

# Hossein Alijani

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

266  
citations

1163117

8  
h-index

1125743

13  
g-index

17  
all docs

17  
docs citations

17  
times ranked

175  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of design and operating parameters on the thermal performance of aluminum flat grooved heat pipes. Applied Thermal Engineering, 2018, 132, 174-187.	6.0	54
2	Acoustomicrofluidic Synthesis of Pristine Ultrathin Ti <sub>3</sub> C <sub>2</sub> T <sub>z</sub> MXene Nanosheets and Quantum Dots. ACS Nano, 2021, 15, 12099-12108.	14.6	46
3	A new approach to thin film evaporation modeling. International Journal of Heat and Mass Transfer, 2016, 101, 742-748.	4.8	41
4	Two-dimensional computational modeling of thin film evaporation. International Journal of Thermal Sciences, 2017, 121, 237-248.	4.9	28
5	Experimental Thermal Performance Characterization of Flat Grooved Heat Pipes. Heat Transfer Engineering, 2019, 40, 784-793.	1.9	25
6	The effects of baffle configuration and number on inertial mixing in a curved serpentine micromixer: Experimental and numerical study. Chemical Engineering Research and Design, 2021, 168, 490-498.	5.6	21
7	Inertial Micromixing in Curved Serpentine Micromixers with Different Curve Angles. Fluids, 2019, 4, 204.	1.7	12
8	The effect of disjoining pressure on the shape of condensing films in a fin-groove corner. International Journal of Thermal Sciences, 2019, 142, 357-365.	4.9	10
9	Interplay of transport mechanisms during the evaporation of a pinned sessile water droplet. Physical Review Fluids, 2021, 6, .	2.5	7
10	Heat transfer effects on the stability of low speed plane Couette-Poiseuille flow. Heat and Mass Transfer, 2007, 43, 1317-1328.	2.1	6
11	Microparticle Inertial Focusing in an Asymmetric Curved Microchannel. Fluids, 2018, 3, 57.	1.7	6
12	Limitations of Matching Condensing Film Profile on a Micro Fin with the Groove: Critical Effect of Disjoining Pressure. Nanoscale and Microscale Thermophysical Engineering, 2019, 23, 289-303.	2.6	4
13	HIZLI VE Ã–NGÃ–RÃœ ISI BORUSU TASARIM VE ANALÃZ ARACI: H-PAT. Isi Bilimi Ve Teknigi Dergisi/ Journal of Thermal Science and Technology, 2022, 42, 141-156.	0.6	3
14	Three-dimensional grain design optimization of solid rocket motors. , 2015, , .		2
15	An ISFET Sensor-Integrated Micromixer for pH Measurements. , 2020, , .		1
16	The effect of surface morphology on the rate of phase change of micron and sub-micron sized 2-D droplets. Nanoscale and Microscale Thermophysical Engineering, 2020, 24, 184-200.	2.6	0
17	Performance of a flat grooved heat pipe with a localized heat load. E3S Web of Conferences, 2021, 321, 04010.	0.5	0