Oluwole D Makinde

List of Publications by Year
in descending order

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347	8,295	61857	123241
papers	citations	43 h-index	61 g-index

349	349	349	2161
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Entropy analysis of unsteady magneto-nanofluid flow past accelerating stretching sheet with convective boundary condition. Applied Mathematics and Mechanics (English Edition), 2015, 36, 1593-1610.	1.9	174
2	Hydromagnetic bioconvection of nanofluid over a permeable vertical plate due to gyrotactic microorganisms. Computers and Fluids, 2014, 95, 88-97.	1.3	147
3	THE EFFECT OF THERMAL RADIATION ON THE HEAT AND MASS TRANSFER FLOW OF A VARIABLE VISCOSITY FLUID PAST A VERTICAL POROUS PLATE PERMEATED BY A TRANSVERSE MAGNETIC FIELD. Chemical Engineering Communications, 2008, 195, 1575-1584.	1.5	135
4	Effects of thermal radiation and viscous dissipation on boundary layer flow of nanofluids over a permeable moving flat plate. Physica Scripta, 2012, 86, 045003.	1.2	127
5	Unsteady convection with chemical reaction and radiative heat transfer past a flat porous plate moving through a binary mixture. Afrika Matematika, 2011, 22, 65-78.	0.4	126
6	Buoyancy Effects on Thermal Boundary Layer Over a Vertical Plate With a Convective Surface Boundary Condition. Journal of Fluids Engineering, Transactions of the ASME, 2010, 132, .	0.8	123
7	Heat and mass transfer by MHD mixed convection stagnation point flow toward a vertical plate embedded in a highly porous medium with radiation and internal heat generation. Meccanica, 2012, 47, 1173-1184.	1.2	118
8	MHD Flow of Cu-Al₂O₃/Water Hybrid Nanofluid in Porous Channel: Analysis of Entropy Generation. Defect and Diffusion Forum, 0, 377, 42-61.	0.4	103
9	A co-infection model of malaria and cholera diseases with optimal control. Mathematical Biosciences, 2014, 258, 19-32.	0.9	102
10	Impact of Chemo-therapy on Optimal Control of Malaria Disease with Infected Immigrants. BioSystems, 2011, 104, 32-41.	0.9	100
11	Effects of viscous dissipation and Newtonian heating on boundary-layer flow of nanofluids over a flat plate. International Journal of Numerical Methods for Heat and Fluid Flow, 2013, 23, 1291-1303.	1.6	93
12	Ohmic Heating and Non-uniform Heat Source/Sink Roles on 3D Darcyâ€“Forchheimer Flow of CNTs Nanofluids Over a Stretching Surface. Arabian Journal for Science and Engineering, 2020, 45, 7705-7717.	1.7	93
13	UNSTEADY MIXED CONVECTION WITH SORET AND DUFOUR EFFECTS PAST A POROUS PLATE MOVING THROUGH A BINARY MIXTURE OF CHEMICALLY REACTING FLUID. Chemical Engineering Communications, 2011, 198, 920-938.	1.5	86
14	On MHD heat and mass transfer over a moving vertical plate with a convective surface boundary condition. Canadian Journal of Chemical Engineering, 2010, 88, 983-990.	0.9	84
15	Second Law Analysis for Variable Viscosity Hydromagnetic Boundary Layer Flow with Thermal Radiation and Newtonian Heating. Entropy, 2011, 13, 1446-1464.	1.1	84
16	Magnetohydrodynamic Stagnation Point Flow and Heat Transfer of Casson Nanofluid Past a Stretching Sheet with Slip and Convective Boundary Condition. Journal of Aerospace Engineering, 2016, 29, .	0.8	83
17	MHD MIXED-CONVECTION INTERACTION WITH THERMAL RADIATION AND nTH ORDER CHEMICAL REACTION PAST A VERTICAL POROUS PLATE EMBEDDED IN A POROUS MEDIUM. Chemical Engineering Communications, 2010, 198, 590-608.	1.5	78
18	Magnetohydrodynamic three-dimensional flow of nanofluids with slip and thermal radiation over a nonlinear stretching sheet: a numerical study. Neural Computing and Applications, 2018, 30, 1557-1567.	3.2	75

