

Fazle Mabood

List of Publications by Year in descending order

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all docs

150
docs citations

150
times ranked

1406
citing authors

#	ARTICLE	IF	CITATIONS
1	MHD boundary layer flow and heat transfer of nanofluids over a nonlinear stretching sheet: A numerical study. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 374, 569-576.	1.0	303
2	MHD flow of a variable viscosity nanofluid over a radially stretching convective surface with radiative heat. <i>Journal of Molecular Liquids</i> , 2016, 219, 624-630.	2.3	176
3	Non-uniform heat source/sink and Soret effects on MHD non-Darcian convective flow past a stretching sheet in a micropolar fluid with radiation. <i>International Journal of Heat and Mass Transfer</i> , 2016, 93, 674-682.	2.5	162
4	MHD stagnation point flow heat and mass transfer of nanofluids in porous medium with radiation, viscous dissipation and chemical reaction. <i>Advanced Powder Technology</i> , 2016, 27, 742-749.	2.0	123
5	MHD stagnation point flow and heat transfer impinging on stretching sheet with chemical reaction and transpiration. <i>Chemical Engineering Journal</i> , 2015, 273, 430-437.	6.6	103
6	On the hydrothermal features of radiative Fe ₃ O ₄ -graphene hybrid nanofluid flow over a slippery bended surface with heat source/sink. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 1273-1289.	2.0	98
7	Cu-Al ₂ O ₃ -H ₂ O hybrid nanofluid flow with melting heat transfer, irreversibility analysis and nonlinear thermal radiation. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 973-984.	2.0	95
8	Magneto-Bioconvection Flow of Williamson Nanofluid over an Inclined Plate with Gyrotactic Microorganisms and Entropy Generation. <i>Fluids</i> , 2021, 6, 109.	0.8	85
9	MHD Couette-Poiseuille flow of variable viscosity nanofluids in a rotating permeable channel with Hall effects. <i>Journal of Molecular Liquids</i> , 2016, 221, 778-787.	2.3	74
10	Melting heat transfer on hydromagnetic flow of a nanofluid over a stretching sheet with radiation and second-order slip. <i>European Physical Journal Plus</i> , 2016, 131, 1.	1.2	72
11	Entropy analysis of a hydromagnetic micropolar dusty carbon NTs-kerosene nanofluid with heat generation: Darcy-Forchheimer scheme. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 2419-2436.	2.0	69
12	Hydrothermal variations of radiative nanofluid flow by the influence of nanoparticles diameter and nanolayer. <i>International Communications in Heat and Mass Transfer</i> , 2022, 130, 105781.	2.9	69
13	Melting heat transfer on MHD convective flow of a nanofluid over a stretching sheet with viscous dissipation and second order slip. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 57, 62-68.	2.7	67
14	Numerical study on bi-phase coupled stress fluid in the presence of Hafnium and metallic nanoparticles over an inclined plane. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019, 29, 2854-2869.	1.6	65
15	Irreversibility analysis of Cu-TiO ₂ -H ₂ O hybrid-nanofluid impinging on a 3-D stretching sheet in a porous medium with nonlinear radiation: Darcy-Forchheimer's model. <i>AJ - Alexandria Engineering Journal</i> , 2020, 59, 5247-5261.	3.4	65
16	MHD flow over exponential radiating stretching sheet using homotopy analysis method. <i>Journal of King Saud University, Engineering Sciences</i> , 2017, 29, 68-74.	1.2	63
17	Chemically reacting on MHD boundary-layer flow of nanofluids over a non-linear stretching sheet with heat source/sink and thermal radiation. <i>Thermal Science</i> , 2018, 22, 495-506.	0.5	63
18	Effects of chemical reaction and partial slip on the three-dimensional flow of a nanofluid impinging on an exponentially stretching surface. <i>European Physical Journal Plus</i> , 2017, 132, 1.	1.2	62

