Ali Chamkha

List of Publications by Year
in descending order

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924 papers	41,683 citations	1536 106 h-index	10734 138 g-index
934 all docs	934 docs citations	934 times ranked	5773 citing authors

#	Article	IF	Citations
1	Nanofluid flow and heat transfer in porous media: A review of the latest developments. International Journal of Heat and Mass Transfer, 2017, 107, 778-791.	4.8	377
2	Hall and ion slip effects on MHD rotating flow of elastico-viscous fluid through porous medium. International Communications in Heat and Mass Transfer, 2020, 113, 104494.	5.6	331
3	Hall and ion slip effects on MHD rotating boundary layer flow of nanofluid past an infinite vertical plate embedded in a porous medium. Results in Physics, 2019, 15, 102652.	4.1	322
4	Natural convective flow and heat transfer of Nano-Encapsulated Phase Change Materials (NEPCMs) in a cavity. International Journal of Heat and Mass Transfer, 2019, 138, 738-749.	4.8	270
5	Mixed convection flow in a lid-driven inclined square enclosure filled with a nanofluid. European Journal of Mechanics, B/Fluids, 2010, 29, 472-482.	2.5	264
6	Hall and ion slip effects on unsteady MHD free convective rotating flow through a saturated porous medium over an exponential accelerated plate. AEJ - Alexandria Engineering Journal, 2020, 59, 565-577.	6.4	260
7	Mixed convection flow in a lid-driven enclosure filled with a fluid-saturated porous medium. International Journal of Heat and Mass Transfer, 1999, 42, 2465-2481.	4.8	253
8	Conjugate natural convection flow of Agâ€“MgO/water hybrid nanofluid in a square cavity. Journal of Thermal Analysis and Calorimetry, 2020, 139, 2321-2336.	3.6	252
9	Flow and convective heat transfer of a ferro-nanofluid in a double-sided lid-driven cavity with a wavy wall in the presence of a variable magnetic field. Numerical Heat Transfer; Part A: Applications, 2016, 69, 1186-1200.	2.1	223
10	Thermal radiation and surface roughness effects on the thermo-magneto-hydrodynamic stability of aluminaâ€“copper oxide hybrid nanofluids utilizing the generalized Buongiornoâ€™s nanofluid model. Journal of Thermal Analysis and Calorimetry, 2021, 143, 1201-1220.	3.6	210
11	Influence of Lorentz forces on nanofluid forced convection considering Marangoni convection. Journal of Molecular Liquids, 2017, 225, 750-757.	4.9	209
12	Effect of magnetic field on natural convection flow in a liquid gallium filled square cavity for linearly heated side wall(s). International Journal of Thermal Sciences, 2010, 49, 1856-1865.	4.9	204
13	Soret and Dufour effects on MHD convective flow of Al2O3â€“water and TiO2â€“water nanofluids past a stretching sheet in porous media with heat generation/absorption. Advanced Powder Technology, 2016, 27, 1207-1218.	4.1	204
14	Magneto-hydrodynamic flow and heat transfer of a hybrid nanofluid in a rotating system among two surfaces in the presence of thermal radiation and Joule heating. AIP Advances, 2019, 9, .	1.3	204
15	On the nanofluids applications in microchannels: A comprehensive review. Powder Technology, 2018, 332, 287-322.	4.2	202
16	HYDROMAGNETIC COMBINED CONVECTION FLOW IN A VERTICAL LID-DRIVEN CAVITY WITH INTERNAL HEAT GENERATION OR ABSORPTION. Numerical Heat Transfer; Part A: Applications, 2002, 41, 529-546.	2.1	201
17	Hall effects on unsteady MHD oscillatory free convective flow of second grade fluid through porous medium between two vertical plates. Physics of Fluids, 2018, 30, .	4.0	190
18	Radiative MHD flow of Casson hybrid nanofluid over an infinite exponentially accelerated vertical porous surface. Case Studies in Thermal Engineering, 2021, 27, 101229.	5.7	190

