Patricia B Weisensee

List of Publications by Year
in descending order

24 papers	711 citations	686830 13 h-index	676716 22 g-index
24 all docs	24 docs citations	24 times ranked	983 citing authors

#	Article	IF	Citations
1	Low Weber number droplet impact on heated hydrophobic surfaces. Experimental Thermal and Fluid Science, 2022, 130, 110503.	1.5	19
2	Thermal considerations for microswimmer trap-and-release using standing surface acoustic waves. Lab on A Chip, 2021, 21, 2534-2543.	3.1	9
3	Two-Binary-Interaction-Parameter Model for Molecular Solute + Ionic Liquid Solution. Industrial & Engineering Chemistry Research, 2021, 60, 11490-11501.	1.8	4
4	Enhanced Water Nucleation and Growth Based on Microdroplet Mobility on Lubricant-Infused Surfaces. Langmuir, 2021, 37, 12790-12801.	1.6	11
5	Protection levels of N95-level respirator substitutes proposed during the COVID-19 pandemic: safety concerns and quantitative evaluation procedures. BMJ Open, 2021, 11, e045557.	0.8	1
6	Protection levels of N95-level respirator substitutes proposed during the COVID-19 pandemic: safety concerns and quantitative evaluation procedures. BMJ Open, 2021, 11, e045557.	0.8	2
7	Heat transfer and melt dynamics of millimetric ice particles impacting a heated water bath. International Journal of Heat and Mass Transfer, 2020, 146, 118830.	2.5	4
8	Dynamic wetting and heat transfer during droplet impact on bi-phobic wettability-patterned surfaces. Physics of Fluids, 2020, 32, .	1.6	32
9	A composite phase change material thermal buffer based on porous metal foam and low-melting-temperature metal alloy. Applied Physics Letters, 2020, 116, .	1.5	31
10	Evolution of Heat Transfer in Pool Boiling in Contaminated Water. , 2020, , .		0
11	Microdroplet self-propulsion during dropwise condensation on lubricant-infused surfaces. Soft Matter, 2019, 15, 4808-4817.	1.2	48
12	Evaporation of Sessile Water Droplets on Horizontal and Vertical Biphobic Patterned Surfaces. Langmuir, 2019, 35, 17185-17192.	1.6	30
13	Controlling the Contact Times of Bouncing Droplets: Droplet Impact on Vibrating Surfaces. Journal of Heat Transfer, 2018, 140, .	1.2	2
14	Millimeter-scale liquid metal droplet thermal switch. Applied Physics Letters, 2018, 112, .	1.5	44
15	Springboard Droplet Bouncing on Flexible Superhydrophobic Substrates. Journal of Heat Transfer, 2017, 139, .	1.2	4
16	Condensate droplet size distribution on lubricant-infused surfaces. International Journal of Heat and Mass Transfer, 2017, 109, 187-199.	2.5	123
17	Droplet impact on vibrating superhydrophobic surfaces. Physical Review Fluids, 2017, 2, .	1.0	41
18	Water droplet impact on elastic superhydrophobic surfaces. Scientific Reports, 2016, 6, 30328.	1.6	128

#	Article	IF	Citations
19	Impact of air and water vapor environments on the hydrophobicity of surfaces. Journal of Colloid and Interface Science, 2015, 453, 177-185.	5.0	12
20	Spray-on omniphobic ZnO coatings. RSC Advances, 2015, 5, 69243-69250.	1.7	28
21	Experimental investigation of steam bubble condensation in vertical large diameter geometry under atmospheric pressure and different flow conditions. International Journal of Heat and Mass Transfer, 2014, 70, 918-929.	2.5	55
22	Hydrophobic and oleophobic re-entrant steel microstructures fabricated using micro electrical discharge machining. Journal of Micromechanics and Microengineering, 2014, 24, 095020.	1.5	46
23	Effect of ion irradiation on the thermal conductivity of UO2 and U3O8 epitaxial layers. Journal of Nuclear Materials, 2013, 443, 212-217.	1.3	37
24	Experimental Investigation of Steam Bubble Condensation in Flowing Subcooled Water With Two Different Injection Nozzle Geometries. , 2013, , .		0