

Charlotte E Boott

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

2,522
citations

304743

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501196

28
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docs citations

28
times ranked

2670
citing authors

#	ARTICLE	IF	CITATIONS
1	Tailored hierarchical micelle architectures using living crystallization-driven self-assembly in two dimensions. <i>Nature Chemistry</i> , 2014, 6, 893-898.	13.6	329
2	Uniform patchy and hollow rectangular platelet micelles from crystallizable polymer blends. <i>Science</i> , 2016, 352, 697-701.	12.6	305
3	Long-range exciton transport in conjugated polymer nanofibers prepared by seeded growth. <i>Science</i> , 2018, 360, 897-900.	12.6	277
4	Two-dimensional assemblies from crystallizable homopolymers with charged termini. <i>Nature Materials</i> , 2017, 16, 481-488.	27.5	179
5	Scalable and uniform 1D nanoparticles by synchronous polymerization, crystallization and self-assembly. <i>Nature Chemistry</i> , 2017, 9, 785-792.	13.6	174
6	Understanding the Self-Assembly of Cellulose Nanocrystals Toward Chiral Photonic Materials. <i>Advanced Materials</i> , 2020, 32, e1905876.	21.0	164
7	Synthetic Covalent and Non-Covalent 2D Materials. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13876-13894.	13.8	157
8	Cellulose Nanocrystal Elastomers with Reversible Visible Color. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 226-231.	13.8	96
9	Non-covalent synthesis of supermicelles with complex architectures using spatially confined hydrogen-bonding interactions. <i>Nature Communications</i> , 2015, 6, 8127.	12.8	93
10	Monodisperse Cylindrical Micelles and Block Comicelles of Controlled Length in Aqueous Media. <i>Journal of the American Chemical Society</i> , 2016, 138, 4484-4493.	13.7	90
11	Scalable Fiber-like Micelles and Block Co-micelles by Polymerization-Induced Crystallization-Driven Self-Assembly. <i>Journal of the American Chemical Society</i> , 2018, 140, 18104-18114.	13.7	83
12	Higher-order assembly of crystalline cylindrical micelles into membrane-extendable colloidosomes. <i>Nature Communications</i> , 2017, 8, 426.	12.8	62
13	Probing the Growth Kinetics for the Formation of Uniform 1D Block Copolymer Nanoparticles by Living Crystallization-Driven Self-Assembly. <i>ACS Nano</i> , 2018, 12, 8920-8933.	14.6	60
14	Stimuli-Responsive Anisotropic Materials Based on Unidirectional Organization of Cellulose Nanocrystals in an Elastomer. <i>Macromolecules</i> , 2019, 52, 5317-5324.	4.8	60
15	Co-Cross-Supermicelles via the Hierarchical Assembly of Amphiphilic Cylindrical Triblock Comicelles. <i>Journal of the American Chemical Society</i> , 2016, 138, 4087-4095.	13.7	58
16	Iridescent Cellulose Nanocrystal Films Modified with Hydroxypropyl Cellulose. <i>Biomacromolecules</i> , 2020, 21, 1295-1302.	5.4	53
17	In Situ Visualization of Block Copolymer Self-Assembly in Organic Media by Super-Resolution Fluorescence Microscopy. <i>Chemistry - A European Journal</i> , 2015, 21, 18539-18542.	3.3	48
18	Shape-Memory Photonic Thermoplastics from Cellulose Nanocrystals. <i>Advanced Functional Materials</i> , 2021, 31, 2103268.	14.9	30

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19	Controlled Thiolâ€Ene Functionalization of Polyferrocenylsilaneâ€block</i>â€Polyvinylsiloxane Copolymers. <i>Macromolecular Chemistry and Physics</i> , 2013, 214, 2813-2820.	2.2	29
20	Post-modification of Cellulose Nanocrystal Aerogels with Thiolâ€Ene Click Chemistry. <i>Biomacromolecules</i> , 2019, 20, 2779-2785.	5.4	28
21	Cellulose Nanocrystal Elastomers with Reversible Visible Color. <i>Angewandte Chemie</i> , 2020, 132, 232-237.	2.0	25
22	Manipulation and Deposition of Complex, Functional Block Copolymer Nanostructures Using Optical Tweezers. <i>ACS Nano</i> , 2019, 13, 3858-3866.	14.6	21
23	Fluorous Cylindrical Micelles of Controlled Length by Crystallization-Driven Self-Assembly of Block Copolymers in Fluorinated Media. <i>ACS Macro Letters</i> , 2015, 4, 187-191.	4.8	18
24	Elasticity and thermal transport of commodity plastics. <i>Physical Review Materials</i> , 2019, 3, .	2.4	17
25	Amino Acid-Containing Phase-Selective Organogelators: A Water-Based Delivery System for Oil Spill Treatment. <i>ACS Omega</i> , 2020, 5, 18758-18765.	3.5	15
26	Versatile and controlled functionalization of polyferrocenylsilaneâ€b</i>â€polyvinylsiloxane block copolymers using a <i>N</i>â€hydroxysuccinimidyl ester strategy. <i>Journal of Polymer Science Part A</i> , 2016, 54, 245-252.	2.3	9
27	Exploring the Tunable Optical and Mechanical Properties of Multicomponent Low-Molecular-Weight Gelators. <i>Langmuir</i> , 2021, 37, 105-114.	3.5	9