

Jan Breitenbach

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

569
citations

1040056

9
h-index

1199594

12
g-index

13
all docs

13
docs citations

13
times ranked

343
citing authors

#	ARTICLE	IF	CITATIONS
1	From drop impact physics to spray cooling models: a critical review. Experiments in Fluids, 2018, 59, 1.	2.4	185
2	Heat transfer in the film boiling regime: Single drop impact and spray cooling. International Journal of Heat and Mass Transfer, 2017, 110, 34-42.	4.8	91
3	Thermal atomisation of a liquid drop after impact onto a hot substrate. Journal of Fluid Mechanics, 2018, 842, 87-101.	3.4	82
4	Heat transfer during simultaneous impact of two drops onto a hot solid substrate. International Journal of Heat and Mass Transfer, 2017, 113, 898-907.	4.8	44
5	Characterization of secondary droplets during thermal atomization regime. Experimental Thermal and Fluid Science, 2018, 98, 516-522.	2.7	44
6	Drop collision with a hot, dry solid substrate: Heat transfer during nucleate boiling. Physical Review Fluids, 2017, 2, .	2.5	41
7	On the influence of surface tension during the impact of particles on a liquid-gaseous interface. Physics of Fluids, 2016, 28, .	4.0	29
8	Magic carpet breakup of a drop impacting onto a heated surface in a depressurized environment. International Journal of Heat and Mass Transfer, 2019, 145, 118729.	4.8	19
9	Secondary atomization of water-in-oil emulsion drops impinging on a heated surface in the film boiling regime. International Journal of Heat and Mass Transfer, 2021, 165, 120672.	4.8	19
10	Thermosuperrepellency of a hot substrate caused by vapour percolation. Communications Physics, 2021, 4, .	5.3	10
11	Measurement of the Heat Flux During a Drop Impact onto a Hot Dry Solid Surface Using Infrared Thermal Imaging. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2020, , 553-562.	0.3	2
12	Experimental and numerical investigations of snow accretion.. , 2021, , .		1