Markus Schremb

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3634303/publications.pdf

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15	297	1163117 8	1199594 12
papers	citations	h-index	g-index

16	16	16	252
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Solidification of supercooled water in the vicinity of a solid wall. Physical Review E, 2016, 94, 052804.	2.1	56
2	Transient effects in ice nucleation of a water drop impacting onto a cold substrate. Physical Review E, 2017, 95, 022805.	2.1	52
3	Normal impact of supercooled water drops onto a smooth ice surface: experiments and modelling. Journal of Fluid Mechanics, 2018, 835, 1087-1107.	3.4	46
4	Ice Layer Spreading along a Solid Substrate during Solidification of Supercooled Water: Experiments and Modeling. Langmuir, 2017, 33, 4870-4877.	3.5	34
5	Computational modelling of flow and conjugate heat transfer of a drop impacting onto a cold wall. International Journal of Heat and Mass Transfer, 2017, 109, 971-980.	4.8	27
6	Electrohydrodynamic simulation of electrically controlled droplet generation. International Journal of Heat and Fluid Flow, 2017, 64, 120-128.	2.4	27
7	Supercooled Water Drops Do Not Freeze During Impact on Hybrid Janus Particle-Based Surfaces. Chemistry of Materials, 2019, 31, 112-123.	6.7	14
8	Numerical investigation of ice particle accretion on heated surfaces with application to aircraft engines. , 2014, , .		11
9	Ice particle impact on solid walls: Size modeling of reemited fragments. International Journal of Impact Engineering, 2022, 169, 104322.	5.0	8
10	Computational modeling of freezing of supercooled water using phase-field front propagation with immersed points. International Journal of Multiphase Flow, 2018, 99, 329-346.	3.4	6
11	Ice nucleation in high alternating electric fields: Effect of electric field strength and frequency. Physical Review E, 2021, 103, 012801.	2.1	4
12	Material Properties of Granular Ice Layers Characterized Using a Rigid-Body-Penetration Method: Experiments and Modeling. , 0, , .		4
13	Experimental methodology and procedure for SAPPHIRE: a Semi-automatic APParatus for High-voltage Ice nucleation REsearch. Atmospheric Measurement Techniques, 2021, 14, 223-238.	3.1	3
14	Ice nucleation forced by transient electric fields. Physical Review E, 2021, 104, 064801.	2.1	3
15	Ice Nucleation in the Presence of Electric Fields: An Experimental Study. , 0, , .		2