

# Arslan Saleem

## List of Publications by Year in descending order

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17  
papers

545  
citations

623734

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h-index

940533

16  
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17  
all docs

17  
docs citations

17  
times ranked

314  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Performance analysis of hybrid nanofluid in a heat sink equipped with sharp and streamlined micro pin-fins. Powder Technology, 2019, 355, 552-563.   | 4.2 | 88        |
| 2  | Pin-fin shape-dependent heat transfer and fluid flow characteristics of water- and nanofluid-cooled micropin-fin heat sinks: Square, circular and triangular fin cross-sections. Applied Thermal Engineering, 2019, 158, 113781.                   | 6.0 | 81        |
| 3  | Analysis of hydro-thermal and entropy generation characteristics of nanofluid in an aluminium foam heat sink by employing Darcy-Forchheimer-Brinkman model coupled with multiphase Eulerian model. Applied Thermal Engineering, 2020, 173, 115231. | 6.0 | 46        |
| 4  | Aerodynamic analysis of an airborne wind turbine with three different aerofoil-based buoyant shells using steady RANS simulations. Energy Conversion and Management, 2018, 177, 233-248.   | 9.2 | 41        |
| 5  | Numerical analysis of the heat transfer and fluid flow characteristics of a nanofluid-cooled micropin-fin heat sink using the Eulerian-Lagrangian approach. Powder Technology, 2019, 345, 509-520.   | 4.2 | 38        |
| 6  | Effect of rotor tip clearance on the aerodynamic performance of an aerofoil-based ducted wind turbine. Energy Conversion and Management, 2019, 201, 112186.  | 9.2 | 36        |
| 7  | Aerodynamic performance optimization of an airfoil-based airborne wind turbine using genetic algorithm. Energy, 2020, 203, 117841.   | 8.8 | 32        |
| 8  | Air-side thermal hydraulic performance of microchannel heat exchangers with different fin configurations. Applied Thermal Engineering, 2017, 125, 780-789.   | 6.0 | 29        |
| 9  | Thermal efficiency of eco-friendly MXene based nanofluid for performance enhancement of a pin-fin heat sink: Experimental and numerical analyses. International Journal of Heat and Mass Transfer, 2022, 186, 122451.                              | 4.8 | 26        |
| 10 | Performance of buoyant shell horizontal axis wind turbine under fluctuating yaw angles. Energy, 2019, 169, 79-91.  | 8.8 | 24        |
| 11 | Effect of rotor axial position on the aerodynamic performance of an airborne wind turbine system in shell configuration. Energy Conversion and Management, 2017, 151, 587-600.   | 9.2 | 22        |
| 12 | Irreversibility and hydrothermal analysis of the MWCNTs/GNPs-based nanofluids for electronics cooling applications of the pin-fin heat sinks: Multiphase Eulerian-Lagrangian modeling. Case Studies in Thermal Engineering, 2022, 31, 101806.      | 5.7 | 22        |
| 13 | CFD Analysis on the Air-Side Thermal-Hydraulic Performance of Multi-Louvered Fin Heat Exchangers at Low Reynolds Numbers. Energies, 2017, 10, 823.   | 3.1 | 21        |
| 14 | Homogeneous and Multiphase Analysis of Nanofluids Containing Nonspherical MWCNT and GNP Nanoparticles Considering the Influence of Interfacial Layering. Nanomaterials, 2021, 11, 277.   | 4.1 | 17        |
| 15 | Optimization of oil flow distribution inside the in-wheel motor assembly of electric vehicles for improved thermal performance. Applied Thermal Engineering, 2022, 201, 117753.  | 6.0 | 15        |
| 16 | Miscibility analysis of polyol-ester based oil SW32 with R404A and low-GWP refrigerant R452A. International Journal of Refrigeration, 2021, 129, 22-31.  | 3.4 | 7         |
| 17 | Effect of Peritectic Banded Structure on Magnetic Properties of SmCo5 Sintered Magnets. Journal of Magnetism, 2020, 25, 469-474.   | 0.4 | 0         |