Charlotte E Boott

List of Publications by Year
in descending order

27	2,522	304743 22	501196 28
papers	citations	h-index	g-index

28	28	28	2670
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Exploring the Tunable Optical and Mechanical Properties of Multicomponent Low-Molecular-Weight Gelators. Langmuir, 2021, 37, 105-114.	3.5	9
2	Shapeâ€Memory Photonic Thermoplastics from Cellulose Nanocrystals. Advanced Functional Materials, 2021, 31, 2103268.	14.9	30
3	Cellulose Nanocrystal Elastomers with Reversible Visible Color. Angewandte Chemie, 2020, 132, 232-237.	2.0	25
4	Cellulose Nanocrystal Elastomers with Reversible Visible Color. Angewandte Chemie - International Edition, 2020, 59, 226-231.	13.8	96
5	Amino Acid-Containing Phase-Selective Organogelators: A Water-Based Delivery System for Oil Spill Treatment. ACS Omega, 2020, 5, 18758-18765.	3.5	15
6	Iridescent Cellulose Nanocrystal Films Modified with Hydroxypropyl Cellulose. Biomacromolecules, 2020, 21, 1295-1302.	5.4	53
7	Understanding the Selfâ€Assembly of Cellulose Nanocrystalsâ€”Toward Chiral Photonic Materials. Advanced Materials, 2020, 32, e1905876.	21.0	164
8	Stimuli-Responsive Anisotropic Materials Based on Unidirectional Organization of Cellulose Nanocrystals in an Elastomer. Macromolecules, 2019, 52, 5317-5324.	4.8	60
9	Post-modification of Cellulose Nanocrystal Aerogels with Thiolâ€“Ene Click Chemistry. Biomacromolecules, 2019, 20, 2779-2785.	5.4	28
10	Manipulation and Deposition of Complex, Functional Block Copolymer Nanostructures Using Optical Tweezers. ACS Nano, 2019, 13, 3858-3866.	14.6	21
11	Elasticity and thermal transport of commodity plastics. Physical Review Materials, 2019, 3, .	2.4	17
12	Scalable Fiber-like Micelles and Block Co-micelles by Polymerization-Induced Crystallization-Driven Self-Assembly. Journal of the American Chemical Society, 2018, 140, 18104-18114.	13.7	83
13	Probing the Growth Kinetics for the Formation of Uniform 1D Block Copolymer Nanoparticles by Living Crystallization-Driven Self-Assembly. ACS Nano, 2018, 12, 8920-8933.	14.6	60
14	Long-range exciton transport in conjugated polymer nanofibers prepared by seeded growth. Science, 2018, 360, 897-900.	12.6	277
15	Two-dimensional assemblies from crystallizable homopolymers with charged termini. Nature Materials, 2017, 16, 481-488.	27.5	179
16	Scalable and uniform 1D nanoparticles by synchronous polymerization, crystallization and self-assembly. Nature Chemistry, 2017, 9, 785-792.	13.6	174
17	Higher-order assembly of crystalline cylindrical micelles into membrane-extendable colloidosomes. Nature Communications, 2017, 8, 426.	12.8	62
18	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.	2.3	9

#	Article	IF	Citations
19	Uniform patchy and hollow rectangular platelet micelles from crystallizable polymer blends. Science, 2016, 352, 697-701.	12.6	305
20	Monodisperse Cylindrical Micelles and Block Comicelles of Controlled Length in Aqueous Media. Journal of the American Chemical Society, 2016, 138, 4484-4493.	13.7	90
21	â€œCrossâ€•Supermicelles via the Hierarchical Assembly of Amphiphilic Cylindrical Triblock Comicelles. Journal of the American Chemical Society, 2016, 138, 4087-4095.	13.7	58
22	In Situ Visualization of Block Copolymer Selfâ€Assembly in Organic Media by Superâ€Resolution Fluorescence Microscopy. Chemistry - A European Journal, 2015, 21, 18539-18542.	3.3	48
23	Synthetic Covalent and Nonâ€Covalent 2D Materials. Angewandte Chemie - International Edition, 2015, 54, 13876-13894.	13.8	157
24	Fluorous Cylindrical Micelles of Controlled Length by Crystallization-Driven Self-Assembly of Block Copolymers in Fluorinated Media. ACS Macro Letters, 2015, 4, 187-191.	4.8	18
25	Non-covalent synthesis of supermicelles with complex architectures using spatially confined hydrogen-bonding interactions. Nature Communications, 2015, 6, 8127.	12.8	93
26	Tailored hierarchical micelle architectures using living crystallization-driven self-assembly in two dimensions. Nature Chemistry, 2014, 6, 893-898.	13.6	329
27	Controlled Thiolâ€Ene Functionalization of Polyferrocenylsilaneâ€blockâ€Polyvinylsiloxane Copolymers. Macromolecular Chemistry and Physics, 2013, 214, 2813-2820.	2.2	29