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19	3D Bioconvective multiple slip flow of chemically reactive Casson nanofluid with gyrotactic microâ€organisms. Heat Transfer - Asian Research, 2020, 49, 135-153.	2.8	73
20	Computational modelling of MHD unsteady flow and heat transfer toward a flat plate with Navier slip and Newtonian heating. Brazilian Journal of Chemical Engineering, 2012, 29, 159-166.	0.7	71
21	Irreversibility analysis for a gravity driven non-Newtonian liquid film along an inclined isothermal plate. Physica Scripta, 2006, 74, 642-645.	1.2	62
22	Effects of Convective Heating on Entropy Generation Rate in a Channel with Permeable Walls. Entropy, 2013, 15, 220-233.	1.1	62
23	Effects of couple stresses on entropy generation rate in a porous channel with convective heating. Computational and Applied Mathematics, 2015, 34, 293-307.	1.3	61
24	On inherent irreversibility in a reactive hydromagnetic channel flow. Journal of Thermal Science, 2010, 19, 72-79.	0.9	60
25	Analysis of Sakiadis flow of nanofluids with viscous dissipation and Newtonian heating. Applied Mathematics and Mechanics (English Edition), 2012, 33, 1545-1554.	1.9	60
26	Thermophysical aspects of stagnation point magnetonanofluid flow yields by an inclined stretching cylindrical surface: a non-Newtonian fluid model. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 3669-3682.	0.8	60
27	Unsteady MHD Falkner-Skan flow of Casson nanofluid with generative/destructive chemical reaction. Chemical Engineering Science, 2017, 172, 694-706.	1.9	60
28	Magnetohydrodynamic Mixed-Convective Flow and Heat and Mass Transfer Past a Vertical Plate in a Porous Medium With Constant Wall Suction. Journal of Heat Transfer, 2008, 130, .	1.2	59
29	MHD Boundary Layer Slip Flow and Heat Transfer of Nanofluid Past a Vertical Stretching Sheet with Non-Uniform Heat Generation/Absorption. International Journal of Nanoscience, 2014, 13, 1450019.	0.4	58
30	Thermal analysis of MHD electro-osmotic peristaltic pumping of Casson fluid through a rotating asymmetric micro-channel. Indian Journal of Physics, 2018, 92, 1439-1448.	0.9	58
31	Numerical study of unsteady hydromagnetic radiating fluid flow past a slippery stretching sheet embedded in a porous medium. Physics of Fluids, 2018, 30, .	1.6	58
32	MHD three dimensional double diffusive flow of Casson nanofluid with buoyancy forces and nonlinear thermal radiation over a stretching surface. International Journal of Numerical Methods for Heat and Fluid Flow, 2017, 27, 2858-2878.	1.6	57
33	MHD Slip Flow of Casson Fluid along a Nonlinear Permeable Stretching Cylinder Saturated in a Porous Medium with Chemical Reaction, Viscous Dissipation, and Heat Generation/Absorption. Symmetry, 2019, 11, 531.	1.1	57
34	Heat and mass transfer analysis of MHD peristaltic flow through a complaint porous channel with variable thermal conductivity. Physica Scripta, 2020, 95, 045219.	1.2	56
35	UNSTEADY HYDROMAGNETIC FREE CONVECTION FLOW OF A DISSIPATIVE AND RADIATING FLUID PAST A VERTICAL PLATE WITH CONSTANT HEAT FLUX. Chemical Engineering Communications, 2008, 196, 454-462.	1.5	55
36	Thermodynamic second law analysis for a gravity-driven variable viscosity liquid film along an inclined heated plate with convective cooling. Journal of Mechanical Science and Technology, 2010, 24, 899-908.	0.7	55

