Tariq Javed

List of Publications by Year
in descending order

82 papers	1,548 citations	361413 20 h-index	414414 32 g-index
82 all docs	82 docs citations	82 times ranked	711 citing authors

#	ARTICLE	IF	CITATIONS
1	FLOW OF AN EYRING-POWELL NON-NEWTONIAN FLUID OVER A STRETCHING SHEET. Chemical Engineering Communications, 2013, 200, 327-336.	2.6	129
2	Heat transfer in MHD stagnation point flow of a ferrofluid over a stretchable rotating disk. Journal of Molecular Liquids, 2016, 219, 526-532.	4.9	70
3	Photocatalytic degradation of disperse dye Violet-26 using TiO2 and ZnO nanomaterials and process variable optimization. Journal of Materials Research and Technology, 2020, 9, 1119-1128.	5.8	70
4	Effect of MHD on heat transfer through ferrofluid inside a square cavity containing obstacle/heat source. International Journal of Thermal Sciences, 2018, 125, 419-427.	4.9	54
5	Natural convection in square cavity filled with ferrofluid saturated porous medium in the presence of uniform magnetic field. Physica B: Condensed Matter, 2017, 506, 122-132.	2.7	50
6	Numerical simulation of MHD flow of micropolar fluid inside a porous inclined cavity with uniform and non-uniform heated bottom wall. Canadian Journal of Physics, 2018, 96, 576-593.	1.1	50
7	Bi-directional stretched nanofluid flow with Cattaneo-Christov double diffusion. Results in Physics, 2019, 15, 102581.	4.1	41
8	BUOYANCY-DRIVEN CAVITY FLOW OF A MICROPOLAR FLUID WITH VARIABLY HEATED BOTTOM WALL. Heat Transfer Research, 2018, 49, 457-481.	1.6	35
9	Numerical simulations of MHD forced convection flow of micropolar fluid inside a right-angled triangular cavity saturated with porous medium: Effects of vertical moving wall. Canadian Journal of Physics, 2019, 97, 1-13.	1.1	34
10	Finite element analysis of bi-viscosity fluid enclosed in a triangular cavity under thermal and magnetic effects. European Physical Journal Plus, 2019, 134, 1.	2.6	33
11	NATURAL CONVECTION FLOW OF MICROPOLAR FLUID INSIDE A POROUS SQUARE CONDUIT: EFFECTS OF MAGNETIC FIELD, HEAT GENERATION/ABSORPTION, AND THERMAL RADIATION. Journal of Porous Media, 2018, 21, 953-975.	1.9	33
12	Numerical study of unsteady MHD oblique stagnation point flow with heat transfer over an oscillating flat plate. Canadian Journal of Physics, 2015, 93, 1138-1143.	1.1	32
13	Dynamisms of solar radiation and prescribed heat sources on bidirectional flow of magnetized Eyring-Powell nanofluid. Case Studies in Thermal Engineering, 2020, 21, 100689.	5.7	32
14	Numerical investigation on flow of second grade fluid due to stretching cylinder with Soret and Dufour effects. Journal of Molecular Liquids, 2016, 221, 878-884.	4.9	31
15	MAGNETO-NANOFLUID FLOW DUE TO BIDIRECTIONAL STRETCHING SURFACE IN A POROUS MEDIUM. Special Topics and Reviews in Porous Media, 2019, 10, 457-473.	1.1	30
16	Natural convection through spherical particles of a micropolar fluid enclosed in a trapezoidal porous container. European Physical Journal Plus, 2018, 133, 1.	2.6	28
17	Finite element simulations for energy transfer in a lid-driven porous square container filled with micropolar fluid: Impact of thermal boundary conditions and Peclet number. International Journal of Hydrogen Energy, 2019, 44, 7656-7666.	7.1	28
18	MHD Natural Convective Flow in an Isosceles Triangular Cavity Filled with Porous Medium due to Uniform/Non-Uniform Heated Side Walls. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2015, 70, 919-928.	1.5	25

