Umar Khan

List of Publications by Citations

143 papers	2,241 citations	28 h-index	40 g-index
154 ext. papers	2,691 ext. citations	3.1 avg, IF	5.71 L-index

#	Paper	IF	Citations
143	On heat and mass transfer analysis for the flow of a nanofluid between rotating parallel plates. *Aerospace Science and Technology*, **2015**, 46, 514-522	4.9	115
142	Numerical investigation for three dimensional squeezing flow of nanofluid in a rotating channel with lower stretching wall suspended by carbon nanotubes. *Applied Thermal Engineering*, **2017**, 113, 1107-1117	5.8	110
141	Heat transfer effects on carbon nanotubes suspended nanofluid flow in a channel with non-parallel walls under the effect of velocity slip boundary condition: a numerical study. *Neural Computing and Applications*, **2017**, 28, 37-46	4.8	83
140	Magnetohydrodynamic Flow and Heat Transfer of Nanofluids in Stretchable Convergent/Divergent Channels. *Applied Sciences (Switzerland)*, **2015**, 5, 1639-1664	2.6	68
139	Analytical and numerical investigation of thermal radiation effects on flow of viscous incompressible fluid with stretchable convergent/divergent channels. *Journal of Molecular Liquids*, **2016**, 224, 768-775	6	56
138	Influence of thermal radiation and viscous dissipation on squeezed flow of water between Riga plates saturated with carbon nanotubes. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2017**, 522, 389-398	5.1	54
137	Thermal Analysis of Nanofluid Flow over a Curved Stretching Surface Suspended by Carbon Nanotubes with Internal Heat Generation. *Applied Sciences (Switzerland)*, **2018**, 8, 395	2.6	50
136	Nonlinear radiation effects on MHD flow of nanofluid over a nonlinearly stretching/shrinking wedge. *Neural Computing and Applications*, **2017**, 28, 2041-2050	4.8	47
135	A novel coupling of (CNT-Fe3O4/H2O) hybrid nanofluid for improvements in heat transfer for flow in an asymmetric channel with dilating/squeezing walls. *International Journal of Heat and Mass Transfer*, **2019**, 136, 186-195	4.9	47
134	Effects of viscous dissipation and slip velocity on two-dimensional and axisymmetric squeezing flow of Cu-water and Cu-kerosene nanofluids. *Propulsion and Power Research*, **2015**, 4, 40-49	3.6	45
133	Thermo-diffusion, diffusion-thermo and chemical reaction effects on MHD flow of viscous fluid in divergent and convergent channels. *Chemical Engineering Science*, **2016**, 141, 17-27	4.4	45
132	Exact traveling wave solutions of fractional order Boussinesq-like equations by applying Exp-function method. *Results in Physics*, **2018**, 8, 114-120	3.7	44
131	Thermo-diffusion and diffusion-thermo effects on flow of second grade fluid between two inclined plane walls. *Journal of Molecular Liquids*, **2016**, 224, 1074-1082	6	44
130	MHD squeezing flow between two infinite plates. *Ain Shams Engineering Journal*, **2014**, 5, 187-192	4.4	42
129	Thermophysical Analysis of Water Based (Cu–Al2O3) Hybrid Nanofluid in an Asymmetric Channel with Dilating/Squeezing Walls Considering Different Shapes of Nanoparticles. *Applied Sciences (Switzerland)*, **2018**, 8, 1549	2.6	41
128	Analysis of magnetohydrodynamic flow and heat transfer of Cu–water nanofluid between parallel plates for different shapes of nanoparticles. *Neural Computing and Applications*, **2018**, 29, 695-703	4.8	40
127	Unsteady radiative flow of chemically reacting fluid over a convectively heated stretchable surface with cross-diffusion gradients. *International Journal of Thermal Sciences*, **2017**, 121, 182-191	4.1	40

126	Thermo-diffusion effects on MHD stagnation point flow towards a stretching sheet in a nanofluid. *Propulsion and Power Research*, **2014**, 3, 151-158	3.6	39
