Kyle L Wilke

List of Publications by Year
in descending order

15	847	933264 10	996849 15
papers	citations	h-index	g-index

15	15	15	884
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ultrahigh-efficiency desalination via a thermally-localized multistage solar still. Energy and Environmental Science, 2020, 13, 830-839.	15.6	317
2	Heat Transfer Enhancement During Water and Hydrocarbon Condensation on Lubricant Infused Surfaces. Scientific Reports, 2018, 8, 540.	1.6	111
3	A unified relationship for evaporation kinetics at low Mach numbers. Nature Communications, 2019, 10, 2368.	5.8	73
4	Toward Condensation-Resistant Omniphobic Surfaces. ACS Nano, 2018, 12, 11013-11021.	7.3	62
5	An Ultrathin Nanoporous Membrane Evaporator. Nano Letters, 2017, 17, 6217-6220.	4.5	60
6	Parametric study of thin film evaporation from nanoporous membranes. Applied Physics Letters, 2017, 111, .	1.5	53
7	Polymer Infused Porous Surfaces for Robust, Thermally Conductive, Self-Healing Coatings for Dropwise Condensation. ACS Nano, 2020, 14, 14878-14886.	7.3	46
8	Gravitationally Driven Wicking for Enhanced Condensation Heat Transfer. Langmuir, 2018, 34, 4658-4664.	1.6	42
9	Multiscale Dynamic Growth and Energy Transport of Droplets during Condensation. Langmuir, 2018, 34, 9085-9095.	1.6	29
10	Nucleation Site Distribution Probed by Phase-Enhanced Environmental Scanning Electron Microscopy. Cell Reports Physical Science, 2020, 1, 100262.	2.8	13
11	Enhanced Environmental Scanning Electron Microscopy Using Phase Reconstruction and Its Application in Condensation. ACS Nano, 2019, 13, 1953-1960.	7.3	11
12	Turning traditionally nonwetting surfaces wetting for even ultra-high surface energy liquids. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	10
13	Controlled Wetting in Nanoporous Membranes for Thin Film Evaporation. Journal of Heat Transfer, 2016, 138, .	1.2	9
14	Jumping droplet condensation in internal convective vapor flow. International Journal of Heat and Mass Transfer, 2020, 163, 120398.	2.5	9
15	Quasiâ€Newtonian Environmental Scanning Electron Microscopy (QNâ€ESEM) for Monitoring Material Dynamics in Highâ€Pressure Gaseous Environments. Advanced Science, 2020, 7, 2001268.	5.6	2