Waris Khan

List of Publications by Year
in descending order

72 papers	1,946 citations	236612 25 h-index	301761 39 g-index
73 all docs	73 docs citations	73 times ranked	930 citing authors

#	Article	IF	Citations
1	Thin film flow of a second grade fluid in a porous medium past a stretching sheet with heat transfer. AEJ - Alexandria Engineering Journal, 2018, 57, 1019-1031.	3.4	93
2	Thermophoresis and thermal radiation with heat and mass transfer in a magnetohydrodynamic thin-film second-grade fluid of variable properties past a stretching sheet. European Physical Journal Plus, 2017, 132, 1.	1.2	84
3	Three-dimensional rotating flow of MHD single wall carbon nanotubes over a stretching sheet in presence of thermal radiation. Applied Nanoscience (Switzerland), 2018, 8, 1361-1378.	1.6	73
4	Radiative MHD thin film flow of Williamson fluid over an unsteady permeable stretching sheet. Heliyon, 2018, 4, e00825.	1.4	73
5	Slip flow of Eyring-Powell nanoliquid film containing graphene nanoparticles. AIP Advances, 2018, 8, .	0.6	70
6	Micropolar gold blood nanofluid flow and radiative heat transfer between permeable channels. Computer Methods and Programs in Biomedicine, 2020, 186, 105197.	2.6	68
7	The Combined Magneto Hydrodynamic and Electric Field Effect on an Unsteady Maxwell Nanofluid Flow over a Stretching Surface under the Influence of Variable Heat and Thermal Radiation. Applied Sciences (Switzerland), 2018, 8, 160.	1.3	66
8	Radiative mixed convection flow of maxwell nanofluid over a stretching cylinder with joule heating and heat source/sink effects. Scientific Reports, 2020, 10, 17823.	1.6	62
9	Impact of Nonlinear Thermal Radiation on MHD Nanofluid Thin Film Flow over a Horizontally Rotating Disk. Applied Sciences (Switzerland), 2019, 9, 1533.	1.3	59
10	Flow and heat transfer in water based liquid film fluids dispensed with graphene nanoparticles. Results in Physics, 2018, 8, 1143-1157.	2.0	56
11	Influence of Inclined Magnetic Field on Carreau Nanoliquid Thin Film Flow and Heat Transfer with Graphene Nanoparticles. Energies, 2019, 12, 1459.	1.6	55
12	Effects of Joule Heating and Viscous Dissipation on Magnetohydrodynamic Boundary Layer Flow of Jeffrey Nanofluid over a Vertically Stretching Cylinder. Coatings, 2021, 11, 353.	1.2	55
13	Impact of Nonlinear Thermal Radiation and the Viscous Dissipation Effect on the Unsteady Three-Dimensional Rotating Flow of Single-Wall Carbon Nanotubes with Aqueous Suspensions. Symmetry, 2019, 11, 207.	1.1	52
14	Chemically reactive MHD micropolar nanofluid flow with velocity slips and variable heat source/sink. Scientific Reports, 2020, 10, 20926.	1.6	51
15	Three-Dimensional Nanofluid Flow with Heat and Mass Transfer Analysis over a Linear Stretching Surface with Convective Boundary Conditions. Applied Sciences (Switzerland), 2018, 8, 2244.	1.3	49
16	Entropy Generation in MHD Eyring–Powell Fluid Flow over an Unsteady Oscillatory Porous Stretching Surface under the Impact of Thermal Radiation and Heat Source/Sink. Applied Sciences (Switzerland), 2018, 8, 2588.	1.3	47
17	Unsteady squeezing flow of magnetohydrodynamic carbon nanotube nanofluid in rotating channels with entropy generation and viscous dissipation. Advances in Mechanical Engineering, 2019, 11, 168781401882310.	0.8	47
18	Hall current and thermophoresis effects on magnetohydrodynamic mixed convective heat and mass transfer thin film flow. Journal of Physics Communications, 2019, 3, 035009.	0.5	46

