

# Youmin Hou

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12522/publications.pdf>

Version: 2024-02-01

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