

A.M. Rashad

List of Publications by Year in descending order

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175
papers

6,193
citations

71061

41
h-index

106281

65
g-index

179
all docs

179
docs citations

179
times ranked

1774
citing authors

#	ARTICLE	IF	CITATIONS
1	Entropy generation and MHD natural convection of a nanofluid in an inclined square porous cavity: Effects of a heat sink and source size and location. Chinese Journal of Physics, 2018, 56, 193-211.	2.0	188
2	Magnetic field and internal heat generation effects on the free convection in a rectangular cavity filled with a porous medium saturated with Cu-water nanofluid. International Journal of Heat and Mass Transfer, 2017, 104, 878-889.	2.5	185
3	Soret effect on mixed convection flow in a nanofluid under convective boundary condition. International Journal of Heat and Mass Transfer, 2013, 64, 384-392.	2.5	156
4	Effects of heat sink and source and entropy generation on MHD mixed convection of a Cu-water nanofluid in a lid-driven square porous enclosure with partial slip. Physics of Fluids, 2017, 29, .	1.6	146
5	Magnetohydrodynamics Natural Convection in a Triangular Cavity Filled With a Cu-Al ₂ O ₃ /Water Hybrid Nanofluid With Localized Heating From Below and Internal Heat Generation. Journal of Heat Transfer, 2018, 140, .	1.2	144
6	Effects of heat source and sink on entropy generation and MHD natural convection of Al ₂ O ₃ -Cu/water hybrid nanofluid filled with square porous cavity. Thermal Science and Engineering Progress, 2018, 6, 57-71.	1.3	133
7	Non-Darcy natural convection flow for non-Newtonian nanofluid over cone saturated in porous medium with uniform heat and volume fraction fluxes. International Journal of Numerical Methods for Heat and Fluid Flow, 2015, 25, 422-437.	1.6	132
8	Radiation effects on mixed convection about a cone embedded in a porous medium filled with a nanofluid. Meccanica, 2013, 48, 275-285.	1.2	131
9	Natural bioconvection flow of a nanofluid containing gyrotactic microorganisms about a truncated cone. European Journal of Mechanics, B/Fluids, 2019, 75, 133-142.	1.2	115
10	Radiation Effects on Mixed Convection over a Wedge Embedded in a Porous Medium Filled with a Nanofluid. Transport in Porous Media, 2012, 91, 261-279.	1.2	105
11	Natural convection from a vertical permeable cone in a nanofluid saturated porous media for uniform heat and nanoparticles volume fraction fluxes. International Journal of Numerical Methods for Heat and Fluid Flow, 2012, 22, 1073-1085.	1.6	100
12	Gyrotactic mixed bioconvection flow of a nanofluid past a circular cylinder with convective boundary condition. Journal of the Taiwan Institute of Chemical Engineers, 2019, 99, 9-17.	2.7	100
13	Effects of partial slip on entropy generation and MHD combined convection in a lid-driven porous enclosure saturated with a Cu-water nanofluid. Journal of Thermal Analysis and Calorimetry, 2018, 132, 1291-1306.	2.0	90
14	Galerkin finite element analysis of thermal aspects of FeO-MWCNT/water hybrid nanofluid filled in wavy enclosure with uniform magnetic field effect. International Communications in Heat and Mass Transfer, 2021, 126, 105461.	2.9	90
15	Magnetohydrodynamic natural convection of hybrid nanofluid in a porous enclosure: numerical analysis of the entropy generation. Journal of Thermal Analysis and Calorimetry, 2020, 141, 1981-1992.	2.0	88
16	Heat Source/Sink Effects on a Hybrid Nanofluid-Filled Porous Cavity. Journal of Thermophysics and Heat Transfer, 2017, 31, 847-857.	0.9	86
17	Magnetohydrodynamic Mixed Convection and Entropy Analysis of Nanofluid in Gamma-Shaped Porous Cavity. Journal of Thermophysics and Heat Transfer, 2020, 34, 836-847.	0.9	86
18	MHD natural convection of Sodium Alginate Casson nanofluid over a solid sphere. Results in Physics, 2020, 16, 102818.	2.0	85

