

# Adam F Hannon

## List of Publications by Year in descending order

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21  
papers

890  
citations

516710

16  
h-index

752698

20  
g-index

21  
all docs

21  
docs citations

21  
times ranked

1024  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Optimizing self-consistent field theory block copolymer models with X-ray metrology. <i>Molecular Systems Design and Engineering</i> , 2018, 3, 376-389.	3.4	13
3	Characterizing the Interface Scaling of High $\chi$ Block Copolymers near the Order-Disorder Transition. <i>Macromolecules</i> , 2018, 51, 173-180.	4.8	34
4	Nanoscale spirals by directed self-assembly. <i>Nano Futures</i> , 2017, 1, 015001.	2.2	26
5	Derivation of Multiple Covarying Material and Process Parameters Using Physics-Based Modeling of X-ray Data. <i>Macromolecules</i> , 2017, 50, 7783-7793.	4.8	26
6	Inverting the design path for self-assembled block copolymers. <i>Molecular Systems Design and Engineering</i> , 2017, 2, 539-548.	3.4	20
7	Advancing x-ray scattering metrology using inverse genetic algorithms. <i>Journal of Micro/Nanolithography, MEMS, and MOEMS</i> , 2016, 15, 034001.	0.9	24
8	Thermodynamic and Morphological Behavior of Block Copolymer Blends with Thermal Polymer Additives. <i>Macromolecules</i> , 2016, 49, 4898-4908.	4.8	7
9	3D TEM Tomography of Templated Bilayer Films of Block Copolymers. <i>Advanced Functional Materials</i> , 2014, 24, 7689-7697.	14.9	22
10	Self-Assembly: Sacrificial Post Templating Method for Block Copolymer Self-Assembly (Small 3/2014). <i>Small</i> , 2014, 10, 418-418.	10.0	0
11	Sacrificial Post Templating Method for Block Copolymer Self-Assembly. <i>Small</i> , 2014, 10, 493-499.	10.0	25
12	Optimizing Topographical Templates for Directed Self-Assembly of Block Copolymers via Inverse Design Simulations. <i>Nano Letters</i> , 2014, 14, 318-325.	9.1	63
13	Thin Film Morphologies of Bulk-Gyroid Polystyrene-block-polydimethylsiloxane under Solvent Vapor Annealing. <i>Macromolecules</i> , 2014, 47, 6000-6008.	4.8	62
14	Design rules for self-assembled block copolymer patterns using tiled templates. <i>Nature Communications</i> , 2014, 5, 3305.	12.8	78
15	Inverse Design of Topographical Templates for Directed Self-Assembly of Block Copolymers. <i>ACS Macro Letters</i> , 2013, 2, 251-255.	4.8	49
16	Topographic Templating: Rectangular Symmetry Morphologies in a Topographically Templated Block Copolymer (Adv. Mater. 31/2012). <i>Advanced Materials</i> , 2012, 24, 4343-4343.	21.0	1
17	Morphology Control in Block Copolymer Films Using Mixed Solvent Vapors. <i>ACS Nano</i> , 2012, 6, 8052-8059.	14.6	198
18	Aligned Sub-10-nm Block Copolymer Patterns Templated by Post Arrays. <i>ACS Nano</i> , 2012, 6, 2071-2077.	14.6	74

#	ARTICLE	IF	CITATIONS
19	Rectangular Symmetry Morphologies in a Topographically Templated Block Copolymer. <i>Advanced Materials</i> , 2012, 24, 4249-4254.	21.0	29
20	Hierarchical Nanostructures by Sequential Self-Assembly of Styrene- $\epsilon$ -Dimethylsiloxane Block Copolymers of Different Periods. <i>Advanced Materials</i> , 2011, 23, 634-639.	21.0	95
21	Enhancing the Potential of Block Copolymer Lithography with Polymer Self-Consistent Field Theory Simulations. <i>Macromolecules</i> , 2010, 43, 8290-8295.	4.8	38