

Oluwole D Makinde

List of Publications by Citations

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337
papers

5,670
citations

38
h-index

53
g-index

349
ext. papers

6,723
ext. citations

1.6
avg, IF

6.92
L-index

#	Paper	IF	Citations
337	Entropy analysis of unsteady magneto-nanofluid flow past accelerating stretching sheet with convective boundary condition. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2015 , 36, 1593-1610	2.2	129
336	Hydromagnetic bioconvection of nanofluid over a permeable vertical plate due to gyrotactic microorganisms. <i>Computers and Fluids</i> , 2014 , 95, 88-97	2.8	110
335	Effects of thermal radiation and viscous dissipation on boundary layer flow of nanofluids over a permeable moving flat plate. <i>Physica Scripta</i> , 2012 , 86, 045003	2.6	94
334	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. <i>Meccanica</i> , 2012 , 47, 1173-1184	2.1	94
333	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. <i>Chemical Engineering Communications</i> , 2008 , 195, 1575-1584	2.2	94
332	Unsteady convection with chemical reaction and radiative heat transfer past a flat porous plate moving through a binary mixture. <i>Afrika Matematika</i> , 2011 , 22, 65-78	0.7	91
331	Buoyancy Effects on Thermal Boundary Layer Over a Vertical Plate With a Convective Surface Boundary Condition. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2010 , 132,	2.1	81
330	MHD Flow of Cu-Al ₂ O ₃ /Water Hybrid Nanofluid in Porous Channel: Analysis of Entropy Generation. <i>Defect and Diffusion Forum</i> , 2017 , 377, 42-61	0.7	77
329	Effects of viscous dissipation and Newtonian heating on boundary-layer flow of nanofluids over a flat plate. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2013 , 23, 1291-1303	4.5	75
328	UNSTEADY MIXED CONVECTION WITH SORET AND DUFOUR EFFECTS PAST A POROUS PLATE MOVING THROUGH A BINARY MIXTURE OF CHEMICALLY REACTING FLUID. <i>Chemical Engineering Communications</i> , 2011 , 198, 920-938	2.2	73
327	A co-infection model of malaria and cholera diseases with optimal control. <i>Mathematical Biosciences</i> , 2014 , 258, 19-32	3.9	71
326	Second Law Analysis for Variable Viscosity Hydromagnetic Boundary Layer Flow with Thermal Radiation and Newtonian Heating. <i>Entropy</i> , 2011 , 13, 1446-1464	2.8	68
325	On MHD heat and mass transfer over a moving vertical plate with a convective surface boundary condition. <i>Canadian Journal of Chemical Engineering</i> , 2010 , 88, 983-990	2.3	67
324	Impact of chemo-therapy on optimal control of malaria disease with infected immigrants. <i>BioSystems</i> , 2011 , 104, 32-41	1.9	66
323	Magnetohydrodynamic Stagnation Point Flow and Heat Transfer of Casson Nanofluid Past a Stretching Sheet with Slip and Convective Boundary Condition. <i>Journal of Aerospace Engineering</i> , 2016 , 29, 04015037	1.4	65
322	MHD MIXED-CONVECTION INTERACTION WITH THERMAL RADIATION AND nTH ORDER CHEMICAL REACTION PAST A VERTICAL POROUS PLATE EMBEDDED IN A POROUS MEDIUM. <i>Chemical Engineering Communications</i> , 2010 , 198, 590-608	2.2	61
321	Computational modelling of MHD unsteady flow and heat transfer toward a flat plate with Navier slip and Newtonian heating. <i>Brazilian Journal of Chemical Engineering</i> , 2012 , 29, 159-166	1.7	59

