Umar Khan

List of Publications by Year in Descending Order

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	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
142	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
141	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
140	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	
139	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
138	The Modified Heat Flux Modeling in Nanoparticles (Fe3O4 and Aggregation Nanoparticle) Based Fluid between Two Rotating Disks. *Energies*, **2022**, 15, 4088	3.1	1
137	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
136	The Dynamics of H2O Suspended by Multiple Shaped Cu Nanoadditives in Rotating System. *Journal of Nanomaterials*, **2021**, 2021, 1-11	3.2	3
135	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, 389398]. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2021**, 630, 127596	5.1	
134	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
133	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
132	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
131	Novel Investigation of Heat and Mass Transfer Under the Effects of Thermal Radiations. *Journal of Nanofluids*, **2021**, 10, 214-221	2.2	1
130	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
129	On mathematical model of HIV CD4+T-cells. *AEJ - Alexandria Engineering Journal*, **2021**, 60, 995-1000	6.1	1
128	Thermal improvement in magnetized nanofluid for multiple shapes nanoparticles over radiative rotating disk. *AEJ - Alexandria Engineering Journal*, **2021**, 61, 2318-2318	6.1	9
127	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

126	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
125	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
124	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
123	Optical Solutions of Schr□inger Equation Using Extended Sinh□Gordon Equation Expansion Method. *Frontiers in Physics*, **2020**, 8,	3.9	3
122	Thermal Transport in Nonlinear Unsteady Colloidal Model by Considering the Carbon Nanomaterials Length and Radius. *Energies*, **2020**, 13, 2448	3.1	2
121	Thermal Transport Investigation in Magneto-Radiative GO-MoS/HO-CHO Hybrid Nanofluid Subject to Cattaneo-Christov Model. *Molecules*, **2020**, 25,	4.8	12
120	On Mixed Convection Squeezing Flow of Nanofluids. *Energies*, **2020**, 13, 3138	3.1	5
119	Investigation of Thermal Transport in Multi-Shaped Cu Nanomaterial-Based Nanofluids. *Materials*, **2020**, 13,	3.5	9
118	A Novel Hybrid Model for Cu□Al2O3/H2O Nanofluid Flow and Heat Transfer in Convergent/Divergent Channels. *Energies*, **2020**, 13, 1686	3.1	10
117	□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
116	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
115	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
114	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
113	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
112	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
111	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
110	Surface thermal investigation in water functionalized Al2O3 and □Al2O3 nanomaterials-based nanofluid over a sensor surface. *Applied Nanoscience (Switzerland)*, **2020**, 1	3.3	3
109	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

108	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
107	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
106	A conformable mathematical model for alcohol consumption in Spain. *International Journal of Biomathematics*, **2019**, 12, 1950057	1.8	4
105	Applications of Nanofluids for the Thermal Enhancement in Radiative and Dissipative Flow over a Wedge. *Applied Sciences (Switzerland)*, **2019**, 9, 1976	2.6	8
104	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
103	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
102	Impact of an effective Prandtl number model and across mass transport phenomenon on the□Al2O3nanofluid flow inside a channel. *Physica A: Statistical Mechanics and Its Applications*, **2019** , 526, 121083	3.3	11
101	Some new solutions of the Caudrey□Dodd□Gibbon (CDG) equation using the conformable derivative. *Advances in Difference Equations*, **2019**, 2019,	3.6	7
100	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
99	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
98	Heat Transfer Enhancement by Coupling of Carbon Nanotubes and SiO2 Nanofluids: A Numerical Approach. *Processes*, **2019**, 7, 937	2.9	9
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	Spherical Shaped (A g □F e 3 O 4 / H 2 O) Hybrid Nanofluid. *Energies*, **2019**, 12, 76	3.1	16
95	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	
94	Some exact solutions of the nonlinear space□time fractional differential equations. *Waves in Random and Complex Media*, **2019**, 29, 645-664	1.9	13
93	Improved tan(left({frac{{phi left(varvec{xi}right)}}{2}} right))-expansion method for (2 + 1)-dimensional KP□BBM wave equation. *Optical and Quantum Electronics*, **2018**, 50, 1	2.4	5
92	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
91	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□24644]. *International Journal of Hydrogen Energy*, **2018**, 43, 6478-6479	6.7	

90	Analytical approach to study a mathematical model of CD4+T-cells. *International Journal of Biomathematics*, **2018**, 11, 1850056	1.8	4
89	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
88	A new modification in the exponential rational function method for nonlinear fractional differential equations. *European Physical Journal Plus*, **2018**, 133, 1	3.1	8
87	A theoretical investigation of unsteady thermally stratified flow of□Al2O3□H2Oand□Al2O3□C2H6O2nanofluids through a thin slit. *Journal of Physics and Chemistry of Solids*, **2018**, 119, 296-308	3.9	11
86	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
85	Exact solutions of perturbed nonlinear Schrödinger□ 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
84	A study of heat and mass transfer on magnetohydrodynamic (MHD) flow of nanoparticles. *Propulsion and Power Research*, **2018**, 7, 72-77	3.6	29
83	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
82	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
81	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
80	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
79	Influence of shape factor on flow of magneto-nanofluid squeezed between parallel disks. *AEJ - Alexandria Engineering Journal*, **2018**, 57, 1893-1903	6.1	15
78	Coupling of optimal variation of parameters method with Adomian□ polynomials for nonlinear equations representing fluid flow in different geometries. *Neural Computing and Applications*, **2018**, 30, 3431-3444	4.8	1
77	Flow of carbon nanotubes suspended nanofluid in stretchable non-parallel walls. *Neural Computing and Applications*, **2018**, 30, 2859-2871	4.8	12
76	Variation of parameters method with an auxiliary parameter for initial value problems. *Ain Shams Engineering Journal*, **2018**, 9, 1959-1963	4.4	2
75	Differential transform method for unsteady nanofluid flow and heat transfer. *AEJ - Alexandria Engineering Journal*, **2018**, 57, 1867-1875	6.1	34
74	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
73	Drag Reduction on a Square Cylinder using Multiple Detached Control Cylinders. *KSCE Journal of Civil Engineering*, **2018**, 22, 2023-2034	1.9	5

