

Hongxia Li

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

26

papers

1,228

citations

11

h-index

31

g-index

31

ext. papers

1,555

ext. citations

10

avg, IF

4.65

L-index

#	Paper	IF	Citations
26	Direct solar vapor generation with micro-3D printed hydrogel device. <i>EcoMat</i> , 2022 , 4,	9.4	1
25	Biomimetic on-chip filtration enabled by direct micro-3D printing on membrane.. <i>Scientific Reports</i> , 2022 , 12, 8178	4.9	
24	Pore-Scale Study on Interfacial Force-Induced Residue Mobilization under Immiscible Ternary Fluids Flow. <i>International Journal of Multiphase Flow</i> , 2021 , 147, 103913	3.6	1
23	Enhanced Liquid Propagation and Wicking Along Nanostructured Porous Surfaces. <i>Advanced Engineering Materials</i> , 2021 , 23, 2100118	3.5	1
22	Impact of PEGDA photopolymerization in micro-stereolithography on 3D printed hydrogel structure and swelling. <i>Soft Matter</i> , 2021 , 17, 7188-7195	3.6	4
21	Designing a next generation solar crystallizer for real seawater brine treatment with zero liquid discharge. <i>Nature Communications</i> , 2021 , 12, 998	17.4	42
20	Refractory Ultrathin Nanocomposite Solar Absorber with Superior Spectral Selectivity and Thermal Stability. <i>Advanced Optical Materials</i> , 2020 , 8, 2000679	8.1	6
19	Empowering microfluidics by micro-3D printing and solution-based mineral coating. <i>Soft Matter</i> , 2020 , 16, 6841-6849	3.6	4
18	Condensation of Satellite Droplets on Lubricant-Cloaked Droplets. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 22246-22255	9.5	14
17	Imaging and characterizing fluid invasion in micro-3D printed porous devices with variable surface wettability. <i>Soft Matter</i> , 2019 , 15, 6978-6987	3.6	16
16	Enhancement of Interfacial Solar Vapor Generation by Environmental Energy. <i>Joule</i> , 2018 , 2, 1331-1338	27.8	301
15	Novel Receiver-Enhanced Solar Vapor Generation: Review and Perspectives. <i>Energies</i> , 2018 , 11, 253	3.1	43
14	Imaging micro-scale multiphase flow in 3D-printed porous micromodels 2018 ,		2
13	Directional Passive Transport of Microdroplets in Oil-Infused Diverging Channels for Effective Condensate Removal. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 20910-20919	9.5	17
12	Direct Prediction of Calcite Surface Wettability with First-Principles Quantum Simulation. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 5309-5316	6.4	24
11	Insights into the Impact of Surface Hydrophobicity on Droplet Coalescence and Jumping Dynamics. <i>Langmuir</i> , 2017 , 33, 8574-8581	4	28
10	A novel approach to the analysis of squeezed-film air damping in microelectromechanical systems. <i>Journal of Micromechanics and Microengineering</i> , 2017 , 27, 015012	2	9

9	Numerical and Theoretical Analysis of Heat Transfer, Pressure Drop, and Fouling in Internal Helically Ribbed Tubes of Different Geometries. <i>Heat Transfer Engineering</i> , 2016 , 37, 279-289	1.7	11
8	Steam generation under one sun enabled by a floating structure with thermal concentration. <i>Nature Energy</i> , 2016 , 1,	62.3	650
7	Pore-Scale Experimental and Numerical Study on Permeability Characterization of Abu Dhabi Offshore Carbonate Micromodel 2016 ,		1
6	Prediction of thin liquid film evaporation characteristics with a thermal lattice boltzmann method 2016 ,		1
5	Characteristics of Jumping Droplet-Enhanced Condensation on Nanostructured Micromesh Surface 2016 ,		2
4	Effect of Surface Wettability and Gas/Liquid Velocity Ratio on Microscale Two-Phase Flow Patterns 2016 ,		2
3	Unidirectional Fast Growth and Forced Jumping of Stretched Droplets on Nanostructured Microporous Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 21776-86	9.5	45
2	Pore-Scale Lattice Boltzmann Simulation of Oil-Water Flow in Carbonate Rock with Variable Wettability 2015 ,		2
1	Lattice Boltzmann Simulation of Rarefied Gas Flow Along Moving Rigid Objects in Micro-Cavities 2015 ,		1