Saeed Islam

List of Publications by Year in descending order

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281 papers	7,403 citations	50276 46 h-index	114465 63 g-index
285 all docs	285 docs citations	285 times ranked	2377 citing authors

#	Article	IF	Citations
1	Fractional Neuro-Sequential ARFIMA-LSTM for Financial Market Forecasting. IEEE Access, 2020, 8, 71326-71338.	4.2	234
2	The electrical MHD and Hall current impact on micropolar nanofluid flow between rotating parallel plates. Results in Physics, 2018, 9, 1201-1214.	4.1	181
3	Radiative Heat and Mass Transfer Analysis of Micropolar Nanofluid Flow of Casson Fluid Between Two Rotating Parallel Plates With Effects of Hall Current. Journal of Heat Transfer, 2019, 141, .	2.1	142
4	Numerical investigation for rotating flow of MHD hybrid nanofluid with thermal radiation over a stretching sheet. Scientific Reports, 2020, 10, 18533.	3.3	135
5	Magnetohydrodynamic Nanoliquid Thin Film Sprayed on a Stretching Cylinder with Heat Transfer. Applied Sciences (Switzerland), 2017, 7, 271.	2.5	126
6	A stochastic numerical analysis based on hybrid NAR-RBFs networks nonlinear SITR model for novel COVID-19 dynamics. Computer Methods and Programs in Biomedicine, 2021, 202, 105973.	4.7	113
7	Numerical analysis of 3-D MHD hybrid nanofluid over a rotational disk in presence of thermal radiation with Joule heating and viscous dissipation effects using Lobatto IIIA technique. AEJ - Alexandria Engineering Journal, 2021, 60, 3605-3619.	6.4	94
8	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.	6.4	93
9	Mixed convection in gravity-driven thin film non-Newtonian nanofluids flow with gyrotactic microorganisms. Results in Physics, 2017, 7, 4033-4049.	4.1	86
10	Design of a hybrid NAR-RBFs neural network for nonlinear dusty plasma system. AEJ - Alexandria Engineering Journal, 2020, 59, 3325-3345.	6.4	86
11	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.	2.6	84
12	Design of Neural Network With Levenberg-Marquardt and Bayesian Regularization Backpropagation for Solving Pantograph Delay Differential Equations. IEEE Access, 2020, 8, 137918-137933.	4.2	80
13	Simulation of bioconvection in the suspension of second grade nanofluid containing nanoparticles and gyrotactic microorganisms. AIP Advances, 2018, 8, .	1.3	77
14	Impact of thermal radiation on electrical MHD rotating flow of Carbon nanotubes over a stretching sheet. AIP Advances, 2019, 9, .	1.3	77
15	Three dimensional third grade nanofluid flow in a rotating system between parallel plates with Brownian motion and thermophoresis effects. Results in Physics, 2018, 10, 36-45.	4.1	76
16	A fractional order mathematical model for COVID-19 dynamics with quarantine, isolation, and environmental viral load. Advances in Difference Equations, 2021, 2021, 106.	3.5	75
17	A study of changes in temperature profile of porous fin model using cuckoo search algorithm. AEJ - Alexandria Engineering Journal, 2020, 59, 11-24.	6.4	74
18	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.	3.1	73

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19	Radiative MHD thin film flow of Williamson fluid over an unsteady permeable stretching sheet. Heliyon, 2018, 4, e00825.	3.2	73
20	Slip flow of Eyring-Powell nanoliquid film containing graphene nanoparticles. AIP Advances, 2018, 8, .	1.3	70
21	A theoretical model for Zika virus transmission. PLoS ONE, 2017, 12, e0185540.	2.5	69
22	The Rotating Flow of Magneto Hydrodynamic Carbon Nanotubes over a Stretching Sheet with the Impact of Non-Linear Thermal Radiation and Heat Generation/Absorption. Applied Sciences (Switzerland), 2018, 8, 482.	2.5	68
23	Micropolar gold blood nanofluid flow and radiative heat transfer between permeable channels. Computer Methods and Programs in Biomedicine, 2020, 186, 105197.	4.7	68