320	Irreversibility analysis for a gravity driven non-Newtonian liquid film along an inclined isothermal plate. <i>Physica Scripta</i> , 2006 , 74, 642-645	2.6	54
319	Analysis of Sakiadis flow of nanofluids with viscous dissipation and Newtonian heating. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2012 , 33, 1545-1554	3.2	52
318	Magnetohydrodynamic three-dimensional flow of nanofluids with slip and thermal radiation over a nonlinear stretching sheet: a numerical study. <i>Neural Computing and Applications</i> , 2018 , 30, 1557-1567	4.8	51
317	On inherent irreversibility in a reactive hydromagnetic channel flow. <i>Journal of Thermal Science</i> , 2010 , 19, 72-79	1.9	51
316	Thermophysical aspects of stagnation point magnetonanofluid flow yields by an inclined stretching cylindrical surface: a non-Newtonian fluid model. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2017 , 39, 3669-3682	2	50
315	Ohmic Heating and Non-uniform Heat Source/Sink Roles on 3D Darcy-Borchheimer Flow of CNTs Nanofluids Over a Stretching Surface. <i>Arabian Journal for Science and Engineering</i> , 2020 , 45, 7705-7717	2.5	50
314	Unsteady MHD Falkner-Skan flow of Casson nanofluid with generative/destructive chemical reaction. <i>Chemical Engineering Science</i> , 2017 , 172, 694-706	4.4	48
313	Effects of couple stresses on entropy generation rate in a porous channel with convective heating. <i>Computational and Applied Mathematics</i> , 2015 , 34, 293-307		47
312	Thermodynamic second law analysis for a gravity-driven variable viscosity liquid film along an inclined heated plate with convective cooling. <i>Journal of Mechanical Science and Technology</i> , 2010 , 24, 899-908	1.6	47
311	Magnetohydrodynamic Mixed-Convective Flow and Heat and Mass Transfer Past a Vertical Plate in a Porous Medium With Constant Wall Suction. <i>Journal of Heat Transfer</i> , 2008 , 130,	1.8	44
310	3D Bioconvective multiple slip flow of chemically reactive Casson nanofluid with gyrotactic micro-organisms. <i>Heat Transfer - Asian Research</i> , 2020 , 49, 135-153	2.8	43
309	Implementation of the One-Step One-Hybrid Block Method on the Nonlinear Equation of a Circular Sector Oscillator. <i>Computational Mathematics and Modeling</i> , 2020 , 31, 116-132	0.5	41
308	MHD three dimensional double diffusive flow of Casson nanofluid with buoyancy forces and nonlinear thermal radiation over a stretching surface. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2017 , 27, 2858-2878	4.5	40
307	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. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2018 , 19, 93-106	1.8	40
306	Combined Free and Forced Convection Couette-Hartmann Flow in a Rotating Channel with Arbitrary Conducting Walls and Hall Effects. <i>Journal of Mechanics</i> , 2016 , 32, 613-629	1	40
305	Analysis of Blasius Flow of Hybrid Nanofluids over a Convectively Heated Surface. <i>Defect and Diffusion Forum</i> , 2017 , 377, 29-41	0.7	40
304	Numerical Simulation of Oscillatory MHD Natural Convection in Cylindrical Annulus: Prandtl Number Effect. <i>Defect and Diffusion Forum</i> , 2018 , 387, 417-427	0.7	40
303	Irreversibility analysis in a couple stress film flow along an inclined heated plate with adiabatic free surface. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015 , 432, 222-229	3.3	39