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19	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.	3.9	188
20	Mixed convection flow caused by an oscillating cylinder in a square cavity filled with Cuâ€“Al2O3/water hybrid nanofluid. Journal of Thermal Analysis and Calorimetry, 2019, 137, 965-982.	3.6	188
21	Effect of nanofluid variable properties on natural convection in enclosures filled with a CuOâ€“EGâ€“Water nanofluid. International Journal of Thermal Sciences, 2010, 49, 2339-2352.	4.9	184
22	Free convection of hybrid Al2O3-Cu water nanofluid in a differentially heated porous cavity. Advanced Powder Technology, 2017, 28, 2295-2305.	4.1	183
23	Electrohydrodynamic free convection heat transfer of a nanofluid in a semi-annulus enclosure with a sinusoidal wall. Numerical Heat Transfer; Part A: Applications, 2016, 69, 781-793.	2.1	182
24	MHD boundary layer flow, heat and mass transfer analysis over a rotating disk through porous medium saturated by Cu-water and Ag-water nanofluid with chemical reaction. Powder Technology, 2017, 307, 46-55.	4.2	180
25	SIMILARITY SOLUTION FOR UNSTEADY HEAT AND MASS TRANSFER FROM A STRETCHING SURFACE EMBEDDED IN A POROUS MEDIUM WITH SUCTION/INJECTION AND CHEMICAL REACTION EFFECTS. Chemical Engineering Communications, 2010, 197, 846-858.	2.6	175
26	Heatline analysis on natural convection for nanofluids confined within square cavities with various thermal boundary conditions. International Journal of Heat and Mass Transfer, 2012, 55, 5526-5543.	4.8	175
27	Investigations of Soret, Joule and Hall effects on MHD rotating mixed convective flow past an infinite vertical porous plate. Journal of Ocean Engineering and Science, 2019, 4, 263-275.	4.3	173
28	Entropy Generation and Consequences of Binary Chemical Reaction on MHD Darcyâ€“Forchheimer Williamson Nanofluid Flow Over Non-Linearly Stretching Surface. Entropy, 2020, 22, 18.	2.2	173
29	Hall and ion slip impacts on unsteady MHD convective rotating flow of heat generating/absorbing second grade fluid. AEJ - Alexandria Engineering Journal, 2021, 60, 845-858.	6.4	173
30	MHD FLOW OF A UNIFORMLY STRETCHED VERTICAL PERMEABLE SURFACE IN THE PRESENCE OF HEAT GENERATION/ABSORPTION AND A CHEMICAL REACTION. International Communications in Heat and Mass Transfer, 2003, 30, 413-422.	5.6	170
31	MHD FREE CONVECTION FLOW OF A NANOFLUID PAST A VERTICAL PLATE IN THE PRESENCE OF HEAT GENERATION OR ABSORPTION EFFECTS. Chemical Engineering Communications, 2010, 198, 425-441.	2.6	170
32	An analysis on free convection flow, heat transfer and entropy generation in an odd-shaped cavity filled with nanofluid. International Communications in Heat and Mass Transfer, 2014, 54, 8-17.	5.6	170
33	Conjugate heat transfer and entropy generation in a cavity filled with a nanofluid-saturated porous media and heated by a triangular solid. Journal of the Taiwan Institute of Chemical Engineers, 2016, 59, 138-151.	5.3	168
34	HEAT AND MASS TRANSFER ON MHD FLOW OF SECOND-GRADE FLUID THROUGH POROUS MEDIUM OVER A SEMI-INFINITE VERTICAL STRETCHING SHEET. Journal of Porous Media, 2020, 23, 751-765.	1.9	168
35	HALL EFFECTS ON MHD SQUEEZING FLOW OF A WATER-BASED NANOFLUID BETWEEN TWO PARALLEL DISKS. Journal of Porous Media, 2019, 22, 209-223.	1.9	166
36	Mixed convection flow in single- and double-lid driven square cavities filled with waterâ€“Al2O3 nanofluid: Effect of viscosity models. European Journal of Mechanics, B/Fluids, 2012, 36, 82-96.	2.5	164

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37	Numerical study on natural convection of Agâ€“MgO hybrid/water nanofluid inside a porous enclosure: A local thermal non-equilibrium model. Powder Technology, 2020, 367, 443-455.	4.2	163