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19	Significances of prescribed heat sources on magneto Casson nanofluid flow due to unsteady bi-directionally stretchable surface in a porous medium. SN Applied Sciences, 2020, 2, 1.	2.9	23
20	RADIATIVE NANOFLUID FLOW DUE TO UNSTEADY BI-DIRECTIONAL STRETCHING SURFACE WITH CONVECTIVE AND ZERO MASS FLUX BOUNDARY CONDITIONS: USING KELLER BOX SCHEME. Computational Thermal Sciences, 2020, 12, 361-385.	0.9	23
21	THERMAL RADIATION EFFECTS ON MHD FLOW OVER A STRETCHING CYLINDER IN A POROUS MEDIUM. Heat Transfer Research, 2013, 44, 703-718.	1.6	23
22	Magnetohydrodynamic (MHD) mixed convection stagnation point flow of a nanofluid over a vertical plate with viscous dissipation. Canadian Journal of Physics, 2015, 93, 1365-1374.	1.1	22
23	Theoretical investigation of thermal analysis in aluminum and titanium alloys filled in nanofluid through a square cavity having the uniform thermal condition. International Journal of Modern Physics B, 2022, 36, .	2.0	22
24	Study of heat transfer in water- Cu nanofluid saturated porous medium through two entrapped trapezoidal cavities under the influence of magnetic field. Journal of Molecular Liquids, 2017, 240, 402-411.	4.9	21
25	Mixed convection in a triangular cavity permeated with micropolar nanofluid-saturated porous medium under the impact of MHD. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 3897-3909.	1.6	21
26	Numerical analysis of the full MHD model with the Galerkin finite-element method. European Physical Journal Plus, 2019, 134, 1.	2.6	21
27	Actions of viscous dissipation and Ohmic heating on bidirectional flow of a magneto‐Prandtl nanofluid with prescribed heat and mass fluxes. Heat Transfer, 2020, 49, 4801-4819.	3.0	21
28	Oblique stagnation point flow of a non-Newtonian nanofluid over stretching surface with radiation: A numerical study. Thermal Science, 2017, 21, 2139-2153.	1.1	21
29	Unsteady 3D heat transport in hybrid nanofluid containing brick shaped ceria and zinc-oxide nanocomposites with heat source/sink. Nanocomposites, 2022, 8, 1-12.	4.2	21
30	Influence of radiation on vertical wavy surface with constant heat flux: Using Keller box scheme. AEJ - Alexandria Engineering Journal, 2016, 55, 2221-2228.	6.4	20
31	Insight into the relationship between unsteady Cattaneo-Christov double diffusion, random motion and thermo-migration of tiny particles. Ain Shams Engineering Journal, 2022, 13, 101494.	6.1	19
32	Heat transfer analysis of unsteady oblique stagnation point flow of elastico-viscous fluid due to sinusoidal wall temperature over an oscillating-stretching surface: A numerical approach. Journal of Molecular Liquids, 2016, 219, 748-755.	4.9	18
33	Influence of Radiation on Non-Newtonian Fluid in the Region of Oblique Stagnation Point Flow in a Porous Medium: A Numerical Study. Transport in Porous Media, 2016, 113, 245-266.	2.6	18
34	Energy transfer through mixed convection within square enclosure containing micropolar fluid with non-uniformly heated bottom wall under the MHD impact. Journal of Molecular Liquids, 2018, 249, 831-842.	4.9	18
35	Radiation aspects on magneto‐Carreau nanoliquid flow over a bidirectionally stretchable surface with variable thermal conditions. Heat Transfer, 2020, 49, 3456-3476.	3.0	18
36	Effects of radiative heat flux and heat generation on magnetohydodynamics natural convection flow of <scp>nanofluid</scp> inside a porous triangular cavity with thermal boundary conditions. Numerical Methods for Partial Differential Equations, 2024, 40, .	3.6	18

