Olgica Bakajin

List of Publications by Citations

37 papers	12,311 citations	28 h-index	40 g-index
40 ext. papers	13,240 ext. citations	11.1 avg, IF	5.63 L-index

#	Paper	IF	Citations
37	Capillary flow as the cause of ring stains from dried liquid drops. *Nature*, **1997**, 389, 827-829	50.4	4601
36	Fast mass transport through sub-2-nanometer carbon nanotubes. *Science*, **2006**, 312, 1034-7	33.3	2257
35	Contact line deposits in an evaporating drop. *Physical Review E*, **2000**, 62, 756-65	2.4	1634
34	Nanofluidics in carbon nanotubes. *Nano Today*, **2007**, 2, 22-29	17.9	963
33	Ion exclusion by sub-2-nm carbon nanotube pores. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 17250-5	11.5	523
32	Single-molecule measurement of protein folding kinetics. *Science*, **2003**, 301, 1233-5	33.3	347
31	Mapping protein collapse with single-molecule fluorescence and kinetic synchrotron radiation circular dichroism spectroscopy. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 105-10	11.5	196
30	Layer-by-Layer electrostatic self-assembly of polyelectrolyte nanoshells on individual carbon nanotube templates. *Langmuir*, **2004**, 20, 1442-8	4	151
29	Fabrication of a Carbon Nanotube-Embedded Silicon Nitride Membrane for Studies of Nanometer-Scale Mass Transport. *Nano Letters*, **2004**, 4, 2245-2250	11.5	143
28	Ultrafast gas chromatography on single-wall carbon nanotube stationary phases in microfabricated channels. *Analytical Chemistry*, **2006**, 78, 5639-44	7.8	121
27	Femtomole mixer for microsecond kinetic studies of protein folding. *Analytical Chemistry*, **2004**, 76, 7169-78	7.8	120
26	Separation of 100-kilobase DNA molecules in 10 seconds. *Analytical Chemistry*, **2001**, 73, 6053-6	7.8	116
25	Slow unfolded-state structuring in Acyl-CoA binding protein folding revealed by simulation and experiment. *Journal of the American Chemical Society*, **2012**, 134, 12565-77	16.4	113
24	Mechanism and kinetics of growth termination in controlled chemical vapor deposition growth of multiwall carbon nanotube arrays. *Nano Letters*, **2009**, 9, 738-44	11.5	92
23	pH-tunable ion selectivity in carbon nanotube pores. *Langmuir*, **2010**, 26, 14848-53	4	90
22	Controlled electrostatic gating of carbon nanotube FET devices. *Nano Letters*, **2006**, 6, 2080-5	11.5	88
21	Fabrication of flexible, aligned carbon nanotube/polymer composite membranes by in-situ polymerization. *Journal of Membrane Science*, **2014**, 460, 91-98	9.6	84

20	Extremely slow intramolecular diffusion in unfolded protein L. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 13713-7	11.5	82
19	Optimization of a microfluidic mixer for studying protein folding kinetics. *Analytical Chemistry*, **2006**, 78, 4299-306	7.8	69
18	Protein hydrophobic collapse and early folding steps observed in a microfluidic mixer. *Biophysical Journal*, **2007**, 93, 218-24	2.9	64
17	Near-field scanner for moving molecules. *Physical Review Letters*, **2001**, 86, 1378-81	7.4	60
16	Thermally switchable aligned nanopores by magnetic-field directed self-assembly of block copolymers. *Advanced Materials*, **2014**, 26, 5148-54	24	55
15	Functional one-dimensional lipid bilayers on carbon nanotube templates. *Journal of the American Chemical Society*, **2005**, 127, 7538-42	16.4	54
14	Molecular Design of Liquid Crystalline Brush-Like Block Copolymers for Magnetic Field Directed Self-Assembly: A Platform for Functional Materials.. *ACS Macro Letters*, **2014**, 3, 462-466	6.6	49
13	Improvements in mixing time and mixing uniformity in devices designed for studies of protein folding kinetics. *Analytical Chemistry*, **2007**, 79, 5753-9	7.8	47
12	Microfluidic mixers for the investigation of rapid protein folding kinetics using synchrotron radiation circular dichroism spectroscopy. *Analytical Chemistry*, **2008**, 80, 9534-41	7.8	44
11	Direct observation of downhill folding of lambda-repressor in a microfluidic mixer. *Biophysical Journal*, **2009**, 97, 1772-7	2.9	38
10	Evidence of multiple folding pathways for the villin headpiece subdomain. *Journal of Physical Chemistry B*, **2011**, 115, 12632-7	3.4	30
9	Ruggedness in the folding landscape of protein L. *HFSP Journal*, **2008**, 2, 388-95		25
8	Biofunctional subwavelength optical waveguides for biodetection. *ACS Nano*, **2008**, 2, 255-62	16.7	23
7	Water-assisted growth of uniform 100 mm diameter SWCNT arrays. *ACS Applied Materials & Interfaces*, **2014**, 6, 21019-25	9.5	12
6	Materials Aspects in Micro- and Nanofluidic Systems Applied to Biology. *MRS Bulletin*, **2006**, 31, 108-113	3.2	8
5	Mechanism of Ion Exclusion by Sub-2nm Carbon Nanotube Membranes. *Materials Research Society Symposia Proceedings*, **2008**, 1106, 1		7
4	Nanofluidic Carbon Nanotube Membranes **2014**, 173-188		2
3	Microfluidic mixers for studying protein folding. *Journal of Visualized Experiments*, **2012**,	1.6	2

2	Carbon Nanotube-Based Permeable Membranes. *Materials Research Society Symposia Proceedings*, **2004**, 820, 1	1
1	Fabrication and characterisation of suspended carbon nanotube devices in liquid. *International Journal of Nanotechnology*, **2008**, 5, 488	1.5