

Wenwen Lei

List of Publications by Year in descending order

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Version: 2024-02-01

8
papers

97
citations

1477746
6
h-index

1719596
7
g-index

8
all docs

8
docs citations

8
times ranked

154
citing authors

#	ARTICLE	IF	CITATIONS
1	The physics of confined flow and its application to water leaks, water permeation and water nanoflows: a review. Reports on Progress in Physics, 2016, 79, 025901.	8.1	33
2	Enhanced Water Vapor Flow in Silica Microchannels: The Effect of Adsorbed Water on Tangential Momentum Accommodation. Journal of Physical Chemistry C, 2015, 119, 22072-22079.	1.5	17
3	Science of Water Leaks: Validated Theory for Moisture Flow in Microchannels and Nanochannels. Langmuir, 2015, 31, 11740-11747.	1.6	14
4	Nanoscale Capillary Flows in Alumina: Testing the Limits of Classical Theory. Journal of Physical Chemistry Letters, 2016, 7, 2647-2652.	2.1	13
5	Revisiting Maxwell's accommodation coefficient: A study of nitrogen flow in a silica microtube across all flow regimes. Annals of Physics, 2014, 351, 828-836.	1.0	8
6	Quantifying Moisture Penetration in Encapsulated Devices by Heavy Water Mass Spectrometry: A Standard Moisture Leak Using Poly(ether-ether-ketone). ACS Applied Materials & Interfaces, 2021, 13, 13666-13675.	4.0	7
7	Laser fabrication of electrical feedthroughs in polymer encapsulations for active implantable medical devices. Medical Engineering and Physics, 2017, 42, 105-110.	0.8	5
8	Enhanced water vapour flow in silica microchannels and interdiffusive water vapour flow through anodic aluminium oxide (AAO) membranes. Proceedings of SPIE, 2015, , .	0.8	0