24	Entropy generation and thermal analysis for rotary motion of hydromagnetic Casson nanofluid past a rotating cylinder with Joule heating effect. International Communications in Heat and Mass Transfer, 2020, 119, 104979.	5.6	68
25	Brownian Motion and Thermophoresis Effects on MHD Mixed Convective Thin Film Second-Grade Nanofluid Flow with Hall Effect and Heat Transfer Past a Stretching Sheet. Journal of Nanofluids, 2017, 6, 812-829.	2.7	68
26	Magnetohydrodynamic second-grade nanofluid flow containing nanoparticles and gyrotactic microorganisms. Computational and Applied Mathematics, 2018, 37, 6332-6358.	1.3	67
27	Dynamics of fractional order COVID-19 model with a case study of Saudi Arabia. Results in Physics, 2021, 21, 103787.	4.1	67
28	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.	2.5	66
29	Neuro-fuzzy modeling and prediction of summer precipitation with application to different meteorological stations. AEJ - Alexandria Engineering Journal, 2020, 59, 101-116.	6.4	65
30	Entropy Generation in MHD Radiative Flow of CNTs Casson Nanofluid in Rotating Channels with Heat Source/Sink. Mathematical Problems in Engineering, 2019, 2019, 1-14.	1.1	64
31	Darcy Forchheimer nanofluid thin film flow of SWCNTs and heat transfer analysis over an unsteady stretching sheet. AIP Advances, 2019, 9, .	1.3	63
32	Darcy-Forchheimer flow of radiative carbon nanotubes with microstructure and inertial characteristics in the rotating frame. Case Studies in Thermal Engineering, 2018, 12, 823-832.	5.7	62
33	Radiative mixed convection flow of maxwell nanofluid over a stretching cylinder with joule heating and heat source/sink effects. Scientific Reports, 2020, 10, 17823.	3.3	62
34	Nanofluids Thin Film Flow of Reiner-Philippoff Fluid over an Unstable Stretching Surface with Brownian Motion and Thermophoresis Effects. Coatings, 2019, 9, 21.	2.6	60
35	MHD Thin Film Flow and Thermal Analysis of Blood with CNTs Nanofluid. Coatings, 2019, 9, 175.	2.6	60
36	Cattaneo-Christov model for electrical magnetite micropoler Casson ferrofluid over a stretching/shrinking sheet using effective thermal conductivity model. Case Studies in Thermal Engineering, 2019, 13, 100352.	5.7	60

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37	Impact of Nonlinear Thermal Radiation on MHD Nanofluid Thin Film Flow over a Horizontally Rotating Disk. Applied Sciences (Switzerland), 2019, 9, 1533.	2.5	59
38	Complex dynamics of an SEIR epidemic model with saturated incidence rate and treatment. Physica A: Statistical Mechanics and Its Applications, 2018, 493, 210-227.	2.6	58
39	Flow and heat transfer in water based liquid film fluids dispensed with graphene nanoparticles. Results in Physics, 2018, 8, 1143-1157.	4.1	56
40	Influence of Inclined Magnetic Field on Carreau Nanoliquid Thin Film Flow and Heat Transfer with Graphene Nanoparticles. Energies, 2019, 12, 1459.	3.1	55
41	Effects of Joule Heating and Viscous Dissipation on Magnetohydrodynamic Boundary Layer Flow of Jeffrey Nanofluid over a Vertically Stretching Cylinder. Coatings, 2021, 11, 353.	2.6	55
42	Iris Recognition Using Image Moments and k-Means Algorithm. Scientific World Journal, The, 2014, 2014, 1-9.	2.1	54
43	Entropy Generation on Nanofluid Thin Film Flow of Eyringâ€“Powell Fluid with Thermal Radiation and MHD Effect on an Unsteady Porous Stretching Sheet. Entropy, 2018, 20, 412.	2.2	54
44	Influences of Hall current and radiation on MHD micropolar non-Newtonian hybrid nanofluid flow between two surfaces. AIP Advances, 2020, 10, .	1.3	54
45	Entropy Generation in MHD Mixed Convection Non-Newtonian Second-Grade Nanoliquid Thin Film Flow through a Porous Medium with Chemical Reaction and Stratification. Entropy, 2019, 21, 139.	2.2	53
