

# Waris Khan

## List of Publications by Year in descending order

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72  
papers

1,946  
citations

236612

25  
h-index

301761

39  
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73  
all docs

73  
docs citations

73  
times ranked

930  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorescence descriptors for algal organic matter and microalgae disintegration during ultrasonication. <i>Journal of Water Process Engineering</i> , 2022, 45, 102517.	2.6	7
2	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. <i>Advances in Mechanical Engineering</i> , 2022, 14, 168781402210743.	0.8	3
3	Numerical computation of 3D Brownian motion of thin film nanofluid flow of convective heat transfer over a stretchable rotating surface. <i>Scientific Reports</i> , 2022, 12, 2708.	1.6	25
4	Numerical modeling of unsteady MHD flow of Casson fluid in a vertical surface with chemical reaction and Hall current. <i>Advances in Mechanical Engineering</i> , 2022, 14, 168781322210854.	0.8	12
5	Bidirectional flow of MHD nanofluid with Hall current and Cattaneo-Christove heat flux toward the stretching surface. <i>PLoS ONE</i> , 2022, 17, e0264208.	1.1	29
6	Analytical Assessment of MHD Flow of Nanoliquid Subject to Thermal Radiation and Brownian Effect. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-13.	1.5	1
7	Approximate Analytical Study of Time-Dependent MHD Casson Hybrid Nanofluid over a Stretching Sheet and Considering Thermal Radiation. <i>Advances in Mathematical Physics</i> , 2022, 2022, 1-11.	0.4	1
8	Mathematical Simulation of Heat Transfer in Thermally Magnetised Oldroyd-B Fluid in Sakiadis Rheology with a Heat Reservoir. <i>Mathematics</i> , 2022, 10, 1775.	1.1	1
9	Impact of viscous dissipation and coriolis effects in heat and mass transfer analysis of the 3D non-Newtonian fluid flow. <i>Case Studies in Thermal Engineering</i> , 2022, 37, 102289.	2.8	14
10	Dynamics of water conveying zinc oxide through divergent-convergent channels with the effect of nanoparticles shape when Joule dissipation are significant. <i>PLoS ONE</i> , 2021, 16, e0245208.	1.1	9
11	Development of Dynamic Model and Analytical Analysis for the Diffusion of Different Species in Non-Newtonian Nanofluid Swirling Flow. <i>Frontiers in Physics</i> , 2021, 8, .	1.0	13
12	Effects of Joule Heating and Viscous Dissipation on Magnetohydrodynamic Boundary Layer Flow of Jeffrey Nanofluid over a Vertically Stretching Cylinder. <i>Coatings</i> , 2021, 11, 353.	1.2	55
13	A convective flow of Williamson nanofluid through cone and wedge with non-isothermal and non-isosolutal conditions: A revised Buongiorno model. <i>Case Studies in Thermal Engineering</i> , 2021, 24, 100869.	2.8	46
14	Computational optimization for the deposition of bioconvection thin Oldroyd-B nanofluid with entropy generation. <i>Scientific Reports</i> , 2021, 11, 11641.	1.6	14
15	Thermal Radiation Effects on Unsteady Stagnation Point Nanofluid Flow in View of Convective Boundary Conditions. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-13.	0.6	6
16	Numerical simulation of electrically conducting and thermally radiative nanofluid flow in view of elongated slippery plates. <i>AIP Advances</i> , 2021, 11, 065019.	0.6	2
17	Nanomechanical Concepts in Magnetically Guided Systems to Investigate the Magnetic Dipole Effect on Ferromagnetic Flow Past a Vertical Cone Surface. <i>Coatings</i> , 2021, 11, 1129.	1.2	9
18	MHD stagnation point flow of hybrid nanofluid over a permeable cylinder with homogeneous and heterogenous reaction. <i>Physica Scripta</i> , 2021, 96, 035201.	1.2	13

