

Jung-uk Shim

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9372738/publications.pdf>

Version: 2024-02-01

15
papers

871
citations

840776

11
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

1504
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Control and Measurement of the Phase Behavior of Aqueous Solutions Using Microfluidics. <i>Journal of the American Chemical Society</i> , 2007, 129, 8825-8835. | 13.7 | 208 |
| 2 | Ultrarapid Generation of Femtoliter Microfluidic Droplets for Single-Molecule-Counting Immunoassays. <i>ACS Nano</i> , 2013, 7, 5955-5964. | 14.6 | 188 |
| 3 | 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. | 13.7 | 151 |
| 4 | Using Microfluidics to Decouple Nucleation and Growth of Protein Crystals. <i>Crystal Growth and Design</i> , 2007, 7, 2192-2194. | 3.0 | 91 |
| 5 | Self-assembly of fractal liquid crystal colloids. <i>Nature Communications</i> , 2019, 10, 198. | 12.8 | 36 |
| 6 | Controlling the contents of microdroplets by exploiting the permeability of PDMS. <i>Lab on A Chip</i> , 2011, 11, 1132. | 6.0 | 35 |
| 7 | Single Molecule Fluorescence under Conditions of Fast Flow. <i>Analytical Chemistry</i> , 2012, 84, 179-185. | 6.5 | 35 |
| 8 | 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. | 14.6 | 33 |
| 9 | The study of atmospheric ice-nucleating particles via microfluidically generated droplets. <i>Microfluidics and Nanofluidics</i> , 2018, 22, 52. | 2.2 | 32 |
| 10 | On-chip analysis of atmospheric ice-nucleating particles in continuous flow. <i>Lab on A Chip</i> , 2020, 20, 2889-2910. | 6.0 | 24 |
| 11 | 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. | 3.3 | 14 |
| 12 | Homogeneous Freezing of Water Using Microfluidics. <i>Micromachines</i> , 2021, 12, 223. | 2.9 | 9 |
| 13 | On-chip pressure measurements and channel deformation after oil absorption. <i>SN Applied Sciences</i> , 2020, 2, 1. | 2.9 | 6 |
| 14 | On-chip density-based sorting of supercooled droplets and frozen droplets in continuous flow. <i>Lab on A Chip</i> , 2020, 20, 3876-3887. | 6.0 | 5 |
| 15 | Rotatable microfluidic device for simultaneous study of bilateral chemosensory neurons in <i>Caenorhabditis elegans</i> . <i>Microfluidics and Nanofluidics</i> , 2020, 24, 1. | 2.2 | 4 |