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19	Unsteady heat and mass transfer by MHD mixed convection flow from a rotating vertical cone with chemical reaction and Soret and Dufour effects. <i>Canadian Journal of Chemical Engineering</i> , 2014, 92, 758-767.	0.9	84
20	MHD mixed convection of localized heat source/sink in a nanofluid-filled lid-driven square cavity with partial slip. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 68, 173-186.	2.7	81
21	Natural convection boundary layer of a non-Newtonian fluid about a permeable vertical cone embedded in a porous medium saturated with a nanofluid. <i>Computers and Mathematics With Applications</i> , 2011, 62, 3140-3151.	1.4	80
22	Impact of heated obstacle position on magneto-hybrid nanofluid flow in a lid-driven porous cavity with Cattaneo-Christov heat flux pattern. <i>AEJ - Alexandria Engineering Journal</i> , 2021, 60, 821-835.	3.4	80
23	MHD mixed convection of localized heat source/sink in an Al ₂ O ₃ -Cu/water hybrid nanofluid in L-shaped cavity. <i>AEJ - Alexandria Engineering Journal</i> , 2021, 60, 2947-2962.	3.4	80
24	Mixed convective boundary layer flow over a vertical wedge embedded in a porous medium saturated with a nanofluid: Natural Convection Dominated Regime. <i>Nanoscale Research Letters</i> , 2011, 6, 207.	3.1	79
25	Mixed convection in a nanofluid filled-cavity with partial slip subjected to constant heat flux and inclined magnetic field. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 416, 25-36.	1.0	77
26	Impact of thermal radiation on MHD slip flow of a ferrofluid over a non-isothermal wedge. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 422, 25-31.	1.0	76
27	Mixed convection boundary-layer flow past a horizontal circular cylinder embedded in a porous medium filled with a nanofluid under convective boundary condition. <i>Computers and Fluids</i> , 2013, 86, 380-388.	1.3	74
28	MHD mixed convection and entropy generation of nanofluid in a lid-driven U-shaped cavity with internal heat and partial slip. <i>Physics of Fluids</i> , 2019, 31, .	1.6	70
29	Magnetic effect on thermally stratified nanofluid saturated non-Darcy porous medium under convective boundary condition. <i>International Communications in Heat and Mass Transfer</i> , 2013, 47, 41-48.	2.9	69
30	MHD mixed convection of Cu-water nanofluid in a two-sided lid-driven porous cavity with a partial slip. <i>Numerical Heat Transfer; Part A: Applications</i> , 2016, 70, 1356-1370.	1.2	64
31	Transpiration and Thermophoresis Effects on Non-Darcy Convective Flow Past a Rotating Cone with Thermal Radiation. <i>Arabian Journal for Science and Engineering</i> , 2016, 41, 4691-4700.	1.1	64
32	Activation Energy Impact on Chemically Reacting Eyring-Powell Nanofluid Flow Over a Stretching Cylinder. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 5227-5242.	1.7	64
33	Soret and Dufour effects on unsteady double diffusive natural convection in porous trapezoidal enclosures. <i>International Journal of Mechanical Sciences</i> , 2018, 140, 172-178.	3.6	59
34	Transient natural convection flow of a nanofluid over a vertical cylinder. <i>Meccanica</i> , 2013, 48, 71-81.	1.2	54
35	Non-similar solutions for mixed convection along a wedge embedded in a porous medium saturated by a non-Newtonian nanofluid. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2014, 24, 1471-1486.	1.6	50
36	MHD Mixed Bioconvection in a Square Porous Cavity Filled by Gyrotactic Microorganisms. <i>International Journal of Heat and Technology</i> , 2019, 37, 433-445.	0.3	49