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19	A convective flow of Williamson nanofluid through cone and wedge with non-isothermal and non-isosolutal conditions: A revised Buongiorno model. Case Studies in Thermal Engineering, 2021, 24, 100869.	2.8	46
20	Treatment of highly saline RO concentrate using Scenedesmus quadricauda for enhanced removal of refractory organic matter. Desalination, 2018, 430, 128-135.	4.0	41
21	Thin Film Williamson Nanofluid Flow with Varying Viscosity and Thermal Conductivity on a Time-Dependent Stretching Sheet. Applied Sciences (Switzerland), 2016, 6, 334.	1.3	36
22	Darcyâ€"Forchheimer flow of micropolar nanofluid between two plates in the rotating frame with non-uniform heat generation/absorption. Advances in Mechanical Engineering, 2018, 10, 168781401880885.	0.8	35
23	Entropy Generation of Carbon Nanotubes Flow in a Rotating Channel with Hall and Ion-Slip Effect Using Effective Thermal Conductivity Model. Entropy, 2019, 21, 52.	1.1	33
24	Entropy Generation and Heat Transfer Analysis in MHD Unsteady Rotating Flow for Aqueous Suspensions of Carbon Nanotubes with Nonlinear Thermal Radiation and Viscous Dissipation Effect. Entropy, 2019, 21, 492.	1.1	31
25	Influence of Cattaneoâ€"Christov Heat Flux on MHD Jeffrey, Maxwell, and Oldroyd-B Nanofluids with Homogeneous-Heterogeneous Reaction. Symmetry, 2019, 11, 439.	1.1	31
26	Bidirectional flow of MHD nanofluid with Hall current and Cattaneo-Christove heat flux toward the stretching surface. PLoS ONE, 2022, 17, e0264208.	1.1	29
27	MHD and Slip Effect on Two-immiscible Third Grade Fluid on Thin Film Flow over a Vertical Moving Belt. Open Physics, 2019, 17, 575-586.	0.8	26
28	Analysis of Eyringâ€"Powell Fluid Flow Used as a Coating Material for Wire with Variable Viscosity Effect along with Thermal Radiation and Joule Heating. Crystals, 2020, 10, 168.	1.0	26
29	Flow of a Nano-Liquid Film of Maxwell Fluid with Thermal Radiation and Magneto Hydrodynamic Properties on an Unstable Stretching Sheet. Journal of Nanofluids, 2017, 6, 1021-1030.	1.4	25
30	Numerical computation of 3D Brownian motion of thin film nanofluid flow of convective heat transfer over a stretchable rotating surface. Scientific Reports, 2022, 12, 2708.	1.6	25
31	Three non-Newtonian fluids flow considering thin film over an unsteady stretching surface with variable fluid properties. Advances in Mechanical Engineering, 2018, 10, 168781401880736.	0.8	23
32	Radiative flow of magneto hydrodynamics single-walled carbon nanotube over a convectively heated stretchable rotating disk with velocity slip effect. Advances in Mechanical Engineering, 2019, 11, 168781401982771.	0.8	23
33	Hall and Ion-Slip Effect on CNTS Nanofluid over a Porous Extending Surface through Heat Generation and Absorption. Entropy, 2019, 21, 801.	1.1	22
34	Three dimensional Darcy-Forchheimer radiated flow of single and multiwall carbon nanotubes over a rotating stretchable disk with convective heat generation and absorption. AIP Advances, 2019, 9, 035031.	0.6	22
35	Analysis of Magneto-hydrodynamics Flow and Heat Transfer of a Viscoelastic Fluid through Porous Medium in Wire Coating Analysis. Mathematics, 2017, 5, 27.	1.1	21
36	Influence of MHD on Thermal Behavior of Darcy-Forchheimer Nanofluid Thin Film Flow over a Nonlinear Stretching Disc. Coatings, 2019, 9, 446.	1.2	21