46	Darcy-Forchheimer flow of MHD nanofluid thin film flow with Joule dissipation and Navierâ€™s partial slip. Journal of Physics Communications, 2018, 2, 115014.	1.2	52
47	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.	2.2	52
48	Chemically reactive MHD micropolar nanofluid flow with velocity slips and variable heat source/sink. Scientific Reports, 2020, 10, 20926.	3.3	51
49	Modeling and analysis of the dynamics of novel coronavirus (COVID-19) with Caputo fractional derivative. Results in Physics, 2021, 20, 103669.	4.1	51
50	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.	2.5	49
51	Entropy Generation in MHD Eyringâ€“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.	2.5	47
52	Unsteady squeezing flow of magnetohydrodynamic carbon nanotube nanofluid in rotating channels with entropy generation and viscous dissipation. Advances in Mechanical Engineering, 2019, 11, 168781401882310.	1.6	47
53	Modeling and simulation of the novel coronavirus in Caputo derivative. Results in Physics, 2020, 19, 103588.	4.1	47
54	Hall Effect on Couple Stress 3D Nanofluid Flow Over an Exponentially Stretched Surface With Cattaneo Christov Heat Flux Model. IEEE Access, 2019, 7, 64844-64855.	4.2	46

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55	Hall current and thermophoresis effects on magnetohydrodynamic mixed convective heat and mass transfer thin film flow. Journal of Physics Communications, 2019, 3, 035009.	1.2	46
56	Darcy-Forchheimer MHD Hybrid Nanofluid Flow and Heat Transfer Analysis over a Porous Stretching Cylinder. Coatings, 2020, 10, 391.	2.6	46
57	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.	5.7	46
58	Joule heating in magnetohydrodynamic micropolar boundary layer flow past a stretching sheet with chemical reaction and microstructural slip. Case Studies in Thermal Engineering, 2021, 25, 100870.	5.7	46
59	Homotopy perturbation analysis of slider bearing with Powellâ€“Eyring fluid. Zeitschrift Fur Angewandte Mathematik Und Physik, 2009, 60, 1178-1193.	1.4	45
60	Study of two-dimensional boundary layer thin film fluid flow with variable thermo-physical properties in three dimensions space. AIP Advances, 2018, 8, 105318.	1.3	45
61	Three-Dimensional Casson Nanofluid Thin Film Flow over an Inclined Rotating Disk with the Impact of Heat Generation/Consumption and Thermal Radiation. Coatings, 2019, 9, 248.	2.6	44
62	Gyrotactic bioconvection flow of a nanofluid past a vertical wavy surface. International Journal of Thermal Sciences, 2016, 108, 244-250.	4.9	43
63	Cattaneo-christov heat flux model of 3D hall current involving biconvection nanofluidic flow with Darcy-Forchheimer law effect: Backpropagation neural networks approach. Case Studies in Thermal Engineering, 2021, 26, 101168.	5.7	41
64	Non-Newtonian nanoliquids thin-film flow through a porous medium with magnetotactic microorganisms. Applied Nanoscience (Switzerland), 2018, 8, 1523-1544.	3.1	40
65	Buoyancy effects on nanoliquids film flow through a porous medium with gyrotactic microorganisms and cubic autocatalysis chemical reaction. Advances in Mechanical Engineering, 2020, 12, 168781401989751.	1.6	40
66	Darcy-Forchheimer flow of MHD CNTs nanofluid radiative thermal behaviour and convective non uniform heat source/sink in the rotating frame with microstructure and inertial characteristics. AIP Advances, 2018, 8, .	1.3	39
67	Computational intelligence of Levenberg-Marquardt backpropagation neural networks to study thermal radiation and Hall effects on boundary layer flow past a stretching sheet. International Communications in Heat and Mass Transfer, 2022, 130, 105799.	5.6	39
68	Design of intelligent computing networks for numerical treatment of thin film flow of Maxwell nanofluid over a stretched and rotating surface. Surfaces and Interfaces, 2021, 24, 101107.	3.0	37