38	Unsteady MHD convective heat and mass transfer past a semi-infinite vertical permeable moving plate with heat absorption. International Journal of Engineering Science, 2004, 42, 217-230.	5.0	161
39	Phase-change heat transfer of single/hybrid nanoparticles-enhanced phase-change materials over a heated horizontal cylinder confined in a square cavity. Advanced Powder Technology, 2017, 28, 385-397.	4.1	161
40	Conjugate heat transfer in a porous cavity filled with nanofluids and heated by a triangular thick wall. International Journal of Thermal Sciences, 2013, 67, 135-151.	4.9	160
41	MHD mixed convection and entropy generation of nanofluid filled lid driven cavity under the influence of inclined magnetic fields imposed to its upper and lower diagonal triangular domains. Journal of Magnetism and Magnetic Materials, 2016, 406, 266-281.	2.3	160
42	Free convection heat transfer analysis of a suspension of nanoâ€“encapsulated phase change materials (NEPCMs) in an inclined porous cavity. International Journal of Thermal Sciences, 2020, 157, 106503.	4.9	157
43	Soret effect on mixed convection flow in a nanofluid under convective boundary condition. International Journal of Heat and Mass Transfer, 2013, 64, 384-392.	4.8	156
44	Fully-developed free-convective flow of micropolar and viscous fluids in a vertical channel. Applied Mathematical Modelling, 2010, 34, 1175-1186.	4.2	155
45	Hall effects on unsteady MHD flow of second grade fluid through porous medium with ramped wall temperature and ramped surface concentration. Physics of Fluids, 2018, 30, .	4.0	154
46	MHD-free convection from a vertical plate embedded in a thermally stratified porous medium with Hall effects. Applied Mathematical Modelling, 1997, 21, 603-609.	4.2	153
47	Flow and mass transfer on a stretching sheet with a magnetic field and chemically reactive species. International Journal of Engineering Science, 2000, 38, 1303-1314.	5.0	153
48	MHD flow over a moving plate in a rotating fluid with magnetic field, Hall currents and free stream velocity. International Journal of Engineering Science, 2002, 40, 1511-1527.	5.0	153
49	Magnetohydrodynamic Nanofluid Natural Convection in a Cavity under Thermal Radiation and Shape Factor of Nanoparticles Impacts: A Numerical Study Using CVFEM. Applied Sciences (Switzerland), 2018, 8, 2396.	2.5	150
50	Natural convection analysis in a square enclosure with a wavy circular heater under magnetic field and nanoparticles. Journal of Thermal Analysis and Calorimetry, 2020, 139, 661-671.	3.6	149
51	Entropy generation analysis during MHD natural convection flow of hybrid nanofluid in a square cavity containing a corrugated conducting block. International Journal of Numerical Methods for Heat and Fluid Flow, 2020, 30, 1115-1136.	2.8	148
52	Phase-change heat transfer in a cavity heated from below: The effect of utilizing single or hybrid nanoparticles as additives. Journal of the Taiwan Institute of Chemical Engineers, 2017, 72, 104-115.	5.3	146
53	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, .	4.0	146
54	Entropy generation analysis due to MHD natural convection flow in a cavity occupied with hybrid nanofluid and equipped with a conducting hollow cylinder. Journal of Thermal Analysis and Calorimetry, 2020, 139, 2165-2179.	3.6	146

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55	Numerical Analysis of Unsteady Conjugate Natural Convection of Hybrid Water-Based Nanofluid in a Semicircular Cavity. Journal of Thermal Science and Engineering Applications, 2017, 9, .	1.5	145
56	Outlining the impact of induced magnetic field and thermal radiation on magneto-convection flow of dissipative fluid. International Journal of Thermal Sciences, 2019, 146, 106101.	4.9	145
