

Arash Mirabdolah Lavasani

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

415
citations

933447

10
h-index

752698

20
g-index

22
all docs

22
docs citations

22
times ranked

286
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Experimental study of convective heat transfer from in-line cam shaped tube bank in crossflow. Applied Thermal Engineering, 2014, 65, 85-93. | 6.0 | 68 |
| 2 | 4E analyses of an innovative polygeneration system based on SOFC. Renewable Energy, 2020, 156, 986-1007. | 8.9 | 62 |
| 3 | Economic and thermodynamic evaluation of a new solid oxide fuel cell based polygeneration system. Energy, 2019, 175, 515-533. | 8.8 | 40 |
| 4 | Experimental study on the thermal performance of mechanical cooling tower with rotational splash type packing. Energy Conversion and Management, 2014, 87, 530-538. | 9.2 | 38 |
| 5 | Experimental study of thermal-hydraulic performance of cam-shaped tube bundle with staggered arrangement. Energy Conversion and Management, 2014, 85, 470-476. | 9.2 | 36 |
| 6 | Numerical study of pressure drop and heat transfer from circular and cam-shaped tube bank in cross-flow of nanofluid. Energy Conversion and Management, 2016, 129, 319-328. | 9.2 | 32 |
| 7 | Effect of dust concentration, wind speed, and relative humidity on the performance of photovoltaic panels in Tehran. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2023, 45, 7867-7877. | 2.3 | 22 |
| 8 | Two phase mixture model of nano-enhanced mixed convection heat transfer in finned enclosure. Chemical Engineering Research and Design, 2016, 111, 294-304. | 5.6 | 20 |
| 9 | Numerical analysis of effect of nanofluid and fin distribution density on thermal and hydraulic performance of a heat sink with drop-shaped micropin fins. Journal of Thermal Analysis and Calorimetry, 2019, 135, 1211-1228. | 3.6 | 20 |
| 10 | Performance enhancement of a solar still using a V-groove solar air collector—experimental study with energy, exergy, enviroeconomic, and exergoeconomic analysis. Environmental Science and Pollution Research, 2021, 28, 65525-65548. | 5.3 | 19 |
| 11 | Experimental study on flow around a tube in mixed tube bundles comprising cam-shaped and circular cylinders in in-line arrangement. International Journal of Thermal Sciences, 2021, 163, 106812. | 4.9 | 10 |
| 12 | Effect of blockage ratio on pressure drag and heat transfer of a cam-shaped tube. Heat and Mass Transfer, 2016, 52, 1935-1942. | 2.1 | 9 |
| 13 | Experimental analysis and modeling of weather condition effects on photovoltaic systems—performance: Tehran case study. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-13. | 2.3 | 9 |
| 14 | Experimental investigation of the heat transfer for non-circular tubes in a turbulent air cross flow. Experimental Heat Transfer, 2021, 34, 513-530. | 3.2 | 6 |
| 15 | The aspect ratio effect on the performance of a cam-shaped cylinder in crossflow of air. Experimental Heat Transfer, 2022, 35, 500-515. | 3.2 | 6 |
| 16 | Combination of a v-grooved solar collector with a single slope solar still: Performance evaluation, mathematical modeling, and economic analysis. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2022, 236, 8731-8753. | 2.1 | 6 |
| 17 | Investigation of Wall Function Effects on Aerodynamic Characteristics of Turbulent Flow Around a Simplified High-Speed Train. International Journal of Heat and Technology, 2021, 39, 309-318. | 0.6 | 3 |
| 18 | Exergy and exergoeconomic analyses of serial and bypass two-stage compression on the household refrigerator-freezer and replacement of R436A refrigerant. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2022, 236, 137-158. | 1.4 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | The angle of attack effect on thermal-hydraulic performance of a cam-shaped tube with constant heat flux in crossflow. <i>Experimental Heat Transfer</i> , 2023, 36, 548-563. | 3.2 | 3 |
| 20 | Investigating the increased heat performance of direct steam generation of Fresnel power plant using nanoparticles. <i>Environmental Progress and Sustainable Energy</i> , 2021, 40, . | 2.3 | 2 |
| 21 | Simulation of capacitive pressure sensor based on microelectromechanical systems technology. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2018, 232, 1538-1546. | 2.1 | 1 |
| 22 | Improvement of heat transfer in heat exchangers with spiral springs with the square cross-section area. <i>Heat and Mass Transfer</i> , 2020, 56, 2801-2812. | 2.1 | 0 |