

Nasser Ashgriz

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

520
citations

623734

14
h-index

677142

22
g-index

25
all docs

25
docs citations

25
times ranked

619
citing authors

#	ARTICLE	IF	CITATIONS
1	DNA repair by Rad52 liquid droplets. Nature Communications, 2020, 11, 695.	12.8	103
2	Coalescence of two droplets impacting a solid surface. Experiments in Fluids, 2010, 48, 1025-1035.	2.4	53
3	A computational Lagrangian-Eulerian advection remap for free surface flows. International Journal for Numerical Methods in Fluids, 2004, 44, 1-32.	1.6	48
4	Modeling of Solution Droplet Evaporation and Particle Evolution in Droplet-to-Particle Spray Methods. Drying Technology, 2009, 27, 3-13.	3.1	42
5	On aerodynamic droplet breakup. Journal of Fluid Mechanics, 2021, 913, .	3.4	42
6	Effects of oxidant fluid properties on the mobility of water droplets in the channels of PEM fuel cell. International Journal of Energy Research, 2005, 29, 1027-1040.	4.5	28
7	Maximum Spread of Droplet on Solid Surface: Low Reynolds and Weber Numbers. Journal of Fluids Engineering, Transactions of the ASME, 2010, 132, .	1.5	28
8	Multiphase flow model to study channel flow dynamics of PEM fuel cells: deformation and detachment of water droplets. International Journal of Computational Fluid Dynamics, 2008, 22, 85-95.	1.2	27
9	Evaporation and Evolution of Suspended Solution Droplets at Atmospheric and Reduced Pressures. Drying Technology, 2007, 25, 999-1010.	3.1	17
10	Three-dimensional multiphase flow model to study channel flow dynamics of PEM fuel cells. International Journal of Energy Research, 2011, 35, 1188-1199.	4.5	16
11	Solidification contact angles of molten droplets deposited on solid surfaces. Journal of Materials Science, 2007, 42, 9511-9523.	3.7	15
12	Numerical simulation of condensate removal from gas channels of PEM fuel cells using corrugated walls. International Journal of Energy Research, 2018, 42, 1664-1676.	4.5	15
13	An improved three-dimensional model for interface pressure calculations in free-surface flows. International Journal of Computational Fluid Dynamics, 2007, 21, 87-97.	1.2	14
14	Prediction of the droplet size distribution in aerodynamic droplet breakup. Journal of Fluid Mechanics, 2022, 940, .	3.4	14
15	Contraction of free liquid ligaments. AIChE Journal, 2008, 54, 3084-3091.	3.6	10
16	Three dimensional numerical simulation of a full scale CANDU reactor moderator to study temperature fluctuations. Nuclear Engineering and Design, 2014, 266, 148-154.	1.7	9
17	Atomization of a liquid jet in a crossflow. AIP Conference Proceedings, 2012, , .	0.4	7
18	On Preparation of Non-Disrupted Particles by Spray Pyrolysis. Particle and Particle Systems Characterization, 2008, 25, 183-191.	2.3	6

#	ARTICLE	IF	CITATIONS
19	Effect of Reactor Ambient Pressure on the Morphology of Spray Dried Magnesium Sulphate Powders. Canadian Journal of Chemical Engineering, 2008, 84, 581-589.	1.7	6
20	Separation Criteria for Off-Axis Binary Drop Collisions. Journal of Fluids, 2015, 2015, 1-15.	1.4	6
21	Chaotic Shape and Translational Dynamics of 2D Incompressible Bubbles under Forced Vibration in Microgravity. Microgravity Science and Technology, 2012, 24, 39-51.	1.4	4
22	Adhesion of Wax Droplets to Porous Polymer Surfaces. Journal of Adhesion, 2015, 91, 538-555.	3.0	4
23	Temporal instability of a capillary jet with a source of mass. Physics of Fluids, 2005, 17, 112102.	4.0	3
24	Effects of a Coflowing Air on the Characteristics of an Electropray. Aerosol Science and Engineering, 2020, 4, 210-218.	1.9	3
25	Mechanism of the Initial States of a Bubble Formation and Departure from a Heated Surface in a Subcooled Flow. Nuclear Science and Engineering, 2021, 195, 648-663.	1.1	0