

# Jan Breitenbach

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1771459/publications.pdf>

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  | 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        |
| 2  | Experimental and numerical investigations of snow accretion.. , 2021, , .  |     | 1         |
| 3  | Thermosuperrepellency of a hot substrate caused by vapour percolation. Communications Physics, 2021, 4, .  | 5.3 | 10        |
| 4  | 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         |
| 5  | 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        |
| 6  | Thermal atomisation of a liquid drop after impact onto a hot substrate. Journal of Fluid Mechanics, 2018, 842, 87-101.   | 3.4 | 82        |
| 7  | From drop impact physics to spray cooling models: a critical review. Experiments in Fluids, 2018, 59, 1.   | 2.4 | 185       |
| 8  | Characterization of secondary droplets during thermal atomization regime. Experimental Thermal and Fluid Science, 2018, 98, 516-522.   | 2.7 | 44        |
| 9  | 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        |
| 10 | 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        |
| 11 | Drop collision with a hot, dry solid substrate: Heat transfer during nucleate boiling. Physical Review Fluids, 2017, 2, .  | 2.5 | 41        |
| 12 | On the influence of surface tension during the impact of particles on a liquid-gaseous interface. Physics of Fluids, 2016, 28, .   | 4.0 | 29        |