# Mohsen Mirzaei

List of Publications by Year
in descending order

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|---|---|---|---|
| 12<br>papers | 265<br>citations | 1478505<br>6<br>h-index | 1199594<br>12<br>g-index |
| 12<br>all docs | 12<br>docs citations | 12<br>times ranked | 343<br>citing authors |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 1 | Multi-objective optimization of shell-and-tube heat exchanger by constructal theory. Applied Thermal Engineering, 2017, 125, 9-19. | 6.0 | 88 |
| 2 | Assessment of Al2O3 nanoparticles for the optimal operation of the flat plate solar collector. Applied Thermal Engineering, 2018, 134, 68-77. | 6.0 | 61 |
| 3 | An automatic algorithm for determination of the nanoparticles from TEM images using circular hough transform. Micron, 2017, 96, 86-95. | 2.2 | 38 |
| 4 | Experimental investigation of CuO nanofluid in the thermal characteristics of a flat plate solar collector. Environmental Progress and Sustainable Energy, 2019, 38, 260-267. | 2.3 | 26 |
| 5 | Comparative analysis of energy yield of different tracking modes of PV systems in semiarid climate conditions: The case of Iran. Renewable Energy, 2018, 119, 400-409. | 8.9 | 15 |
| 6 | Neural network modelling for accurate prediction of thermal efficiency of a flat plate solar collector working with nanofluids. International Journal of Ambient Energy, 2021, 42, 227-237. | 2.5 | 8 |
| 7 | Assessment of image processing methods to characterize the precise shape of the jet head in the hypersonic jet flows. Flow Measurement and Instrumentation, 2018, 64, 142-154. | 2.0 | 7 |
| 8 | Assessment of the colloidal montmorillonite dispersion as a low-cost and eco-friendly nanofluid for improving thermal performance of plate heat exchanger. SN Applied Sciences, 2020, 2, 1. | 2.9 | 7 |
| 9 | A new image processing strategy for surface crack identification in building structures under nonâ€‌uniform illumination. IET Image Processing, 2022, 16, 407-415. | 2.5 | 6 |
| 10 | A new method of SC image processing for confluence estimation. Micron, 2017, 101, 206-212. | 2.2 | 4 |
| 11 | An experimental setup for visualizations and measurements on free hypersonic jets. EPJ Web of Conferences, 2012, 25, 01056. | 0.3 | 3 |
| 12 | Emulsified jet fuel flame characterization with image processing. Journal of the Energy Institute, 2019, 92, 567-577. | 5.3 | 2 |