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19	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. <i>Polymers</i> , 2021, 13, 3696.	2.0	1
20	Magnetohydrodynamic Hybrid Nanofluid Flow Past an Exponentially Stretching Sheet with Slip Conditions. <i>Mathematics</i> , 2021, 9, 3291.	1.1	11
21	Homotopic Solution for 3D Darcy-Forchheimer Flow of Prandtl Fluid through Bidirectional Extending Surface with Cattaneo-Christov Heat and Mass Flux Model. <i>Complexity</i> , 2021, 2021, 1-15.	0.9	1
22	Micropolar gold blood nanofluid flow and radiative heat transfer between permeable channels. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 186, 105197.	2.6	68
23	Entropy optimization in MHD nanofluid flow over a curved exponentially stretching surface with binary chemical reaction and Arrhenius activation energy. <i>Journal of Physics Communications</i> , 2020, 4, 075021.	0.5	12
24	Chemically reactive MHD micropolar nanofluid flow with velocity slips and variable heat source/sink. <i>Scientific Reports</i> , 2020, 10, 20926.	1.6	51
25	Emerging investigator series: quaternary treatment with algae-assisted oxidation for antibiotics removal and refractory organics degradation in livestock wastewater effluent. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 3262-3275.	1.2	12
26	Unsteady Ferrofluid Slip Flow in the Presence of Magnetic Dipole With Convective Boundary Conditions. <i>IEEE Access</i> , 2020, 8, 138551-138562.	2.6	15
27	Radiative mixed convection flow of maxwell nanofluid over a stretching cylinder with joule heating and heat source/sink effects. <i>Scientific Reports</i> , 2020, 10, 17823.	1.6	62
28	Investigation of Wire Coating Using Hydromagnetic Third-Grade Liquid for Coating along with Hall Current and Porous Medium. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-8.	0.6	3
29	Analysis of Eyring-Powell Fluid Flow Used as a Coating Material for Wire with Variable Viscosity Effect along with Thermal Radiation and Joule Heating. <i>Crystals</i> , 2020, 10, 168.	1.0	26
30	Analytical Solution of UCM Viscoelastic Liquid with Slip Condition and Heat Flux over Stretching Sheet: The Galerkin Approach. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-7.	0.6	5
31	Thermal Radiations and Mass Transfer Analysis of the Three-Dimensional Magnetite Carreau Fluid Flow Past a Horizontal Surface of Paraboloid of Revolution. <i>Processes</i> , 2020, 8, 656.	1.3	14
32	Impact of Magnetohydrodynamics on Stagnation Point Slip Flow due to Nonlinearly Propagating Sheet with Nonuniform Thermal Reservoir. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-10.	0.6	3
33	Heat Transfer Effect on Viscoelastic Fluid Used as a Coating Material for Wire with Variable Viscosity. <i>Coatings</i> , 2020, 10, 163.	1.2	9
34	Influence of MHD on Thermal Behavior of Darcy-Forchheimer Nanofluid Thin Film Flow over a Nonlinear Stretching Disc. <i>Coatings</i> , 2019, 9, 446.	1.2	21
35	A proof of concept study for wastewater reuse using bioelectrochemical processes combined with complementary post-treatment technologies. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1489-1498.	1.2	11
36	MHD and Slip Effect on Two-immiscible Third Grade Fluid on Thin Film Flow over a Vertical Moving Belt. <i>Open Physics</i> , 2019, 17, 575-586.	0.8	26