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37	MHD natural convection from two heating modes in fined triangular enclosures filled with porous media using nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 3133-3149.	2.0	48
38	MHD Natural Convection in a Square Enclosure using Nanofluid with the Influence of Thermal Boundary Conditions. <i>Journal of Applied Fluid Mechanics</i> , 2016, 9, 2515-2525.	0.4	48
39	Boundary-Layer Heat Transfer from a Stretching Circular Cylinder in a Nanofluid. <i>Journal of Thermophysics and Heat Transfer</i> , 2011, 25, 183-186.	0.9	47
40	Effect of chemical reaction on heat and mass transfer by mixed convection flow about a sphere in a saturated porous media. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2011, 21, 418-433.	1.6	47
41	Mixed convection flow of a micropolar fluid over a continuously moving vertical surface immersed in a thermally and solutally stratified medium with chemical reaction. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 2163-2169.	2.7	47
42	Inclined magneto: convection, internal heat, and entropy generation of nanofluid in an I-shaped cavity saturated with porous media. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 142, 2273-2285.	2.0	47
43	Chemical reaction effects on MHD convective heat and mass transfer flow past a rotating vertical cone embedded in a variable porosity regime. <i>Afrika Matematika</i> , 2016, 27, 645-665.	0.4	46
44	EFFECT OF THERMAL RADIATION ON NON-DARCY NATURAL CONVECTION FROM A VERTICAL CYLINDER EMBEDDED IN A NANOFLUID POROUS MEDIA. <i>Journal of Porous Media</i> , 2014, 17, 269-278.	1.0	45
45	Influence of radiation on MHD free convection from a vertical flat plate embedded in porous media with thermophoretic deposition of particles. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2008, 13, 2213-2222.	1.7	44
46	Bioconvection in nanofluid-saturated porous square cavity containing oxytactic microorganisms. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019, 29, 1448-1465.	1.6	44
47	Unsteady MHD combined convection over a moving vertical sheet in a fluid saturated porous medium with uniform surface heat flux. <i>Mathematical and Computer Modelling</i> , 2007, 46, 384-397.	2.0	43
48	MHD Bioconvection Flow and Heat Transfer of Nanofluid through an Exponentially Stretchable Sheet. <i>Symmetry</i> , 2020, 12, 692.	1.1	42
49	Impact of Partial Slip on Magneto-Ferofluids Mixed Convection Flow in Enclosure. <i>Journal of Thermal Science and Engineering Applications</i> , 2020, 12, .	0.8	42
50	Magneto-convection of nanofluids in a lid-driven trapezoidal cavity with internal heat generation and discrete heating. <i>Numerical Heat Transfer; Part A: Applications</i> , 2017, 71, 1223-1234.	1.2	40
51	Entropy generation and nanofluid mixed convection in a C-shaped cavity with heat corner and inclined magnetic field. <i>European Physical Journal: Special Topics</i> , 2019, 228, 2619-2645.	1.2	40
52	Effects of discrete heat source location on heat transfer and entropy generation of nanofluid in an open inclined L-shaped cavity. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019, 29, 1363-1377.	1.6	40
53	Bioconvection in oxytactic microorganism-saturated porous square enclosure with thermal radiation impact. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 140, 2387-2395.	2.0	39
54	Heat transfer analysis of ethylene glycol-based Casson nanofluid around a horizontal circular cylinder with MHD effect. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2020, 234, 2569-2580.	1.1	38

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55	Effect of Radiation on Non-Darcy Free Convection from a Vertical Cylinder Embedded in a Fluid-Saturated Porous Medium with a Temperature-Dependent Viscosity. <i>Journal of Porous Media</i> , 2007, 10, 209-218.	1.0	38
56	HEAT AND MASS TRANSFER IN TRANSIENT FLOW BY MIXED CONVECTION BOUNDARY LAYER OVER A STRETCHING SHEET EMBEDDED IN A POROUS MEDIUM WITH CHEMICALLY REACTIVE SPECIES. <i>Journal of Porous Media</i> , 2010, 13, 75-85.	1.0	38
57	Non-Darcy Natural Convection From a Vertical Cylinder Embedded in a Thermally Stratified and Nanofluid-Saturated Porous Media. <i>Journal of Heat Transfer</i> , 2014, 136, .	1.2	37
58	A Numerical Approach for the Heat Transfer Flow of Carboxymethyl Cellulose-Water Based Casson Nanofluid from a Solid Sphere Generated by Mixed Convection under the Influence of Lorentz Force. <i>Mathematics</i> , 2020, 8, 1094.	1.1	37
59	Unsteady MHD Mixed Convection Flow of Non-Newtonian Casson Hybrid Nanofluid in the Stagnation Zone of Sphere Spinning Impulsively. <i>Fluids</i> , 2021, 6, 197.	0.8	37
60	Lie group analysis of unsteady MHD three dimensional by natural convection from an inclined stretching surface saturated porous medium. <i>Journal of Computational and Applied Mathematics</i> , 2008, 213, 582-603.	1.1	36
61	Entropy Generation Analysis of the MHD Flow of Couple Stress Fluid between Two Concentric Rotating Cylinders with Porous Lining. <i>Heat Transfer - Asian Research</i> , 2017, 46, 316-330.	2.8	36
62	Unsteady nanofluid flow over an inclined stretching surface with convective boundary condition and anisotropic slip impact. <i>International Journal of Heat and Technology</i> , 2017, 35, 82-90.	0.3	36
63	MAGNETOHYDRODYNAMIC EFFECT ON NATURAL CONVECTION IN A CAVITY FILLED WITH A POROUS MEDIUM SATURATED WITH NANOFLUID. <i>Journal of Porous Media</i> , 2017, 20, 363-379.	1.0	35
64	Magneto-Hybrid Nanofluids Flow via Mixed Convection past a Radiative Circular Cylinder. <i>Scientific Reports</i> , 2020, 10, 10494.	1.6	35
65	Framing the Activation Energy and Binary Chemical Reaction on CNTs with Cattaneo-Christov Heat Diffusion on Maxwell Nanofluid in the Presence of Nonlinear Thermal Radiation. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 10313-10325.	1.7	34
66	Mixed Convective Flow of Micropolar Nanofluid across a Horizontal Cylinder in Saturated Porous Medium. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 5241.	1.3	34
67	Radiation Effects on Natural Bioconvection Flow of a Nanofluid Containing Gyrotactic Microorganisms Past a Vertical Plate with Streamwise Temperature Variation. <i>Journal of Nanofluids</i> , 2017, 6, 587-595.	1.4	34
68	Effects of radiation and variable viscosity on unsteady MHD flow of a rotating fluid from stretching surface in porous medium. <i>Journal of the Egyptian Mathematical Society</i> , 2014, 22, 134-142.	0.6	31
69	Heat Transfer Improvement in MHD Natural Convection Flow of Graphite Oxide/Carbon Nanotubes-Methanol Based Casson Nanofluids Past a Horizontal Circular Cylinder. <i>Processes</i> , 2020, 8, 1444.	1.3	31
70	The Magneto-Natural Convection Flow of a Micropolar Hybrid Nanofluid over a Vertical Plate Saturated in a Porous Medium. <i>Fluids</i> , 2021, 6, 202.	0.8	31
71	Heat and mass transfer by natural convection flow about a truncated cone in porous media with Soret and Dufour effects. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2014, 24, 595-612.	1.6	30
72	MHD Free Convection of Localized Heat Source/Sink in Hybrid Nanofluid-Filled Square Cavity. <i>Journal of Nanofluids</i> , 2020, 9, 1-12.	1.4	30