302	Entropy Generation in a Couple Stress Fluid Flow Through a Vertical Channel Filled with Saturated Porous Media. <i>Entropy</i> , 2013 , 15, 4589-4606	2.8	39
301	Numerical study of unsteady hydromagnetic radiating fluid flow past a slippery stretching sheet embedded in a porous medium. <i>Physics of Fluids</i> , 2018 , 30, 083601	4.4	38
300	Unsteady Magnetohydrodynamic Casson Fluid Flow over a Vertical Cone and Flat Plate with Non-Uniform Heat Source/Sink. <i>International Journal of Engineering Research in Africa</i> , 2015 , 21, 69-83	0.7	38
299	MHD Boundary Layer Slip Flow and Heat Transfer of Nanofluid Past a Vertical Stretching Sheet with Non-Uniform Heat Generation/Absorption. <i>International Journal of Nanoscience</i> , 2014 , 13, 1450019	0.6	38
298	MHD Slip Flow of Cu-Kerosene Nanofluid in a Channel with Stretching Walls Using 3-Stage Lobatto IIIA Formula. <i>Defect and Diffusion Forum</i> , 2018 , 387, 51-62	0.7	38
297	UNSTEADY HYDROMAGNETIC FREE CONVECTION FLOW OF A DISSIPATIVE AND RADIATING FLUID PAST A VERTICAL PLATE WITH CONSTANT HEAT FLUX. <i>Chemical Engineering Communications</i> , 2008 , 196, 454-462	2.2	37
296	ENTROPY ANALYSIS OF THERMALLY RADIATING MAGNETOHYDRODYNAMIC SLIP FLOW OF CASSON FLUID IN A MICROCHANNEL FILLED WITH SATURATED POROUS MEDIA. <i>Journal of Porous Media</i> , 2016 , 19, 799-810	2.9	37
295	Entropy generation in couple stress fluid flow through porous channel with fluid slippage. <i>International Journal of Exergy</i> , 2014 , 15, 344	1.2	36
294	Numerical Exploration of Cattaneo-Christov Heat Flux and Mass Transfer in Magnetohydrodynamic Flow over Various Geometries. <i>Defect and Diffusion Forum</i> , 2017 , 374, 67-82	0.7	35
293	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. <i>Symmetry</i> , 2019 , 11, 531	2.7	35
292	ON BOUNDARY LAYER STAGNATION POINT FLOW OF A NANOFLUID OVER A PERMEABLE FLAT SURFACE WITH NEWTONIAN HEATING. <i>Chemical Engineering Communications</i> , 2013 , 200, 836-852	2.2	35
291	Effects of Convective Heating on Entropy Generation Rate in a Channel with Permeable Walls. <i>Entropy</i> , 2013 , 15, 220-233	2.8	35
290	Thermodynamic analysis for a third grade fluid through a vertical channel with internal heat generation. <i>Journal of Hydrodynamics</i> , 2015 , 27, 264-272	3.3	34
289	Thermal analysis of MHD electro-osmotic peristaltic pumping of Casson fluid through a rotating asymmetric micro-channel. <i>Indian Journal of Physics</i> , 2018 , 92, 1439-1448	1.4	34
288	Unsteady Hydromagnetic Natural Convection Flow of a Dusty Fluid Past an Impulsively Moving Vertical Plate With Ramped Temperature in the Presence of Thermal Radiation. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2013 , 80,	2.7	32
287	Thermal criticality for a reactive gravity driven thin film flow of a third-grade fluid with adiabatic free surface down an inclined plane. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2009 , 30, 373-380	3.2	32
286	Modelling and Optimal Control of Typhoid Fever Disease with Cost-Effective Strategies. <i>Computational and Mathematical Methods in Medicine</i> , 2017 , 2017, 2324518	2.8	30
285	Thermal Ignition in a Reactive Viscous Flow Through a Channel Filled With a Porous Medium. <i>Journal of Heat Transfer</i> , 2006 , 128, 601-604	1.8	30