69	A new Hepatitis B model in light of asymptomatic carriers and vaccination study through Atanganaâ€“Baleanu derivative. Results in Physics, 2021, 29, 104603.	4.1	37
70	Thin Film Williamson Nanofluid Flow with Varying Viscosity and Thermal Conductivity on a Time-Dependent Stretching Sheet. Applied Sciences (Switzerland), 2016, 6, 334.	2.5	36
71	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.	1.6	35
72	Global dynamics of SEIRS epidemic model with non-linear generalized incidences and preventive vaccination. Advances in Difference Equations, 2015, 2015, .	3.5	34

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73	Transmission Model of Hepatitis B Virus with the Migration Effect. BioMed Research International, 2013, 2013, 1-10.	1.9	33
74	Three-dimensional magnetohydrodynamic (MHD) flow of Maxwell nanofluid containing gyrotactic micro-organisms with heat source/sink. AIP Advances, 2018, 8, .	1.3	33
75	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.	2.2	33
76	Soft computing paradigm for Ferrofluid by exponentially stretched surface in the presence of magnetic dipole and heat transfer. AEJ - Alexandria Engineering Journal, 2022, 61, 1607-1623.	6.4	33
77	Effective Prandtl Number Model Influences on the $$gamma {hbox {Al}}_2 {hbox {O}}_3$$ Î³ Al 2 O 3 â€“ $${hbox {H}}_2 {hbox {O}}$$ H 2 O and $$gamma {hbox {Al}}_2 {hbox {O}}_3$$ Î³ Al 2 O 3 â€“ $${hbox {C}}_2 {hbox {H}}_6 {hbox {O}}_2 $$ C 2 H 6 O 2 Nanofluids Spray Along a Stretching Cylinder. Arabian Journal for Science and Engineering, 2019, 44, 1601-1616.	3.0	32
78	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.	2.2	31
79	Influence of Cattaneoâ€“Christov Heat Flux on MHD Jeffrey, Maxwell, and Oldroyd-B Nanofluids with Homogeneous-Heterogeneous Reaction. Symmetry, 2019, 11, 439.	2.2	31
80	Cattaneoâ€“Christov Heat Flux Model for Three-Dimensional Rotating Flow of SWCNT and MWCNT Nanofluid with Darcyâ€“Forchheimer Porous Medium Induced by a Linearly Stretchable Surface. Symmetry, 2019, 11, 331.	2.2	31
81	Mathematical modeling and study of MHD flow of Williamson nanofluid over a nonlinear stretching plate with activation energy. Heat Transfer, 2021, 50, 2558-2570.	3.0	31
82	The dynamics of fractional order Hepatitis B virus model with asymptomatic carriers. AEJ - Alexandria Engineering Journal, 2021, 60, 3945-3955.	6.4	31
83	Darcyâ€“Forchheimer MHD Couple Stress 3D Nanofluid over an Exponentially Stretching Sheet through Cattaneoâ€“Christov Convective Heat Flux with Zero Nanoparticles Mass Flux Conditions. Entropy, 2019, 21, 867.	2.2	30
84	Design of Backpropagated Intelligent Networks for Nonlinear Second-Order Laneâ€“Emden Pantograph Delay Differential Systems. Arabian Journal for Science and Engineering, 2022, 47, 1197-1210.	3.0	30
85	Wire coating analysis with Oldroyd 8-constant fluid by Optimal Homotopy Asymptotic Method. Computers and Mathematics With Applications, 2012, 63, 695-707.	2.7	28
86	MHD Thin Film Flows of a Third Grade Fluid on a Vertical Belt with Slip Boundary Conditions. Journal of Applied Mathematics, 2013, 2013, 1-14.	0.9	28
87	Thin Film Flow in MHD Third Grade Fluid on a Vertical Belt with Temperature Dependent Viscosity. PLoS ONE, 2014, 9, e97552.	2.5	28
88	Media coverage campaign in Hepatitis B transmission model. Applied Mathematics and Computation, 2018, 331, 378-393.	2.2	28
89	Hall effect on Titania nanofluids thin film flow and radiative thermal behavior with different base fluids on an inclined rotating surface. AIP Advances, 2019, 9, .	1.3	28
90	Viscoelastic MHD Nanofluid Thin Film Flow over an Unsteady Vertical Stretching Sheet with Entropy Generation. Processes, 2019, 7, 262.	2.8	28

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91	An Evaluation Framework and Comparative Analysis of the Widely Used First Programming Languages. PLoS ONE, 2014, 9, e88941.	2.5	27