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73	Group method analysis of melting effect on MHD mixed convection flow from radiate vertical plate embedded in a saturated porous media. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2009, 14, 2160-2170.	1.7	29
74	Heat and mass transfer by non-Darcy free convection from a vertical cylinder embedded in porous media with a temperature-dependent viscosity. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2011, 21, 847-863.	1.6	29
75	Melting Effect on Unsteady Hydromagnetic Flow of a Nanofluid Past a Stretching Sheet. <i>International Journal of Chemical Reactor Engineering</i> , 2011, 9, .	0.6	29
76	Conjugate natural convection of non-Newtonian hybrid nanofluid in wavy-shaped enclosure. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2022, 43, 447-466.	1.9	29
77	Homogeneous-Heterogeneous Chemical Reactions of Radiation Hybrid Nanofluid Flow on a Cylinder with Joule Heating: Nanoparticles Shape Impact. <i>Coatings</i> , 2021, 11, 1490.	1.2	29
78	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
79	Effect of suction/injection on free convection along a vertical plate in a nanofluid saturated non-Darcy porous medium with internal heat generation. <i>Indian Journal of Pure and Applied Mathematics</i> , 2014, 45, 321-342.	0.3	27
80	Influence of Bioconvection and Chemical Reaction on Magneto-Carreau Nanofluid Flow through an Inclined Cylinder. <i>Mathematics</i> , 2022, 10, 504.	1.1	27
81	Group method analysis of combined heat and mass transfer by MHD non-Darcy non-Newtonian natural convection adjacent to horizontal cylinder in a saturated porous medium. <i>Applied Mathematical Modelling</i> , 2008, 32, 2378-2395.	2.2	26
82	Group method analysis of mixed convection stagnation-point flow of non-Newtonian nanofluid over a vertical stretching surface. <i>Indian Journal of Physics</i> , 2017, 91, 731-742.	0.9	26
83	On stretched magnetic flow of Carreau nanofluid with slip effects and nonlinear thermal radiation. <i>Nonlinear Engineering</i> , 2019, 8, 340-349.	1.4	26
84	Impacts of Viscous Dissipation and Brownian motion on Jeffrey Nanofluid Flow over an Unsteady Stretching Surface with Thermophoresis. <i>Symmetry</i> , 2020, 12, 1450.	1.1	26
85	MHD FORCED CONVECTION FLOW OF A NANOFUID ADJACENT TO A NON-ISOTHERMAL WEDGE. <i>Computational Thermal Sciences</i> , 2014, 6, 27-39.	0.5	26
86	Heat and mass transfer from truncated cones with variable wall temperature and concentration in the presence of chemical reaction effects. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2012, 22, 357-376.	1.6	25
87	Thermophoresis effect on heat and mass transfer from a rotating cone in a porous medium with thermal radiation. <i>Afrika Matematika</i> , 2016, 27, 1409-1424.	0.4	25
88	Mixed convection flow along a curved surface in the presence of exothermic catalytic chemical reaction. <i>Scientific Reports</i> , 2021, 11, 12907.	1.6	25
89	Effects of chemical reaction and thermal radiation on unsteady double diffusive convection. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2014, 24, 1124-1140.	1.6	24
90	Gyrotactic microorganisms mixed convection flow of nanofluid over a vertically surfaced saturated porous media. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 1804-1822.	3.4	24

