

# Ehtsham Azhar

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

533  
citations

623734

14  
h-index

677142

22  
g-index

23  
all docs

23  
docs citations

23  
times ranked

380  
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance of hybrid nanofluid (Cu-CuO/water) on MHD rotating transport in oscillating vertical channel inspired by Hall current and thermal radiation. AEJ - Alexandria Engineering Journal, 2018, 57, 1943-1954.	6.4	94
2	A novel development of hybrid $\text{MoS}_2$ of the Taiwan Institute of Chemical Engineers, 2017, 81, 150-158.	4.1	46
3	Framing the MHD mixed convective performance of CNTs in rotating vertical channel inspired by thermal deposition: Closed form solutions. Journal of Molecular Liquids, 2017, 233, 334-343.	4.9	40
4	Transport phenomena of carbon nanotubes and bioconvection nanoparticles on stagnation point flow in presence of induced magnetic field. Physica E: Low-Dimensional Systems and Nanostructures, 2017, 91, 128-135.	2.7	40
5	Numerical investigation of nanofluidic transport of gyrotactic microorganisms submerged in water towards Riga plate. Journal of Molecular Liquids, 2017, 234, 296-308.	4.9	34
6	Impact of Entropy Generation on Stagnation-Point Flow of Sutterby Nanofluid: A Numerical Analysis. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2016, 71, 837-848.	1.5	33
7	Impact of inclined magnetic field on micropolar Casson fluid using Keller box algorithm. European Physical Journal Plus, 2017, 132, 1.	2.6	30
8	A comprehensive shape factor analysis using transportation of $\text{SiO}_2$ in the flow of engine oil over a rotating disk. Results in Physics, 2018, 8, 633-641.	4.1	29
9	Framing the performance of induced magnetic field and entropy generation on Cu and TiO <sub>2</sub> nanoparticles by using Keller box scheme. Advanced Powder Technology, 2017, 28, 2332-2345.	4.1	24
10	Utilization of the computational technique to improve the thermophysical performance in the transportation of an electrically conducting Al <sub>2</sub> O <sub>3</sub> - Ag/H <sub>2</sub> O hybrid nanofluid. European Physical Journal Plus, 2017, 132, 1.	2.6	24
11	Computational analysis of engine-oil based magnetite nanofluidic problem inspired with entropy generation. Physica A: Statistical Mechanics and its Applications, 2021, 565, 12.	2.6	22
12	Computational analysis of engine-oil based magnetite nanofluidic problem inspired with entropy generation. Journal of Molecular Liquids, 2017, 230, 295-304.	4.9	19
13	Numerical approach for stagnation point flow of Sutterby fluid impinging to Cattaneo-Christov heat flux model. Pramana - Journal of Physics, 2018, 91, 1.	1.8	18
14	Nanofluidic Transport over a Curved Surface with Viscous Dissipation and Convective Mass Flux. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2017, 72, 223-229.	1.5	16
15	Mechanistic investigation for the axisymmetric transport of nanocomposite molybdenum disulfide-silicon dioxide in ethylene glycol and sphericity assessment of nanoscale particles. European Physical Journal Plus, 2018, 133, 1.	2.6	16
16	MHD rotating transport of CNTs in a vertical channel submerged with Hall current and oscillations. European Physical Journal Plus, 2017, 132, 1.	2.6	15
17	Finite Difference Approach for Critical Value Analysis to Describe Jeffery-Hamel Flow Toward an Inclined Channel with Microrotations. Arabian Journal for Science and Engineering, 2022, 47, 15261-15268.	3.0	8
18			

#	ARTICLE	IF	CITATIONS
19	Application of neural network for computing heat performance in axisymmetric viscoelastic transport: Hybrid meta heuristic techniques. Results in Physics, 2018, 8, 1076-1085.	4.1	7
20	A Numerical Investigation of Nanocomposite of Copper and Titanium Dioxide in Water Based Fluid Influenced by Instigated Magnetic Region. Communications in Theoretical Physics, 2018, 70, 239.	2.5	6
21	Unsteady transport of MHD mixed convection inspired by thermal radiation and partial slip performance: Finite difference approach. Thermal Science, 2019, 23, 1875-1887.	1.1	3
22	Impact of oblique magnetic viscous dissipative transport on chemically reactive micro-rotations submerged in porous medium. Canadian Journal of Physics, 2018, 96, 1349-1358.	1.1	1
23	Effectiveness of Magnetic Dipole and Framing the Performance of $Fe_3O_4$ in Rotating Transpor. Arabian Journal for Science and Engineering, 2019, 44, 993-1000.	3.0	1