

Casey J Galvin

List of Publications by Year in descending order

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13
papers

588
citations

840776

11
h-index

1125743

13
g-index

14
all docs

14
docs citations

14
times ranked

1024
citing authors

#	ARTICLE	IF	CITATIONS
1	Applications of surface-grafted macromolecules derived from post-polymerization modification reactions. <i>Progress in Polymer Science</i> , 2012, 37, 871-906.	24.7	136
2	Separation and Molecular-Level Segregation of Complex Alkane Mixtures in Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2008, 130, 10884-10885.	13.7	116
3	Swelling of Polyelectrolyte and Polyzwitterion Brushes by Humid Vapors. <i>Journal of the American Chemical Society</i> , 2014, 136, 12737-12745.	13.7	86
4	Opto-Mechanical Scission of Polymer Chains in Photosensitive Diblock-Copolymer Brushes. <i>Langmuir</i> , 2013, 29, 13967-13974.	3.5	43
5	Light-Induced Reversible Change of Roughness and Thickness of Photosensitive Polymer Brushes. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 19175-19184.	8.0	39
6	Swelling of Hydrophilic Polymer Brushes by Water and Alcohol Vapors. <i>Macromolecules</i> , 2016, 49, 4316-4329.	4.8	37
7	Plasma-Assisted Large-Scale Nanoassembly of Metal-Insulator Bioplasmonic Mushrooms. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 219-226.	8.0	36
8	Instability of Surface-Grafted Weak Polyacid Brushes on Flat Substrates. <i>Macromolecules</i> , 2015, 48, 5677-5687.	4.8	27
9	Polymer brushes modified by photosensitive azobenzene containing polyamines. <i>Polymer</i> , 2016, 98, 421-428.	3.8	25
10	Characterizing polymer macrostructures by identifying and locating microstructures along their chains with the kerr effect. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2013, 51, 735-741.	2.1	15
11	Beyond microstructures: Using the Kerr Effect to characterize the macrostructures of synthetic polymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015, 53, 155-166.	2.1	13
12	Total Capture, Convection-Limited Nanofluidic Immunoassays Exhibiting Nanoconfinement Effects. <i>Analytical Chemistry</i> , 2018, 90, 3211-3219.	6.5	8
13	Microfluidic device flow field characterization around tumor spheroids with tunable necrosis produced in an optimized off-chip process. <i>Biomedical Microdevices</i> , 2017, 19, 59.	2.8	7