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91	Unsteady MHD slip flow of a ferrofluid over an impulsively stretched vertical surface. AIP Advances, 2019, 9, 045112.	0.6	22
92	Natural Convection in Triangular Enclosures Filled with Nanofluid Saturated Porous Media. Journal of Thermophysics and Heat Transfer, 2013, 27, 700-706.	0.9	21
93	The Impact of Sinusoidal Surface Temperature on the Natural Convective Flow of a Ferrofluid along a Vertical Plate. Mathematics, 2019, 7, 1014.	1.1	20
94	Analytical and Numerical Investigation of Fe ₃ O ₄ –Water Nanofluid Flow over a Moveable Plane in a Parallel Stream with High Suction. Energies, 2019, 12, 198.	1.6	20
95	Perturbation analysis of radiative effect on free convection flows in porous medium in the presence of pressure work and viscous dissipation. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 140-153.	1.7	19
96	Heat and Mass Transfer by MHD Stagnation-Point Flow of a Power-Law Fluid towards a Stretching Surface with Radiation, Chemical Reaction and Soret and Dufour Effects. International Journal of Chemical Reactor Engineering, 2010, 8, .	0.6	19
97	NATURAL CONVECTION OF MICROPOLAR NANOFLUIDS IN A RECTANGULAR ENCLOSURE SATURATED WITH ANISOTROPIC POROUS MEDIA. Journal of Porous Media, 2016, 19, 737-750.	1.0	19
98	Impact of anisotropic slip on transient three dimensional MHD flow of ferrofluid over an inclined radiate stretching surface. Journal of the Egyptian Mathematical Society, 2017, 25, 230-237.	0.6	19
99	VISCOUS DISSIPATION AND MAGNETIC FIELD EFFECTS IN A NON-DARCY POROUS MEDIUM SATURATED WITH A NANOFLUID UNDER CONVECTIVE BOUNDARY CONDITION. Special Topics and Reviews in Porous Media, 2014, 5, 27-39.	0.6	19
100	Heat and Mass Transfer by Unsteady Natural Convection over a Moving Vertical Plate Embedded in a Saturated Porous Medium with Chemical Reaction, Soret and Dufour Effects. Journal of Applied Fluid Mechanics, 2015, 8, 453-463.	0.4	19
101	Modeling and investigation of Gulf El-Zayt wind farm for stability studying during extreme gust wind occurrence. Ain Shams Engineering Journal, 2014, 5, 137-148.	3.5	18
102	Natural convection flow of Sodium Alginate based Casson nanofluid about a solid sphere in the presence of a magnetic field with constant surface heat flux. Journal of Physics: Conference Series, 2019, 1366, 012005.	0.3	18
103	MIXED BIOCONVECTION FLOW OF A NANOFLUID CONTAINING GYROTACTIC MICROORGANISMS PAST A VERTICAL SLENDER CYLINDER. Frontiers in Heat and Mass Transfer, 0, 10, .	0.1	18
104	Studying Massive Suction Impact on Magneto-Flow of a Hybridized Casson Nanofluid on a Porous Continuous Moving or Fixed Surface. Symmetry, 2022, 14, 627.	1.1	18
105	Unsteady coupled heat and mass transfer by mixed convection flow of a micropolar fluid near the stagnation point on a vertical surface in the presence of radiation and chemical reaction. Progress in Computational Fluid Dynamics, 2015, 15, 186.	0.1	17
106	Magneto-Free Convective of Hybrid Nanofluid inside Non-Darcy Porous Enclosure Containing an Adiabatic Rotating Cylinder. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-16.	1.2	17
107	Framing the MHD Micropolar-Nanofluid Flow in Natural Convection Heat Transfer over a Radiative Truncated Cone. Processes, 2020, 8, 379.	1.3	17
108	Lie Group Analysis of Effects of Radiation and Chemical Reaction on Heat and Mass Transfer by Unsteady Slip Flow from a Non-Isothermal Stretching Sheet Immersed in a Porous Medium. Journal of Computational and Theoretical Nanoscience, 2015, 12, 4056-4062.	0.4	17

