Muhammad Qasim

List of Publications by Year
in descending order

97 papers	3,420 citations	147566 31 h-index	174990 52 g-index
97 all docs	97 docs citations	97 times ranked	1281 citing authors

#	Article	IF	Citations
1	Doubleâ€diffusive flow in a porous rightâ€angle trapezoidal enclosure with constant heat flux. Mathematical Methods in the Applied Sciences, 2022, 45, 3305-3317.	1.2	13
2	Flow over a Needle Moving in a Stream of Dissipative Fluid Having Variable Viscosity and Thermal Conductivity. Arabian Journal for Science and Engineering, 2021, 46, 7295-7302.	1.7	10
3	Flow of Water Based Nanofluid Containing Different Shapes of Cu Nanoparticles Embedded in a Porous Medium. International Journal of Applied and Computational Mathematics, 2021, 7, 1.	0.9	4
4	Influence of differently shaped copper nanoparticles in mixed convection flow through a curved wavy channel. AEJ - Alexandria Engineering Journal, 2021, 60, 3305-3314.	3.4	5
5	Analysis of three-dimensional stagnation point flow over a radiative surface. International Communications in Heat and Mass Transfer, 2021, 127, 105538.	2.9	7
6	Thermodynamic analysis of nonlinear convection in peristaltic flow. International Communications in Heat and Mass Transfer, 2021, 129, 105686.	2.9	8
7	Heat transfer enhancement using different shapes of Cu nanoparticles in the flow of water based nanofluid. Physica Scripta, 2020, 95, 055209.	1.2	37
8	Heat transfer enhancement in sodium alginate based magnetic and non-magnetic nanoparticles mixture hybrid nanofluid. Physica A: Statistical Mechanics and Its Applications, 2020, 550, 123957.	1.2	36
9	Entropy Generation in a Dissipative Nanofluid Flow under the Influence of Magnetic Dissipation and Transpiration. Energies, 2020, 13, 5506.	1.6	10
10	Mixed convection flow over a stretching sheet of variable thickness: Analytical and numerical solutions of selfâ€similar equations. Heat Transfer, 2020, 49, 3882-3899.	1.7	7
11	Investigation of Entropy in Two-Dimensional Peristaltic Flow with Temperature Dependent Viscosity, Thermal and Electrical Conductivity. Entropy, 2020, 22, 200.	1.1	11
12	Three-dimensional mixed convection flow with variable thermal conductivity and frictional heating. Communications in Theoretical Physics, 2020, 72, 035003.	1.1	5
13	Numerical Examination of the Entropic Energy Harvesting in a Magnetohydrodynamic Dissipative Flow of Stokesâ€™ Second Problem: Utilization of the Gear-Generalized Differential Quadrature Method. Journal of Non-Equilibrium Thermodynamics, 2019, 44, 385-403.	2.4	63
14	Entropy Generation in Cu-Al2O3-H2O Hybrid Nanofluid Flow over a Curved Surface with Thermal Dissipation. Entropy, 2019, 21, 941.	1.1	51
15	Theoretical study on rotating casson fluid in moving channel disk. Journal of Physics: Conference Series, 2019, 1366, 012039.	0.3	2
16	Second law analysis of Blasius flow with nonlinear Rosseland thermal radiation in the presence of viscous dissipation. Propulsion and Power Research, 2019, 8, 234-242.	2.0	21
17	Numerical Simulation of the Flow of Nano-Eyring-Powell Fluid through a Curved Artery with Time-Variant Stenosis and Aneurysm. Nihon Reoroji Gakkaishi, 2019, 47, 75-85.	0.2	20
18	Thermodynamic Analysis of Entropy Generation Minimization in Thermally Dissipating Flow Over a Thin Needle Moving in a Parallel Free Stream of Two Newtonian Fluids. Entropy, 2019, 21, 74.	1.1	20

