353.	1.9	24
21	Structure of the Crystalline Core of Fiber-like Polythiophene Block Copolymer Micelles. Macromolecules, 2018, 51, 3097-3106.	2.2	21
22	PETâ€RAFT as a facile strategy for preparing functional lipidâ€“polymer conjugates. Journal of Polymer Science Part A, 2018, 56, 1259-1268.	2.5	19
23	Scalable synthesis of an architectural library of wellâ€defined poly(acrylic acid) derivatives: Role of structure on dispersant performance. Journal of Polymer Science Part A, 2019, 57, 716-725.	2.5	18
24	Desulfurizationâ€“bromination: direct chain-end modification of RAFT polymers. Polymer Chemistry, 2017, 8, 7188-7194.	1.9	16
25	DNA-Inspired Strand-Exchange for Switchable PMMA-Based Supramolecular Morphologies. Journal of the American Chemical Society, 2019, 141, 2630-2635.	6.6	16
26	Practical Chainâ€End Reduction of Polymers Obtained with ATRP. Macromolecular Chemistry and Physics, 2017, 218, 1700107.	1.1	13
27	Versatile and controlled functionalization of polyferrocenylsilaneâ€bâ€polyvinylsiloxane block copolymers using a Nâ€hydroxysuccinimidyl ester strategy. Journal of Polymer Science Part A, 2016, 54, 245-252.	2.5	9
28	A diâ€tert â€butyl acrylate monomer for controlled radical photopolymerization. Journal of Polymer Science Part A, 2017, 55, 801-807.	2.5	7