

Jung-uk Shim

List of Publications by Year in descending order

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15
papers

871
citations

840119

11
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996533

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all docs

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docs citations

15
times ranked

1504
citing authors

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