72	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
71	Eyring-Powell fluid flow through a wall jet in the presence of viscous dissipation. *European Physical Journal Plus*, **2018**, 133, 1	3.1	2
70	An approach for approximate solution of fractional-order smoking model with relapse class. *International Journal of Biomathematics*, **2018**, 11, 1850077	1.8	6
69	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
68	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
67	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
66	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
65	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
64	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	
63	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
62	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
61	Optimal solutions for a bio mathematical model for the evolution of smoking habit. *Results in Physics*, **2017**, 7, 510-517	3.7	6
60	Optimal solutions for homogeneous and non-homogeneous equations arising in physics. *Results in Physics*, **2017**, 7, 216-224	3.7	15
59	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
58	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
57	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
56	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
55	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

54	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
53	Influence of an effective Prandtl number model on squeezed flow of Al 2 O 3 -H 2 O and Al 2 O 3 -C 2 H 6 O 2 nanofluids. *Journal of Molecular Liquids*, **2017**, 238, 447-454	6	34
52	Stokes first problem for MHD flow of Casson nanofluid. *Multidiscipline Modeling in Materials and Structures*, **2017**, 13, 2-10	2.2	1
51	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
50	Optimal solutions for the evolution of a social obesity epidemic model. *European Physical Journal Plus*, **2017**, 132, 1	3.1	9
49	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
48	Optimal variational iteration method using Adomian polynomials for physical problems on finite and semi-infinite intervals. *European Physical Journal Plus*, **2017**, 132, 1	3.1	6
47	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
46	MHD nanofluid flow through a deformable asymmetric porous channel. *Engineering Computations*, **2017**, 34, 852-868	1.4	12
45	Influence of thermal and concentration gradients on unsteady flow over a stretchable surface. *Results in Physics*, **2017**, 7, 3153-3162	3.7	7
44	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
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	Exact solutions of (3 + 1)-dimensional generalized KP equation arising in physics. *Results in Physics*, **2017**, 7, 3901-3909	3.7	28
41	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
40	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
39	Non-linear radiative squeezed flow in a rotating frame. *Engineering Computations*, **2017**, 34, 2450-2462	1.4	1
38	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
37	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

36	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
35	3D squeezed flow of Al2O3H2O and Al2O3C2H6O2 nanofluids: A numerical study. *International Journal of Hydrogen Energy*, **2017**, 42, 24620-24633	6.7	30
34	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
33	Khater method for nonlinear Sharma Tasso-Olever (STO) equation of fractional order. *Results in Physics*, **2017**, 7, 4440-4450	3.7	30
32	MHD Flow of a Viscous Fluid Between Dilating and Squeezing Porous Walls **2017**, 41, 951-956		3
31	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
30	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
29	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
28	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
27	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
26	Numerical investigation of magnetohydrodynamic flow and heat transfer of copperwater nanofluid in a channel with non-parallel walls considering different shapes of nanoparticles. *Advances in Mechanical Engineering*, **2016**, 8, 168781401663731	1.2	9
25	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
24	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
23	Heat transfer analysis for squeezing flow of a Casson fluid between parallel plates. *Ain Shams Engineering Journal*, **2016**, 7, 497-504	4.4	17
22	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
21	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
20	Thermal Radiation Effects on Squeezing Flow Casson Fluid between Parallel Disks. *Communications in Numerical Analysis*, **2016**, 2016, 92-107	0	6
19	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

18	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
17	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
16	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
15	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
14	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
13	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
12	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
11	Heat transfer analysis for squeezing flow between parallel disks. *Journal of the Egyptian Mathematical Society*, **2015**, 23, 445-450	2.2	21
10	Magnetohydrodynamic Flow and Heat Transfer of Nanofluids in Stretchable Convergent/Divergent Channels. *Applied Sciences (Switzerland)*, **2015**, 5, 1639-1664	2.6	68
9	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
8	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
7	On unsteady two-dimensional and axisymmetric squeezing flow between parallel plates. *AEJ - Alexandria Engineering Journal*, **2014**, 53, 463-468	6.1	38
6	MHD squeezing flow between two infinite plates. *Ain Shams Engineering Journal*, **2014**, 5, 187-192	4.4	42
5	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
4	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
3	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
2	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
1	Heat transfer investigation in Darcy–Forchheimer model by using nanoparticles. *Waves in Random and Complex Media*,1-14	1.9	1