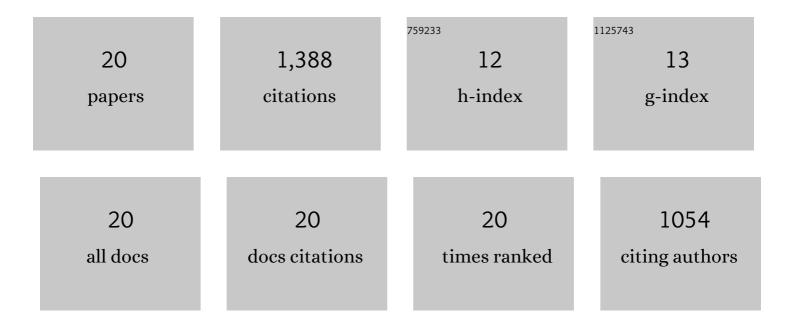
## Hamza Babar

List of Publications by Year in descending order

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| #  | Article  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Recent advances on the fundamental physical phenomena behind stability, dynamic motion,<br>thermophysical properties, heat transport, applications, and challenges of nanofluids. Physics<br>Reports, 2022, 946, 1-94. | 25.6 | 179       |
| 2  | Oriented square shaped pin-fin heat sink: Performance evaluation employing mixture based on ethylene<br>glycol/water graphene oxide nanofluid. Applied Thermal Engineering, 2022, 206, 118085.                         | 6.0  | 30        |
| 3  | Potential evaluation of water-based ferric oxide (Fe2O3-water) nanocoolant: An experimental study.<br>Energy, 2022, 246, 123441.   | 8.8  | 9         |
| 4  | Staggered oriented airfoil shaped pin-fin heat sink: Investigating the efficacy of novel water based ferric oxide-silica hybrid nanofluid. International Journal of Heat and Mass Transfer, 2022, 194, 123085.         | 4.8  | 29        |
| 5  | Heat pipes: progress in thermal performance enhancement for microelectronics. Journal of Thermal Analysis and Calorimetry, 2021, 143, 2227-2243.   | 3.6  | 37        |
| 6  | Advanced Thermal Energy Storage Materials. , 2021, , 31-69.  |      | 0         |
| 7  | Thermal Energy Storage System. , 2021, , 13-30.  |      | 0         |
| 8  | Thermophysical Properties of Advanced Energy Storage Materials. , 2021, , 71-78.   |      | 0         |
| 9  | Energy Storage Materials in Thermal Storage Applications. , 2021, , 79-117.  |      | 1         |
| 10 | Energy harvesting: role of hybrid nanofluids. , 2021, , 173-211.   |      | 4         |
| 11 | Concentrated photovoltaics as light harvesters: Outlook, recent progress, and challenges.<br>Sustainable Energy Technologies and Assessments, 2021, 46, 101199.  | 2.7  | 63        |
| 12 | Internal convective heat transfer of nanofluids in different flow regimes: A comprehensive review.<br>Physica A: Statistical Mechanics and Its Applications, 2020, 538, 122783.  | 2.6  | 53        |
| 13 | Nanofluid: Potential evaluation in automotive radiator. Journal of Molecular Liquids, 2020, 297, 112014.   | 4.9  | 105       |
| 14 | Hybrid nanofluids as a heat transferring media. , 2020, , 143-177.   |      | 2         |
| 15 | Airfoil shaped pin-fin heat sink: Potential evaluation of ferric oxide and titania nanofluids. Energy<br>Conversion and Management, 2019, 202, 112194.   | 9.2  | 84        |
| 16 | Solar energy systems – Potential of nanofluids. Journal of Molecular Liquids, 2019, 289, 111049.   | 4.9  | 143       |
| 17 | Towards hybrid nanofluids: Preparation, thermophysical properties, applications, and challenges.<br>Journal of Molecular Liquids, 2019, 281, 598-633.  | 4.9  | 342       |
| 18 | Viscosity of hybrid nanofluids: A critical review. Thermal Science, 2019, 23, 1713-1754.   | 1.1  | 106       |

| #  | Article   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Preparation Techniques of TiO2 Nanofluids and Challenges: A Review. Applied Sciences (Switzerland), 2018, 8, 587. | 2.5 | 187       |
| 20 | Application of Nanofluids for Thermal Management of Photovoltaic Modules: A Review. , 0, , .                      |     | 14        |