Zhiping Yuan

List of Publications by Year
in descending order

18	387	687220 13	887953 17
papers	citations	h-index	g-index

19	19	19	209
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Relationship between condensed droplet coalescence and surface wettability. International Journal of Heat and Mass Transfer, 2017, 111, 836-841.	2.5	45
2	Energy analysis of droplet jumping induced by multi-droplet coalescence: The influences of droplet number and droplet location. International Journal of Heat and Mass Transfer, 2018, 121, 315-320.	2.5	44
3	Off-centered droplet impact on single-ridge superhydrophobic surfaces. Experimental Thermal and Fluid Science, 2021, 120, 110245.	1.5	42
4	Ultimate jumping of coalesced droplets on superhydrophobic surfaces. Journal of Colloid and Interface Science, 2021, 587, 429-436.	5.0	33
5	Enhanced and guided self-propelled jumping on the superhydrophobic surfaces with macrotexture. Applied Physics Letters, 2019, 115, .	1.5	31
6	Numerical simulations of multi-hop jumping on superhydrophobic surfaces. International Journal of Heat and Mass Transfer, 2019, 135, 345-353.	2.5	29
7	Axial spreading of droplet impact on ridged superhydrophobic surfaces. Journal of Colloid and Interface Science, 2021, 599, 130-139.	5.0	27
8	Numerical simulations of guided self-propelled jumping of droplets on a wettability gradient surface. Applied Thermal Engineering, 2019, 156, 524-530.	3.0	23
9	Effects of the surface tension gradient and viscosity on coalescence-induced droplet jumping on superamphiphobic surfaces. Physics of Fluids, 2021, 33, .	1.6	21
10	The Effect of the Initial State of the Droplet Group on the Energy Conversion Efficiency of Self-Propelled Jumping. Langmuir, 2019, 35, 16037-16042.	1.6	19
11	Rotation of a rebounding-coalescing droplet on a superhydrophobic surface. Physics of Fluids, 2019, 31, 062109.	1.6	17
12	Flexible and efficient regulation of coalescence-induced droplet jumping on superhydrophobic surfaces with string. Applied Physics Letters, 2021, 118, .	1.5	15
13	Controlling the Jumping Angle of Coalescing Droplets Using Surface Structures. ACS Applied Materials & Interfaces, 2020, 12, 52221-52228.	4.0	14
14	Event-driven Simulation of Multi-scale Dropwise Condensation. International Journal of Heat and Mass Transfer, 2021, 167, 120819.	2.5	11
15	Liquid metal slingshot. Physical Review Fluids, 2020, 5, .	1.0	9
16	The prediction of energy conversion during the self-propelled jumping of multidroplets based on convolutional neural networks. Physics of Fluids, 2022, 34, .	1.6	6
17	The effect of microstructure on self-propelled droplet jumping. E3S Web of Conferences, 2019, 128, 06006.	0.2	1
18	Numerical Simulation of the Coupling Effect Between a Buoyancy Bubble and a Free Surface by Front Tracking Method. Journal of Computational and Theoretical Nanoscience, 2015, 12, 5920-5927.	0.4	0