125	On unsteady two-dimensional and axisymmetric squeezing flow between parallel plates. *AEJ - Alexandria Engineering Journal*, **2014**, 53, 463-468	6.1	38
124	Convective heat transfer and thermo-diffusion effects on flow of nanofluid towards a permeable stretching sheet saturated by a porous medium. *Aerospace Science and Technology*, **2016**, 50, 196-203	4.9	37
123	Heat transfer enhancement in hydromagnetic dissipative flow past a moving wedge suspended by 2-aluminum alloy nanoparticles in the presence of thermal radiation. *International Journal of Hydrogen Energy*, **2017**, 42, 24634-24644	6.7	35
122	Heat and mass transfer analysis for MHD flow of nanofluid inconvergent/divergent channels with stretchable walls using Buongiorno model. *Neural Computing and Applications*, **2017**, 28, 4079-4092	4.8	34
121	Influence of an effective Prandtl number model on squeezed flow of Al_2O_3-H_2O and Al_2O_3-$C_2H_6O_2$ nanofluids. *Journal of Molecular Liquids*, **2017**, 238, 447-454	6	34
120	Differential transform method for unsteady nanofluid flow and heat transfer. *AEJ - Alexandria Engineering Journal*, **2018**, 57, 1867-1875	6.1	34
119	Extracting new solitary wave solutions of Benny-Luke equation and Phi-4 equation of fractional order by using (G?/G)-expansion method. *Optical and Quantum Electronics*, **2017**, 49, 1	2.4	32
118	3D squeezed flow of Al_2O_3-H_2O and Al_2O_3-$C_2H_6O_2$ nanofluids: A numerical study. *International Journal of Hydrogen Energy*, **2017**, 42, 24620-24633	6.7	30
117	Khater method for nonlinear Sharma Tasso-Olever (STO) equation of fractional order. *Results in Physics*, **2017**, 7, 4440-4450	3.7	30
116	A study of heat and mass transfer on magnetohydrodynamic (MHD) flow of nanoparticles. *Propulsion and Power Research*, **2018**, 7, 72-77	3.6	29
115	Exact solutions of (3 + 1)-dimensional generalized KP equation arising in physics. *Results in Physics*, **2017**, 7, 3901-3909	3.7	28
114	A Study of Velocity and Temperature Slip Effects on Flow of Water Based Nanofluids in Converging and Diverging Channels. *International Journal of Applied and Computational Mathematics*, **2015**, 1, 569-587	1.3	28
113	MHD FLOW OF AN INCOMPRESSIBLE FLUID THROUGH POROUS MEDIUM BETWEEN DILATING AND SQUEEZING PERMEABLE WALLS. *Journal of Porous Media*, **2014**, 17, 861-867	2.9	28
112	Effects on magnetic field in squeezing flow of a Casson fluid between parallel plates. *Journal of King Saud University - Science*, **2017**, 29, 119-125	3.6	27
111	Soret and Dufour effects on Jeffery-Hamel flow of second-grade fluid between convergent/divergent channel with stretchable walls. *Results in Physics*, **2017**, 7, 361-372	3.7	26
110	Soret and Dufour effects on flow in converging and diverging channels with chemical reaction. *Aerospace Science and Technology*, **2016**, 49, 135-143	4.9	25
109	Influence of nonlinear thermal radiation on the viscous flow through a deformable asymmetric porous channel: A numerical study. *Journal of Molecular Liquids*, **2017**, 225, 167-173	6	23

108	Heat transfer analysis for squeezing flow between parallel disks. *Journal of the Egyptian Mathematical Society*, **2015**, 23, 445-450	2.2	21
107	Nonlinear radiation effects on flow of nanofluid over a porous wedge in the presence of magnetic field. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2017**, 27, 48-63	4.5	18
106	On Combined Effects of Heat Transfer and Chemical Reaction for the Flow through an Asymmetric Channel with Orthogonally Deformable Porous Walls. *Mathematical Problems in Engineering*, **2016**, 2016, 1-10	1.1	18
105	Influence of viscous dissipation and Joule heating on MHD bio-convection flow over a porous wedge in the presence of nanoparticles and gyrotactic microorganisms. *SpringerPlus*, **2016**, 5, 2043		18