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37	Unsteady Magnetohydrodynamic Casson Fluid Flow over a Vertical Cone and Flat Plate with Non-Uniform Heat Source/Sink. International Journal of Engineering Research in Africa, 0, 21, 69-83.	0.7	55
38	Modelling and Optimal Control of Typhoid Fever Disease with Cost-Effective Strategies. Computational and Mathematical Methods in Medicine, 2017, 2017, 1-16.	0.7	55
39	Implementation of the One-Step One-Hybrid Block Method on the Nonlinear Equation of a Circular Sector Oscillator. Computational Mathematics and Modeling, 2020, 31, 116-132.	0.2	55
40	Unsteady Hydromagnetic Natural Convection Flow of a Dusty Fluid Past an Impulsively Moving Vertical Plate With Ramped Temperature in the Presence of Thermal Radiation. Journal of Applied Mechanics, Transactions ASME, 2013, 80, .	1.1	54
41	Numerical Exploration of Heat Transfer and Lorentz Force Effects on the Flow of MHD Casson Fluid over an Upper Horizontal Surface of a Thermally Stratified Melting Surface of a Paraboloid of Revolution. International Journal of Nonlinear Sciences and Numerical Simulation, 2018, 19, 93-106.	0.4	54
42	ENTROPY ANALYSIS OF THERMALLY RADIATING MAGNETOHYDRODYNAMIC SLIP FLOW OF CASSON FLUID IN A MICROCHANNEL FILLED WITH SATURATED POROUS MEDIA. Journal of Porous Media, 2016, 19, 799-810.	1.0	53
43	Entropy Generation in a Couple Stress Fluid Flow Through a Vertical Channel Filled with Saturated Porous Media. Entropy, 2013, 15, 4589-4606.	1.1	52
44	MHD Slip Flow of Cu-Kerosene Nanofluid in a Channel with Stretching Walls Using 3-Stage Lobatto IIIA Formula. Defect and Diffusion Forum, 0, 387, 51-62.	0.4	50
45	Irreversibility analysis in a couple stress film flow along an inclined heated plate with adiabatic free surface. Physica A: Statistical Mechanics and Its Applications, 2015, 432, 222-229.	1.2	49
46	Analysis of Blasius Flow of Hybrid Nanofluids over a Convectively Heated Surface. Defect and Diffusion Forum, 0, 377, 29-41.	0.4	49
47	Magnetohydrodynamic flow and heat transfer impact on ZnO-SAE50 nanolubricant flow over an inclined rotating disk. Journal of Central South University, 2019, 26, 1146-1160.	1.2	49
48	Combined Free and Forced Convection Couette-Hartmann Flow in a Rotating Channel with Arbitrary Conducting Walls and Hall Effects. Journal of Mechanics, 2016, 32, 613-629.	0.7	48
49	Thermodynamic analysis for a third grade fluid through a vertical channel with internal heat generation. Journal of Hydrodynamics, 2015, 27, 264-272.	1.3	47
50	Numerical Simulation of Oscillatory MHD Natural Convection in Cylindrical Annulus: Prandtl Number Effect. Defect and Diffusion Forum, 0, 387, 417-427.	0.4	47
51	Entropy generation in couple stress fluid flow through porous channel with fluid slippage. International Journal of Exergy, 2014, 15, 344.	0.2	46
52	Numerical Exploration of Cattaneo-Christov Heat Flux and Mass Transfer in Magnetohydrodynamic Flow over Various Geometries. Defect and Diffusion Forum, 0, 374, 67-82.	0.4	46
53	Modelling and optimal control of pneumonia disease with cost-effective strategies. Journal of Biological Dynamics, 2017, 11, 400-426.	0.8	45
54	Co-dynamics of Pneumonia and Typhoid fever diseases with cost effective optimal control analysis. Applied Mathematics and Computation, 2018, 316, 438-459.	1.4	45

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55	Investigation of Partial Slip and Viscous Dissipation Effects on the Radiative Tangent Hyperbolic Nanofluid Flow Past a Vertical Permeable Riga Plate with Internal Heating: Bungiorno Model. Journal of Nanofluids, 2019, 8, 51-62.	1.4	45
