

# Arsalan Aziz

## List of Publications by Year in descending order

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35  
papers

1,335  
citations

331670

21  
h-index

414414

32  
g-index

35  
all docs

35  
docs citations

35  
times ranked

610  
citing authors

#	ARTICLE	IF	CITATIONS
1	The solution of twelfth order boundary value problems by the improved residual power series method: new approach. <i>International Journal of Modelling and Simulation</i> , 2023, 43, 64-74.	3.3	5
2	Numerical simulation for 3D rotating flow of nanofluid with entropy generation. <i>International Journal of Modelling and Simulation</i> , 2023, 43, 101-122.	3.3	10
3	Significance of Entropy Generation and the Coriolis Force on the Three-Dimensional Non-Darcy Flow of Ethylene-Glycol Conveying Carbon Nanotubes (SWCNTs and MWCNTs). <i>Journal of Non-Equilibrium Thermodynamics</i> , 2022, 47, 61-75.	4.2	52
4	A novel plasmonic waveguide for the dual-band transmission of spoof surface plasmon polaritons. <i>European Physical Journal Plus</i> , 2022, 137, .	2.6	7
5	Analysis of entropy production and activation energy in hydromagnetic rotating flow of nanofluid with velocity slip and convective conditions. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 146, 2561-2576.	3.6	14
6	Significance of homogeneous and heterogeneous reactions in Darcy-Forchheimer three-dimensional rotating flow of carbon nanotubes. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 183-195.	3.6	42
7	Influence of Arrhenius activation energy in MHD flow of third grade nanofluid over a nonlinear stretching surface with convective heat and mass conditions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 549, 124006.	2.6	90
8	Analysis of entropy generation for MHD flow of third grade nanofluid over a nonlinear stretching surface embedded in a porous medium. <i>Physica Scripta</i> , 2019, 94, 125703.	2.5	27
9	Influence of homogeneous and heterogeneous reactions in the three-dimensional rotating flow of a nanofluid subject to Darcy-Forchheimer porous medium: an optimal analysis. <i>Physica Scripta</i> , 2019, 94, 115708.	2.5	15
10	Numerical simulation for Darcy-Forchheimer 3D rotating flow subject to binary chemical reaction and Arrhenius activation energy. <i>Journal of Central South University</i> , 2019, 26, 1250-1259.	3.0	12
11	An optimal study for 3D rotating flow of Oldroyd-B nanofluid with convectively heated surface. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019, 41, 1.	1.6	22
12	Active and passive controls of 3D nanofluid flow by a convectively heated nonlinear stretching surface. <i>Physica Scripta</i> , 2019, 94, 085704.	2.5	24
13	Numerical simulation for three-dimensional flow of Carreau nanofluid over a nonlinear stretching surface with convective heat and mass conditions. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019, 41, 1.	1.6	24
14	Effects of binary chemical reaction and Arrhenius activation energy in Darcy-Forchheimer three-dimensional flow of nanofluid subject to rotating frame. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 136, 1769-1779.	3.6	38
15	Numerical simulation for Darcy-Forchheimer three-dimensional rotating flow of nanofluid with prescribed heat and mass flux conditions. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 136, 2087-2095.	3.6	30
16	Numerical study for heat generation/absorption in flow of nanofluid by a rotating disk. <i>Results in Physics</i> , 2018, 8, 785-792.	4.1	84
17	An optimal analysis for Darcy-Forchheimer 3D flow of Carreau nanofluid with convectively heated surface. <i>Results in Physics</i> , 2018, 9, 598-608.	4.1	44
18	Three-dimensional flow of Prandtl fluid with Cattaneo-Christov double diffusion. <i>Results in Physics</i> , 2018, 9, 290-296.	4.1	53

#	ARTICLE	IF	CITATIONS
19	Darcy-Forchheimer flow of nanofluid in a rotating frame. International Journal of Numerical Methods for Heat and Fluid Flow, 2018, 28, 2895-2915.	2.8	26
20	Numerical treatment for Darcy-Forchheimer flow of nanofluid due to a rotating disk with convective heat and mass conditions. International Journal of Numerical Methods for Heat and Fluid Flow, 2018, 28, 2531-2550.	2.8	16
21	An optimal analysis for Darcy-Forchheimer 3D flow of nanofluid with convective condition and homogeneous-heterogeneous reactions. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 2846-2855.	2.1	27
22	Three-dimensional flow of nanofluid with heat and mass flux boundary conditions. Chinese Journal of Physics, 2017, 55, 1495-1510.	3.9	52
23	On model for flow of Burgers nanofluid with Cattaneo-Christov double diffusion. Chinese Journal of Physics, 2017, 55, 916-929.	3.9	44
24	Darcy-Forchheimer Three-Dimensional Flow of Williamson Nanofluid over a Convectively Heated Nonlinear Stretching Surface. Communications in Theoretical Physics, 2017, 68, 387.	2.5	49
25	Active and passive controls of Jeffrey nanofluid flow over a nonlinear stretching surface. Results in Physics, 2017, 7, 4071-4078.	4.1	28
26	A revised model for Jeffrey nanofluid subject to convective condition and heat generation/absorption. PLoS ONE, 2017, 12, e0172518.	2.5	36
27	Numerical study for nanofluid flow due to a nonlinear curved stretching surface with convective heat and mass conditions. Results in Physics, 2017, 7, 3100-3106.	4.1	42
28	Model and Comparative Study for Flow of Viscoelastic Nanofluids with Cattaneo-Christov Double Diffusion. PLoS ONE, 2017, 12, e0168824.	2.5	44
29	On magnetohydrodynamic three-dimensional flow of nanofluid over a convectively heated nonlinear stretching surface. International Journal of Heat and Mass Transfer, 2016, 100, 566-572.	4.8	159
30	On magnetohydrodynamic flow of second grade nanofluid over a convectively heated nonlinear stretching surface. Advanced Powder Technology, 2016, 27, 1992-2004.	4.1	40
31	On magnetohydrodynamic flow of second grade nanofluid over a nonlinear stretching sheet. Journal of Magnetism and Magnetic Materials, 2016, 408, 99-106.	2.3	84
32	Influence of Magnetic Field in Three-Dimensional Flow of Couple Stress Nanofluid over a Nonlinearly Stretching Surface with Convective Condition. PLoS ONE, 2015, 10, e0145332.	2.5	77
33	Lorentz force and Darcy-Forchheimer effects on the convective flow of non-Newtonian fluid with chemical aspects. Waves in Random and Complex Media, 0, , 1-15.	2.7	4
34	Fractional analysis of thin-film flow in the presence of thermal conductivity and variable viscosity. Waves in Random and Complex Media, 0, , 1-19.	2.7	10
35	Numerical simulation of 3D swirling flow of Maxwell nanomaterial with a binary chemical mechanism and nonlinear thermal radiation effects. Waves in Random and Complex Media, 0, , 1-19.	2.7	4