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37	Impact of Volume Fraction and Hall Effect on Two-Phase Radiative Dusty Nanofluid Flow Over a Stretching Sheet. <i>IEEE Access</i> , 2019, 7, 138273-138287.	2.6	8
38	Hall and Ion-Slip Effect on CNTS Nanofluid over a Porous Extending Surface through Heat Generation and Absorption. <i>Entropy</i> , 2019, 21, 801.	1.1	22
39	Unsteady squeezing flow of magnetohydrodynamic carbon nanotube nanofluid in rotating channels with entropy generation and viscous dissipation. <i>Advances in Mechanical Engineering</i> , 2019, 11, 168781401882310.	0.8	47
40	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. <i>Advances in Mechanical Engineering</i> , 2019, 11, 168781401985130.	0.8	17
41	Three dimensional Darcy-Forchheimer radiated flow of single and multiwall carbon nanotubes over a rotating stretchable disk with convective heat generation and absorption. <i>AIP Advances</i> , 2019, 9, 035031.	0.6	22
42	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. <i>Entropy</i> , 2019, 21, 492.	1.1	31
43	Impact of Nonlinear Thermal Radiation on MHD Nanofluid Thin Film Flow over a Horizontally Rotating Disk. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1533.	1.3	59
44	Influence of Cattaneo-Christov Heat Flux on MHD Jeffrey, Maxwell, and Oldroyd-B Nanofluids with Homogeneous-Heterogeneous Reaction. <i>Symmetry</i> , 2019, 11, 439.	1.1	31
45	Influence of Inclined Magnetic Field on Carreau Nanoliquid Thin Film Flow and Heat Transfer with Graphene Nanoparticles. <i>Energies</i> , 2019, 12, 1459.	1.6	55
46	Nanofluid thin film flow of Sisko fluid and variable heat transfer over an unsteady stretching surface with external magnetic field. <i>Journal of Algorithms and Computational Technology</i> , 2019, 13, 174830181983245.	0.4	9
47	An optimal analysis for Darcy-Forchheimer three-dimensional Williamson nanofluid flow over a stretching surface with convective conditions. <i>Advances in Mechanical Engineering</i> , 2019, 11, 168781401983351.	0.8	21
48	Radiative flow of magneto hydrodynamics single-walled carbon nanotube over a convectively heated stretchable rotating disk with velocity slip effect. <i>Advances in Mechanical Engineering</i> , 2019, 11, 168781401982771.	0.8	23
49	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. <i>Symmetry</i> , 2019, 11, 207.	1.1	52
50	Hall current and thermophoresis effects on magnetohydrodynamic mixed convective heat and mass transfer thin film flow. <i>Journal of Physics Communications</i> , 2019, 3, 035009.	0.5	46
51	Entropy Generation of Carbon Nanotubes Flow in a Rotating Channel with Hall and Ion-Slip Effect Using Effective Thermal Conductivity Model. <i>Entropy</i> , 2019, 21, 52.	1.1	33
52	Investigation of Two-Dimensional Viscoelastic Fluid with Nonuniform Heat Generation over Permeable Stretching Sheet with Slip Condition. <i>Complexity</i> , 2019, 2019, 1-8.	0.9	16
53	Entropy Generation in MHD Flow of Carbon Nanotubes in a Rotating Channel with Four Different Types of Molecular Liquids. <i>International Journal of Heat and Technology</i> , 2019, 37, 509-519.	0.3	8
54	Treatment of highly saline RO concentrate using <i>Scenedesmus quadricauda</i> for enhanced removal of refractory organic matter. <i>Desalination</i> , 2018, 430, 128-135.	4.0	41

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55	Flow and heat transfer in water based liquid film fluids dispensed with graphene nanoparticles. Results in Physics, 2018, 8, 1143-1157.	2.0	56
56	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
57	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
58	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
59	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
60	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
61	Radiative MHD thin film flow of Williamson fluid over an unsteady permeable stretching sheet. Heliyon, 2018, 4, e00825.	1.4	73
62	Slip flow of Eyring-Powell nanoliquid film containing graphene nanoparticles. AIP Advances, 2018, 8, .	0.6	70
63	Darcy-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
64	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
65	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
66	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
67	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
68	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
69	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
70	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
71	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
72	Soret and Dufour effect on the thin film flow over an unsteady stretching surface. AIP Conference Proceedings, 2016, .	0.3	1