56	On the Chebyshev collocation spectral approach to stability of fluid flow in a porous medium. International Journal for Numerical Methods in Fluids, 2009, 59, 791-799.	0.9	43
57	Thermal criticality for a reactive gravity driven thin film flow of a third-grade fluid with adiabatic free surface down an inclined plane. Applied Mathematics and Mechanics (English Edition), 2009, 30, 373-380.	1.9	43
58	ON BOUNDARY LAYER STAGNATION POINT FLOW OF A NANOFLUID OVER A PERMEABLE FLAT SURFACE WITH NEWTONIAN HEATING. Chemical Engineering Communications, 2013, 200, 836-852.	1.5	43
59	MHD Boundary Layer Flow due to Exponential Stretching Surface with Radiation and Chemical Reaction. Mathematical Problems in Engineering, 2013, 2013, 1-7.	0.6	43
60	Effects of Thermal Radiation on MHD Peristaltic Motion of Walters-B Fluid with Heat Source and Slip Conditions. Journal of Applied Fluid Mechanics, 2017, 10, 1105-1112.	0.4	42
61	Entropy optimization for Darcyâ€“Forchheimer electro-magneto-hydrodynamic slip flow of ferronanofluid due to stretching/shrinking rotating disk. Waves in Random and Complex Media, 0, , 1-33.	1.6	40
62	Effects of Thermal-Diffusion and Diffusion-Thermo on Oblique Stagnation Point Flow of Couple Stress Casson Fluid Over a Stretched Horizontal Riga Plate with Higher Order Chemical Reaction. Journal of Nanofluids, 2019, 8, 94-102.	1.4	40
63	Boundary layer flow with forced convective heat transfer and viscous dissipation past a porous rotating disk. Chaos, Solitons and Fractals, 2021, 148, 111055.	2.5	39
64	EMHD flow of non-Newtonian nanofluids over thin needle with Robinsonâ€™s condition and Arrhenius pre-exponential factor law. Physica Scripta, 2020, 95, 115219.	1.2	39
65	Effects of Thermal Diffusion and Diffusion Thermo on Chemically Reacting MHD Boundary Layer Flow of Heat and Mass Transfer Past a Moving Vertical Plate with Suction/Injection. Arabian Journal for Science and Engineering, 2011, 36, 1607-1619.	1.1	38
66	Hydromagnetic Stagnation-Point Flow towards a Radially Stretching Convectively Heated Disk. Mathematical Problems in Engineering, 2013, 2013, 1-8.	0.6	38
67	Heat Transfer to Magnetohydrodynamic Non-Newtonian Couple Stress Pulsatile Flow Between two Parallel Porous Plates. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2012, 67, 647-656.	0.7	37
68	MHD Nanofluid Flow Past a Rotating Disk with Thermal Radiation in the Presence of Aluminum and Titanium Alloy Nanoparticles. Defect and Diffusion Forum, 0, 384, 69-79.	0.4	37
69	Heat transfer and buoyancyâ€driven convective MHD flow of nanofluids impinging over a thin needle moving in a parallel stream influenced by Prandtl number. Heat Transfer, 2020, 49, 655-672.	1.7	37
70	Impact of Variable Transport Properties and Slip Effects on MHD Jeffrey Fluid Flow Through Channel. Arabian Journal for Science and Engineering, 2020, 45, 417-428.	1.7	37
71	Combined Effect of Buoyancy Force and Navier Slip on Entropy Generation in a Vertical Porous Channel. Entropy, 2012, 14, 1028-1044.	1.1	36
72	Numerical Study of Unsteady MHD Flow and Entropy Generation in a Rotating Permeable Channel with Slip and Hall Effects. Communications in Theoretical Physics, 2018, 70, 641.	1.1	36

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73	Thermal Ignition in a Reactive Viscous Flow Through a Channel Filled With a Porous Medium. Journal of Heat Transfer, 2006, 128, 601-604.	1.2	35