104	A New Modification in Simple Equation Method and its applications on nonlinear equations of physical nature. *Results in Physics*, **2017**, 7, 4232-4240	3.7	17
103	Heat transfer analysis for squeezing flow of a Casson fluid between parallel plates. *Ain Shams Engineering Journal*, **2016**, 7, 497-504	4.4	17
102	MHD flow of radiative micropolar nanofluid in a porous channel: optimal and numerical solutions. *Neural Computing and Applications*, **2018**, 29, 793-801	4.8	16
101	A BIOCONVECTION MODEL FOR MHD FLOW AND HEAT TRANSFER OVER A POROUS WEDGE CONTAINING BOTH NANOPARTICLES AND GYROTATIC MICROORGANISMS. *Journal of Biological Systems*, **2016**, 24, 409-429	1.6	16
100	Spherical Shaped ($Ag\text{–}Fe_3O_4/H_2O$) Hybrid Nanofluid. *Energies*, **2019**, 12, 76	3.1	16
99	Optimal solutions for homogeneous and non-homogeneous equations arising in physics. *Results in Physics*, **2017**, 7, 216-224	3.7	15
98	Influence of shape factor on flow of magneto-nanofluid squeezed between parallel disks. *AEJ - Alexandria Engineering Journal*, **2018**, 57, 1893-1903	6.1	15
97	Nonlinear Thermal Radiation and Chemical Reaction Effects on a (Cu–CuO)/NaAlg Hybrid Nanofluid Flow Past a Stretching Curved Surface. *Processes*, **2019**, 7, 962	2.9	15
96	A bioconvection model for a squeezing flow of nanofluid between parallel plates in the presence of gyrotactic microorganisms. *European Physical Journal Plus*, **2017**, 132, 1	3.1	14
95	A finite element investigation of the flow of a Newtonian fluid in dilating and squeezing porous channel under the influence of nonlinear thermal radiation. *Neural Computing and Applications*, **2018**, 29, 501-508	4.8	13
94	Shape effects of nanoparticles on the squeezed flow between two Riga plates in the presence of thermal radiation. *European Physical Journal Plus*, **2017**, 132, 1	3.1	13
93	Modified heat transfer flow model for SWCNTs-H2O and MWCNTs-H2O over a curved stretchable semi infinite region with thermal jump and velocity slip: A numerical simulation. *Physica A: Statistical Mechanics and Its Applications*, **2020**, 545, 123431	3.3	13
92	Some exact solutions of the nonlinear space–time fractional differential equations. *Waves in Random and Complex Media*, **2019**, 29, 645-664	1.9	13
91	MHD nanofluid flow through a deformable asymmetric porous channel. *Engineering Computations*, **2017**, 34, 852-868	1.4	12

90	Effects of Viscous Dissipation and Convective Boundary Conditions on Blasius and Sakiadis Problems for Casson Fluid. *The National Academy of Sciences, India*, **2015**, 38, 247-250	0.6	12
89	Thermal Transport Investigation in Magneto-Radiative GO-MoS/HO-CHO Hybrid Nanofluid Subject to Cattaneo-Christov Model. *Molecules*, **2020**, 25,	4.8	12
88	Some new exact solitary wave solutions of the van der Waals model arising in nature. *Results in Physics*, **2018**, 9, 648-655	3.7	12
87	Flow of carbon nanotubes suspended nanofluid in stretchable non-parallel walls. *Neural Computing and Applications*, **2018**, 30, 2859-2871	4.8	12
86	Influence of viscous dissipation on a copper oxide nanofluid in an oblique channel: Implementation of the KKL model. *European Physical Journal Plus*, **2017**, 132, 1	3.1	11
85	Impact of an effective Prandtl number model and across mass transport phenomenon on the Al_2O_3 nanofluid flow inside a channel. *Physica A: Statistical Mechanics and Its Applications*, **2019**, 526, 121083	3.3	11
84	A theoretical investigation of unsteady thermally stratified flow of Al_2O_3-H_2O and Al_2O_3-$C_2H_6O_2$ nanofluids through a thin slit. *Journal of Physics and Chemistry of Solids*, **2018**, 119, 296-308	3.9	11
83	A Novel Hybrid Model for Cu-Al_2O_3/H_2O Nanofluid Flow and Heat Transfer in Convergent/Divergent Channels. *Energies*, **2020**, 13, 1686	3.1	10
