

Timothy W Collins

List of Publications by Year in descending order

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1039880

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916
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#	ARTICLE	IF	CITATIONS
1	Covalent Functionalization of Few-Layer Black Phosphorus Using Iodonium Salts and Comparison to Diazonium Modified Black Phosphorus. <i>Chemistry of Materials</i> , 2018, 30, 4667-4674.	3.2	79
2	Synthesis of monodisperse chitosan nanoparticles. <i>Food Hydrocolloids</i> , 2018, 83, 355-364.	5.6	73
3	Large Block Copolymer Self-Assembly for Fabrication of Subwavelength Nanostructures for Applications in Optics. <i>Nano Letters</i> , 2017, 17, 2973-2978.	4.5	72
4	Cyclical "Flipping" of Morphology in Block Copolymer Thin Films. <i>ACS Nano</i> , 2011, 5, 4617-4623.	7.3	69
5	Synthesis, Thermal Processing, and Thin Film Morphology of Poly(3-hexylthiophene)-Poly(styrenesulfonate) Block Copolymers. <i>Macromolecules</i> , 2015, 48, 2107-2117.	2.2	46
6	Evaluating the Surface Chemistry of Black Phosphorus during Ambient Degradation. <i>Langmuir</i> , 2019, 35, 2172-2178.	1.6	41
7	Two-Dimensional SnSe Nanonetworks: Growth and Evaluation for Li-Ion Battery Applications. <i>ACS Applied Energy Materials</i> , 2020, 3, 6602-6610.	2.5	25
8	Linking Precursor Alterations to Nanoscale Structure and Optical Transparency in Polymer Assisted Fast-Rate Dip-Coating of Vanadium Oxide Thin Films. <i>Scientific Reports</i> , 2015, 5, 11574.	1.6	15
9	Self-Healing Thermal Annealing: Surface Morphological Restructuring Control of GaN Nanorods. <i>Crystal Growth and Design</i> , 2016, 16, 6769-6775.	1.4	10
10	Nanopatterned protein-polysaccharide thin films by humidity regulated phase separation. <i>Journal of Colloid and Interface Science</i> , 2018, 532, 171-181.	5.0	9
11	Regulated phase separation in nanopatterned protein-polysaccharide thin films by spin coating. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 190, 110967.	2.5	7
12	Brushless and controlled microphase separation of lamellar polystyrene- <i>b</i> -polyethylene oxide thin films for block copolymer nanolithography. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012, 50, 904-909.	2.4	5
13	In-depth TEM characterization of block copolymer pattern transfer at germanium surfaces. <i>Nanotechnology</i> , 2016, 27, 484003.	1.3	4
14	Stabilization of Black Phosphorus by Sonication-Assisted Simultaneous Exfoliation and Functionalization. <i>Chemistry - A European Journal</i> , 2020, 26, 17581-17587.	1.7	3
15	A conceptual change in crystallisation mechanisms of oxide materials from solutions in closed systems. <i>Scientific Reports</i> , 2020, 10, 18414.	1.6	2
16	Structural Evolution of Nanophase Separated Block Copolymer Patterns in Supercritical CO ₂ . <i>Nanomaterials</i> , 2021, 11, 669.	1.9	2
17	Defining Swelling Kinetics in Block Copolymer Thin Films: The Critical Role of Temperature and Vapour Pressure Ramp. <i>Polymers</i> , 2021, 13, 4238.	2.0	0