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19	Thermal performance of unsteady mixed convective Ag/MgO nanohybrid flow near the stagnation point domain of a spinning sphere. <i>International Communications in Heat and Mass Transfer</i> , 2022, 134, 106019.	2.9	60
20	Thermal transport of radiative Williamson fluid over stretchable curved surface. <i>Thermal Science and Engineering Progress</i> , 2021, 23, 100887.	1.3	59
21	Characteristics of thermophoresis and Brownian motion on radiative reactive micropolar fluid flow towards continuously moving flat plate: HAM solution. <i>Mathematics and Computers in Simulation</i> , 2022, 191, 187-202.	2.4	59
22	Homogeneous-heterogeneous reactions in MHD radiative flow of second grade fluid due to a curved stretching surface. <i>International Journal of Heat and Mass Transfer</i> , 2019, 145, 118781.	2.5	57
23	Outlining the impact of melting on MHD Casson fluid flow past a stretching sheet in a porous medium with radiation. <i>Heliyon</i> , 2019, 5, e01216.	1.4	53
24	Forced convective Maxwell fluid flow through rotating disk under the thermophoretic particles motion. <i>International Communications in Heat and Mass Transfer</i> , 2020, 116, 104693.	2.9	52
25	Bioconvective flow of viscoelastic Nanofluid over a convective rotating stretching disk. <i>International Communications in Heat and Mass Transfer</i> , 2020, 119, 104921.	2.9	49
26	Impacts of Stefan blowing and mass convention on flow of Maxwell nanofluid of variable thermal conductivity about a rotating disk. <i>Chinese Journal of Physics</i> , 2021, 71, 260-272.	2.0	47
27	Radiation effects on stagnation point flow with melting heat transfer and second order slip. <i>Results in Physics</i> , 2017, 7, 31-42.	2.0	46
28	Heat transfer on the cross flow of micropolar fluids over a thin needle moving in a parallel stream influenced by binary chemical reaction and Arrhenius activation energy. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	46
29	Electromagnetic flow of SWCNT/MWCNT suspensions with optimized entropy generation and cubic auto catalysis chemical reaction. <i>International Communications in Heat and Mass Transfer</i> , 2021, 120, 104996.	2.9	46
30	Effect of nonlinear radiation on 3D unsteady MHD stagnancy flow of Fe ₃ O ₄ /graphene/water hybrid nanofluid. <i>International Journal of Ambient Energy</i> , 2020, , 1-11.	1.4	45
31	Simultaneous results for unsteady flow of MHD hybrid nanoliquid above a flat/slendering surface. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 146, 227-239.	2.0	44
32	Non-linear radiative bioconvection flow of cross nano-material with gyrotatic microorganisms and activation energy. <i>International Communications in Heat and Mass Transfer</i> , 2021, 127, 105530.	2.9	44
33	Two-phase permeable non-Newtonian cross-nanomaterial flow with Arrhenius energy and entropy generation: Darcy-Forchheimer model. <i>Physica Scripta</i> , 2020, 95, 105209.	1.2	44
34	Numerical analysis of hydromagnetic transport of Casson nanofluid over permeable linearly stretched cylinder with Arrhenius activation energy. <i>International Communications in Heat and Mass Transfer</i> , 2022, 130, 105736.	2.9	44
35	Numerical study of the onset of chemical reaction and heat source on dissipative MHD stagnation point flow of Casson nanofluid over a nonlinear stretching sheet with velocity slip and convective boundary conditions. <i>Journal of Engineering Thermophysics</i> , 2017, 26, 256-271.	0.6	43
36	Multiple Slip Effects on MHD Unsteady Flow Heat and Mass Transfer Impinging on Permeable Stretching Sheet with Radiation. <i>Modelling and Simulation in Engineering</i> , 2019, 2019, 1-11.	0.4	43