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109	Entropy generation due to magneto-natural convection in a square enclosure with heated corners saturated porous medium using Cu/water nanofluid. Chinese Journal of Physics, 2022, 77, 1863-1884.	2.0	17
110	Sinusoidal Natural Convective Flow of Non-Newtonian Nanoliquid Over a Radiative Vertical Plate in a Saturated Porous Medium. IEEE Access, 2020, 8, 136131-136140.	2.6	16
111	Effectiveness of binary chemical reaction on magneto-fluid flow with Cattaneo-Christov heat flux model. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2021, 235, 2192-2200.	1.1	16
112	Effect of Chemical Reaction on Heat and Mass Transfer by Mixed Convection Flow of Casson Fluid About a Sphere with Partial Slip. Journal of Computational and Theoretical Nanoscience, 2016, 13, 5218-5226.	0.4	16
113	MHD Effects on Non-Darcy Forced Convection Boundary Layer Flow past a Permeable Wedge in a Porous Medium with Uniform Heat Flux. Nonlinear Analysis: Modelling and Control, 2009, 14, 249-261.	1.1	15
114	EFFECT OF THERMAL RADIATION ON MIXED CONVECTION FLOW OF A NANOFUID ABOUT A SOLID SPHERE IN A SATURATED POROUS MEDIUM UNDER CONVECTIVE BOUNDARY CONDITION. Journal of Porous Media, 2015, 18, 569-584.	1.0	15
115	Numerical study of thermally stratified nanofluid flow in a saturated non-Darcy porous medium. European Physical Journal Plus, 2014, 129, 1.	1.2	14
116	Boundary layer flow of a nanofluid past a horizontal flat plate in a Darcy porous medium: A Lie group approach. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2020, 234, 1545-1553.	1.1	14
117	Novel Microstructural Features on Heat and Mass Transfer in Peristaltic Flow Through a Curved Channel. Frontiers in Physics, 2020, 8, .	1.0	14
118	Impact of Soret and Dufour on bioconvective flow of nanofluid in porous square cavity. Heat Transfer, 2021, 50, 5123-5147.	1.7	14
119	Unsteady MHD natural convection flow of a nanofluid inside an inclined square cavity containing a heated circular obstacle. International Journal of Nonlinear Sciences and Numerical Simulation, 2023, 24, 37-55.	0.4	14
120	Inclined MHD Mixed Convection and Partial Slip of Nanofluid in a Porous Lid-Driven Cavity with Heat Source-Sink: Effect of Uniform and Non-Uniform Bottom Heating. Journal of Nanofluids, 2017, 6, 368-378.	1.4	14
121	Influence of Viscous Dissipation on Free Convection in a Non-Darcy Porous Medium Saturated with Nanofluid in the Presence of Magnetic Field. Open Transport Phenomena Journal, 2013, 5, 20-29.	0.5	14
122	Lie Group Analysis of Unsteady Flow of Kerosene/Cobalt Ferrofluid Past A Radiated Stretching Surface with Navier Slip and Convective Heating. Mathematics, 2020, 8, 826.	1.1	13
123	Mixed Bioconvective Flow Over a Wedge in Porous Media Drenched with a Nanofluid. Journal of Nanofluids, 2019, 8, 1692-1703.	1.4	13
124	Effectiveness of magnetize flow on nanofluid via unsteady natural convection inside an inclined U-shaped cavity with discrete heating. AEJ - Alexandria Engineering Journal, 2022, 61, 8653-8666.	3.4	13
125	Magneto-thermo analysis of oscillatory flow around a non-conducting horizontal circular cylinder. Journal of Thermal Analysis and Calorimetry, 2020, 142, 1567-1578.	2.0	12
126	Impact of undulation on magneto-free convective heat transport in an enclosure having vertical wavy sides. International Communications in Heat and Mass Transfer, 2021, 127, 105579.	2.9	12