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19	Numerical Simulation of MHD Peristaltic Flow with Variable Electrical Conductivity and Joule Dissipation Using Generalized Differential Quadrature Method. Communications in Theoretical Physics, 2019, 71, 509.	1.1	62
20	Influence of Variable Transport Properties on Nonlinear Radioactive Jeffrey Fluid Flow Over a Disk: Utilization of Generalized Differential Quadrature Method. Arabian Journal for Science and Engineering, 2019, 44, 5987-5996.	1.7	62
21	Second Law Analysis of Unsteady MHD Viscous Flow over a Horizontal Stretching Sheet Heated Non-Uniformly in the Presence of Ohmic Heating: Utilization of Gear-Generalized Differential Quadrature Method. Entropy, 2019, 21, 240.	1.1	29
22	Second Law Analysis of Dissipative Nanofluid Flow over a Curved Surface in the Presence of Lorentz Force: Utilization of the Chebyshevâ€“Gaussâ€“Lobatto Spectral Method. Nanomaterials, 2019, 9, 195.	1.9	54
23	Entropy Generation Due to Heat and Mass Transfer in a Flow of Dissipative Elastic Fluid Through a Porous Medium. Journal of Heat Transfer, 2019, 141, .	1.2	29
24	Heat Transfer Analysis of Cuâ€“Al₂O₃â€“Water and Cuâ€“Al₂O₃â€“Kerosene Oil Hybrid Nanofluids in the Presence of Frictional Heating: Using 3-Stage Lobatto IIIA Formula. Journal of Nanofluids, 2019, 8, 885-891.	1.4	30
25	Efficient numerical scheme for solving the Allenâ€Cahn equation. Numerical Methods for Partial Differential Equations, 2018, 34, 1820-1833.	2.0	20
26	Entropy generation and heat transfer in boundary layer flow over a thin needle moving in a parallel stream in the presence of nonlinear Rosseland radiation. International Journal of Thermal Sciences, 2018, 123, 117-128.	2.6	95
27	Entropy Generation in Three Dimensional Flow of Dissipative Fluid. International Journal of Applied and Computational Mathematics, 2018, 4, 1.	0.9	18
28	Effects of Energy Dissipation and Variable Thermal Conductivity on Entropy Generation Rate in Mixed Convection Flow. Journal of Thermal Science and Engineering Applications, 2018, 10, .	0.8	17
29	Nonlinear Rosseland thermal radiation and energy dissipation effects on entropy generation in CNTs suspended nanofluids flow over a thin needle. Boundary Value Problems, 2018, 2018, .	0.3	30
30	Entropy Generation Minimization in MHD Boundary Layer Flow over a Slendering Stretching Sheet in the Presence of Frictional and Joule Heating. Journal of the Korean Physical Society, 2018, 73, 1303-1309.	0.3	23
31	Irreversibility Analysis of Dissipative Fluid Flow Over A Curved Surface Stimulated by Variable Thermal Conductivity and Uniform Magnetic Field: Utilization of Generalized Differential Quadrature Method. Entropy, 2018, 20, 943.	1.1	30
32	Minimization of Entropy Production in Three Dimensional Dissipative Flow of Nanofluid with Graphene Nanoparticles: A Numerical Study. Defect and Diffusion Forum, 2018, 387, 157-165.	0.4	5
33	Transpiration and Viscous Dissipation Effects on Entropy Generation in Hybrid Nanofluid Flow over a Nonlinear Radially Stretching Disk. Entropy, 2018, 20, 668.	1.1	74
34	Entropy generation in MHD mixed convection stagnation-point flow in the presence of joule and frictional heating. Case Studies in Thermal Engineering, 2018, 12, 292-300.	2.8	39
35	Second Law Analysis of Dissipative Flow over a Riga Plate with Non-Linear Rosseland Thermal Radiation and Variable Transport Properties. Entropy, 2018, 20, 615.	1.1	15
36	Comparative Study and Entropy Generation Analysis of Cuâ€“H₂O and Agâ€“H₂O Nanofluids Flow Over a Slendering Stretching Surface. Journal of Nanofluids, 2018, 7, 783-790.	1.4	17

