

Olgica Bakajin

List of Publications by Year in descending order

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39
papers

14,139
citations

185998

28
h-index

344852

36
g-index

40
all docs

40
docs citations

40
times ranked

16205
citing authors

#	ARTICLE	IF	CITATIONS
1	Capillary flow as the cause of ring stains from dried liquid drops. <i>Nature</i> , 1997, 389, 827-829.	13.7	5,383
2	Fast Mass Transport Through Sub-2-Nanometer Carbon Nanotubes. <i>Science</i> , 2006, 312, 1034-1037.	6.0	2,604
3	Contact line deposits in an evaporating drop. <i>Physical Review E</i> , 2000, 62, 756-765.	0.8	1,872
4	Nanofluidics in carbon nanotubes. <i>Nano Today</i> , 2007, 2, 22-29.	6.2	1,072
5	Ion exclusion by sub-2-nm carbon nanotube pores. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 17250-17255.	3.3	609
6	Single-Molecule Measurement of Protein Folding Kinetics. <i>Science</i> , 2003, 301, 1233-1235.	6.0	380
7	Mapping protein collapse with single-molecule fluorescence and kinetic synchrotron radiation circular dichroism spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 105-110.	3.3	208
8	Layer-by-Layer Electrostatic Self-Assembly of Polyelectrolyte Nanoshells on Individual Carbon Nanotube Templates. <i>Langmuir</i> , 2004, 20, 1442-1448.	1.6	163
9	Fabrication of a Carbon Nanotube-Embedded Silicon Nitride Membrane for Studies of Nanometer-Scale Mass Transport. <i>Nano Letters</i> , 2004, 4, 2245-2250.	4.5	152
10	Femtomole Mixer for Microsecond Kinetic Studies of Protein Folding. <i>Analytical Chemistry</i> , 2004, 76, 7169-7178.	3.2	138
11	Ultrafast Gas Chromatography on Single-Wall Carbon Nanotube Stationary Phases in Microfabricated Channels. <i>Analytical Chemistry</i> , 2006, 78, 5639-5644.	3.2	137
12	Separation of 100-Kilobase DNA Molecules in 10 Seconds. <i>Analytical Chemistry</i> , 2001, 73, 6053-6056.	3.2	134
13	Slow Unfolded-State Structuring in Acyl-CoA Binding Protein Folding Revealed by Simulation and Experiment. <i>Journal of the American Chemical Society</i> , 2012, 134, 12565-12577.	6.6	132
14	Mechanism and Kinetics of Growth Termination in Controlled Chemical Vapor Deposition Growth of Multiwall Carbon Nanotube Arrays. <i>Nano Letters</i> , 2009, 9, 738-744.	4.5	104
15	Controlled Electrostatic Gating of Carbon Nanotube FET Devices. <i>Nano Letters</i> , 2006, 6, 2080-2085.	4.5	100
16	pH-Tunable Ion Selectivity in Carbon Nanotube Pores. <i>Langmuir</i> , 2010, 26, 14848-14853.	1.6	100
17	Fabrication of flexible, aligned carbon nanotube/polymer composite membranes by in-situ polymerization. <i>Journal of Membrane Science</i> , 2014, 460, 91-98.	4.1	96
18	Extremely slow intramolecular diffusion in unfolded protein L. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 13713-13717.	3.3	88

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19	Optimization of a Microfluidic Mixer for Studying Protein Folding Kinetics. <i>Analytical Chemistry</i> , 2006, 78, 4299-4306.	3.2	77
20	Protein Hydrophobic Collapse and Early Folding Steps Observed in a Microfluidic Mixer. <i>Biophysical Journal</i> , 2007, 93, 218-224.	0.2	74
21	Near-Field Scanner for Moving Molecules. <i>Physical Review Letters</i> , 2001, 86, 1378-1381.	2.9	71
22	Thermally Switchable Aligned Nanopores by Magnetic Field Directed Self-Assembly of Block Copolymers. <i>Advanced Materials</i> , 2014, 26, 5148-5154.	11.1	66
23	Molecular Design of Liquid Crystalline Brush-Like Block Copolymers for Magnetic Field Directed Self-Assembly: A Platform for Functional Materials. <i>ACS Macro Letters</i> , 2014, 3, 462-466.	2.3	59
24	Functional One-Dimensional Lipid Bilayers on Carbon Nanotube Templates. <i>Journal of the American Chemical Society</i> , 2005, 127, 7538-7542.	6.6	58
25	Improvements in Mixing Time and Mixing Uniformity in Devices Designed for Studies of Protein Folding Kinetics. <i>Analytical Chemistry</i> , 2007, 79, 5753-5759.	3.2	51
26	Microfluidic Mixers for the Investigation of Rapid Protein Folding Kinetics Using Synchrotron Radiation Circular Dichroism Spectroscopy. <i>Analytical Chemistry</i> , 2008, 80, 9534-9541.	3.2	47
27	Direct Observation of Downhill Folding of λ -Repressor in a Microfluidic Mixer. <i>Biophysical Journal</i> , 2009, 97, 1772-1777.	0.2	39
28	Evidence of Multiple Folding Pathways for the Villin Headpiece Subdomain. <i>Journal of Physical Chemistry B</i> , 2011, 115, 12632-12637.	1.2	31
29	Biofunctional Subwavelength Optical Waveguides for Biodetection. <i>ACS Nano</i> , 2008, 2, 255-262.	7.3	25
30	Ruggedness in the folding landscape of protein L. <i>HFSP Journal</i> , 2008, 2, 388-395.	2.5	25
31	Water-Assisted Growth of Uniform 100 nm Diameter SWCNT Arrays. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 21019-21025.	4.0	15
32	Mechanism of Ion Exclusion by Sub-2nm Carbon Nanotube Membranes. <i>Materials Research Society Symposia Proceedings</i> , 2008, 1106, 1.	0.1	11
33	Materials Aspects in Micro- and Nanofluidic Systems Applied to Biology. <i>MRS Bulletin</i> , 2006, 31, 108-113.	1.7	8
34	Nanofluidic Carbon Nanotube Membranes. , 2014, , 173-188.		4
35	Microfluidic Mixers for Studying Protein Folding. <i>Journal of Visualized Experiments</i> , 2012, , .	0.2	3
36	Carbon Nanotube-Based Permeable Membranes. <i>Materials Research Society Symposia Proceedings</i> , 2004, 820, 1.	0.1	2

#	ARTICLE	IF	CITATIONS
37	Fabrication and characterisation of suspended carbon nanotube devices in liquid. International Journal of Nanotechnology, 2008, 5, 488.	0.1	1
38	Microfabricated arrays for fractionation of large DNA molecules via pulsed field electrophoresis. , 1999, , .		0
39	Nanofluidics in Carbon Nanotubes. , 2014, , 1-6.		0