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37	Numerical investigation for mixed convective 3D radiative flow of chemically reactive Williamson nanofluid with power law heat/mass fluxes. Ain Shams Engineering Journal, 2022, 13, 101508.	6.1	17
38	Hydromagnetic natural convection flow of water-based nanofluid along a vertical wavy surface with heat generation. Journal of Molecular Liquids, 2017, 229, 246-254.	4.9	16
39	Dynamics of MHD tangent hyperbolic nanofluid with prescribed thermal conditions, random motion and thermo-migration of nanoparticles. Journal of Dispersion Science and Technology, 2023, 44, 174-188.	2.4	16
40	Numerical simulation of mixed convective 3D flow of a chemically reactive nanofluid subject to convective Nield's conditions with a nonuniform heat source/sink. Heat Transfer, 2021, 50, 352-369.	3.0	15
41	Kellerâ€"Box simulation for nonzero and zero mass fluxes of nanofluid flow impinging over a bi-directional stretching sheet: An unsteady mathematical model. International Journal of Modern Physics C, 2021, 32, 2150052.	1.7	15
42	Dynamisms of activation energy and convective Nieldâ€™s conditions on bidirectional flow of radiative Eyringâ€"Powell nanofluid. International Journal of Modern Physics C, 2020, 31, 2050156.	1.7	14
43	Flow of a Giesekus Fluid in a Planar Channel due to Peristalsis. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2013, 68, 515-523.	1.5	13
44	Mixed convective flow of an Oldroyd-B nanofluid impinging over an unsteady bidirectional stretching surface with the significances of double stratification and chemical reaction. SN Applied Sciences, 2020, 2, 1.	2.9	13
45	Enhancement in heat and mass transfer over a permeable sheet with Newtonian heating effects on nanofluid: Multiple solutions using spectral method and stability analysis. Pramana - Journal of Physics, 2019, 93, 1.	1.8	12
46	Thermal transportation analysis of nanoliquid squeezed flow past a sensor surface with MCWCNT and SWCNT. Heat Transfer - Asian Research, 2019, 48, 2262-2275.	2.8	12
47	Entropy Analysis in Bidirectional Hybrid Nanofluid Containing Nanospheres with Variable Thermal Activity. Journal of Nanomaterials, 2022, 2022, 1-15.	2.7	11
48	Rotating Flow of a Micropolar Fluid Induced by a Stretching Surface. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2010, 65, 829-843.	1.5	10
49	Heat transfer analysis of boundary layer flow over hyperbolic stretching cylinder. AEJ - Alexandria Engineering Journal, 2016, 55, 1333-1339.	6.4	10
50	Numerical study of two-dimensional non-Newtonian peristaltic flow for long wavelength and moderate Reynolds number. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 4421-4430.	1.6	10
51	High energy radiation induced degradation of reactive yellow 145 dye: A mechanistic study. Radiation Physics and Chemistry, 2020, 177, 109115.	2.8	10
52	Swirling Flow of Jeffrey Fluid by a Spiraling Disk. Iranian Journal of Science and Technology, Transaction A: Science, 2020, 44, 821-831.	1.5	10
53	Numerical Examination of Thermophysical Properties of Cobalt Ferroparticles over a Wavy Surface Saturated in Non-Darcian Porous Medium. Journal of Non-Equilibrium Thermodynamics, 2020, 45, 109-120.	4.2	10
54	Unsteady rotating flow of nanofluid with prescribed thermal aspects. International Journal of Modern Physics C, 2021, 32, 2150093.	1.7	10