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37	Entropy Generation Analysis of Spherical and Non-Spherical Ag-Water Nanofluids in a Porous Medium with Magnetic and Porous Dissipation. Journal of Nanofluids, 2018, 7, 951-960.	1.4	12
38	Second Law Analysis of Three Dimensional Dissipative Flow of Hybrid Nanofluid. Journal of Nanofluids, 2018, 7, 1272-1280.	1.4	32
39	Dual Solutions of MHD Boundary Layer Flow of a Micropolar Fluid with Weak Concentration over a Stretching/Shrinking Sheet. Communications in Theoretical Physics, 2017, 67, 449.	1.1	19
40	Second Law Analysis of Boundary Layer Flow With Variable Fluid Properties. Journal of Heat Transfer, 2017, 139, .	1.2	23
41	Blood flow analysis with considering nanofluid effects in vertical channel. Applied Nanoscience (Switzerland), 2017, 7, 193-199.	1.6	27
42	Entropy generation in hydromagnetic boundary flow under the effects of frictional and Joule heating: Exact solutions. European Physical Journal Plus, 2017, 132, 1.	1.2	20
43	Closed form dual nature solutions of fluid flow and heat transfer over a stretching/shrinking sheet in a porous medium. Chinese Journal of Physics, 2017, 55, 1284-1293.	2.0	43
44	Entropy Generation in Magnetohydrodynamic Mixed Convection Flow over an Inclined Stretching Sheet. Entropy, 2017, 19, 10.	1.1	35
45	Analysis of Entropy Generation in Flow of Methanol-Based Nanofluid in a Sinusoidal Wavy Channel. Entropy, 2017, 19, 490.	1.1	34
46	Impact of Linear Operator on the Convergence of HAM Solution: a Modified Operator Approach. Advances in Applied Mathematics and Mechanics, 2016, 8, 499-516.	0.7	2
47	Heat and mass transfer in nanofluid thin film over an unsteady stretching sheet using Buongiornoâ€™s model. European Physical Journal Plus, 2016, 131, 1.	1.2	75
48	Stagnation-Point Flow by an Exponentially Stretching Sheet in the Presence of Viscous Dissipation and Thermal Radiation. Journal of Aerospace Engineering, 2016, 29, 04015046.	0.8	5
49	MHD Fluid Flow and Heat Transfer of Micropolar Ferrofluids Over a Stretching Sheet. Journal of Nanofluids, 2016, 5, 567-573.	1.4	4
50	MHD pressure driven flow of nanofluid in curved channel. Journal of Magnetism and Magnetic Materials, 2015, 393, 490-497.	1.0	42
51	Influence of Hall Current and Viscous Dissipation on Pressure Driven Flow of Pseudoplastic Fluid with Heat Generation: A Mathematical Study. PLoS ONE, 2015, 10, e0129588.	1.1	10
52	Unsteady stagnation point flow of second grade fluid with variable free stream. AEJ - Alexandria Engineering Journal, 2014, 53, 455-461.	3.4	19
53	Soret and Dufour effects on the flow of an Erying-Powell fluid over a flat plate with convective boundary condition. European Physical Journal Plus, 2014, 129, 1.	1.2	11
54	Three-dimensional stretched flow via convective boundary condition and heat generation/absorption. International Journal of Numerical Methods for Heat and Fluid Flow, 2014, 24, 342-358.	1.6	42

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55	Heat transfer in the boundary layer flow of a Casson fluid over a permeable shrinking sheet with viscous dissipation. European Physical Journal Plus, 2014, 129, 1.	1.2	36
56	Radiative Maxwell Fluid Flow with Variable Thermal Conductivity due to a Stretching Surface in a Porous Medium. Journal of Aerospace Engineering, 2014, 27, 04014023.	0.8	7
57	MHD Stagnation Point Ferrofluid Flow and Heat Transfer Toward a Stretching Sheet. IEEE Nanotechnology Magazine, 2014, 13, 35-40.	1.1	47
58	Thermally Stratified Radiative Flow of Third Grade Fluid over a Stretching Surface. Journal of Thermophysics and Heat Transfer, 2014, 28, 155-161.	0.9	21
59	Peristaltic Flow with Inclined Magnetic Field and Convective Boundary Conditions. Applied Bionics and Biomechanics, 2014, 11, 61-67.	0.5	9
60	MHD Boundary Layer Slip Flow and Heat Transfer of Ferrofluid along a Stretching Cylinder with Prescribed Heat Flux. PLoS ONE, 2014, 9, e83930.	1.1	96
61	Mixed convection flow by a porous sheet with variable thermal conductivity and convective boundary condition. Brazilian Journal of Chemical Engineering, 2014, 31, 109-117.	0.7	23
62	Mixed convection heat and mass transfer in peristaltic flow with chemical reaction and inclined magnetic field. Indian Journal of Physics, 2013, 87, 889-896.	0.9	18
63	Boundary layer flow of Maxwell fluid with power law heat flux and heat source. International Journal of Numerical Methods for Heat and Fluid Flow, 2013, 23, 1225-1241.	1.6	11
64	Heat and mass transfer in a Jeffrey fluid over a stretching sheet with heat source/sink. AEJ - Alexandria Engineering Journal, 2013, 52, 571-575.	3.4	111
65	Combined thermal stratified and thermal radiation effects in mixed-convection flow of a thixotropic fluid. European Physical Journal Plus, 2013, 128, 1.	1.2	26
66	Heat Transfer in a Micropolar Fluid over a Stretching Sheet with Newtonian Heating. PLoS ONE, 2013, 8, e59393.	1.1	102
67	Peristaltic flow of MHD Eyring-Powell fluid in a channel. European Physical Journal Plus, 2013, 128, 1.	1.2	22
68	Heat Transfer and Mass Diffusion in Nanofluids over a Moving Permeable Convective Surface. Mathematical Problems in Engineering, 2013, 2013, 1-7.	0.6	15
69	Flow of an Eyring-Powell Fluid with Convective Boundary Conditions. Journal of Mechanics, 2013, 29, 217-224.	0.7	12
70	Influence of Heat and Mass Transfer on the Peristaltic Transport of a Phan-Thienâ€“Tanner Fluid. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2013, 68, 751-758.	0.7	7
71	Effects of mass transfer on MHD flow of casson fluid with chemical reaction and suction. Brazilian Journal of Chemical Engineering, 2013, 30, 187-195.	0.7	138
72	Falkner-Skan Flow of a Maxwell Fluid with Heat Transfer and Magnetic Field. International Journal of Engineering Mathematics, 2013, 2013, 1-7.	0.2	3