284	Heat and mass transfer analysis of MHD peristaltic flow through a compliant porous channel with variable thermal conductivity. <i>Physica Scripta</i> , 2020 , 95, 045219	2.6	30
283	A comparative study of nanofluids flow yields by an inclined cylindrical surface in a double stratified medium. <i>European Physical Journal Plus</i> , 2017 , 132, 1	3.1	29
282	Combined Effect of Buoyancy Force and Navier Slip on Entropy Generation in a Vertical Porous Channel. <i>Entropy</i> , 2012 , 14, 1028-1044	2.8	29
281	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. <i>Journal of Nanofluids</i> , 2019 , 8, 51-62	2.2	29
280	Modelling and optimal control of pneumonia disease with cost-effective strategies. <i>Journal of Biological Dynamics</i> , 2017 , 11, 400-426	2.4	28
279	Hydromagnetic flow of a variable viscosity nanofluid in a rotating permeable channel with hall effects. <i>Journal of Engineering Thermophysics</i> , 2017 , 26, 553-566	1.4	28
278	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. <i>Arabian Journal for Science and Engineering</i> , 2011 , 36, 1607-1619		28
277	Irreversibility analysis of variable viscosity channel flow with convective cooling at the walls. <i>Canadian Journal of Physics</i> , 2008 , 86, 383-389	1.1	28
276	Effects of Homogenous and Heterogeneous Reactions on Radiative NaCl-CNP Nanofluid Flow Past a Convectively Heated Vertical Riga Plate. <i>Journal of Nanofluids</i> , 2018 , 7, 657-667	2.2	28
275	Numerical investigation of buoyancy effects on hydromagnetic unsteady flow through a porous channel with suction/injection. <i>Journal of Mechanical Science and Technology</i> , 2013 , 27, 1557-1568	1.6	27
274	Hydromagnetic Stagnation-Point Flow towards a Radially Stretching Convectively Heated Disk. <i>Mathematical Problems in Engineering</i> , 2013 , 2013, 1-8	1.1	27
273	On the Chebyshev collocation spectral approach to stability of fluid flow in a porous medium. <i>International Journal for Numerical Methods in Fluids</i> , 2009 , 59, 791-799	1.9	27
272	Effects of chemical reaction on boundary layer flow past a vertical stretching surface in the presence of internal heat generation. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2011 , 21, 779-792	4.5	27
271	Effects of Thermal Radiation on MHD Peristaltic Motion of Walters-B Fluid with Heat Source and Slip Conditions. <i>Journal of Applied Fluid Mechanics</i> , 2017 , 10, 1105-1112	1.5	27
270	MHD Nanofluid Flow Past a Rotating Disk with Thermal Radiation in the Presence of Aluminum and Titanium Alloy Nanoparticles. <i>Defect and Diffusion Forum</i> , 2018 , 384, 69-79	0.7	27
269	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. <i>Defect and Diffusion Forum</i> , 2017 , 378, 125-136	0.7	26
268	Hydromagnetic blasius flow of power-law nanofluids over a convectively heated vertical plate. <i>Canadian Journal of Chemical Engineering</i> , 2015 , 93, 1830-1837	2.3	26
267	Heat Transfer to Magnetohydrodynamic Non-Newtonian Couple Stress Pulsatile Flow Between two Parallel Porous Plates. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2012 , 67, 647-656	1.4	26

266	Thermal stability of a reactive third grade fluid in a cylindrical pipe: An exploitation of HermitePadé approximation technique. <i>Applied Mathematics and Computation</i> , 2007 , 189, 690-697	2.7	26
265	Co-dynamics of Pneumonia and Typhoid fever diseases with cost effective optimal control analysis. <i>Applied Mathematics and Computation</i> , 2018 , 316, 438-459	2.7	25
264	On Temporal Stability Analysis for Hydromagnetic Flow in a Channel Filled with a Saturated Porous Medium. <i>Flow, Turbulence and Combustion</i> , 2009 , 83, 21-32	2.5	25
263	Thermal criticality and entropy analysis for a variable viscosity Couette flow. <i>Physica Scripta</i> , 2008 , 78, 015402	2.6	25
262	MHD Boundary Layer Flow due to Exponential Stretching Surface with Radiation and Chemical Reaction. <i>Mathematical Problems in Engineering</i> , 2013 , 2013, 1-7	1.1	24
261	Double-Diffusive in Mixed Convection and MHD Stagnation Point Flow of Nanofluid Over a Stretching Sheet. <i>Journal of Nanofluids</i> , 2015 , 4, 28-37	2.2	24
260	Magnetohydrodynamic flow and heat transfer impact on ZnO-SAE50 nanolubricant flow over an inclined rotating disk. <i>Journal of Central South University</i> , 2019 , 26, 1146-1160	2.1	23
259	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		23
258	Thermal Radiation Effect on Non-Newtonian Fluid Flow over a Stretched Sheet of Non-Uniform Thickness. <i>Defect and Diffusion Forum</i> , 2017 , 377, 242-259	0.7	23
257	MHD Nanofluid Flow Over a Permeable Vertical Plate with Convective Heating. <i>Journal of Computational and Theoretical Nanoscience</i> , 2014 , 11, 667-675	0.3	23
256	Analysis of Entropy Generation Rate in an Unsteady Porous Channel Flow with Navier Slip and Convective Cooling. <i>Entropy</i> , 2013 , 15, 2081-2099	2.8	23
255	Impact of Variable Transport Properties and Slip Effects on MHD Jeffrey Fluid Flow Through Channel. <i>Arabian Journal for Science and Engineering</i> , 2020 , 45, 417-428	2.5	23
254	Numerical Study of Unsteady MHD Flow and Entropy Generation in a Rotating Permeable Channel with Slip and Hall Effects. <i>Communications in Theoretical Physics</i> , 2018 , 70, 641	2.4	23
253	Optimal control and cost effectiveness analysis for Newcastle disease eco-epidemiological model in Tanzania. <i>Journal of Biological Dynamics</i> , 2017 , 11, 190-209	2.4	22
252	Effects of Navier Slip on Entropy Generation in a Porous Channel with Suction/Injection. <i>Journal of Thermal Science and Technology</i> , 2012 , 7, 522-535	0.6	22
251	On thermal stability of a reactive third-grade fluid in a channel with convective cooling the walls. <i>Applied Mathematics and Computation</i> , 2009 , 213, 170-176	2.7	22
250	Chemically Reacting Hydromagnetic Unsteady Flow of a Radiating Fluid Past a Vertical Plate with Constant Heat Flux. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2012 , 67, 239-247	1.4	22
249	MHD Mixed Convection Slip Flow of Radiating Casson Fluid with Entropy Generation in a Channel Filled with Porous Media. <i>Defect and Diffusion Forum</i> , 2017 , 374, 47-66	0.7	21

