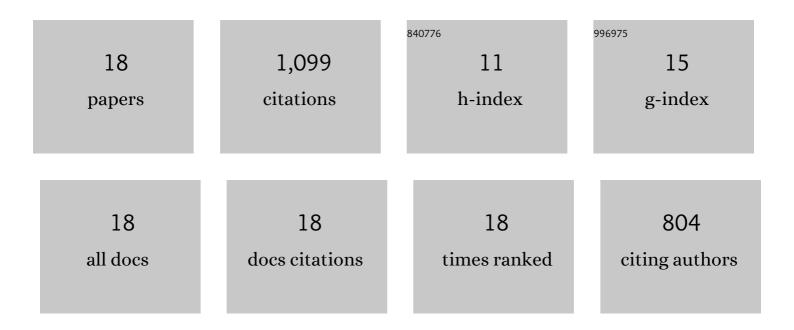
## Davoud Jafari

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<br>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<br>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<br>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.<br>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<br>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.<br>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<br>Electronics. , 2018, , .   |      | 8         |
| 16 | Design and experimental analysis of a screened heat pipe for solar applications. Journal of Physics:<br>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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