57	Natural Convection Analysis in a Cavity with an Inclined Elliptical Heater Subject to Shape Factor of Nanoparticles and Magnetic Field. Arabian Journal for Science and Engineering, 2019, 44, 7919-7931.	3.0	145
58	Hall and ion slip effects on Unsteady MHD Convective Rotating flow of Nanofluidsâ€"Application in Biomedical Engineering. Journal of the Egyptian Mathematical Society, 2020, 28, .	1.2	145
59	Magnetohydrodynamics Natural Convection in a Triangular Cavity Filled With a Cu-Al2O3/Water Hybrid Nanofluid With Localized Heating From Below and Internal Heat Generation. Journal of Heat Transfer, 2018, 140, .	2.1	144
60	Novel Physical Insights into the Thermodynamic Irreversibilities Within Dissipative EMHD Fluid Flows Past over a Moving Horizontal Riga Plate in the Coexistence of Wall Suction and Joule Heating Effects: A Comprehensive Numerical Investigation. Arabian Journal for Science and Engineering, 2020, 45, 9423-9438.	3.0	144
61	Mixed convection flow of a nanofluid in a lid-driven cavity with a wavy wall. International Communications in Heat and Mass Transfer, 2014, 57, 36-47.	5.6	143
62	Theoretical analysis of natural convection boundary layer heat and mass transfer of nanofluids: Effects of size, shape and type of nanoparticles, type of base fluid and working temperature. Advanced Powder Technology, 2015, 26, 935-946.	4.1	142
63	Natural convection and entropy generation of a ferrofluid in a square enclosure under the effect of a horizontal periodic magnetic field. Journal of Molecular Liquids, 2018, 263, 510-525.	4.9	140
64	Factorial experimental design for the thermal performance of a double pipe heat exchanger using Al2O3-TiO2 hybrid nanofluid. International Communications in Heat and Mass Transfer, 2018, 97, 92-102.	5.6	140
65	Magnetohydrodynamic flow of molybdenum disulfide nanofluid in a channel with shape effects. Multidiscipline Modeling in Materials and Structures, 2019, 15, 737-757.	1.3	140
66	Thermal radiation effects on MHD forced convection flow adjacent to a non-isothermal wedge in the presence of a heat source or sink. Heat and Mass Transfer, 2003, 39, 305-312.	2.1	139
67	Natural Convection in Differentially Heated Partially Porous Layered Cavities Filled with a Nanofluid. Numerical Heat Transfer; Part A: Applications, 2014, 65, 1089-1113.	2.1	139
68	Unsteady mixed convection flow from a rotating vertical cone with a magnetic field. Heat and Mass Transfer, 2003, 39, 297-304.	2.1	135
69	Effects of nanoparticles diameter and concentration on natural convection of the Al2O3â€“water nanofluids considering variable thermal conductivity around a vertical cone in porous media. Advanced Powder Technology, 2015, 26, 224-235.	4.1	135
70	Melting of nanoparticles-enhanced phase-change materials in an enclosure: Effect of hybrid nanoparticles. International Journal of Mechanical Sciences, 2017, 134, 85-97.	6.7	135
71	HEAT AND MASS TRANSFER ON FREE CONVECTIVE FLOW OF AMICROPOLAR FLUID THROUGH A POROUS SURFACE WITH INCLINED MAGNETIC FIELD AND HALL EFFECTS. Special Topics and Reviews in Porous Media, 2019, 10, 203-223.	1.1	135
72	Similarity solutions for hydromagnetic mixed convection heat and mass transfer for Hiemenz flow through porous media. International Journal of Numerical Methods for Heat and Fluid Flow, 2000, 10, 94-115.	2.8	133

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73	Unsteady MHD natural convection from a heated vertical porous plate in a micropolar fluid with Joule heating, chemical reaction and radiation effects. Meccanica, 2011, 46, 399-411.	2.0	132
74	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.	2.8	132
75	Flow of Two-Immiscible Fluids in Porous and Nonporous Channels. Journal of Fluids Engineering, Transactions of the ASME, 2000, 122, 117-124.	1.5	131
