

# Davoud Jafari

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9045782/publications.pdf>

Version: 2024-02-01

18  
papers

1,099  
citations

840776

11  
h-index

996975

15  
g-index

18  
all docs

18  
docs citations

18  
times ranked

804  
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-phase closed thermosyphons: A review of studies and solar applications. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 53, 575-593.	16.4	221
2	Wire and arc additive manufacturing: Opportunities and challenges to control the quality and accuracy of manufactured parts. <i>Materials and Design</i> , 2021, 202, 109471.	7.0	207
3	The utilization of selective laser melting technology on heat transfer devices for thermal energy conversion applications: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 91, 420-442.	16.4	183
4	Metal 3D-printed wick structures for heat pipe application: Capillary performance analysis. <i>Applied Thermal Engineering</i> , 2018, 143, 403-414.	6.0	101
5	Unsteady experimental and numerical analysis of a two-phase closed thermosyphon at different filling ratios. <i>Experimental Thermal and Fluid Science</i> , 2017, 81, 164-174.	2.7	89
6	Mixing enhancement in a passive micromixer with convergent-divergent sinusoidal microchannels and different ratio of amplitude to wave length. <i>Computers and Fluids</i> , 2014, 105, 82-90.	2.5	81
7	Design for Additive Manufacturing: Automated Build Orientation Selection and Optimization. <i>Procedia CIRP</i> , 2016, 55, 128-133.	1.9	67
8	An experimental investigation on the evaporation and condensation heat transfer of two-phase closed thermosyphons. <i>Experimental Thermal and Fluid Science</i> , 2017, 88, 111-123.	2.7	55
9	Integrated Design and Manufacturing of Flat Miniature Heat Pipes Using Printed Circuit Board Technology. <i>IEEE Transactions on Components and Packaging Technologies</i> , 2010, 33, 398-408.	1.3	22
10	An experimental investigation and optimization of screen mesh heat pipes for low-mid temperature applications. <i>Experimental Thermal and Fluid Science</i> , 2017, 84, 120-133.	2.7	16
11	Pulsed mode selective laser melting of porous structures: Structural and thermophysical characterization. <i>Additive Manufacturing</i> , 2020, 35, 101263.	3.0	16
12	Porous materials additively manufactured at low energy: Single-layer manufacturing and characterization. <i>Materials and Design</i> , 2020, 191, 108654.	7.0	13
13	Modelling and performance of heat pipes with long evaporator sections. <i>Heat and Mass Transfer</i> , 2017, 53, 3341-3351.	2.1	10
14	Theoretical analysis of screened heat pipes for medium and high temperature solar applications. <i>Journal of Physics: Conference Series</i> , 2014, 547, 012010.	0.4	8
15	Experimental Performance of a 3D-Printed Hybrid Heat Pipe-Thermosyphon for Cooling of Power Electronics. , 2018, , .		8
16	Design and experimental analysis of a screened heat pipe for solar applications. <i>Journal of Physics: Conference Series</i> , 2015, 655, 012022.	0.4	1
17	Pin Fin Heat Sink Optimization for Natural-Convection Cooling. , 2019, , .		1
18	Utilizing Additive Manufacturing to Enhance Two-Phase Heat Transfer Devices. , 2021, , .		0