82	Flow of a radioactive Casson fluid through a deformable asymmetric porous channel. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2017**, 27, 2115-2130	4.5	10
81	Optimal solutions for the evolution of a social obesity epidemic model. *European Physical Journal Plus*, **2017**, 132, 1	3.1	9
80	Heat transfer intensification in hydromagnetic and radiative 3D unsteady flow regimes: A comparative theoretical investigation for aluminum and aluminum oxides nanoparticles. *Journal of Central South University*, **2019**, 26, 1233-1249	2.1	9
79	Investigation of Thermal Transport in Multi-Shaped Cu Nanomaterial-Based Nanofluids. *Materials*, **2020**, 13,	3.5	9
78	Nanofluid Thermal Transport between Parallel Plates Suspended by Micro-Cantilever Sensor by Incorporating the Effective Prandtl Model: Applications to Biological and Medical Sciences. *Molecules*, **2020**, 25,	4.8	9
77	Thermal radiation effects on flow of Jeffery fluid in converging and diverging stretchable channels. *Neural Computing and Applications*, **2018**, 30, 2371-2379	4.8	9
76	Numerical investigation of magnetohydrodynamic flow and heat transfer of copper-water nanofluid in a channel with non-parallel walls considering different shapes of nanoparticles. *Advances in Mechanical Engineering*, **2016**, 8, 168781401663731	1.2	9
75	Stoke's First Problem for Carbon Nanotubes Suspended Nanofluid Flow Under the Effect of Slip Boundary Condition. *Journal of Nanofluids*, **2016**, 5, 239-244	2.2	9
74	Heat Transfer Enhancement by Coupling of Carbon Nanotubes and SiO2 Nanofluids: A Numerical Approach. *Processes*, **2019**, 7, 937	2.9	9
73	Thermal improvement in magnetized nanofluid for multiple shapes nanoparticles over radiative rotating disk. *AEJ - Alexandria Engineering Journal*, **2021**, 61, 2318-2318	6.1	9

72	A numerical study of thermo-diffusion, diffusion-thermo and chemical reaction effects on flow of a micropolar fluid in an asymmetric channel with dilating and contracting permeable walls. *Engineering Computations*, **2017**, 34, 587-602	1.4	8
71	Applications of Nanofluids for the Thermal Enhancement in Radiative and Dissipative Flow over a Wedge. *Applied Sciences (Switzerland)*, **2019**, 9, 1976	2.6	8
70	A new modification in the exponential rational function method for nonlinear fractional differential equations. *European Physical Journal Plus*, **2018**, 133, 1	3.1	8
69	Optimal variational iteration method for nonlinear problemsPeer review under responsibility of University of Bahrain.View all notes. *Journal of the Association of Arab Universities for Basic and Applied Sciences*, **2017**, 24, 191-197		7
68	Influence of the shape factor on the flow and heat transfer of a water-based nanofluid in a rotating system. *European Physical Journal Plus*, **2017**, 132, 1	3.1	7
67	Influence of thermal and concentration gradients on unsteady flow over a stretchable surface. *Results in Physics*, **2017**, 7, 3153-3162	3.7	7
66	Modified MHD Radiative Mixed Convective Nanofluid Flow Model with Consideration of the Impact of Freezing Temperature and Molecular Diameter. *Symmetry*, **2019**, 11, 833	2.7	7
65	Some new solutions of the CaudreyDoddGibbon (CDG) equation using the conformable derivative. *Advances in Difference Equations*, **2019**, 2019,	3.6	7
64	Exact solutions of perturbed nonlinear Schrdingers equation with Kerr law nonlinearity by improved ({\textbf{tan}} \left({\frac{{\boldsymbol{phi}} \left({\boldsymbol{xi} \right)}{{\textbf{2}}}} \right))-expansion method. *Optical and Quantum Electronics*, **2018**, 50, 1	2.4	7
63	Optimal solutions for a bio mathematical model for the evolution of smoking habit. *Results in Physics*, **2017**, 7, 510-517	3.7	6
