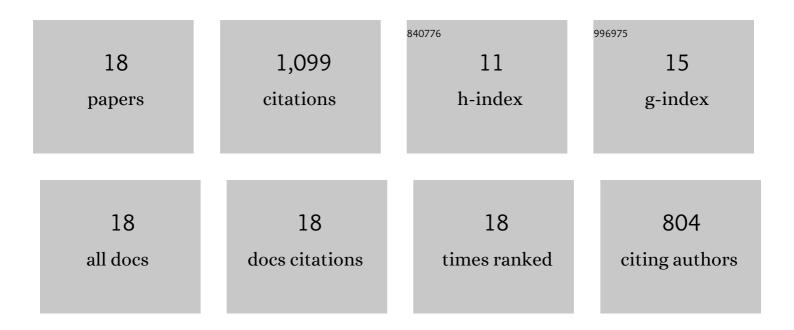
Davoud Jafari

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Two-phase closed thermosyphons: A review of studies and solar applications. Renewable and Sustainable Energy Reviews, 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. Materials and Design, 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. Renewable and Sustainable Energy Reviews, 2018, 91, 420-442.	16.4	183
4	Metal 3D-printed wick structures for heat pipe application: Capillary performance analysis. Applied Thermal Engineering, 2018, 143, 403-414.	6.0	101
5	Unsteady experimental and numerical analysis of a two-phase closed thermosyphon at different filling ratios. Experimental Thermal and Fluid Science, 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. Computers and Fluids, 2014, 105, 82-90.	2.5	81
7	Design for Additive Manufacturing: Automated Build Orientation Selection and Optimization. Procedia CIRP, 2016, 55, 128-133.	1.9	67
8	An experimental investigation on the evaporation and condensation heat transfer of two-phase closed thermosyphons. Experimental Thermal and Fluid Science, 2017, 88, 111-123.	2.7	55
9	Integrated Design and Manufacturing of Flat Miniature Heat Pipes Using Printed Circuit Board Technology. IEEE Transactions on Components and Packaging Technologies, 2010, 33, 398-408.	1.3	22
10	An experimental investigation and optimization of screen mesh heat pipes for low-mid temperature applications. Experimental Thermal and Fluid Science, 2017, 84, 120-133.	2.7	16
11	Pulsed mode selective laser melting of porous structures: Structural and thermophysical characterization. Additive Manufacturing, 2020, 35, 101263.	3.0	16
12	Porous materials additively manufactured at low energy: Single-layer manufacturing and characterization. Materials and Design, 2020, 191, 108654.	7.0	13
13	Modelling and performance of heat pipes with long evaporator sections. Heat and Mass Transfer, 2017, 53, 3341-3351.	2.1	10
14	Theoretical analysis of screened heat pipes for medium and high temperature solar applications. Journal of Physics: Conference Series, 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. Journal of Physics: Conference Series, 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

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