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127	Inclined Magneto-Hydrodynamic Mixed Convection in Lid-Driven Cavity Filled Within Nanofluids with Partial Slip and Internal Heat Generation. <i>Journal of Nanofluids</i> , 2016, 5, 634-651.	1.4	12
128	EFFECTS OF RADIATION AND CHEMICAL REACTION ON HEAT AND MASS TRANSFER BY NATURAL CONVECTION IN A MICROPOLAR FLUID-SATURATED POROUS MEDIUM WITH STREAMWISE TEMPERATURE AND SPECIES CONCENTRATION VARIATIONS. <i>Heat Transfer Research</i> , 2014, 45, 795-815.	0.9	11
129	Significance of Viscous Dissipation and Chemical Reaction on Convective Transport in a Boundary Layer Stagnation Point Flow Past a Stretching/Shrinking Sheet in a Nanofluid. <i>Journal of Nanofluids</i> , 2015, 4, 214-222.	1.4	11
130	Mixed Bioconvective Flow Over a Wedge in Porous Media Drenched with a Nanofluid. <i>Journal of Nanofluids</i> , 2020, 9, 24-35.	1.4	11
131	Coupled heat and mass transfer by MHD free convection flow along a vertical plate with streamwise temperature and species concentration variations. <i>Heat Transfer - Asian Research</i> , 2013, 42, 100-110.	2.8	10
132	Micropolar ferrofluid flow via natural convective about a radiative isoflux sphere. <i>Advances in Mechanical Engineering</i> , 2021, 13, 168781402199439.	0.8	10
133	IMPACT OF HEAT CORNERS ON MAGNETO-NANOFUIDS NATURAL CONVECTION FLOW IN A SQUARE POROUS CAVITY WITH ELLIPTICAL BLOCKS. <i>Journal of Porous Media</i> , 2020, 23, 805-820.	1.0	10
134	Radiative Effects on Boundary-Layer Flow of a Nanofluid on a Continuously Moving or Fixed Permeable Surface. <i>Recent Patents on Mechanical Engineering</i> , 2012, 5, 176-183.	0.2	10
135	NATURAL CONVECTION BOUNDARY LAYER FLOW ALONG A SPHERE EMBEDDED IN A POROUS MEDIUM FILLED WITH A NANOFUID. <i>Latin American Applied Research</i> , 2014, 44, 149-157.	0.2	10
136	Viscous Dissipation and Joule Heating Effects on MHD Bioconvection Flow of a Nanofluid Containing Gyrotactic Microorganisms Over a Vertical Isothermal Cone. <i>Journal of Nanofluids</i> , 2020, 9, 242-255.	1.4	10
137	Heat transfer in a micropolar fluid flow past a permeable continuous moving surface. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2011, 91, 360-370.	0.9	9
138	Impact of Heat Generation on Magneto-Nanofluid Free Convection Flow about Sphere in the Plume Region. <i>Mathematics</i> , 2020, 8, 2010.	1.1	9
139	Periodical Analysis of Convective Heat Transfer Along Electrical Conducting Cone Embedded in Porous Medium. <i>Arabian Journal for Science and Engineering</i> , 0, , 1.	1.7	9
140	Effect of Viscous Dissipation on Mixed Convection in a Nanofluid Saturated Non-Darcy Porous Medium Under Convective Boundary Condition. <i>Journal of Nanofluids</i> , 2015, 4, 548-559.	1.4	9
141	MHD Effects on Entropy Generation and Heat Transfer of Nanofluid Flows in Enclosures. <i>Journal of Nanofluids</i> , 2016, 5, 595-605.	1.4	9
142	MHD FREE CONVECTION AND SINUSOIDAL HEATING IN A WAVY CAVITY FILLED WITH A HEAT-GENERATING POROUS MEDIUM USING CU-WATER NANOFUIDS. <i>Computational Thermal Sciences</i> , 2020, 12, 217-232.	0.5	9
143	VISCOUS DISSIPATION AND OHMIC HEATING EFFECTS ON MAGNETOHYDRODYNAMIC MIXED CONVECTION ALONG A VERTICAL MOVING SURFACE EMBEDDED IN A FLUID-SATURATED POROUS MEDIUM. <i>Journal of Porous Media</i> , 2010, 13, 159-170.	1.0	9
144	MHD Free Convective Heat and Mass Transfer of a Chemically-Reacting Fluid from Radiate Stretching Surface Embedded in a Saturated Porous Medium. <i>International Journal of Chemical Reactor Engineering</i> , 2011, 9, .	0.6	8