74	A comparative study of nanofluids flow yields by an inclined cylindrical surface in a double stratified medium. European Physical Journal Plus, 2017, 132, 1.	1.2	34
75	Shape effect of nanoparticles on MHD nanofluid flow over a stretching sheet in the presence of heat source/sink with entropy generation. International Journal of Numerical Methods for Heat and Fluid Flow, 2022, 32, 1643-1663.	1.6	34
76	Effect of Nonlinear Thermal Radiation on MHD Boundary Layer Flow and Melting Heat Transfer of Micro-Polar Fluid over a Stretching Surface with Fluid Particles Suspension. Defect and Diffusion Forum, 0, 378, 125-136.	0.4	33
77	Effects of Homogenousâ€“Heterogeneous Reactions on Radiative NaCl-CNP Nanofluid Flow Past a Convectively Heated Vertical Riga Plate. Journal of Nanofluids, 2018, 7, 657-667.	1.4	33
78	Optimal Control and Cost-Effectiveness Analysis for Dysentery Epidemic Model. Applied Mathematics and Information Sciences, 2018, 12, 1183-1195.	0.7	33
79	Thermal criticality and entropy analysis for a variable viscosity Couette flow. Physica Scripta, 2008, 78, 015402.	1.2	32
80	Numerical investigation of buoyancy effects on hydromagnetic unsteady flow through a porous channel with suction/injection. Journal of Mechanical Science and Technology, 2013, 27, 1557-1568.	0.7	32
81	Hydromagnetic blasius flow of powerâ€law nanofluids over a convectively heated vertical plate. Canadian Journal of Chemical Engineering, 2015, 93, 1830-1837.	0.9	32
82	Aligned Magnetic Field Effect on Radiative Bioconvection Flow Past a Vertical Plate with Thermophoresis and Brownian Motion. Defect and Diffusion Forum, 0, 377, 127-140.	0.4	32
83	Hydromagnetic flow of a variable viscosity nanofluid in a rotating permeable channel with hall effects. Journal of Engineering Thermophysics, 2017, 26, 553-566.	0.6	32
84	On Temporal Stability Analysis for Hydromagnetic Flow in a Channel Filled with a Saturated Porous Medium. Flow, Turbulence and Combustion, 2009, 83, 21-32.	1.4	31
85	Effects of chemical reaction on boundary layer flow past a vertical stretching surface in the presence of internal heat generation. International Journal of Numerical Methods for Heat and Fluid Flow, 2011, 21, 779-792.	1.6	31
86	Chemically Reacting Hydromagnetic Unsteady Flow of a Radiating Fluid Past a Vertical Plate with Constant Heat Flux. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2012, 67, 239-247.	0.7	31
87	MHD Nanofluid Flow Over a Permeable Vertical Plate with Convective Heating. Journal of Computational and Theoretical Nanoscience, 2014, 11, 667-675.	0.4	31
88	Entropy generation in a variable viscosity channel flow of nanofluids with convective cooling. Comptes Rendus - Mecanique, 2015, 343, 38-56.	2.1	31
89	Thermal stability of a reactive third grade fluid in a cylindrical pipe: An exploitation of Hermiteâ€“PadÃ© approximation technique. Applied Mathematics and Computation, 2007, 189, 690-697.	1.4	30
90	Irreversibility analysis of variable viscosity channel flow with convective cooling at the walls. Canadian Journal of Physics, 2008, 86, 383-389.	0.4	30

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91	Optimal control and cost effectiveness analysis for Newcastle disease eco-epidemiological model in Tanzania. Journal of Biological Dynamics, 2017, 11, 190-209.	0.8	30
92	Impact of Chemical Reaction on Marangoni Boundary Layer Flow of a Casson Nano Liquid in the Presence of Uniform Heat Source Sink. , 2017, 11, 22-32.		30
93	MHD Mixed Convection Slip Flow of Radiating Casson Fluid with Entropy Generation in a Channel Filled with Porous Media. Defect and Diffusion Forum, 0, 374, 47-66.	0.4	29
