

# Muhammad Arif

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3574411/publications.pdf>

Version: 2024-02-01

15  
papers

439  
citations

840119

11  
h-index

1058022

14  
g-index

15  
all docs

15  
docs citations

15  
times ranked

233  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Heat transfer analysis of radiator using different shaped nanoparticles water-based ternary hybrid nanofluid with applications: A fractional model. Case Studies in Thermal Engineering, 2022, 31, 101837.             | 2.8 | 84        |
| 2  | A report on COVID-19 epidemic in Pakistan using SEIR fractional model. Scientific Reports, 2020, 10, 22268.  | 1.6 | 62        |
| 3  | A Time Fractional Model of Generalized Couette Flow of Couple Stress Nanofluid With Heat and Mass Transfer: Applications in Engine Oil. IEEE Access, 2020, 8, 146944-146966.   | 2.6 | 58        |
| 4  | Thermal performance of GO-MoS <sub>2</sub> / engine oil as Maxwell hybrid nanofluid flow with heat transfer in oscillating vertical cylinder. Case Studies in Thermal Engineering, 2021, 27, 101290.                   | 2.8 | 56        |
| 5  | Fractional Model of Couple Stress Fluid for Generalized Couette Flow: A Comparative Analysis of Atangana and Baleanu and Caputo and Fabrizio Fractional Derivatives. IEEE Access, 2019, 7, 88643-88655.                | 2.6 | 28        |
| 6  | Enhanced heat transfer in working fluids using nanoparticles with ramped wall temperature: Applications in engine oil. Advances in Mechanical Engineering, 2019, 11, 168781401988098.                                  | 0.8 | 24        |
| 7  | A fractional model of Casson fluid with ramped wall temperature: Engineering applications of engine oil. Computational and Mathematical Methods, 2021, 3, e1162.   | 0.3 | 24        |
| 8  | Couette flow of viscoelastic dusty fluid in a rotating frame along with the heat transfer. Scientific Reports, 2021, 11, 506.  | 1.6 | 21        |
| 9  | Natural convection in polyethylene glycol based molybdenum disulfide nanofluid with thermal radiation, chemical reaction and ramped wall temperature. International Journal of Heat and Technology, 2018, 36, 619-631. | 0.3 | 21        |
| 10 | A Time Fractional Model With Non-Singular Kernel the Generalized Couette Flow of Couple Stress Nanofluid. IEEE Access, 2020, 8, 77378-77395.   | 2.6 | 19        |
| 11 | Analysis of newly developed fractal-fractional derivative with power law kernel for MHD couple stress fluid in channel embedded in a porous medium. Scientific Reports, 2021, 11, 20858.                               | 1.6 | 16        |
| 12 | Maxwell Nanofluid Flow over an Infinite Vertical Plate with Ramped and Isothermal Wall Temperature and Concentration. Mathematical Problems in Engineering, 2021, 2021, 1-19.  | 0.6 | 14        |
| 13 | Scientific investigation of a fractional model based on hybrid nanofluids with heat generation and porous medium: applications in the drilling process. Scientific Reports, 2022, 12, 6524.                            | 1.6 | 11        |
| 14 | A comparative analysis of multiple fractional solutions of generalized Couette flow of couple stress fluid in a channel. Heat Transfer, 2022, 51, 7348-7368.   | 1.7 | 1         |
| 15 | Physical intuition of entropy generation in a mixed convective hybrid nanofluid flow with chemical reaction, cross-diffusion, and transpiration. Heat Transfer, 0, , .   | 1.7 | 0         |