62	Optimal variational iteration method using Adomians polynomials for physical problems on finite and semi-infinite intervals. *European Physical Journal Plus*, **2017**, 132, 1	3.1	6
61	Stimulations of Thermophysical Characteristics of Nano-Diamond and Silver Nanoparticles for Nonlinear Radiative Curved Surface Flow. *IEEE Access*, **2019**, 7, 55509-55517	3.5	6
60	Impacts of Freezing Temperature Based Thermal Conductivity on the Heat Transfer Gradient in Nanofluids: Applications for a Curved Riga Surface. *Molecules*, **2020**, 25,	4.8	6
59	Radiative Colloidal Investigation for Thermal Transport by Incorporating the Impacts of Nanomaterial and Molecular Diameters (d, d): Applications in Multiple Engineering Systems. *Molecules*, **2020**, 25,	4.8	6
58	Heat and mass transport investigation in radiative and chemically reacting fluid over a differentially heated surface and internal heating. *Open Physics*, **2020**, 18, 842-852	1.3	6
57	Thermal Radiation Effects on Squeezing Flow Casson Fluid between Parallel Disks. *Communications in Numerical Analysis*, **2016**, 2016, 92-107	0	6
56	Hidden phenomena of MHD on 3D squeezed flow of radiative-H2O suspended by aluminum alloys nanoparticles. *European Physical Journal Plus*, **2020**, 135, 1	3.1	6
55	Thermal transport investigation in AA7072 and AA7075 aluminum alloys nanomaterials based radiative nanofluids by considering the multiple physical flow conditions. *Scientific Reports*, **2021**, 11, 9837	4.9	6

54	An approach for approximate solution of fractional-order smoking model with relapse class. *International Journal of Biomathematics*, **2018**, 11, 1850077	1.8	6
53	Variation of Parameters Method for Heat Diffusion and Heat Convection Equations. *International Journal of Applied and Computational Mathematics*, **2017**, 3, 185-193	1.3	5
52	On Mixed Convection Squeezing Flow of Nanofluids. *Energies*, **2020**, 13, 3138	3.1	5
51	Improved tan(left({frac{{phi left(varvec{xi}right)}}{2}} right))-expansion method for (2 + 1)-dimensional KPBBM wave equation. *Optical and Quantum Electronics*, **2018**, 50, 1	2.4	5
50	Flow of ferro-magnetic nanoparticles in a rotating system: a numerical investigation of particle shapes. *Indian Journal of Physics*, **2018**, 92, 969-977	1.4	5
49	Drag Reduction on a Square Cylinder using Multiple Detached Control Cylinders. *KSCE Journal of Civil Engineering*, **2018**, 22, 2023-2034	1.9	5
48	Flow of magneto-nanofluid over a thermally stratified bi-directional stretching sheet in the presence of Ohmic heating. *Engineering Computations*, **2017**, 34, 2499-2513	1.4	5
47	Comparative thermal transport mechanism in Cu-H2O and Cu-Al2O3/H2O nanofluids: numerical investigation. *Waves in Random and Complex Media*,1-16	1.9	5
46	Influence of Joule Heating and Viscous Dissipation on MHD Flow and Heat Transfer of Viscous Fluid in Converging/Diverging Stretchable Channels. *Journal of Nanofluids*, **2017**, 6, 254-263	2.2	5
45	Numerical Investigation of Heat and Mass Transport in the Flow over a Magnetized Wedge by Incorporating the Effects of Cross-Diffusion Gradients: Applications in Multiple Engineering Systems. *Mathematical Problems in Engineering*, **2020**, 2020, 1-10	1.1	5
44	Effects of Velocity Slip on MHD Flow of a Non-Newtonian Fluid in Converging and Diverging Channels. *International Journal of Applied and Computational Mathematics*, **2016**, 2, 469-483	1.3	4
43	Particle shape, thermal radiations, viscous dissipation and joule heating effects on flow of magneto-nanofluid in a rotating system. *Engineering Computations*, **2017**, 34, 2479-2498	1.4	4
42	A conformable mathematical model for alcohol consumption in Spain. *International Journal of Biomathematics*, **2019**, 12, 1950057	1.8	4
