

Adam F Hannon

List of Publications by Year in descending order

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all docs

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docs citations

21
times ranked

1024
citing authors

#	ARTICLE	IF	CITATIONS
1	Morphology Control in Block Copolymer Films Using Mixed Solvent Vapors. ACS Nano, 2012, 6, 8052-8059.	14.6	198
2	Hierarchical Nanostructures by Sequential Self-Assembly of Styrene- ϵ -Dimethylsiloxane Block Copolymers of Different Periods. Advanced Materials, 2011, 23, 634-639.	21.0	95
3	Design rules for self-assembled block copolymer patterns using tiled templates. Nature Communications, 2014, 5, 3305.	12.8	78
4	Aligned Sub-10-nm Block Copolymer Patterns Templated by Post Arrays. ACS Nano, 2012, 6, 2071-2077.	14.6	74
5	Optimizing Topographical Templates for Directed Self-Assembly of Block Copolymers via Inverse Design Simulations. Nano Letters, 2014, 14, 318-325.	9.1	63
6	Thin Film Morphologies of Bulk-Gyroid Polystyrene- <i>block</i> -polydimethylsiloxane under Solvent Vapor Annealing. Macromolecules, 2014, 47, 6000-6008.	4.8	62
7	Inverse Design of Topographical Templates for Directed Self-Assembly of Block Copolymers. ACS Macro Letters, 2013, 2, 251-255.	4.8	49
8	Enhancing the Potential of Block Copolymer Lithography with Polymer Self-Consistent Field Theory Simulations. Macromolecules, 2010, 43, 8290-8295.	4.8	38
9	Characterizing the Interface Scaling of High χ Block Copolymers near the Order-Disorder Transition. Macromolecules, 2018, 51, 173-180.	4.8	34
10	Rectangular Symmetry Morphologies in a Topographically Templated Block Copolymer. Advanced Materials, 2012, 24, 4249-4254.	21.0	29
11	Nanoscale spirals by directed self-assembly. Nano Futures, 2017, 1, 015001.	2.2	26
12	Derivation of Multiple Covarying Material and Process Parameters Using Physics-Based Modeling of X-ray Data. Macromolecules, 2017, 50, 7783-7793.	4.8	26
13	Sacrificial-Post Templating Method for Block Copolymer Self-Assembly. Small, 2014, 10, 493-499.	10.0	25
14	Advancing x-ray scattering metrology using inverse genetic algorithms. Journal of Micro/Nanolithography, MEMS, and MOEMS, 2016, 15, 034001.	0.9	24
15	3D TEM Tomography of Templated Bilayer Films of Block Copolymers. Advanced Functional Materials, 2014, 24, 7689-7697.	14.9	22
16	Inverting the design path for self-assembled block copolymers. Molecular Systems Design and Engineering, 2017, 2, 539-548.	3.4	20
17	Optimizing self-consistent field theory block copolymer models with X-ray metrology. Molecular Systems Design and Engineering, 2018, 3, 376-389.	3.4	13
18	Thermodynamic and Morphological Behavior of Block Copolymer Blends with Thermal Polymer Additives. Macromolecules, 2016, 49, 4898-4908.	4.8	7

#	ARTICLE	IF	CITATIONS
19	Advancing the computational methodology of rigid rod and semiflexible polymer systems: A new solution to the wormlike chain model with rod-coil copolymer calculations. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019, 57, 29-39.	2.1	6
20	Topographic Templating: Rectangular Symmetry Morphologies in a Topographically Templated Block Copolymer (<i>Adv. Mater.</i> 31/2012). <i>Advanced Materials</i> , 2012, 24, 4343-4343.	21.0	1
21	Self-Assembly: Sacrificial Post Templating Method for Block Copolymer Self-Assembly (<i>Small</i> 3/2014). <i>Small</i> , 2014, 10, 418-418.	10.0	0