248	Entropy generation in a variable viscosity channel flow of nanofluids with convective cooling. <i>Comptes Rendus - Mecanique</i> , 2015 , 343, 38-56	2.1	21
247	Optimal Control and Cost-Effectiveness Analysis for Dysentery Epidemic Model. <i>Applied Mathematics and Information Sciences</i> , 2018 , 12, 1183-1195	2.4	21
246	Entropy optimization for Darcy-Borchheimer electro-magneto-hydrodynamic slip flow of ferrofluid due to stretching/shrinking rotating disk. <i>Waves in Random and Complex Media</i> , 1-33	1.9	21
245	Effect of Convective Boundary Condition on MHD Carreau Dusty Fluid over a Stretching Sheet with Heat Source. <i>Defect and Diffusion Forum</i> , 2017 , 377, 233-241	0.7	20
244	Entropy Generation Analysis in a Variable Viscosity MHD Channel Flow with Permeable Walls and Convective Heating. <i>Mathematical Problems in Engineering</i> , 2013 , 2013, 1-12	1.1	20
243	Mixed Convection From a Convectively Heated Vertical Plate to a Fluid With Internal Heat Generation. <i>Journal of Heat Transfer</i> , 2011 , 133,	1.8	20
242	EMHD flow of non-Newtonian nanofluids over thin needle with Robinson's condition and Arrhenius pre-exponential factor law. <i>Physica Scripta</i> , 2020 , 95, 115219	2.6	20
241	On Stagnation Point Flow of Variable Viscosity Nanofluids Past a Stretching Surface with Radiative Heat. <i>International Journal of Applied and Computational Mathematics</i> , 2017 , 3, 561-578	1.3	19
240	Aligned Magnetic Field Effect on Radiative Bioconvection Flow Past a Vertical Plate with Thermophoresis and Brownian Motion. <i>Defect and Diffusion Forum</i> , 2017 , 377, 127-140	0.7	19
239	Effects of Nonlinear Thermal Radiation and Second Order Slip on Casson Nanofluid Flow between Parallel Plates. <i>Defect and Diffusion Forum</i> , 2017 , 377, 84-94	0.7	19
238	Effect of variable viscosity on thermal boundary layer over a permeable flat plate with radiation and a convective surface boundary condition. <i>Journal of Mechanical Science and Technology</i> , 2012 , 26, 1615-1622	1.6	19
237	Natural Convection of Viscoelastic Fluid from a Cone Embedded in a Porous Medium with Viscous Dissipation. <i>Mathematical Problems in Engineering</i> , 2013 , 2013, 1-11	1.1	19
236	Second Law Analysis of Boundary Layer Flow With Variable Fluid Properties. <i>Journal of Heat Transfer</i> , 2017 , 139,	1.8	18
235	Natural Convection in a Non-Uniformly Heated Vertical Annular Cavity. <i>Defect and Diffusion Forum</i> , 2017 , 377, 189-199	0.7	18
234	Optimal control of HIV/AIDS in the workplace in the presence of careless individuals. <i>Computational and Mathematical Methods in Medicine</i> , 2014 , 2014, 831506	2.8	18
233	Combined effect of buoyancy force and Navier slip on MHD flow of a nanofluid over a convectively heated vertical porous plate. <i>Scientific World Journal, The</i> , 2013 , 2013, 725643	2.2	18
232	Magneto-Nanofluid Flow Past an Impulsively Started Porous Flat Plate in a Rotating Frame. <i>Journal of Nanofluids</i> , 2015 , 4, 167-175	2.2	18
231	Magnetohydrodynamic Peristaltic Flow of Nanofluids in a Convectively Heated Vertical Asymmetric Channel in Presence of Thermal Radiation. <i>Journal of Nanofluids</i> , 2015 , 4, 461-473	2.2	18