41	Analytical approach to study a mathematical model of CD4+T-cells. *International Journal of Biomathematics*, **2018**, 11, 1850056	1.8	4
40	Heat transfer enhancement in H2O suspended by aluminium alloy nanoparticles over a convective stretching surface. *Advances in Mechanical Engineering*, **2020**, 12, 168781402094234	1.2	4
39	MHD squeezing flow between two parallel disks with suction or injection via Legendre wavelet-quasilinearization technique. *Engineering Computations*, **2017**, 34, 892-901	1.4	3
38	A Novel Investigation and Hidden Effects of MHD and Thermal Radiations in Viscous Dissipative Nanofluid Flow Models. *Frontiers in Physics*, **2020**, 8,	3.9	3
37	Optical Solutions of Schrödinger Equation Using Extended Sinh-Gordon Equation Expansion Method. *Frontiers in Physics*, **2020**, 8,	3.9	3

36	Squeezing flow of MHD fluid between parallel disks. *International Journal for Computational Methods in Engineering Science and Mechanics*, **2018**, 19, 42-47	0.7	3
35	MHD Flow of a Viscous Fluid Between Dilating and Squeezing Porous Walls **2017**, 41, 951-956		3
34	Impact of freezing temperature (T) of AlO and molecular diameter (HO) on thermal enhancement in magnetized and radiative nanofluid with mixed convection.. *Scientific Reports*, **2022**, 12, 703	4.9	3
33	The Dynamics of H2O Suspended by Multiple Shaped Cu Nanoadditives in Rotating System. *Journal of Nanomaterials*, **2021**, 2021, 1-11	3.2	3
32	Surface thermal investigation in water functionalized Al2O3 and Al2O3 nanomaterials-based nanofluid over a sensor surface. *Applied Nanoscience (Switzerland)*, **2020**, 1	3.3	3
31	Heat Transfer Analysis of Third-Grade Fluid Flow Between Parallel Plates: Analytical Solutions. *International Journal of Applied and Computational Mathematics*, **2017**, 3, 579-589	1.3	2
30	Thermal Transport in Nonlinear Unsteady Colloidal Model by Considering the Carbon Nanomaterials Length and Radius. *Energies*, **2020**, 13, 2448	3.1	2
29	Variation of parameters method with an auxiliary parameter for initial value problems. *Ain Shams Engineering Journal*, **2018**, 9, 1959-1963	4.4	2
28	Eyring-Powell fluid flow through a wall jet in the presence of viscous dissipation. *European Physical Journal Plus*, **2018**, 133, 1	3.1	2
27	Shifted Chebyshev wavelet-quasilinearization technique for MHD squeezing flow between two infinite plates and Jeffery–Hamel flowsPeer review under responsibility of Mansoura University.View all notes. *Egyptian Journal of Basic and Applied Sciences*, **2015**, 2, 229-235	1.3	2
26	A novel analysis of heat transfer in the nanofluid composed by nanodimaond and silver nanomaterials: numerical investigation.. *Scientific Reports*, **2022**, 12, 1284	4.9	2
25	Novel exact double periodic Soliton solutions to strain wave equation in micro structured solids. *Physica A: Statistical Mechanics and Its Applications*, **2020**, 550, 124077	3.3	2
24	On stability of improved conformable model for studying the dynamics of a malnutrition community. *Physica A: Statistical Mechanics and Its Applications*, **2020**, 537, 122664	3.3	2
23	Thermal enhancement and entropy investigation in dissipative ZnO-SAE50 under thermal radiation: a computational paradigm. *Waves in Random and Complex Media*,1-16	1.9	2
22	Stokes'First problem for MHD flow of Casson nanofluid. *Multidiscipline Modeling in Materials and Structures*, **2017**, 13, 2-10	2.2	1
21	Coupling of optimal variation of parameters method with Adomian's polynomials for nonlinear equations representing fluid flow in different geometries. *Neural Computing and Applications*, **2018**, 30, 3431-3444	4.8	1
20	Non-linear radiative squeezed flow in a rotating frame. *Engineering Computations*, **2017**, 34, 2450-2462	1.4	1
