

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	Prediction of the droplet size distribution in aerodynamic droplet breakup. <i>Journal of Fluid Mechanics</i> , 2022, 940, .	3.4	14
2	Mechanism of the Initial States of a Bubble Formation and Departure from a Heated Surface in a Subcooled Flow. <i>Nuclear Science and Engineering</i> , 2021, 195, 648-663.	1.1	0
3	On aerodynamic droplet breakup. <i>Journal of Fluid Mechanics</i> , 2021, 913, .	3.4	42
4	Effects of a Coflowing Air on the Characteristics of an Electro spray. <i>Aerosol Science and Engineering</i> , 2020, 4, 210-218.	1.9	3
5	DNA repair by Rad52 liquid droplets. <i>Nature Communications</i> , 2020, 11, 695.	12.8	103
6	Numerical simulation of condensate removal from gas channels of PEM fuel cells using corrugated walls. <i>International Journal of Energy Research</i> , 2018, 42, 1664-1676.	4.5	15
7	Separation Criteria for Off-Axis Binary Drop Collisions. <i>Journal of Fluids</i> , 2015, 2015, 1-15.	1.4	6
8	Adhesion of Wax Droplets to Porous Polymer Surfaces. <i>Journal of Adhesion</i> , 2015, 91, 538-555.	3.0	4
9	Three dimensional numerical simulation of a full scale CANDU reactor moderator to study temperature fluctuations. <i>Nuclear Engineering and Design</i> , 2014, 266, 148-154.	1.7	9
10	Atomization of a liquid jet in a crossflow. <i>AIP Conference Proceedings</i> , 2012, , .	0.4	7
11	Chaotic Shape and Translational Dynamics of 2D Incompressible Bubbles under Forced Vibration in Microgravity. <i>Microgravity Science and Technology</i> , 2012, 24, 39-51.	1.4	4
12	Three-dimensional multiphase flow model to study channel flow dynamics of PEM fuel cells. <i>International Journal of Energy Research</i> , 2011, 35, 1188-1199.	4.5	16
13	Maximum Spread of Droplet on Solid Surface: Low Reynolds and Weber Numbers. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2010, 132, .	1.5	28
14	Coalescence of two droplets impacting a solid surface. <i>Experiments in Fluids</i> , 2010, 48, 1025-1035.	2.4	53
15	Modeling of Solution Droplet Evaporation and Particle Evolution in Droplet-to-Particle Spray Methods. <i>Drying Technology</i> , 2009, 27, 3-13.	3.1	42
16	On Preparation of Non-Disrupted Particles by Spray Pyrolysis. <i>Particle and Particle Systems Characterization</i> , 2008, 25, 183-191.	2.3	6
17	Effect of Reactor Ambient Pressure on the Morphology of Spray Dried Magnesium Sulphate Powders. <i>Canadian Journal of Chemical Engineering</i> , 2008, 84, 581-589.	1.7	6
18	Contraction of free liquid ligaments. <i>AIChE Journal</i> , 2008, 54, 3084-3091.	3.6	10

#	ARTICLE	IF	CITATIONS
19	Multiphase flow model to study channel flow dynamics of PEM fuel cells: deformation and detachment of water droplets. <i>International Journal of Computational Fluid Dynamics</i> , 2008, 22, 85-95.	1.2	27
20	Evaporation and Evolution of Suspended Solution Droplets at Atmospheric and Reduced Pressures. <i>Drying Technology</i> , 2007, 25, 999-1010.	3.1	17
21	An improved three-dimensional model for interface pressure calculations in free-surface flows. <i>International Journal of Computational Fluid Dynamics</i> , 2007, 21, 87-97.	1.2	14
22	Solidification contact angles of molten droplets deposited on solid surfaces. <i>Journal of Materials Science</i> , 2007, 42, 9511-9523.	3.7	15
23	Effects of oxidant fluid properties on the mobility of water droplets in the channels of PEM fuel cell. <i>International Journal of Energy Research</i> , 2005, 29, 1027-1040.	4.5	28
24	Temporal instability of a capillary jet with a source of mass. <i>Physics of Fluids</i> , 2005, 17, 112102.	4.0	3
25	A computational Lagrangian-Eulerian advection remap for free surface flows. <i>International Journal for Numerical Methods in Fluids</i> , 2004, 44, 1-32.	1.6	48