S Farshid Chini

List of Publications by Year
in descending order

20	351	840776 11	888059 17
papers	citations	h-index	g-index

21	21	21	389
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Understanding Pattern Collapse in Photolithography Process Due to Capillary Forces. Langmuir, 2010, 26, 13707-13714.	3.5	72
2	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
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	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
5	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
6	Understanding the evaporation of spherical drops in quiescent environment. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 432, 82-88.	4.7	19
7	Numerical simulation of droplet impact on vibrating low-adhesion surfaces. Physics of Fluids, 2020, 32, .	4.0	18
8	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
9	Numerical investigation of vibration-induced droplet shedding on smooth surfaces with large contact angles. Physical Review E, 2019, 100, 023105.	2.1	14
10	Vibration-enhanced condensation heat transfer on superhydrophobic surfaces: An experimental study. AIP Advances, 2020, 10, .	1.3	13
11	Icing of static and high-speed water droplets on superhydrophobic surface. Materials Letters, 2021, 285, 129048.	2.6	12
12	Effect of Wind Flow and Solar Radiation on Functionality of Water Evaporation Suppression Monolayers. Water Resources Management, 2019, 33, 3513-3522.	3.9	9
13	Numerical investigation of vibration-induced droplet shedding on microstructured superhydrophobic surfaces. Physical Review E, 2019, 99, 063111.	2.1	6
14	Cavitation Detection of a Centrifugal Pump Using Noise Spectrum. , 2005, , 13.		5
15	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
16	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
17	Coalescence-induced droplet detachment on low-adhesion surfaces: A three-phase system study. Physical Review E, 2019, 99, 063102.	2.1	3
18	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

#	Article	IF	Citations
19	Ionic current magnetic fields in 3D finite-length nanopores and nanoslits. European Physical Journal Plus, 2022, 137, 312.	2.6	1
20	A Finite Element Model for Predicting the Collapse of Short and Large Two-Line Patterns During Drying Process in Photolithography. , 2010, , .		0