

Jeffrey N Murphy

List of Publications by Year in descending order

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18
papers

1,035
citations

623574

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839398

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docs citations

19
times ranked

1546
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Fluorinated Comb-Shaped Copolymers as Proton Exchange Membranes (PEMs): Improving PEM Properties Through Rational Design. <i>Advanced Functional Materials</i> , 2006, 16, 1814-1822.	7.8	174
2	Fast Assembly of Ordered Block Copolymer Nanostructures through Microwave Annealing. <i>ACS Nano</i> , 2010, 4, 7021-7029.	7.3	144
3	On the Nature of DNA Self-Assembled Monolayers on Au: Measuring Surface Heterogeneity with Electrochemical in Situ Fluorescence Microscopy. <i>Journal of the American Chemical Society</i> , 2009, 131, 4042-4050.	6.6	125
4	Dual light and temperature responsive cotton fabric functionalized with a surface-grafted spiropyran- <i>N</i> -IPAAm-hydrogel. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8676-8681.	5.2	80
5	An Untethered Magnetic- and Light-Responsive Rotary Gripper: Shedding Light on Photoresponsive Liquid Crystal Actuators. <i>Advanced Optical Materials</i> , 2019, 7, 1801643.	3.6	76
6	Sub-5 nm Patterning by Directed Self-Assembly of Oligo(Dimethylsiloxane) Liquid Crystal Thin Films. <i>Advanced Materials</i> , 2016, 28, 10068-10072.	11.1	64
7	Fluorenyl-containing sulfonated poly(aryl ether ether ketone ketone)s (SPFEEKK) for fuel cell applications. <i>Journal of Membrane Science</i> , 2006, 280, 54-64.	4.1	61
8	Deconvoluting the Mechanism of Microwave Annealing of Block Copolymer Thin Films. <i>ACS Nano</i> , 2014, 8, 3979-3991.	7.3	61
9	Automated Defect and Correlation Length Analysis of Block Copolymer Thin Film Nanopatterns. <i>PLoS ONE</i> , 2015, 10, e0133088.	1.1	55
10	Photonic Shape Memory Polymer with Stable Multiple Colors. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 32161-32167.	4.0	52
11	Rapid Assembly of Nanolines with Precisely Controlled Spacing from Binary Blends of Block Copolymers. <i>Macromolecules</i> , 2011, 44, 9752-9757.	2.2	41
12	Density Doubling of Block Copolymer Templated Features. <i>Nano Letters</i> , 2012, 12, 264-268.	4.5	34
13	3D Orientational Control in Self-Assembled Thin Films with Sub-5 nm Features by Light. <i>Small</i> , 2017, 13, 1701043.	5.2	24
14	Reversible Orthopalladation of Phosphinimine-Imine Dichloropalladium(II) Complexes. <i>Organometallics</i> , 2009, 28, 3889-3895.	1.1	17
15	From enolates to anthraquinones. <i>Canadian Journal of Chemistry</i> , 2006, 84, 659-666.	0.6	10
16	Sub-5 nm structured films by hydrogen bonded siloxane liquid crystals and block copolymers. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3042-3046.	2.7	10
17	Surface Micropatterning of Uniaxially Oriented Polyethylene Films Using Interference Holography for Strain Sensors. <i>Langmuir</i> , 2017, 33, 14592-14598.	1.6	6
18	Thin Films: 3D Orientational Control in Self-Assembled Thin Films with Sub-5 nm Features by Light (Small 33/2017). <i>Small</i> , 2017, 13, .	5.2	0