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37	THERMOMAGNETIC REACTIVE ETHYLENE GLYCOL-METALLIC NANOFUID TRANSPORT FROM A CONVECTIVELY HEATED POROUS SURFACE WITH OHMIC DISSIPATION, HEAT SOURCE, THERMOPHORESIS AND BROWNIAN MOTION EFFECTS. <i>International Journal of Modelling and Simulation</i> , 2022, 42, 782-796.	2.3	41
38	Numerical simulation of heat and mass transfer in magnetic nanofuid flow by a rotating disk with variable fluid properties. <i>International Communications in Heat and Mass Transfer</i> , 2022, 133, 105977.	2.9	41
39	Entropy optimization analysis on nonlinear thermal radiative electromagnetic Darcy–Forchheimer flow of SWCNT/MWCNT nanomaterials. <i>Applied Nanoscience (Switzerland)</i> , 2021, 11, 399-418.	1.6	39
40	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.	2.5	39
41	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.	1.2	39
42	Effect of melting and heat generation/absorption on Sisko nanofuid over a stretching surface with nonlinear radiation. <i>Physica Scripta</i> , 2019, 94, 065701.	1.2	38
43	Entropy analysis of non-linear radiative flow of Carreau liquid over curved stretching sheet. <i>International Communications in Heat and Mass Transfer</i> , 2020, 119, 104975.	2.9	38
44	Rheological features of non-Newtonian nanofluids flows induced by stretchable rotating disk. <i>Physica Scripta</i> , 2021, 96, 035210.	1.2	38
45	Entropy optimized assisting and opposing non-linear radiative flow of hybrid nanofuid. <i>Waves in Random and Complex Media</i> , 0, , 1-22.	1.6	38
46	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.	1.7	37
47	Analytical study for unsteady nanofuid MHD Flow impinging on heated stretching sheet. <i>Journal of Molecular Liquids</i> , 2016, 219, 216-223.	2.3	36
48	Bioconvection and activation energy dynamisms on radiative sutterby melting nanomaterial with gyrotactic microorganism. <i>Case Studies in Thermal Engineering</i> , 2022, 30, 101749.	2.8	36
49	Entropy optimized radiative heat transportation in axisymmetric flow of Williamson nanofuid with activation energy. <i>Results in Physics</i> , 2020, 19, 103576.	2.0	35
50	Dissipative Power-law fluid flow using spectral quasi linearization method over an exponentially stretchable surface with Hall current and power-law slip velocity. <i>International Communications in Heat and Mass Transfer</i> , 2020, 119, 104933.	2.9	33
51	Effect of melting heat transfer and thermal radiation on Casson fluid flow in porous medium over moving surface with magnetohydrodynamics. <i>Journal of Engineering Thermophysics</i> , 2016, 25, 536-547.	0.6	32
52	Hydromagnetic flow of a variable viscosity nanofuid in a rotating permeable channel with hall effects. <i>Journal of Engineering Thermophysics</i> , 2017, 26, 553-566.	0.6	32
53	Approximate analytic solutions for influence of heat transfer on MHD stagnation point flow in porous medium. <i>Computers and Fluids</i> , 2014, 100, 72-78.	1.3	31
54	Radiation and joule heating effects on electroosmosis-modulated peristaltic flow of Prandtl nanofuid via tapered channel. <i>International Communications in Heat and Mass Transfer</i> , 2021, 123, 105183.	2.9	30