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37	An optimal analysis for Darcy–Forchheimer three-dimensional Williamson nanofluid flow over a stretching surface with convective conditions. Advances in Mechanical Engineering, 2019, 11, 168781401983351.	0.8	21
38	Impact of Thermal Radiation and Heat Source/Sink on Eyring–Powell Fluid Flow over an Unsteady Oscillatory Porous Stretching Surface. Mathematical and Computational Applications, 2018, 23, 20.	0.7	20
39	Study of Three dimensional Darcy–Forchheimer squeezing nanofluid flow with Cattaneo–Christov heat flux based on four different types of nanoparticles through entropy generation analysis. Advances in Mechanical Engineering, 2019, 11, 168781401985130.	0.8	17
40	Investigation of Two-Dimensional Viscoelastic Fluid with Nonuniform Heat Generation over Permeable Stretching Sheet with Slip Condition. Complexity, 2019, 2019, 1-8.	0.9	16
41	The Brownian and Thermophoretic Analysis of the Non-Newtonian Williamson Fluid Flow of Thin Film in a Porous Space over an Unstable Stretching Surface. Applied Sciences (Switzerland), 2017, 7, 404.	1.3	15
42	Unsteady Ferrofluid Slip Flow in the Presence of Magnetic Dipole With Convective Boundary Conditions. IEEE Access, 2020, 8, 138551-138562.	2.6	15
43	Thermal Radiations and Mass Transfer Analysis of the Three-Dimensional Magnetite Carreau Fluid Flow Past a Horizontal Surface of Paraboloid of Revolution. Processes, 2020, 8, 656.	1.3	14
44	Computational optimization for the deposition of bioconvection thin Oldroyd-B nanofluid with entropy generation. Scientific Reports, 2021, 11, 11641.	1.6	14
45	Impact of viscous dissipation and coriolis effects in heat and mass transfer analysis of the 3D non-Newtonian fluid flow. Case Studies in Thermal Engineering, 2022, 37, 102289.	2.8	14
46	Development of Dynamic Model and Analytical Analysis for the Diffusion of Different Species in Non-Newtonian Nanofluid Swirling Flow. Frontiers in Physics, 2021, 8, .	1.0	13
47	MHD stagnation point flow of hybrid nanofluid over a permeable cylinder with homogeneous and heterogenous reaction. Physica Scripta, 2021, 96, 035201.	1.2	13
48	Entropy optimization in MHD nanofluid flow over a curved exponentially stretching surface with binary chemical reaction and Arrhenius activation energy. Journal of Physics Communications, 2020, 4, 075021.	0.5	12
49	Emerging investigator series: quaternary treatment with algae-assisted oxidation for antibiotics removal and refractory organics degradation in livestock wastewater effluent. Environmental Science: Water Research and Technology, 2020, 6, 3262-3275.	1.2	12
50	Numerical modeling of unsteady MHD flow of Casson fluid in a vertical surface with chemical reaction and Hall current. Advances in Mechanical Engineering, 2022, 14, 168781322210854.	0.8	12
51	A proof of concept study for wastewater reuse using bioelectrochemical processes combined with complementary post-treatment technologies. Environmental Science: Water Research and Technology, 2019, 5, 1489-1498.	1.2	11
52	Magnetohydrodynamic Hybrid Nanofluid Flow Past an Exponentially Stretching Sheet with Slip Conditions. Mathematics, 2021, 9, 3291.	1.1	11
53	Nanofluid thin film flow of Sisko fluid and variable heat transfer over an unsteady stretching surface with external magnetic field. Journal of Algorithms and Computational Technology, 2019, 13, 174830181983245.	0.4	9
