

Emily C Davidson

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Where Biology and Traditional Polymers Meet: The Potential of Associating Sequence-Defined Polymers for Materials Science. <i>Jacs Au</i> , 2021, 1, 1556-1571.	7.9	48
2	3D Printable and Reconfigurable Liquid Crystal Elastomers with Light-Induced Shape Memory via Dynamic Bond Exchange. <i>Advanced Materials</i> , 2020, 32, e1905682.	21.0	195
3	On the growth, structure and dynamics of P3EHT crystals. <i>Journal of Materials Chemistry C</i> , 2020, 8, 8155-8170.	5.5	7
4	Monomer Sequence Effects on Interfacial Width and Mixing in Self-Assembled Diblock Copolymers. <i>Macromolecules</i> , 2020, 53, 3262-3272.	4.8	19
5	Absence of Electrostatic Rigidity in Conjugated Polyelectrolytes with Pendant Charges. <i>ACS Macro Letters</i> , 2019, 8, 1147-1152.	4.8	15
6	Untethered soft robotic matter with passive control of shape morphing and propulsion. <i>Science Robotics</i> , 2019, 4, .	17.6	268
7	Sequence Effects on Block Copolymer Self-Assembly through Tuning Chain Conformation and Segregation Strength Utilizing Sequence-Defined Polypeptoids. <i>Macromolecules</i> , 2019, 52, 1277-1286.	4.8	37
8	The Role of Hydrogen Bonding in Peptoid-Based Marine Antifouling Coatings. <i>Macromolecules</i> , 2019, 52, 1287-1295.	4.8	41
9	Effects of Helical Chain Shape on Lamellae-Forming Block Copolymer Self-Assembly. <i>Macromolecules</i> , 2019, 52, 2560-2568.	4.8	24
10	Impact of Helical Chain Shape in Sequence-Defined Polymers on Polypeptoid Block Copolymer Self-Assembly. <i>Macromolecules</i> , 2018, 51, 2089-2098.	4.8	42
11	Temperature-Dependence of Persistence Length Affects Phenomenological Descriptions of Aligning Interactions in Nematic Semiconducting Polymers. <i>Chemistry of Materials</i> , 2018, 30, 748-761.	6.7	17
12	Branched Side Chains Govern Counterion Position and Doping Mechanism in Conjugated Polythiophenes. <i>ACS Macro Letters</i> , 2018, 7, 1492-1497.	4.8	45
13	Unraveling the Effect of Conformational and Electronic Disorder in the Charge Transport Processes of Semiconducting Polymers. <i>Advanced Functional Materials</i> , 2018, 28, 1804142.	14.9	34
14	Isothermal Crystallization Kinetics and Time-Temperature Transformation of the Conjugated Polymer: Poly(3-(2-ethyl)hexylthiophene). <i>Chemistry of Materials</i> , 2017, 29, 5654-5662.	6.7	41
15	Thermal Control of Confined Crystallization within P3EHT Block Copolymer Microdomains. <i>Macromolecules</i> , 2017, 50, 8097-8105.	4.8	18
16	Confined Crystallization within Cylindrical P3EHT Block Copolymer Microdomains. <i>Macromolecules</i> , 2017, 50, 6128-6136.	4.8	17
17	Confined crystallization in lamellae forming poly(3-(2-ethyl)hexylthiophene) (P3EHT) block copolymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 205-215.	2.1	20
18	Enhanced Water Vapor Blocking in Transparent Hybrid Polymer-Nanocrystal Films. <i>ACS Macro Letters</i> , 2015, 4, 70-74.	4.8	15