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55	Dynamics of copperâ€"water nanofluid with the significance of prescribed thermal conditions. Heat Transfer, 2021, 50, 4248-4263.	3.0	10
56	Numerical analysis of Walters-B fluid flow and heat transfer over a stretching cylinder. Canadian Journal of Physics, 2016, 94, 522-530.	1.1	9
57	Effect of high Reynolds number on hydromagnetic peristaltic flow in an inclined channel using finite element method. Journal of the Korean Physical Society, 2017, 71, 950-962.	0.7	9
58	Impact of magnetohydrodynamics (MHD) on energy transmission through ferrofluid saturating porous medium contained in a lid-driven trapezoidal container with triangular notched heater configuration. Canadian Journal of Physics, 2019, 97, 1104-1114.	1.1	9
59	FINITE ELEMENT ANALYSIS OF THE HYDROMAGNETIC PERISTALTIC FLOW IN A POROUS-SATURATED CHANNEL AT MODERATE REYNOLDS NUMBERS. Journal of Porous Media, 2017, 20, 841-857.	1.9	9
60	Heat transfer analysis in the time-dependent axisymmetric stagnation point flow over a lubricated surface. Thermal Science, 2018, 22, 2483-2492.	1.1	9
61	A computational study of Brownian and thermophoresis effects on nonlinear radiation in boundary-layer flow of Maxwell nanofluid initiated due to elongating cylinder. Canadian Journal of Physics, 2017, 95, 969-975.	1.1	8
62	Time Dependent Convective Non-Orthogonal Hiemenz Flow of Viscoelastic Walter's B Fluid towards a Non-Uniformly Heated Vertical Surface: Using Spectral Method. Nihon Reoroji Gakkaishi, 2018, 46, 155-164.	1.0	8
63	Mixed convection boundary layer flow over a horizontal elliptic cylinder with constant heat flux. Zeitschrift Fur Angewandte Mathematik Und Physik, 2015, 66, 3393-3403.	1.4	7
64	Three-dimensional Oldroyd-B fluid flow with Cattaneo-Christov heat flux model. European Physical Journal Plus, 2016, 131, 1.	2.6	7
65	Influence of nonlinear radiation on natural convection flow of carbon nanotubes suspended in water-based fluid along a vertical wavy surface. Physica Scripta, 2019, 94, 115214.	2.5	7
66	Natural convection and thermal radiation analysis inside the square cavity filled with non-Newtonian fluid via heatlines and entropy generation. Physica Scripta, 2022, 97, 025202.	2.5	7
67	Significance of convective Nield's conditions on radiative Casson nanomaterial flow over a bidirectional stretching surface with Arrhenius energy. International Journal of Ambient Energy, 2022, 43, 7588-7599.	2.5	6
68	Flow by a Porous Shrinking Surface in a Rotating Frame. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2010, 65, 45-52.	1.5	5
69	Heat transfer in natural convection flow of nanofluid along a vertical wavy plate with variable heat flux. Thermal Science, 2019, 23, 179-190.	1.1	5
70	Unsteady MHD chemically reactive dissipative flow of nanofluid due to rotating cone. Numerical Heat Transfer; Part A: Applications, 2022, 82, 441-454.	2.1	5
71	Effects of unsteady expansion/contraction of Wang's cylinder problem with suction near a stagnation point. Asia-Pacific Journal of Chemical Engineering, 2015, 10, 184-192.	1.5	4
72	Numerical Study of Mixed Convective Peristaltic Flow through Vertical Tube with Heat Generation for Moderate Reynolds and Wave Numbers. Communications in Theoretical Physics, 2018, 69, 449.	2.5	4

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73	Numerical study of peristaltic motion of non-Newtonian fluid at high Reynolds number in an axisymmetric tube. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	1.6	4
74	Analysis of heat transfer in SWCNTs-ethylene glycol-based nanofluid past a vertical complex wavy surface. Journal of Thermal Analysis and Calorimetry, 2022, 147, 2601-2613.	3.6	4
75	Effect of thermal radiation on unsteady mixed convection flow near forward stagnation point over a cylinder of elliptic cross section. Thermal Science, 2017, 21, 243-254.	1.1	4
76	Enhanced thermal energy transport of a ferrofluid contained in a double-sided lid-driven square container due to adiabatic block in the presence of magnetic force. European Physical Journal Plus, 2018, 133, 1.	2.6	3
77	Mixed convection boundary-layer flow of a viscoelastic fluid due to horizontal elliptic cylinder with constant heat flux. Thermal Science, 2018, 22, 519-531.	1.1	3
78	Nonlinear Stretching Flow with Thermal Radiation. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2010, 65, 761-770.	1.5	2
79	Mixed convection in micropolar nanofluid flow through entrapped triangular enclosures and linear stability analysis considering magnetic effects and heat generation and absorption. Canadian Journal of Physics, 2019, 97, 252-266.	1.1	1
80	Impact of complex wavy surface on natural convection flow in micropolar fluid. Numerical Methods for Partial Differential Equations, 2020, , .	3.6	1
81	Modeling and simulation of natural convection flow along a rough surface of sinusoidal nature with variable heat flux: Using Keller box scheme. Thermal Science, 2019, 23, 3391-3400.	1.1	1
82	Numerical Study of the Magnetohydrodynamic Heat Transfer Peristaltic Flow in Tube Against High Reynolds Number. Journal of the Korean Physical Society, 2018, 73, 1295-1302.	0.7	0