Jennifer E Curtis

List of Publications by Year
in descending order

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31 papers	3,246 citations	471509 17 h-index	434195 31 g-index
32 all docs	32 docs citations	32 times ranked	3456 citing authors

#	Article	IF	Citations
1	Sculpting Enzyme-Generated Giant Polymer Brushes. ACS Nano, 2021, 15, 4268-4276.	14.6	1
2	Giant Hyaluronan Polymer Brushes Display Polyelectrolyte Brush Polymer Physics Behavior. ACS Macro Letters, 2019, 8, 1323-1327.	4.8	10
3	Self-regenerating giant hyaluronan polymer brushes. Nature Communications, 2019, 10, 5527.	12.8	16
4	Cdc42 regulates the cellular localization of Cdc42ep1 in controlling neural crest cell migration. Journal of Molecular Cell Biology, 2018, 10, 376-387.	3.3	12
5	Single-Molecule Imaging of Proteoglycans in the Pericellular Matrix. Biophysical Journal, 2017, 113, 2316-2320.	0.5	8
6	Understanding How Charged Nanoparticles Electrostatically Assemble and Distribute in 1-D. Langmuir, 2016, 32, 13600-13610.	3.5	9
7	Frustrated Phagocytic Spreading of J774A-1 Macrophages Ends in Myosin II-Dependent Contraction. Biophysical Journal, 2016, 111, 2698-2710.	0.5	39
8	Cell Surface Access Is Modulated by Tethered Bottlebrush Proteoglycans. Biophysical Journal, 2016, 110, 2739-2750.	0.5	19
9	The Mechanics of Ovulation Depend on an Incredibly Soft and Sugar-Rich Extracellular Matrix. Biophysical Journal, 2016, 110, 2566-2567.	0.5	2
10	Beads on a string: structure of bound aggregates of globular particles and long polymer chains. Soft Matter, 2015, 11, 8092-8099.	2.7	3
11	Speed Dependence of Thermochemical Nanolithography for Grayâ€Scale Patterning. ChemPhysChem, 2014, 15, 2530-2535.	2.1	8
12	Parallelization of thermochemical nanolithography. Nanoscale, 2014, 6, 1299-1304.	5.6	41
13	How vinculin regulates force transmission. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 9788-9793.	7.1	209
14	A generalized approach for measuring microcapsule permeability with Fluorescence Recovery After Photobleaching. Journal of Materials Science, 2013, 48, 2215-2223.	3.7	1
15	Spatial Organization and Mechanical Properties of the Pericellular Matrix on Chondrocytes. Biophysical Journal, 2013, 104, 986-996.	0.5	35
16	Fabricating Nanoscale Chemical Gradients with ThermoChemical NanoLithography. Langmuir, 2013, 29, 8675-8682.	3.5	40
17	Aberration correction in wide-field fluorescence microscopy by segmented-pupil image interferometry. Optics Express, 2012, 20, 14534.	3.4	11
18	Nonperturbative Chemical Modification of Graphene for Protein Micropatterning. Langmuir, 2011, 27, 863-865.	3.5	85

#	Article	IF	Citations
19	Photobleaching-activated micropatterning on self-assembled monolayers. Journal of Physics Condensed Matter, 2010, 22, 194103.	1.8	6
20	Smart colloidosomes with a dissolution trigger. Soft Matter, 2010, 6, 3163.	2.7	66
21	Thermochemical Nanolithography of Multifunctional Nanotemplates for Assembling Nanoâ€Objects. Advanced Functional Materials, 2009, 19, 3696-3702.	14.9	61
22	Optical force sensor array in a microfluidic device based on holographic optical tweezers. Lab on A Chip, 2009, 9, 661.	6.0	36
23	Mapping the mechanics and macromolecular organization of hyaluronan-rich cell coats. Soft Matter, 2009, 5, 4331.	2.7	30
24	Understanding Receptor Kinetics And Mechanics In Phagocytosis Uptake Using Deformable Polyelectrolyte Microcapsules As Force Sensors. Biophysical Journal, 2009, 96, 642a.	0.5	0
25	Cell-assisted assembly of colloidal crystallites. Soft Matter, 2007, 3, 337-348.	2.7	25
26	Tuning the orbital angular momentum in optical vortex beams. Optics Express, 2006, 14, 6604.	3.4	83
27	High-precision steering of multiple holographic optical traps. Optics Express, 2005, 13, 8678.	3.4	60
28	Symmetry dependence of holograms for optical trapping. Optics Letters, 2005, 30, 2086.	3.3	79
29	Modulated optical vortices. Optics Letters, 2003, 28, 872.	3.3	187
30	Structure of Optical Vortices. Physical Review Letters, 2003, 90, 133901.	7.8	578
31	Dynamic holographic optical tweezers. Optics Communications, 2002, 207, 169-175.	2.1	1,484