94	Thermal Radiation Effect on Non-Newtonian Fluid Flow over a Stretched Sheet of Non-Uniform Thickness. Defect and Diffusion Forum, 0, 377, 242-259.	0.4	29
95	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
96	On thermal stability of a reactive third-grade fluid in a channel with convective cooling the walls. Applied Mathematics and Computation, 2009, 213, 170-176.	1.4	28
97	Entropy Generation Analysis in a Variable Viscosity MHD Channel Flow with Permeable Walls and Convective Heating. Mathematical Problems in Engineering, 2013, 2013, 1-12.	0.6	28
98	Analysis of Entropy Generation Rate in an Unsteady Porous Channel Flow with Navier Slip and Convective Cooling. Entropy, 2013, 15, 2081-2099.	1.1	28
99	Optimal Control of HIV/AIDS in the Workplace in the Presence of Careless Individuals. Computational and Mathematical Methods in Medicine, 2014, 2014, 1-19.	0.7	28
100	Effects of Navier Slip on Entropy Generation in a Porous Channel with Suction/Injection. Journal of Thermal Science and Technology, 2012, 7, 522-535.	0.6	27
101	Hydromagnetic stagnation point flow of a magnetite ferrofluid past a convectively heated permeable stretching/shrinking sheet in a Darcyâ€“Forchheimer porous medium. Sadhana - Academy Proceedings in Engineering Sciences, 2021, 46, 1.	0.8	27
102	Mixed Convection From a Convectively Heated Vertical Plate to a Fluid With Internal Heat Generation. Journal of Heat Transfer, 2011, 133, .	1.2	26
103	Equal channel angular pressing technique for the formation of ultra-fine grained structures. South African Journal of Science, 2012, 108, .	0.3	26
104	On Stagnation Point Flow of Variable Viscosity Nanofluids Past a Stretching Surface with Radiative Heat. International Journal of Applied and Computational Mathematics, 2017, 3, 561-578.	0.9	26
105	MHD Flow of a Carreau Fluid Past a Stretching Cylinder with Cattaneo-Christov Heat Flux Using Spectral Relaxation Method. Defect and Diffusion Forum, 0, 387, 91-105.	0.4	26
106	Co-dynamics of measles and dysentery diarrhea diseases with optimal control and cost-effectiveness analysis. Applied Mathematics and Computation, 2019, 347, 903-921.	1.4	26
107	Double-Diffusive in Mixed Convection and MHD Stagnation Point Flow of Nanofluid Over a Stretching Sheet. Journal of Nanofluids, 2015, 4, 28-37.	1.4	26
108	Combined Effect of Buoyancy Force and Navier Slip on MHD Flow of a Nanofluid over a Convectively Heated Vertical Porous Plate. Scientific World Journal, The, 2013, 2013, 1-8.	0.8	25

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109	Parameter Estimation and Sensitivity Analysis of Dysentery Diarrhea Epidemic Model. Journal of Applied Mathematics, 2019, 2019, 1-13.	0.4	25
110	Computational modelling and optimal control of measles epidemic in human population. BioSystems, 2020, 190, 104102.	0.9	25
111	Chemically Reacting MHD Mixed Convection Variable Viscosity Blasius Flow Embedded in a Porous Medium. Defect and Diffusion Forum, 0, 374, 83-91.	0.4	24
112	Effects of Nonlinear Thermal Radiation and Second Order Slip on Casson Nanofluid Flow between Parallel Plates. Defect and Diffusion Forum, 0, 377, 84-94.	0.4	24
113	Effects of Cattaneo-Christov Heat Flux on Casson Nanofluid Flow Past a Stretching Cylinder. Defect and Diffusion Forum, 0, 378, 28-38.	0.4	24
114	Effect of Convective Boundary Condition on MHD Carreau Dusty Fluid over a Stretching Sheet with Heat Source. Defect and Diffusion Forum, 0, 377, 233-241.	0.4	24