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55	Casson fluid flow: Free convective heat and mass transfer over an unsteady permeable stretching surface considering viscous dissipation. <i>Journal of Engineering Thermophysics</i> , 2017, 26, 39-52.	0.6	28
56	Thermal and species transportation of Eyring-Powell material over a rotating disk with swimming microorganisms: applications to metallurgy. <i>Journal of Materials Research and Technology</i> , 2020, 9, 5577-5590.	2.6	28
57	Stability analysis and heat transfer of hybrid Cu-Al ₂ O ₃ /H ₂ O nanofluids transport over a stretching surface. <i>International Communications in Heat and Mass Transfer</i> , 2021, 123, 105215.	2.9	28
58	Effects of Combined Heat and Mass Transfer on Entropy Generation due to MHD Nanofluid Flow over a Rotating Frame. <i>Computers, Materials and Continua</i> , 2020, 66, 575-587.	1.5	28
59	Viscous dissipation effects on unsteady mixed convective stagnation point flow using Tiwari-Das nanofluid model. <i>Results in Physics</i> , 2017, 7, 280-287.	2.0	27
60	Heat generation and nonlinear radiation effects on MHD Casson nanofluids over a thin needle embedded in porous medium. <i>International Communications in Heat and Mass Transfer</i> , 2021, 127, 105547.	2.9	27
61	Homotopy Simulation of Nonlinear Unsteady Rotating Nanofluid Flow from a Spinning Body. <i>International Journal of Engineering Mathematics</i> , 2015, 2015, 1-15.	0.2	26
62	Framing the features of Brownian motion and thermophoresis on radiative nanofluid flow past a rotating stretching sheet with magnetohydrodynamics. <i>Results in Physics</i> , 2016, 6, 1015-1023.	2.0	26
63	Unsteady Convective Boundary Layer Flow of Maxwell Fluid with Nonlinear Thermal Radiation: A Numerical Study. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2016, 17, 221-229.	0.4	26
64	Features of entropy optimization on MHD couple stress nanofluid slip flow with melting heat transfer and nonlinear thermal radiation. <i>Scientific Reports</i> , 2020, 10, 19163.	1.6	26
65	Impact of heat generation/absorption of magnetohydrodynamics Oldroyd-B fluid impinging on an inclined stretching sheet with radiation. <i>Scientific Reports</i> , 2020, 10, 17688.	1.6	24
66	Dynamics of Sutterby fluid flow due to a spinning stretching disk with non-Fourier/Fick heat and mass flux models. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2021, 42, 1247-1258.	1.9	24
67	Radiation effects on Williamson nanofluid flow over a heated surface with magnetohydrodynamics. <i>International Journal of Heat and Technology</i> , 2017, 35, 196-204.	0.3	24
68	Optimal Homotopy Asymptotic Method for Flow and Heat Transfer of a Viscoelastic Fluid in an Axisymmetric Channel with a Porous Wall. <i>PLoS ONE</i> , 2013, 8, e83581.	1.1	23
69	Approximate analytical modeling of heat and mass transfer in hydromagnetic flow over a non-isothermal stretched surface with heat generation/absorption and transpiration. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 54, 11-19.	2.7	23
70	Multiple slips effects on MHD Casson fluid flow in porous media with radiation and chemical reaction. <i>Canadian Journal of Physics</i> , 2016, 94, 26-34.	0.4	23
71	Dynamics of water conveying single-wall carbon nanotubes and magnetite nanoparticles subject to induced magnetic field: A bioconvective model for theranostic applications. <i>International Communications in Heat and Mass Transfer</i> , 2021, 126, 105484.	2.9	23
72	Entropy Generation in the Magnetohydrodynamic Jeffrey Nanofluid Flow Over a Stretching Sheet with Wide Range of Engineering Application Parameters. <i>International Journal of Applied and Computational Mathematics</i> , 2022, 8, 1.	0.9	23