230	Heat transfer and buoyancy-driven convective MHD flow of nanofluids impinging over a thin needle moving in a parallel stream influenced by Prandtl number. <i>Heat Transfer</i> , 2020 , 49, 655-672	3.1	18
229	Numerical study of unsteady MHD Couette flow and heat transfer of nanofluids in a rotating system with convective cooling. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2016 , 26, 1567-1579	4.5	18
228	Parameter Estimation and Sensitivity Analysis of Dysentery Diarrhea Epidemic Model. <i>Journal of Applied Mathematics</i> , 2019 , 2019, 1-13	1.1	18
227	Magneto-Hemodynamics of Nanofluid with Heat and Mass Transfer in a Slowly Varying Symmetrical Channel. <i>International Journal of Engineering Research in Africa</i> , 2017 , 28, 118-141	0.7	17
226	Thermodynamics Analysis of MHD Casson Fluid Slip Flow in a Porous Microchannel with Thermal Radiation 2018 , 16, 120-139		17
225	Cross Diffusion Impacts on Hydromagnetic Radiative Peristaltic Carreau-Casson Nanofluids Flow in an Irregular Channel. <i>Defect and Diffusion Forum</i> , 2017 , 377, 62-83	0.7	17
224	Thermal Radiation Effect on 3D Slip Motion of Alcu-Water and Cu-Water Nanofluids over a Variable Thickness Stretched Surface. <i>Defect and Diffusion Forum</i> , 2017 , 377, 141-154	0.7	17
223	COMPUTATIONAL DYNAMICS OF MHD FREE CONVECTION FLOW ALONG AN INCLINED PLATE WITH NEWTONIAN HEATING IN THE PRESENCE OF VOLUMETRIC HEAT GENERATION. <i>Chemical Engineering Communications</i> , 2012 , 199, 1144-1154	2.2	17
222	On Nonperturbative Techniques for Thermal Radiation Effect on Natural Convection past a Vertical Plate Embedded in a Saturated Porous Medium. <i>Mathematical Problems in Engineering</i> , 2008 , 2008, 1-11	1.1	17
221	Thermal criticality in viscous reactive flows through channels with a sliding wall: An exploitation of the Hermite Padé approximation method. <i>Mathematical and Computer Modelling</i> , 2008 , 47, 312-317		17
220	Mixed convection flow of Newtonian fluids over an upper horizontal thermally stratified melting surface of a paraboloid of revolution. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019 , 41, 1	2	16
219	Entropy-optimized radiating water/FCNTs nanofluid boundary-layer flow with convective condition. <i>European Physical Journal Plus</i> , 2020 , 135, 1	3.1	16
218	Thermodynamics Analysis of Unsteady MHD Mixed Convection with Slip and Thermal Radiation over a Permeable Surface. <i>Defect and Diffusion Forum</i> , 2017 , 374, 29-46	0.7	16
217	Unsteady MHD Chemically Reacting and Radiating Mixed Convection Slip Flow Past a Stretching Surface in a Porous Medium. <i>Defect and Diffusion Forum</i> , 2017 , 377, 200-210	0.7	16
216	Effects of Cattaneo-Christov Heat Flux on Casson Nanofluid Flow Past a Stretching Cylinder. <i>Defect and Diffusion Forum</i> , 2017 , 378, 28-38	0.7	16
215	Analysis of Entropy Generation and Thermal Stability in a Slab. <i>Journal of Thermophysics and Heat Transfer</i> , 2010 , 24, 438-444	1.3	16
214	Equal channel angular pressing technique for the formation of ultra-fine grained structures. <i>South African Journal of Science</i> , 2012 , 108,	1.3	16
213	Co-dynamics of measles and dysentery diarrhea diseases with optimal control and cost-effectiveness analysis. <i>Applied Mathematics and Computation</i> , 2019 , 347, 903-921	2.7	16