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73	Heat Transfer in a Couple Stress Fluid over a Continuous Moving Surface with Internal Heat Generation and Convective Boundary Conditions. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2012, 67, 217-224.	0.7	9
74	Radiative Flow with Variable Thermal Conductivity in Porous Medium. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2012, 67, 153-159.	0.7	16
75	Radiation Effect on the Mixed Convection Flow of a Viscoelastic Fluid Along an Inclined Stretching Sheet. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2012, 67, 195-202.	0.7	15
76	Boundary layer flow of a Jeffrey fluid with convective boundary conditions. International Journal for Numerical Methods in Fluids, 2012, 69, 1350-1362.	0.9	36
77	Steady flow of a Williamson fluid past a porous plate. Asia-Pacific Journal of Chemical Engineering, 2012, 7, 302-306.	0.8	13
78	Steady flow of an Eyring Powell fluid over a moving surface with convective boundary conditions. International Journal of Heat and Mass Transfer, 2012, 55, 1817-1822.	2.5	163
79	Radiative flow of Jeffery fluid in a porous medium with power law heat flux and heat source. Nuclear Engineering and Design, 2012, 243, 15-19.	0.8	114
80	Threeâ€dimensional flow of an elasticoâ€viscous fluid with mass transfer. International Journal for Numerical Methods in Fluids, 2011, 66, 194-211.	0.9	11
81	Radiation and magnetic field effects on the unsteady mixed convection flow of a second grade fluid over a vertical stretching sheet. International Journal for Numerical Methods in Fluids, 2011, 66, 820-832.	0.9	37
82	MHD flow and heat transfer over permeable stretching sheet with slip conditions. International Journal for Numerical Methods in Fluids, 2011, 66, 963-975.	0.9	179
83	Mixed convection flow of a micropolar fluid with radiation and chemical reaction. International Journal for Numerical Methods in Fluids, 2011, 67, 1418-1436.	0.9	50
84	Effects of slip conditions on stretching flow with ohmic dissipation and thermal radiation. Heat Transfer - Asian Research, 2011, 40, 641-654.	2.8	13
85	Effects of mass transfer on the stagnation point flow of an upper-convected Maxwell (UCM) fluid. International Journal of Heat and Mass Transfer, 2011, 54, 3777-3782.	2.5	74
86	Steady Flow of Maxwell Fluid with Convective Boundary Conditions. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2011, 66, 417-422.	0.7	35
87	Thermal Radiation Effects on the Mixed Convection Stagnation-Point Flow in a Jeffery Fluid. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2011, 66, 606-614.	0.7	24
88	Flow of a second grade fluid with convective boundary conditions. Thermal Science, 2011, 15, 253-261.	0.5	54
89	Influence of thermal radiation and Joule heating on MHD flow of a Maxwell fluid in the presence of thermophoresis. International Journal of Heat and Mass Transfer, 2010, 53, 4780-4788.	2.5	159
90	Homotopy solution for the unsteady three-dimensional MHD flow and mass transfer in a porous space. Communications in Nonlinear Science and Numerical Simulation, 2010, 15, 2375-2387.	1.7	100

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91	Radiation and Mass Transfer Effects on the Magnetohydrodynamic Unsteady Flow Induced by a Stretching Sheet. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2010, 65, 231-239.	0.7	68
92	Effects of Thermal Radiation on Unsteady Magnetohydrodynamic Flow of a Micropolar Fluid with Heat and Mass Transfer. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2010, 65, 950-960.	0.7	17
93	Magnetohydrodynamic Flow and Mass Transfer of a Jeffery Fluid over a Nonlinear Stretching Surface. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2010, 65, 1111-1120.	0.7	21
94	A generalized differential quadrature algorithm for simulating magnetohydrodynamic peristaltic flow of bloodâ€based nanofluid containing magnetite nanoparticles: A physiological application. Numerical Methods for Partial Differential Equations, 0, , .	2.0	55
95	Natural convection in triangular finâ€shaped cavity with partially heated base using nanofluid. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 0, , e202000306.	0.9	4
96	A comprehensive entropic scrutiny of dissipative flows over a thin needle featured by variable thermophysical properties. Waves in Random and Complex Media, 0, , 1-17.	1.6	5
97	Numerical simulation of entropy transport in the oscillating fluid flow with transpiration and internal fluid heating by GGDQM. Waves in Random and Complex Media, 0, , 1-19.	1.6	10