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73	Homotopy analysis method for boundary layer flow and heat transfer over a permeable flat plate in a Darcian porous medium with radiation effects. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 1217-1224.	2.7	22
74	On 3D Prandtl nanofluid flow with higher-order chemical reaction. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2021, 235, 3962-3974.	1.1	22
75	Entropy-optimized radiating water/FCNTs nanofluid boundary-layer flow with convective condition. <i>European Physical Journal Plus</i> , 2020, 135, 1.	1.2	22
76	Flow of three-dimensional radiative Williamson fluid over an inclined stretching sheet with Hall current and higher-order chemical reaction. <i>Heat Transfer</i> , 2021, 50, 5400-5417.	1.7	22
77	Entropy anatomization on Marangoni Maxwell fluid over a rotating disk with nonlinear radiative flux and Arrhenius activation energy. <i>International Communications in Heat and Mass Transfer</i> , 2020, 118, 104857.	2.9	21
78	MHD and nonlinear thermal radiation effects on hybrid nanofluid past a wedge with heat source and entropy generation. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2022, 32, 120-137.	1.6	21
79	Effects of thermal radiation on Casson flow heat and mass transfer around a circular cylinder in porous medium. <i>European Physical Journal Plus</i> , 2015, 130, 1.	1.2	20
80	Forced convection of nanofluid flow across horizontal circular cylinder with convective boundary condition. <i>Journal of Molecular Liquids</i> , 2016, 222, 172-180.	2.3	20
81	Effects of Slip and Radiation on Convective MHD Casson Nanofluid Flow over a Stretching Sheet Influenced by Variable Viscosity. <i>Journal of Engineering Thermophysics</i> , 2020, 29, 303-315.	0.6	20
82	Effect of heat radiating and generating second-grade mixed convection flow over a vertical slender cylinder with variable physical properties. <i>International Communications in Heat and Mass Transfer</i> , 2021, 121, 105110.	2.9	19
83	Slip Effects and Entropy Generation on Inclined MHD Flow of Williamson Fluid Through a Permeable Wall with Chemical Reaction via DTM. <i>Mathematical Modelling of Engineering Problems</i> , 2020, 7, 1-9.	0.3	19
84	A numerical model for analysis of binary chemical reaction and activation energy of thermo solutal micropolar nanofluid flow through permeable stretching sheet: nanoparticle study. <i>Physica Scripta</i> , 2021, 96, 075206.	1.2	18
85	Nonlinear Convective Flow of Magnetohydrodynamic Oldroyd 8-Constant Fluid in a Channel With Chemical Reaction and Convective Boundary Condition. <i>Journal of Thermal Science and Engineering Applications</i> , 2020, 12, .	0.8	18
86	Effects of Soret and Non-Uniform Heat Source on MHD Non-Darcian Convective Flow over a Stretching Sheet in a Dissipative Micropolar Fluid with Radiation. <i>Journal of Applied Fluid Mechanics</i> , 2016, 9, 2503-2513.	0.4	18
87	Optimal homotopy asymptotic method for heat transfer in hollow sphere with robin boundary conditions. <i>Heat Transfer - Asian Research</i> , 2014, 43, 124-133.	2.8	17
88	Non-orthogonal stagnation point flow of Maxwell nano-material over a stretching cylinder. <i>International Communications in Heat and Mass Transfer</i> , 2021, 120, 105043.	2.9	17
89	Thermal analysis of higher-order chemical reactive viscoelastic nanofluids flow in porous media via stretching surface. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2021, 235, 6099-6110.	1.1	17
90	Nonlinear thermal radiation and activation energy features in axisymmetric rotational stagnation point flow of hybrid nanofluid. <i>International Communications in Heat and Mass Transfer</i> , 2021, 126, 105335.	2.9	17