#	ARTICLE	IF	CITATIONS
145	Influence of Viscous Dissipation on Mixed Convection in a Non-Darcy Porous Medium Saturated with a Nanofluid. Heat Transfer - Asian Research, 2014, 43, 397-411.	2.8	8
146	Unsteady Slip Flow of a Nanofluid Due to a Contracting Cylinder with Newtonian Heating. Journal of Nanofluids, 2015, 4, 394-401.	1.4	8
147	Natural Convection Flow of a Nanofluid along a Vertical Plate with Streamwise Temperature Variations. Heat Transfer - Asian Research, 2016, 45, 499-514.	2.8	7
148	Coupled heat and mass transfer by MHD natural convection of micropolar fluid about a truncated cone in the presence of radiation and chemical reaction. Journal of Naval Architecture and Marine Engineering, 2013, 10, 157-168.	0.9	6
149	Magnetohydrodynamic Nanofluid Flow and Heat Transfer in a Porous Cavity Containing Heated Surface. Journal of Nanofluids, 2019, 8, 577-588.	1.4	6
150	Mhd Mixed Convection in Copper-Water Nanofluid Filled Lid-Driven Square Cavity Containing Multiple Adiabatic Obstacles with Discrete Heating. International Journal of Applied Mechanics and Engineering, 2020, 25, 57-74.	0.3	6
151	Convective flow of a Williamson hybrid nanofluid in a porous medium through a cone and wedge with the effect of the shape of nanoparticles. Heat Transfer, 2022, 51, 7009-7029.	1.7	6
152	Mixed convective boundary layer flow over a vertical wedge embedded in a porous medium saturated with a nanofluid. , 2010, , .		5
153	Effectiveness of Magnetized Flow on Nanofluid Containing Gyrotactic Micro-Organisms over an Inclined Stretching Sheet with Viscous Dissipation and Constant Heat Flux. Fluids, 2021, 6, 253.	0.8	5
154	Slip Microrotation Flow of Silver-Sodium Alginate Nanofluid via Mixed Convection in a Porous Medium. Mathematics, 2021, 9, 3232.	1.1	5
155	Mixed convection from a discrete heater in lid-driven enclosures filled with non-Newtonian nanofluids. Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanomaterials, Nanoengineering and Nanosystems, 2017, 231, 3-16.	0.5	4
156	Free convection flow of a magneto-micropolar nanofluid over an orthogonal plate in a saturated porous medium. Heat Transfer, 2021, 50, 3265-3281.	1.7	4
157	Studying High Suction Effect on Boundary-Layer Flow of a Nanofluid on Permeable Surface via Singular Perturbation Technique. Journal of Computational and Theoretical Nanoscience, 2015, 12, 4828-4836.	0.4	4
158	Natural Convection from a Permeable Sphere Embedded in a Variable Porosity Porous Medium Due to Thermal Dispersion. Nonlinear Analysis: Modelling and Control, 2007, 12, 345-357.	1.1	4
159	SORET EFFECT ON STAGNATION-POINT FLOW PAST A STRETCHING/SHRINKING SHEET IN A NANOFLUID-SATURATED NON-DARCY POROUS MEDIUM. Special Topics and Reviews in Porous Media, 2016, 7, 229-243.	0.6	4
160	Natural Convection on a Porous Vertical Plate in a Doubly Stratified Non-Darcy Porous Medium. Frontiers in Heat and Mass Transfer, 0, 6, .	0.1	4
161	Double-diffusive convection flow of Casson fluid with nonlinear thermal radiation and convective condition. Communications in Numerical Analysis, 2018, 2018, 81-99.	0.1	4
162	Effect of inclination angle on bioconvection in porous square cavity containing gyrotactic microorganisms and nanofluid. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2022, 236, 4731-4747.	1.1	4

#	ARTICLE	IF	CITATIONS
163	Response to the comments of Asterios Pantokratoras on "Perturbation analysis of radiative effect on free convection flows in porous medium in the presence of pressure work and viscous dissipation"; Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 347-349.	1.7	3
164	Heat and Mass Transfer Flow of a Micropolar Fluid Under Convective Boundary Condition from a Horizontal Cylinder with Temperature Dependent Viscosity and Chemical Reaction. Journal of Computational and Theoretical Nanoscience, 2015, 12, 4506-4514.	0.4	3
165	Unsteady Mixed Convection Flow of a Nanofluid Over an Impulsively Stretched Vertical Surface Under Convective Boundary Condition. Journal of Computational and Theoretical Nanoscience, 2015, 12, 4531-4538.	0.4	3
166	Thermal Conductivity and Thermophoretic Impacts of Micropolar Fluid Flow by a Horizontal Absorbent Isothermal Porous Wall with Heat Source/Sink. Mathematics, 2022, 10, 1514.	1.1	3
167	Magneto-Nanofluid Flow via Mixed Convection Inside E-Shaped Square Chamber. Symmetry, 2022, 14, 1159.	1.1	3
168	Unsteady Mixed Convection Flow of a Nanofluid Near the Stagnation Point on a Vertical Surface. International Journal of Applied and Computational Mathematics, 2017, 3, 2055-2069.	0.9	2
169	Effectiveness of Newtonian Heating on Magneto-Free Convective Flow of Polar Nanofluid across a Solid Sphere. Fractal and Fractional, 2022, 6, 57.	1.6	2
170	Micropolar nanoliquid flow via mixed convective over an orthogonal cylinder. Heat Transfer, 2021, 50, 6425.	1.7	1
171	Impact of Partial Slip and Heat Source on MHD Mixed Convection Flow of Nanofluid in a Double Lid-Driven Cavity Containing Insulated Obstacle. Journal of Nanofluids, 2020, 9, 230-241.	1.4	1
172	Exploration of physical features of homogeneous-heterogeneous chemical action in a nanofluid film dispensed with MOS_2 in diathermic oils. Journal of Taibah University for Science, 2021, 15, 826-839.	1.1	1
173	Double-Diffusive Forced Convective Boundary Layer Flow in Porous Medium Saturated with Nanofluids Along Horizontal Surface. Journal of Nanofluids, 2016, 5, 264-272.	1.4	0
174	Heat Transfer Enhancement of Magneto-Micropolar Nanofluid Over a Wedge. Journal of Nanofluids, 2020, 9, 168-176.	1.4	0
175	Natural Bioconvective Flow Through a Vertical Cylinder in Porous Media Drenched with a Nanofluid. Journal of Nanofluids, 2022, 11, 340-349.	1.4	0