115	Two-Phase Flow of Dusty Casson Fluid with Cattaneo-Christov Heat Flux and Heat Source Past a Cone, Wedge and Plate. Defect and Diffusion Forum, 0, 387, 625-639.	0.4	24
116	Dual Solutions Analysis of Melting Phenomenon with Mixed Convection in a Nanofluid Flow and Heat Transfer Past a Permeable Stretching/Shrinking Sheet. Journal of Nanofluids, 2020, 9, 313-320.	1.4	24
117	Hemodynamical analysis of MHD two phase blood flow through a curved permeable artery having variable viscosity with heat and mass transfer. Biomechanics and Modeling in Mechanobiology, 2022, 21, 797-825.	1.4	24
118	Thermal criticality in viscous reactive flows through channels with a sliding wall: An exploitation of the Hermiteâ€“PadÃ© approximation method. Mathematical and Computer Modelling, 2008, 47, 312-317.	2.0	23
119	Second Law Analysis of Boundary Layer Flow With Variable Fluid Properties. Journal of Heat Transfer, 2017, 139, .	1.2	23
120	Cross Diffusion Impacts on Hydromagnetic Radiative Peristaltic Carreau-Casson Nanofluids Flow in an Irregular Channel. Defect and Diffusion Forum, 0, 377, 62-83.	0.4	23
121	Numerical Investigation of Developing Natural Convection in Vertical Double-Passage Porous Annuli. Defect and Diffusion Forum, 2018, 387, 442-460.	0.4	23
122	Hermite-PadÃ© approximation approach to thermal criticality for a reactive third-grade liquid in a channel with isothermal walls. International Communications in Heat and Mass Transfer, 2007, 34, 870-877.	2.9	22
123	On Nonperturbative Techniques for Thermal Radiation Effect on Natural Convection past a Vertical Plate Embedded in a Saturated Porous Medium. Mathematical Problems in Engineering, 2008, 2008, 1-11.	0.6	22
124	Computational Dynamics of Arterial Blood Flow in the Presence of Magnetic Field and Thermal Radiation Therapy. Advances in Mathematical Physics, 2014, 2014, 1-9.	0.4	22
125	Heat transfer to MHD oscillatory dusty fluid flow in a channel filled with a porous medium. Sadhana - Academy Proceedings in Engineering Sciences, 2015, 40, 1273-1282.	0.8	22
126	Natural Convection in a Non-Uniformly Heated Vertical Annular Cavity. Defect and Diffusion Forum, 0, 377, 189-199.	0.4	22

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127	Thermal Radiation Effect on 3D Slip Motion of Alcu-Water and Cu-Water Nanofluids over a Variable Thickness Stretched Surface. Defect and Diffusion Forum, 0, 377, 141-154.	0.4	22
128	Thermodynamics Analysis of MHD Casson Fluid Slip Flow in a Porous Microchannel with Thermal Radiation. , 0, 16, 120-139.		22
129	Peristaltic flow of non-Newtonian fluid through an inclined complaint nonlinear tube: application to chyme transport in the gastrointestinal tract. European Physical Journal Plus, 2020, 135, 1.	1.2	22
130	Entropy-optimized radiating water/FCNTs nanofluid boundary-layer flow with convective condition. European Physical Journal Plus, 2020, 135, 1.	1.2	22
131	Analysis of Dual Solutions in MHD Fluid Flow with Heat and Mass Transfer Past an Exponentially Shrinking/Stretching Surface in a Porous Medium. International Journal of Applied and Computational Mathematics, 2022, 8, 1.	0.9	22
132	COMPUTATIONAL DYNAMICS OF MHD FREE CONVECTION FLOW ALONG AN INCLINED PLATE WITH NEWTONIAN HEATING IN THE PRESENCE OF VOLUMETRIC HEAT GENERATION. Chemical Engineering Communications, 2012, 199, 1144-1154.	1.5	21
133	Unsteady hydromagnetic flow of a reactive variable viscosity thirdâ€grade fluid in a channel with convective cooling. International Journal for Numerical Methods in Fluids, 2012, 69, 353-365.	0.9	21