54	Dynamics of water conveying zinc oxide through divergent-convergent channels with the effect of nanoparticles shape when Joule dissipation are significant. PLoS ONE, 2021, 16, e0245208.	1.1	9

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55	Nanomechanical Concepts in Magnetically Guided Systems to Investigate the Magnetic Dipole Effect on Ferromagnetic Flow Past a Vertical Cone Surface. Coatings, 2021, 11, 1129.	1.2	9
56	Heat Transfer Effect on Viscoelastic Fluid Used as a Coating Material for Wire with Variable Viscosity. Coatings, 2020, 10, 163.	1.2	9
57	Impact of Volume Fraction and Hall Effect on Two-Phase Radiative Dusty Nanofluid Flow Over a Stretching Sheet. IEEE Access, 2019, 7, 138273-138287.	2.6	8
58	Entropy Generation in MHD Flow of Carbon Nanotubes in a Rotating Channel with Four Different Types of Molecular Liquids. International Journal of Heat and Technology, 2019, 37, 509-519.	0.3	8
59	Dufour and Soret Effect with Thermal Radiation on the Nano Film Flow of Williamson Fluid Past Over an Unsteady Stretching Sheet. Journal of Nanofluids, 2017, 6, 243-253.	1.4	7
60	Fluorescence descriptors for algal organic matter and microalgae disintegration during ultrasonication. Journal of Water Process Engineering, 2022, 45, 102517.	2.6	7
61	Thermal Radiation Effects on Unsteady Stagnation Point Nanofluid Flow in View of Convective Boundary Conditions. Mathematical Problems in Engineering, 2021, 2021, 1-13.	0.6	6
62	Analytical Solution of UCM Viscoelastic Liquid with Slip Condition and Heat Flux over Stretching Sheet: The Galerkin Approach. Mathematical Problems in Engineering, 2020, 2020, 1-7.	0.6	5
63	Investigation of Wire Coating Using Hydromagnetic Third-Grade Liquid for Coating along with Hall Current and Porous Medium. Mathematical Problems in Engineering, 2020, 2020, 1-8.	0.6	3
64	Impact of Magnetohydrodynamics on Stagnation Point Slip Flow due to Nonlinearly Propagating Sheet with Nonuniform Thermal Reservoir. Mathematical Problems in Engineering, 2020, 2020, 1-10.	0.6	3
65	Effects of chemical reaction, viscosity, thermal conductivity, heat source, radiation/absorption, on MHD mixed convection nano-fluids flow over an unsteady stretching sheet by HAM and numerical method. Advances in Mechanical Engineering, 2022, 14, 168781402210743.	0.8	3
66	Numerical simulation of electrically conducting and thermally radiative nanofluid flow in view of elongated slippery plates. AIP Advances, 2021, 11, 065019.	0.6	2
67	Soret and Dufour effect on the thin film flow over an unsteady stretching surface. AIP Conference Proceedings, 2016, , .	0.3	1
68	RK4 and HAM Solutions of Eyring–Powell Fluid Coating Material with Temperature-Dependent-Viscosity Impact of Porous Matrix on Wire Coating Filled in Coating Die: Cylindrical Co-ordinates. Polymers, 2021, 13, 3696.	2.0	1
69	Homotopic Solution for 3D Darcy–Forchheimer Flow of Prandtl Fluid through Bidirectional Extending Surface with Cattaneo–Christov Heat and Mass Flux Model. Complexity, 2021, 2021, 1-15.	0.9	1
70	Analytical Assessment of MHD Flow of Nanoliquid Subject to Thermal Radiation and Brownian Effect. Journal of Nanomaterials, 2022, 2022, 1-13.	1.5	1
71	Approximate Analytical Study of Time-Dependent MHD Casson Hybrid Nanofluid over a Stretching Sheet and Considering Thermal Radiation. Advances in Mathematical Physics, 2022, 2022, 1-11.	0.4	1
72	Mathematical Simulation of Heat Transfer in Thermally Magnetised Oldroyd-B Fluid in Sakiadis Rheology with a Heat Reservoir. Mathematics, 2022, 10, 1775.	1.1	1