

Youmin Hou

List of Publications by Year in descending order

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16
papers

1,105
citations

933447

10
h-index

996975

15
g-index

17
all docs

17
docs citations

17
times ranked

1567
citing authors

#	ARTICLE	IF	CITATIONS
1	Heat transfer enhancement by sinusoidal wavy tape insert in two-pass ribbed channels. <i>Thermal Science</i> , 2022, 26, 4657-4668.	1.1	2
2	Tunable Confinement for Bridging Single-Cell Manipulation and Single-Molecule DNA Linearization. <i>Small</i> , 2018, 14, e1800229.	10.0	11
3	Controllable Formation of Monodisperse Polymer Microbubbles as Ultrasound Contrast Agents. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 14312-14320.	8.0	40
4	Suppressing Ice Nucleation of Supercooled Condensate with Biphilic Topography. <i>Physical Review Letters</i> , 2018, 120, 075902.	7.8	84
5	Modeling and optimization of condensation heat transfer at biphilic interface. <i>International Journal of Heat and Mass Transfer</i> , 2018, 122, 117-127.	4.8	37
6	High aspect ratio induced spontaneous generation of monodisperse picolitre droplets for digital PCR. <i>Biomicrofluidics</i> , 2018, 12, 014103.	2.4	25
7	Tunable Water Harvesting Surfaces Consisting of Biphilic Nanoscale Topography. <i>ACS Nano</i> , 2018, 12, 11022-11030.	14.6	111
8	Microfluidic production of nanoscale perfluorocarbon droplets as liquid contrast agents for ultrasound imaging. <i>Lab on A Chip</i> , 2017, 17, 3504-3513.	6.0	27
9	Biomimetic Surfaces for Enhanced Dropwise Condensation Heat Transfer: Mimic Nature and Transcend Nature. , 2016, , 185-228.		1
10	Directional transport of high-temperature Janus droplets mediated by structural topography. <i>Nature Physics</i> , 2016, 12, 606-612.	16.7	263
11	Filmwise-to-Dropwise Condensation Transition Enabled by Patterned High Wetting Contrast. <i>Journal of Heat Transfer</i> , 2015, 137, .	2.1	9
12	An on-demand nanofluidic concentrator. <i>Lab on A Chip</i> , 2015, 15, 1524-1532.	6.0	22
13	In Vitro Epithelial Organoid Generation Induced by Substrate Nanotopography. <i>Scientific Reports</i> , 2015, 5, 9293.	3.3	23
14	Recurrent Filmwise and Dropwise Condensation on a Beetle Mimetic Surface. <i>ACS Nano</i> , 2015, 9, 71-81.	14.6	436
15	Numerical simulation of a new hollow stationary dehumidity blade in last stage of steam turbine. <i>Frontiers in Energy</i> , 2011, 5, 288.	2.3	2
16	Numerical Simulation of Water Droplets Deposition on the Last-Stage Stationary Blade of Steam Turbine. <i>Energy and Power Engineering</i> , 2010, 02, 248-253.	0.8	10