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91	ENTROPY GENERATION AND IRREVERSIBILITY ANALYSIS ON FREE CONVECTIVE UNSTEADY MHD CASSON FLUID FLOW OVER A STRETCHING SHEET WITH SORET/DUFOUR IN POROUS MEDIA. <i>Special Topics and Reviews in Porous Media</i> , 2020, 11, 595-611.	0.6	17
92	MHD mixed convection slip flow near a stagnation-point on a non-linearly vertical stretching sheet in the presence of viscous dissipation. <i>Thermal Science</i> , 2017, 21, 2731-2745.	0.5	17
93	Features of inclined magnetohydrodynamics on a second-grade fluid impinging on vertical stretching cylinder with suction and Newtonian heating. <i>Mathematical Methods in the Applied Sciences</i> , 0, , .	1.2	14
94	Cattaneo-Christov double diffusion on micropolar magneto cross nanofluids with entropy generation. <i>Indian Journal of Physics</i> , 2022, 96, 193-208.	0.9	14
95	Carbon nanotubes-water between stretchable rotating disks with convective boundary conditions: Darcy-Forchheimer scheme. <i>International Journal of Ambient Energy</i> , 2022, 43, 3981-3994.	1.4	14
96	Implications of the third-grade nanomaterials lubrication problem in terms of radiative heat flux: A Keller box analysis. <i>Chemical Physics Letters</i> , 2021, 783, 139041.	1.2	14
97	Bidirectional rotating flow of nanofluid over a variable thickened stretching sheet with non-Fourier's heat flux and non-Fick's mass flux theory. <i>PLoS ONE</i> , 2022, 17, e0265443.	1.1	14
98	Chemical reaction effects on MHD rotating fluid over a vertical plate embedded in porous medium with heat source. <i>Journal of Engineering Thermophysics</i> , 2017, 26, 399-415.	0.6	13
99	Features of Cattaneo-Christov heat flux model for Stagnation point flow of a Jeffrey fluid impinging over a stretching sheet: A numerical study. <i>Heat Transfer</i> , 2020, 49, 2706-2716.	1.7	13
100	Heat and Mass Transfer along Vertical Channel in Porous Medium with Radiation Effect and Slip Condition. <i>International Journal of Heat and Technology</i> , 2016, 34, 129-136.	0.3	13
101	Numerical Study of Unsteady Jeffery Fluid Flow With Magnetic Field Effect and Variable Fluid Properties. <i>Journal of Thermal Science and Engineering Applications</i> , 2016, 8, .	0.8	12
102	Effects of chemical reaction on combined heat and mass transfer by laminar mixed convection flow from vertical surface with induced magnetic field and radiation. <i>Journal of Engineering Thermophysics</i> , 2017, 26, 234-255.	0.6	12
103	Entropy generation analysis in the electro-osmosis-modulated peristaltic flow of Eyring-Powell fluid. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 3815-3830.	2.0	12
104	Simulations of unsteady blood flow through curved stenosed channel with effects of entropy generations and magneto-hydrodynamics. <i>International Communications in Heat and Mass Transfer</i> , 2021, 127, 105569.	2.9	12
105	Homotopy Analysis Method for Radiation and Hydrodynamic-Thermal Slips Effects on MHD Flow and Heat Transfer Impinging on Stretching Sheet. <i>Defect and Diffusion Forum</i> , 0, 388, 317-327.	0.4	11
106	A computational study of unsteady radiative magnetohydrodynamic Blasius and Sakiadis flow with leading-edge accretion (ablation). <i>Heat Transfer</i> , 2020, 49, 1355-1373.	1.7	11
107	Heterogeneous and homogeneous reactive flow of magnetite-water nanofluid over a magnetized moving plate. <i>Propulsion and Power Research</i> , 2022, 11, 265-275.	2.0	11
108	Effects of prescribed heat flux and transpiration on MHD axisymmetric flow impinging on stretching cylinder. <i>Continuum Mechanics and Thermodynamics</i> , 2016, 28, 1925-1932.	1.4	10