134	Mathematical Analysis of the Effects of HIV-Malaria Co-infection on Workplace Productivity. Acta Biotheoretica, 2015, 63, 151-182.	0.7	21
135	MHD couple stress nanofluid flow in a permeable wall channel with entropy generation and nonlinear radiative heat. Journal of Thermal Science and Technology, 2017, 12, JTST0033-JTST0033.	0.6	21
136	A Mathematical Model for Coinfection of Listeriosis and Anthrax Diseases. International Journal of Mathematics and Mathematical Sciences, 2018, 2018, 1-14.	0.3	21
137	Mixed convection flow of Newtonian fluids over an upper horizontal thermally stratified melting surface of a paraboloid of revolution. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	0.8	21
138	Magneto-Nanofluid Flow Past an Impulsively Started Porous Flat Plate in a Rotating Frame. Journal of Nanofluids, 2015, 4, 167-175.	1.4	21
139	Effect of variable viscosity on thermal boundary layer over a permeable flat plate with radiation and a convective surface boundary condition. Journal of Mechanical Science and Technology, 2012, 26, 1615-1622.	0.7	20
140	Optimal control analysis of hepatitis C virus with acute and chronic stages in the presence of treatment and infected immigrants. International Journal of Biomathematics, 2014, 07, 1450019.	1.5	20
141	Numerical study of unsteady MHD Couette flow and heat transfer of nanofluids in a rotating system with convective cooling. International Journal of Numerical Methods for Heat and Fluid Flow, 2016, 26, 1567-1579.	1.6	20
142	Entropy generation analysis in a microchannel Poiseuille flows of nanofluid with nanoparticles injection and variable properties. Journal of Thermal Analysis and Calorimetry, 2021, 143, 1855-1865.	2.0	20
143	Natural Convection of Viscoelastic Fluid from a Cone Embedded in a Porous Medium with Viscous Dissipation. Mathematical Problems in Engineering, 2013, 2013, 1-11.	0.6	19
144	Magneto-Hemodynamics of Nanofluid with Heat and Mass Transfer in a Slowly Varying Symmetrical Channel. International Journal of Engineering Research in Africa, 2017, 28, 118-141.	0.7	19

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145	Thermal decomposition analysis in a sphere of combustible materials. Advances in Mechanical Engineering, 2017, 9, 168781401769251.	0.8	19
146	Chemical Reaction Effect on MHD Flow of Casson Fluid with Porous Stretching Sheet. Defect and Diffusion Forum, 0, 389, 100-109.	0.4	19
147	Unsteady MHD Flow in a Porous Channel with Thermal Radiation and Heat Source/Sink. International Journal of Applied and Computational Mathematics, 2019, 5, 1.	0.9	19
148	Optimization of thermosolutal convection in vertical porous annulus with a circular baffle. Thermal Science and Engineering Progress, 2020, 20, 100735.	1.3	19
149	Numerical Investigation of Gas-Liquid Two-Phase Flows in a Cylindrical Channel. Defect and Diffusion Forum, 0, 409, 39-48.	0.4	19
150	Thermophoresis and Brownian Motion Effects on Magnetohydrodynamics Electro-Osmotic Jeffrey Nanofluid Peristaltic Flow in Asymmetric Rotating Microchannel. Journal of Nanofluids, 2019, 8, 349-358.	1.4	19
151	Analysis of Entropy Generation and Thermal Stability in a Slab. Journal of Thermophysics and Heat Transfer, 2010, 24, 438-444.	0.9	18
152	Thermal analysis of a reactive generalized Couette flow of power law fluids between concentric cylindrical pipes. European Physical Journal Plus, 2014, 129, 1.	1.2	18
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