S Farshid Chini

List of Publications by Year
in descending order

20 papers	351 citations	840776 11 h-index	888059 17 g-index
21 all docs	21 docs citations	21 times ranked	389 citing authors

#	Article	IF	Citations
1	Ionic current magnetic fields in 3D finite-length nanopores and nanoslits. European Physical Journal Plus, 2022, 137, 312.	2.6	1
2	Icing of static and high-speed water droplets on superhydrophobic surface. Materials Letters, 2021, 285, 129048.	2.6	12
3	Corrosion properties and surface free energy of the Zn Al LDH/rGO coating on MAO pretreated AZ31 magnesium alloy. Surface and Coatings Technology, 2021, 426, 127764.	4.8	33
4	Liquid metal corrosion resistant LaPO4 coating with metallophobic characteristics fabricated on 316 stainless steel using electrophoretic deposition technique. Ceramics International, 2021, 48, 4563-4563.	4.8	1
5	A numerical study on the performance of a superhydrophobic coated very low head (VLH) axial hydraulic turbine using entropy generation method. Renewable Energy, 2020, 147, 409-422.	8.9	32
6	Vibration-enhanced condensation heat transfer on superhydrophobic surfaces: An experimental study. AIP Advances, 2020, 10, .	1.3	13
7	Numerical simulation of droplet impact on vibrating low-adhesion surfaces. Physics of Fluids, 2020, 32, .	4.0	18
8	Numerical investigation of vibration-induced droplet shedding on smooth surfaces with large contact angles. Physical Review E, 2019, 100, 023105.	2.1	14
9	Effect of Wind Flow and Solar Radiation on Functionality of Water Evaporation Suppression Monolayers. Water Resources Management, 2019, 33, 3513-3522.	3.9	9
10	Numerical investigation of vibration-induced droplet shedding on microstructured superhydrophobic surfaces. Physical Review E, 2019, 99, 063111.	2.1	6
11	Coalescence-induced droplet detachment on low-adhesion surfaces: A three-phase system study. Physical Review E, 2019, 99, 063102.	2.1	3
12	Investigation of 2D drop evaporation on a smooth and homogeneous surface using Lattice Boltzmann method. International Communications in Heat and Mass Transfer, 2017, 89, 64-72.	5.6	4
13	Resolving an ostensible inconsistency in calculating the evaporation rate of sessile drops. Advances in Colloid and Interface Science, 2017, 243, 121-128.	14.7	14
14	A methodology to determine the adhesion force of arbitrarily shaped drops with convex contact lines. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 436, 425-433.	4.7	23
15	Understanding the evaporation of spherical drops in quiescent environment. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 432, 82-88.	4.7	19
16	Collapse of patterns with various geometries during drying in photolithography: numerical study. Journal of Micro/ Nanolithography, MEMS, and MOEMS, 2012, 11, 033003.	0.9	4
17	A method for measuring contact angle of asymmetric and symmetric drops. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 388, 29-37.	4.7	67
18	A Finite Element Model for Predicting the Collapse of Short and Large Two-Line Patterns During Drying Process in Photolithography. , 2010, , .		0

#	Article	IF	Citations
19	Understanding Pattern Collapse in Photolithography Process Due to Capillary Forces. Langmuir, 2010, 26, 13707-13714.	3.5	72
20	Cavitation Detection of a Centrifugal Pump Using Noise Spectrum. , 2005, , 13.		5