

Christopher A Grabowski

List of Publications by Year in descending order

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17
papers

714
citations

687363

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17
times ranked

1019
citing authors

#	ARTICLE	IF	CITATIONS
1	Size Effect of Nanoparticle Diffusion in a Polymer Melt. <i>Macromolecules</i> , 2014, 47, 7238-7242.	4.8	104
2	Dielectric Breakdown in Silica-“Amorphous Polymer Nanocomposite Films: The Role of the Polymer Matrix. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 5486-5492.	8.0	89
3	Performance of Dielectric Nanocomposites: Matrix-Free, Hairy Nanoparticle Assemblies and Amorphous Polymer-“Nanoparticle Blends. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 21500-21509.	8.0	81
4	Diffusion of Nanoparticles in Semidilute and Entangled Polymer Solutions. <i>Journal of Physical Chemistry B</i> , 2009, 113, 8449-8452.	2.6	70
5	Dynamics of gold nanoparticles in a polymer melt. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	66
6	Directed Self-Assembly of Block Copolymers for High Breakdown Strength Polymer Film Capacitors. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 7966-7976.	8.0	65
7	Dielectric performance of high permittivity nanocomposites: impact of polystyrene grafting on BaTiO ₃ and TiO ₂ . <i>Nanocomposites</i> , 2016, 2, 117-124.	4.2	37
8	Contraction and Reswelling of a Polymer Chain Near the Critical Point of a Binary Liquid Mixture. <i>Physical Review Letters</i> , 2007, 98, 207801.	7.8	34
9	Diffusion of Polystyrene Chains and Fluorescent Dye Molecules in Semidilute and Concentrated Polymer Solutions. <i>Macromolecules</i> , 2008, 41, 6191-6194.	4.8	34
10	Preparation of Ordered Monolayers of Polymer Grafted Nanoparticles: Impact of Architecture, Concentration, and Substrate Surface Energy. <i>Macromolecules</i> , 2016, 49, 1834-1847.	4.8	33
11	Physical aging and glass transition of hairy nanoparticle assemblies. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016, 54, 319-330.	2.1	27
12	Stability of Polymer Grafted Nanoparticle Monolayers: Impact of Architecture and Polymer-“Substrate Interactions on Dewetting. <i>ACS Macro Letters</i> , 2016, 5, 1369-1374.	4.8	26
13	Effect of Molecular Weight and Layer Thickness on the Dielectric Breakdown Strength of Neat and Homopolymer Swollen Lamellar Block Copolymer Films. <i>ACS Applied Polymer Materials</i> , 2020, 2, 3072-3083.	4.4	20
14	All-printed multilayer high voltage capacitors with integrated processing feedback. <i>Additive Manufacturing</i> , 2019, 27, 327-333.	3.0	10
15	Enhancing dielectric breakdown strength: structural relaxation of amorphous polymers and nanocomposites. <i>MRS Communications</i> , 2015, 5, 205-210.	1.8	8
16	Effect of Surface Curvature on Critical Adsorption. <i>Physical Review Letters</i> , 2009, 103, 225705.	7.8	7
17	Comparing the activation energy of diffusion in bulk and ultrathin fluid films. <i>Journal of Chemical Physics</i> , 2007, 127, 171101.	3.0	3