19	Zero Mass Flux Effects on Time Dependent Flow of an Eyring Powell with Activation Energy. *Journal of Nanofluids*, **2020**, 9, 216-229	2.2	1

18	A Study of New Class of Star-Like Functions Associated by Symmetric p , q -Calculus. *Journal of Mathematics*, **2021**, 2021, 1-8	1.2	1
17	Enhanced heat transfer in H2O inspired by Al2O3 and Al2O3 nanomaterials and effective nanofluid models. *Advances in Mechanical Engineering*, **2021**, 13, 168781402110236	1.2	1
16	Novel Investigation of Heat and Mass Transfer Under the Effects of Thermal Radiations. *Journal of Nanofluids*, **2021**, 10, 214-221	2.2	1
15	The Numerical Investigation of the Heat Transport in the Nanofluids under the Impacts of Magnetic Field: Applications in Industrial Zone. *Mathematical Problems in Engineering*, **2021**, 2021, 1-11	1.1	1
14	On mathematical model of HIV CD4+T-cells. *AEJ - Alexandria Engineering Journal*, **2021**, 60, 995-1000	6.1	1
13	Heat transfer investigation in Darcy Forchheimer model by using nanoparticles. *Waves in Random and Complex Media*, 1-14	1.9	1
12	The Effects of Magneto-Radiative Parameters on the Heat Transfer Mechanism in H2O Composed by Cu-Al2O3 Hybrid Nanomaterial: Numerical Investigation. *Mathematical Problems in Engineering*, **2022**, 2022, 1-10	1.1	1
11	The Modified Heat Flux Modeling in Nanoparticles (Fe3O4 and Aggregation Nanoparticle) Based Fluid between Two Rotating Disks. *Energies*, **2022**, 15, 4088	3.1	1
10	Intensification of thermal stratification on dissipative chemically heating fluid with cross-diffusion and magnetic field over a wedge. *Open Physics*, **2021**, 19, 877-888	1.3	0
9	Thermal performance in nanofluid and hybrid nanofluid under the influence of mixed convection and viscous dissipation: numerical investigation. *Waves in Random and Complex Media*, 1-19	1.9	0
8	Impacts of various shaped Cu-nanomaterial on the heat transfer over a bilateral stretchable surface: Numerical investigation. *Advances in Mechanical Engineering*, **2021**, 13, 168781402110674	1.2	0
7	Applied Mathematical Modelling and Heat Transport Investigation in Hybrid Nanofluids under the Impact of Thermal Radiation: Numerical Analysis. *Mathematical Problems in Engineering*, **2021**, 2021, 1-10	1.1	0
6	The Velocity Slip Boundary Condition Effects on Non-Newtonian Ferrofluid over a Stretching Sheet. *Mathematical Problems in Engineering*, **2022**, 2022, 1-20	1.1	0
5	Variation of Parameters Solution for Two Dimensional Flow of a Viscous Fluid Between Dilating and Squeezing Channel with Permeable Walls. *International Journal of Applied and Computational Mathematics*, **2017**, 3, 635-643	1.3	
4	Response to Comment on the paper Heat transfer enhancement in hydromagnetic dissipative flow past a moving wedge suspended by H2O-aluminum alloy nanoparticles in the presence of thermal radiation, Umar Khan, Adnan, Naveed Ahmed, Syed Tauseef, Mohyud-Din [Int J Hydrogen Energy 42 (2017) 24634 4644]. *International Journal of Hydrogen Energy*, **2018**, 43, 6478-6479	6.7	
3	Corrigendum to Influence of thermal radiation and viscous dissipation on squeezed flow of water between Riga plates saturated with carbon nanotubes [Colloids Surf. A Physicochem. Eng. Asp. 522, 389 98]. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2021**, 630, 127596	5.1	
2	Modified Chebyshev Wavelet-Picard Technique for Thin Film Flow of Non-Newtonian Fluid Down an Inclined Plane. *Proceedings of the National Academy of Sciences India Section A - Physical Sciences*, **2019**, 89, 533-538	0.9	
1	Numerical investigation of heat transfer in the nanofluids under the impact of length and radius of carbon nanotubes. *Open Physics*, **2022**, 20, 416-430	1.3	