212	Entropy Generation Due to Heat and Mass Transfer in a Flow of Dissipative Elastic Fluid Through a Porous Medium. <i>Journal of Heat Transfer</i> , 2019 , 141,	1.8	16
211	Significance of Buoyancy, Velocity Index and Thickness of an Upper Horizontal Surface of a Paraboloid of Revolution: The Case of Non-Newtonian Carreau Fluid. <i>Defect and Diffusion Forum</i> , 2018 , 387, 550-561	0.7	16
210	MHD Flow of a Carreau Fluid Past a Stretching Cylinder with Cattaneo-Christov Heat Flux Using Spectral Relaxation Method. <i>Defect and Diffusion Forum</i> , 2018 , 387, 91-105	0.7	16
209	Numerical Investigation of Developing Natural Convection in Vertical Double-Passage Porous Annuli. <i>Defect and Diffusion Forum</i> , 2018 , 387, 442-460	0.7	16
208	Unsteady Convective Flow of Hydrocarbon Magnetite Nano-Suspension in the Presence of Stretching Effects. <i>Defect and Diffusion Forum</i> , 2017 , 377, 155-165	0.7	15
207	Hermite-Padé approximation approach to thermal criticality for a reactive third-grade liquid in a channel with isothermal walls. <i>International Communications in Heat and Mass Transfer</i> , 2007 , 34, 870-877	5.8	15
206	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. <i>Journal of Nanofluids</i> , 2019 , 8, 94-102	2.2	15
205	Boundary layer flow with forced convective heat transfer and viscous dissipation past a porous rotating disk. <i>Chaos, Solitons and Fractals</i> , 2021 , 148, 111055	9.3	15
204	Unsteady MHD Flow in a Porous Channel with Thermal Radiation and Heat Source/Sink. <i>International Journal of Applied and Computational Mathematics</i> , 2019 , 5, 1	1.3	14
203	Computational modelling and optimal control of measles epidemic in human population. <i>BioSystems</i> , 2020 , 190, 104102	1.9	14
202	Analysis of recruitment and industrial human resources management for optimal productivity in the presence of the HIV/AIDS epidemic. <i>Journal of Biological Physics</i> , 2013 , 39, 99-121	1.6	14
201	MHD couple stress nanofluid flow in a permeable wall channel with entropy generation and nonlinear radiative heat. <i>Journal of Thermal Science and Technology</i> , 2017 , 12, JTST0033-JTST0033	0.6	14
200	Mathematical Analysis of the Effects of HIV-Malaria Co-infection on Workplace Productivity. <i>Acta Biotheoretica</i> , 2015 , 63, 151-82	1.1	14
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198	Optimal control analysis of hepatitis C virus with acute and chronic stages in the presence of treatment and infected immigrants. <i>International Journal of Biomathematics</i> , 2014 , 07, 1450019	1.8	14
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98	Simultaneous Convection of Carreau Fluid with Radiation Past a Convectively Heated Moving Plate. <i>Defect and Diffusion Forum</i> , 2018 , 389, 60-70	0.7	5
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