Jung-uk Shim

List of Publications by Year
in descending order

15	871	840119 11	996533 15
papers	citations	h-index	g-index

15	15	15	1504
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Control and Measurement of the Phase Behavior of Aqueous Solutions Using Microfluidics. Journal of the American Chemical Society, 2007, 129, 8825-8835.	6.6	208
2	Ultrarapid Generation of Femtoliter Microfluidic Droplets for Single-Molecule-Counting Immunoassays. ACS Nano, 2013, 7, 5955-5964.	7.3	188
3	Simultaneous Determination of Gene Expression and Enzymatic Activity in Individual Bacterial Cells in Microdroplet Compartments. Journal of the American Chemical Society, 2009, 131, 15251-15256.	6.6	151
4	Using Microfluidics to Decouple Nucleation and Growth of Protein Crystals. Crystal Growth and Design, 2007, 7, 2192-2194.	1.4	91
5	Self-assembly of fractal liquid crystal colloids. Nature Communications, 2019, 10, 198.	5.8	36
6	Controlling the contents of microdroplets by exploiting the permeability of PDMS. Lab on A Chip, 2011, 11, 1132.	3.1	35
7	Single Molecule Fluorescence under Conditions of Fast Flow. Analytical Chemistry, 2012, 84, 179-185.	3.2	35
8	Three-Dimensional and Chemical Mapping of Intracellular Signaling Nanodomains in Health and Disease with Enhanced Expansion Microscopy. ACS Nano, 2019, 13, 2143-2157.	7.3	33
9	The study of atmospheric ice-nucleating particles via microfluidically generated droplets. Microfluidics and Nanofluidics, 2018, 22, 52.	1.0	32
10	On-chip analysis of atmospheric ice-nucleating particles in continuous flow. Lab on A Chip, 2020, 20, 2889-2910.	3.1	24
11	A Major Combustion Aerosol Event Had a Negligible Impact on the Atmospheric Iceâ€Nucleating Particle Population. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032938.	1.2	14
12	Homogeneous Freezing of Water Using Microfluidics. Micromachines, 2021, 12, 223.	1.4	9
13	On-chip pressure measurements and channel deformation after oil absorption. SN Applied Sciences, 2020, 2, 1.	1.5	6
14	On-chip density-based sorting of supercooled droplets and frozen droplets in continuous flow. Lab on A Chip, 2020, 20, 3876-3887.	3.1	5
15	Rotatable microfluidic device for simultaneous study of bilateral chemosensory neurons in Caenorhabditis elegans. Microfluidics and Nanofluidics, 2020, 24, 1.	1.0	4