92	Effect of thermal radiation and MHD on non-Newtonian third grade fluid in wire coating analysis with temperature dependent viscosity. AEJ - Alexandria Engineering Journal, 2018, 57, 2101-2112.	6.4	27
93	Magnetized and non-magnetized Casson fluid flow with gyrotactic microorganisms over a stratified stretching cylinder. Scientific Reports, 2021, 11, 16376.	3.3	27
94	Theoretical Analysis of Cu-H2O, Al2O3-H2O, and TiO2-H2O Nanofluid Flow Past a Rotating Disk with Velocity Slip and Convective Conditions. Journal of Nanomaterials, 2021, 2021, 1-10.	2.7	27
95	Heat Transfer Analysis of MHD Thin Film Flow of an Unsteady Second Grade Fluid Past a Vertical Oscillating Belt. PLoS ONE, 2014, 9, e103843.	2.5	26
96	Mathematical modeling and stability analysis of Pine Wilt Disease with optimal control. Scientific Reports, 2017, 7, 3115.	3.3	26
97	A mathematical analysis of Pine Wilt disease with variable population size and optimal control strategies. Chaos, Solitons and Fractals, 2018, 108, 205-217.	5.1	26
98	Heat transfer between two porous parallel plates of steady nano fludis with Brownian and Thermophoretic effects: A new stochastic numerical approach. International Communications in Heat and Mass Transfer, 2021, 126, 105436.	5.6	26
99	Exact solution of a differential equation arising in the wire coating analysis of an unsteady second grade fluid. Mathematical and Computer Modelling, 2013, 57, 1284-1288.	2.0	25
100	CONTROL STRATEGIES of HEPATITIS B WITH THREE CONTROL VARIABLES. Journal of Biological Systems, 2018, 26, 1-21.	1.4	25
101	Entropy Generation Optimization in Squeezing Magnetohydrodynamics Flow of Casson Nanofluid with Viscous Dissipation and Joule Heating Effect. Entropy, 2019, 21, 747.	2.2	25
102	Numerical Treatment for Darcy-Forchheimer Flow of Sisko Nanomaterial with Nonlinear Thermal Radiation by Lobatto IIIA Technique. Mathematical Problems in Engineering, 2019, 2019, 1-15.	1.1	25
103	Numerical treatment for fluidic system of activation energy with non-linear mixed convective and radiative flow of magneto nanomaterials with Navierâ€™s velocity slip. AIP Advances, 2019, 9, .	1.3	25
104	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.	2.7	25
105	Heat Transfer Impacts on Maxwell Nanofluid Flow over a Vertical Moving Surface with MHD Using Stochastic Numerical Technique via Artificial Neural Networks. Coatings, 2021, 11, 1483.	2.6	24
106	Application of Optimal Homotopy Asymptotic Method to Burger Equations. Journal of Applied Mathematics, 2013, 2013, 1-8.	0.9	23
107	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.	1.6	23
108	Hall and Ion-Slip Effect on CNTS Nanofluid over a Porous Extending Surface through Heat Generation and Absorption. Entropy, 2019, 21, 801.	2.2	22

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109	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.	1.3	22
110	MHD bioconvection Darcyâ€Forchheimer flow of Casson nanofluid over a rotating disk with entropy optimization. Heat Transfer, 2021, 50, 2168-2196.	3.0	22
111	Mathematical modeling for the transmission potential of Zika virus with optimal control strategies. European Physical Journal Plus, 2022, 137, 1.	2.6	22
112	Numerical investigation of thin-film flow over a rotating disk subject to the heat source and nonlinear radiation: Lobatto IIIA approach. Waves in Random and Complex Media, 0, , 1-15.	2.7	22
113	Analysis of Magneto-hydrodynamics Flow and Heat Transfer of a Viscoelastic Fluid through Porous Medium in Wire Coating Analysis. Mathematics, 2017, 5, 27.	2.2	21
114	Influence of MHD on Thermal Behavior of Darcy-Forchheimer Nanofluid Thin Film Flow over a Nonlinear Stretching Disc. Coatings, 2019, 9, 446.	2.6	21