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109	Darcy Forchheimer electromagnetic stretched flow of carbon nanotubes over an inclined cylinder: Entropy optimization and quartic chemical reaction. <i>Mathematical Methods in the Applied Sciences</i> , 0, , .	1.2	10
110	Effects of non-linear radiation and chemical reaction on Oldroyd-B nanofluid near oblique stagnation point flow. <i>Chinese Journal of Physics</i> , 2022, 77, 1197-1208.	2.0	10
111	Stagnation Point Flow of Nanofluid over a Moving Plate with Convective Boundary Condition and Magnetohydrodynamics. <i>Journal of Engineering (United States)</i> , 2016, 2016, 1-11.	0.5	9
112	Numerical simulation for entropy optimized nonlinear radiative flow of $GO-Al_2O_3$ magneto nanomaterials with auto catalysis chemical reaction. <i>Numerical Methods for Partial Differential Equations</i> , 2020, , .	2.0	9
113	Convective heat and zero-mass flux conditions in the time-dependent second-grade nanofluid flow by unsteady bidirectional surface movement. <i>Chinese Journal of Physics</i> , 2021, 72, 448-460.	2.0	9
114	Cattaneo-Christov heat flux model for three-dimensional magnetohydrodynamic flow of an Eyring Powell fluid over an exponentially stretching surface with convective boundary condition. <i>Numerical Methods for Partial Differential Equations</i> , 2023, 39, 242-253.	2.0	9
115	Approximate Analytical Solution of Stagnation Point Flow and Heat Transfer over an Exponential Stretching Sheet with Convective Boundary Condition. <i>Heat Transfer - Asian Research</i> , 2015, 44, 293-304.	2.8	8
116	Numerical simulations for swimming of gyrotactic microorganisms with Williamson nanofluid featuring Wu's slip, activation energy and variable thermal conductivity. <i>Applied Nanoscience (Switzerland)</i> , 2023, 13, 131-144.	1.6	8
117	Magnetohydrodynamic nonlinear mixed convection flow of reactive tangent hyperbolic nano fluid passing a nonlinear stretchable surface. <i>Physica Scripta</i> , 2021, 96, 015204.	1.2	8
118	On numerical analysis of hydromagnetic radiative Jeffery nanofluid flow by variable thickness surface with activation energy and unsteadiness aspects. <i>Waves in Random and Complex Media</i> , 0, , 1-19.	1.6	8
119	Analytical modelling of free convection of non-Newtonian nanofluids flow in porous media with gyrotactic microorganisms using OHAM. , 2014, , .		7
120	Significance of viscous dissipation on the dynamics of ethylene glycol conveying diamond and silica nanoparticles through a diverging and converging channel. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 661-674.	2.0	7
121	Finite difference simulation for oblique stagnation point flow of viscous nanofluid towards a stretching cylinder. <i>Physica Scripta</i> , 2021, 96, 015212.	1.2	7
122	Series Solution for Steady Heat Transfer in a Heat-Generating Fin with Convection and Radiation. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-7.	0.6	6
123	ANALYTICAL INVESTIGATION FOR FREE CONVECTIVE FLOW OF NON-NEWTONIAN NANOFLUIDS FLOW IN POROUS MEDIA WITH GYROTACTIC MICROORGANISMS. <i>Journal of Porous Media</i> , 2015, 18, 653-663.	1.0	6
124	Mixed convective flow and heat transfer of hybrid nanofluid impinging obliquely on a vertical cylinder. <i>International Journal of Ambient Energy</i> , 2022, 43, 4343-4355.	1.4	6
125	The new analytical study for boundary-layer slip flow and heat transfer of nanofluid over a stretching sheet. <i>Thermal Science</i> , 2017, 21, 289-301.	0.5	6
126	Comparison of Optimal Homotopy Asymptotic and Adomian Decomposition Methods for a Thin Film Flow of a Third Grade Fluid on a Moving Belt. <i>Advances in Mathematical Physics</i> , 2015, 2015, 1-4.	0.4	5

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127	Analytical Investigation of Magnetohydrodynamic Flow over a Nonlinear Porous Stretching Sheet. <i>Advances in Mathematical Physics</i> , 2016, 2016, 1-6.	0.4	4
128	Optimal homotopy asymptotic method for solving nth order linear fuzzy initial value problems. <i>Journal of the Association of Arab Universities for Basic and Applied Sciences</i> , 2016, 21, 77-85.	1.0	4
129	Thermophoresis effect on peristaltic flow of viscous nanofluid in rotating frame. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 2621-2635.	2.0	4
130	Multiple Slips Effects on MHD Thermo-Solutal Flow in Porous Media Saturated by Nanofluid. <i>Mathematical Modelling of Engineering Problems</i> , 2019, 6, 502-510.	0.3	4
131	Cattaneo-Christov model for triple diffusive natural convection flows over horizontal plate with entropy analysis embedded in porous regime. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2022, 236, 4776-4790.	1.1	4
132	Asymptotic Solution for a Water Quality Model in a Uniform Stream. <i>International Journal of Engineering Mathematics</i> , 2013, 2013, 1-4.	0.2	3
133	Comparison of optimal homotopy asymptotic method and homotopy perturbation method for strongly non-linear equation. <i>Journal of the Association of Arab Universities for Basic and Applied Sciences</i> , 2014, 16, 21-26.	1.0	3
134	Optimal Homotopy Asymptotic Solution for Exothermic Reactions Model with Constant Heat Source in a Porous Medium. <i>Advances in Mathematical Physics</i> , 2015, 2015, 1-4.	0.4	3
135	Electro-Osmotic Flow of Prandtl Nanofluids with Thermal and Solutal Slip Flow Constraints: Keller Box Simulations. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 8439-8456.	1.7	3
136	Thermal analysis of unsteady hybrid nanofluid magneto-hemodynamics flow via overlapped curved stenosed channel. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2022, 236, 8754-8766.	1.1	3
137	Forced convective micropolar fluid flow through stretchable disk with thermophoresis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 3889-3900.	2.0	2
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