

Yu, Miao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5215349/publications.pdf>

Version: 2024-02-01

16
papers

875
citations

932766

10
h-index

996533

15
g-index

18
all docs

18
docs citations

18
times ranked

1274
citing authors

#	ARTICLE	IF	CITATIONS
1	Recurrent Filmwise and Dropwise Condensation on a Beetle Mimetic Surface. <i>ACS Nano</i> , 2015, 9, 71-81.	7.3	436
2	Tunable Water Harvesting Surfaces Consisting of Biphilic Nanoscale Topography. <i>ACS Nano</i> , 2018, 12, 11022-11030.	7.3	111
3	Suppressing Ice Nucleation of Supercooled Condensate with Biphilic Topography. <i>Physical Review Letters</i> , 2018, 120, 075902.	2.9	84
4	Controllable Formation of Monodisperse Polymer Microbubbles as Ultrasound Contrast Agents. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 14312-14320.	4.0	40
5	Modeling and optimization of condensation heat transfer at biphilic interface. <i>International Journal of Heat and Mass Transfer</i> , 2018, 122, 117-127.	2.5	37
6	Regulating the Membrane Transport Activity and Death of Cells via Electroosmotic Manipulation. <i>Biophysical Journal</i> , 2016, 110, 2769-2778.	0.2	29
7	Microfluidic production of nanoscale perfluorocarbon droplets as liquid contrast agents for ultrasound imaging. <i>Lab on A Chip</i> , 2017, 17, 3504-3513.	3.1	27
8	High aspect ratio induced spontaneous generation of monodisperse picolitre droplets for digital PCR. <i>Biomicrofluidics</i> , 2018, 12, 014103.	1.2	25
9	An on-demand nanofluidic concentrator. <i>Lab on A Chip</i> , 2015, 15, 1524-1532.	3.1	22
10	Facile formation of a microporous chitosan hydrogel based on self-crosslinking. <i>Journal of Materials Chemistry B</i> , 2017, 5, 9291-9299.	2.9	20
11	Tunable Confinement for Bridging Single-Cell Manipulation and Single-Molecule DNA Linearization. <i>Small</i> , 2018, 14, e1800229.	5.2	11
12	Filmwise-to-Dropwise Condensation Transition Enabled by Patterned High Wetting Contrast. <i>Journal of Heat Transfer</i> , 2015, 137, .	1.2	9
13	Miura's Metastructure Enhanced Conductive Elastomers. <i>Advanced Materials Technologies</i> , 2020, 5, 2000249.	3.0	8
14	There is plenty of room in protein-RNA condensates. <i>Biophysical Journal</i> , 2021, 120, 1121-1122.	0.2	5
15	Phase Separation Comes of Age: From Phenomenology to Single Molecules. <i>Molecular Cell</i> , 2019, 74, 413-415.	4.5	2
16	Miura's Metastructures: Miura's Metastructure Enhanced Conductive Elastomers (<i>Adv. Mater.</i>)	3.9	0