

Huanshu Tan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3580422/publications.pdf>

Version: 2024-02-01

17
papers

703
citations

758635

12
h-index

887659

17
g-index

17
all docs

17
docs citations

17
times ranked

673
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaporation-triggered microdroplet nucleation and the four life phases of an evaporating Ouzo drop. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 8642-8647.	3.3	138
2	Evaporating pure, binary and ternary droplets: thermal effects and axial symmetry breaking. Journal of Fluid Mechanics, 2017, 823, 470-497.	1.4	126
3	Formation of surface nanodroplets under controlled flow conditions. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9253-9257.	3.3	113
4	Evaporation-Triggered Segregation of Sessile Binary Droplets. Physical Review Letters, 2018, 120, 224501.	2.9	63
5	Porous supraparticle assembly through self-lubricating evaporating colloidal ouzo drops. Nature Communications, 2019, 10, 478.	5.8	61
6	Self-wrapping of an ouzo drop induced by evaporation on a superamphiphobic surface. Soft Matter, 2017, 13, 2749-2759.	1.2	47
7	Time-Resolved In Situ Liquid-Phase Atomic Force Microscopy and Infrared Nanospectroscopy during the Formation of Metal-Organic Framework Thin Films. Journal of Physical Chemistry Letters, 2018, 9, 1838-1844.	2.1	26
8	Particle Size Determines the Shape of Supraparticles in Self-Lubricating Ternary Droplets. ACS Nano, 2021, 15, 4256-4267.	7.3	26
9	Microdroplet nucleation by dissolution of a multicomponent drop in a host liquid. Journal of Fluid Mechanics, 2019, 870, 217-246.	1.4	22
10	On explosive boiling of a multicomponent Leidenfrost drop. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	19
11	A two-step strategy for delivering particles to targets hidden within microfabricated porous media. Science Advances, 2021, 7, .	4.7	16
12	Entrapment and Dissolution of Microbubbles Inside Microwells. Langmuir, 2018, 34, 10659-10667.	1.6	15
13	How a Surface Nanodroplet Sits on the Rim of a Microcap. Langmuir, 2016, 32, 5744-5754.	1.6	8
14	Drop-in additives for suspension manipulation: Colloidal motion induced by sedimenting soluto-inertial beacons. Physical Review Fluids, 2020, 5, .	1.0	7
15	Hilbert statistics of vorticity scaling in two-dimensional turbulence. Physics of Fluids, 2014, 26, 015106.	1.6	6
16	3D spherical-cap fitting procedure for (truncated) sessile nano- and micro-droplets & -bubbles. European Physical Journal E, 2016, 39, 106.	0.7	5
17	Temperature dependence of diffusiophoresis via a novel microfluidic approach. Lab on A Chip, 2022, 22, 1980-1988.	3.1	5