115	An optimal analysis for Darcyâ€“Forchheimer three-dimensional Williamson nanofluid flow over a stretching surface with convective conditions. Advances in Mechanical Engineering, 2019, 11, 168781401983351.	1.6	21
116	Application of Arrhenius kinetics on MHD radiative Von KÃ¡rmÃ¡n Casson nanofluid flow occurring in a Darcy-Forchheimer porous medium in the presence of an adjustable heat source. Physica Scripta, 2021, 96, 125228.	2.5	21
117	Unsteady MHD Thin Film Flow of an Oldroyd-B Fluid over an Oscillating Inclined Belt. PLoS ONE, 2015, 10, e0126698.	2.5	21
118	Dynamics of a fractional order Zika virus model with mutant. AEJ - Alexandria Engineering Journal, 2022, 61, 4821-4836.	6.4	21
119	Numerical solutions for gyrotactic bioconvection of dusty nanofluid along a vertical isothermal surface. International Journal of Heat and Mass Transfer, 2017, 113, 229-236.	4.8	20
120	Impact of Thermal Radiation and Heat Source/Sink on Eyringâ€“Powell Fluid Flow over an Unsteady Oscillatory Porous Stretching Surface. Mathematical and Computational Applications, 2018, 23, 20.	1.3	20
121	Investigation of singular ordinary differential equations by a neuroevolutionary approach. PLoS ONE, 2020, 15, e0235829.	2.5	20
122	Influence of Brownian motion and thermophoresis parameters on silver-based Di-Hydrogen CNTs between two stretchable rotating disks. Physica Scripta, 2021, 96, 055205.	2.5	20
123	New version of Optimal Homotopy Asymptotic Method for the solution of nonlinear boundary value problems in finite and infinite intervals. AEJ - Alexandria Engineering Journal, 2016, 55, 2811-2819.	6.4	19
124	Flow and heat transfer of two immiscible fluids in double-layer optical fiber coating. Journal of Coatings Technology Research, 2016, 13, 1055-1063.	2.5	19
125	MHD Flow and Heat Transfer Analysis in the Wire Coating Process Using Elastic-Viscous. Coatings, 2017, 7, 15.	2.6	19
126	Optimal control & dynamical aspects of a stochastic pine wilt disease model. Journal of the Franklin Institute, 2019, 356, 3991-4025.	3.4	19

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127	Exact solution of non-Newtonian fluid motion between side walls. Results in Physics, 2018, 11, 534-539.	4.1	18
128	Heat and Mass Transfer in Three-Dimensional Flow of an Oldroyd-B Nanofluid with Gyrotactic Micro-Organisms. Mathematical Problems in Engineering, 2018, 2018, 1-15.	1.1	18
129	Few Exact Solutions of Non-Newtonian Fluid in Porous Medium with Hall Effect. Journal of Porous Media, 2008, 11, 669-680.	1.9	18
130	Complexiton solutions for complex KdV equation by optimal Homotopy Asymptotic Method. Filomat, 2019, 33, 6195-6211.	0.5	18
131	A comparative analysis of the performance of magnetised copperâ€“copper oxide/water and copperâ€“copper oxide/kerosene oil hybrid nanofluids flowing through an extending surface with velocity slips and thermal convective conditions. International Journal of Ambient Energy, 2022, 43, 7330-7348.	2.5	18
132	Extending Petri net to reduce control strategies of railway interlocking system. Applied Mathematical Modelling, 2014, 38, 413-424.	4.2	17
133	Study of Three dimensional Darcyâ€“Forchheimer squeezing nanofluid flow with Cattaneoâ€“Christov heat flux based on four different types of nanoparticles through entropy generation analysis. Advances in Mechanical Engineering, 2019, 11, 168781401985130.	1.6	17
134	Three-Dimensional Rotating Flow of MHD Jeffrey Fluid Flow between Two Parallel Plates with Impact of Hall Current. Mathematical Problems in Engineering, 2021, 2021, 1-9.	1.1	17
135	Cattaneoâ€“Christov theory for a time-dependent magnetohydrodynamic Maxwell fluid flow through a stretching cylinder. Advances in Mechanical Engineering, 2021, 13, 168781402110301.	1.6	17
136	Mathematical Modeling towards the Dynamical Interaction of Leptospirosis. Applied Mathematics and Information Sciences, 2014, 8, 1049-1056.	0.5	17
137	Electromagnetohydrodynamic bioconvective flow of binary fluid containing nanoparticles and gyrotactic microorganisms through a stratified stretching sheet. Scientific Reports, 2021, 11, 23159.	3.3	17
138	The optimal solution for the flow of a fourth-grade fluid with partial slip. Computers and Mathematics With Applications, 2011, 61, 1507-1516.	2.7	16
139	Thin-film flow of magnetohydrodynamic (MHD) Johnsonâ€“Segalman fluid on vertical surfaces using the Adomian decomposition method. Applied Mathematics and Computation, 2012, 219, 3956-3974.	2.2	16
140	Mathematical modeling approach to the transmission dynamics of pine wilt disease with saturated incidence rate. International Journal of Biomathematics, 2018, 11, 1850035.	2.9	16
141	Investigation of Two-Dimensional Viscoelastic Fluid with Nonuniform Heat Generation over Permeable Stretching Sheet with Slip Condition. Complexity, 2019, 2019, 1-8.	1.6	16
142	Computational analysis of hydromagnetic boundary layer stagnation point flow of nano liquid by a stretched heated surface with convective conditions and radiation effect. Advances in Mechanical Engineering, 2021, 13, 168781402110531.	1.6	16
143	An Analytical Study of Internal Heating and Chemical Reaction Effects on MHD Flow of Nanofluid with Convective Conditions. Crystals, 2021, 11, 1523.	2.2	16
144	Analytical treatment of MHD flow and chemically reactive Casson fluid with Joule heating and variable viscosity effect. Waves in Random and Complex Media, 0, , 1-17.	2.7	16

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145	Homotopy analysis of Couette and Poiseuille flows for fourth grade fluids. Acta Mechanica, 2005, 180, 117-132.	2.1	15
146	Solution of steady thin film flow of Johnsonâ€“Segalman fluid on a vertical moving belt for lifting and drainage problems using Adomian Decomposition Method. Applied Mathematics and Computation, 2012, 218, 10413-10428.	2.2	15
147	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.	2.5	15
148	Three-dimensional magnetohydrodynamic nanofluid thin-film flow with heat and mass transfer over an inclined porous rotating disk. Advances in Mechanical Engineering, 2019, 11, 168781401986975.	1.6	15
149	Unsteady Flow of Fractional Fluid between Two Parallel Walls with Arbitrary Wall Shear Stress Using Caputoâ€“Fabrizio Derivative. Symmetry, 2019, 11, 449.	2.2	15
150	Unsteady Ferrofluid Slip Flow in the Presence of Magnetic Dipole With Convective Boundary Conditions. IEEE Access, 2020, 8, 138551-138562.	4.2	15
151	The intelligent networks for double-diffusion and MHD analysis of thin film flow over a stretched surface. Scientific Reports, 2021, 11, 19239.	3.3	15
152	A Levenberg-Marquardt backpropagation method for unsteady squeezing flow of heat and mass transfer behaviour between parallel plates. Advances in Mechanical Engineering, 2021, 13, 168781402110408.	1.6	15
153	Heat transfer by laminar flow of an elastico-viscous fluid in posttreatment analysis of wire coating with linearly varying temperature along the coated wire. Heat and Mass Transfer, 2012, 48, 903-914.	2.1	14
154	Characteristics of buoyancy force on stagnation point flow with magneto-nanoparticles and zero mass flux condition. Results in Physics, 2018, 8, 160-168.	4.1	14
155	Impact of Cattaneo-Christov heat flux on non-isothermal convective micropolar fluid flow in a hall MHD generator system. Journal of Materials Research and Technology, 2020, 9, 5452-5462.	5.8	14
156	An Axisymmetric Squeezing Fluid Flow between the Two Infinite Parallel Plates in a Porous Medium Channel. Mathematical Problems in Engineering, 2011, 2011, 1-10.	1.1	13
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