76	Radiation effects on mixed convection about a cone embedded in a porous medium filled with a nanofluid. Meccanica, 2013, 48, 275-285.	2.0	131
77	Heat and mass transfer analysis of unsteady hybrid nanofluid flow over a stretching sheet with thermal radiation. SN Applied Sciences, 2020, 2, 1.	2.9	131
78	Heat source location and natural convection in a C-shaped enclosure saturated by a nanofluid. Physics of Fluids, 2017, 29, .	4.0	130
79	Effect of local thermal non-equilibrium model on natural convection in a nanofluid-filled wavy-walled porous cavity containing inner solid cylinder. Chemical Engineering Science, 2019, 201, 247-263.	3.8	130
80	A comprehensive review on mixed convection of nanofluids in various shapes of enclosures. Powder Technology, 2019, 343, 880-907.	4.2	130
81	Entropy Generation and Natural Convection of CuO-Water Nanofluid in C-Shaped Cavity under Magnetic Field. Entropy, 2016, 18, 50.	2.2	129
82	On laminar hydromagnetic mixed convection flow in a vertical channel with symmetric and asymmetric wall heating conditions. International Journal of Heat and Mass Transfer, 2002, 45, 2509-2525.	4.8	128
83	Similarity solutions for MHD thermosolutal Marangoni convection over a flat surface in the presence of heat generation or absorption effects. Heat and Mass Transfer, 2005, 42, 112-121.	2.1	128
84	NON-DARCY FULLY DEVELOPED MIXED CONVECTION IN A POROUS MEDIUM CHANNEL WITH HEAT GENERATION/ABSORPTION AND HYDROMAGNETIC EFFECTS. Numerical Heat Transfer; Part A: Applications, 1997, 32, 653-675.	2.1	127
85	Mixed convection of Al2O3-water nanofluid in a double lid-driven square cavity with a solid inner insert using Buongiornoâ€™s two-phase model. International Journal of Heat and Mass Transfer, 2018, 119, 939-961.	4.8	127
86	Unsteady heat and mass transfer from a rotating vertical cone with a magnetic field and heat generation or absorption effects. International Journal of Thermal Sciences, 2005, 44, 267-276.	4.9	126
87	Free convection enhancement in an annulus between horizontal confocal elliptical cylinders using hybrid nanofluids. Numerical Heat Transfer; Part A: Applications, 2016, 70, 1141-1156.	2.1	125
88	Mixed convection in superposed nanofluid and porous layers in square enclosure with inner rotating cylinder. International Journal of Mechanical Sciences, 2017, 124-125, 95-108.	6.7	125
89	Unsteady two-fluid flow and heat transfer in a horizontal channel. Heat and Mass Transfer, 2005, 42, 81-90.	2.1	124
90	Numerical analysis of natural convection of Cuâ€“water nanofluid filling triangular cavity with semicircular bottom wall. Journal of Thermal Analysis and Calorimetry, 2019, 135, 3485-3497.	3.6	124

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91	MHD natural convection of Cuâ€“Al2O3 water hybrid nanofluids in a cavity equally divided into two parts by a vertical flexible partition membrane. Journal of Thermal Analysis and Calorimetry, 2019, 138, 1723-1743.	3.6	123
92	Unsteady laminar hydromagnetic fluidâ€“particle flow and heat transfer in channels and circular pipes. International Journal of Heat and Fluid Flow, 2000, 21, 740-746.	2.4	122
93	Exact analytical results for the thermosolutal MHD Marangoni boundary layers. International Journal of Thermal Sciences, 2008, 47, 848-857.	4.9	121
94	Combined effect of heat generation or absorption and first-order chemical reaction on micropolar fluid flows over a uniformly stretched permeable surface: The full analytical solution. International Journal of Thermal Sciences, 2010, 49, 1821-1828.	4.9	121
95	Numerical simulation of hydrothermal features of Cuâ€“H2O nanofluid natural convection within a porous annulus considering diverse configurations of heater. Journal of Thermal Analysis and Calorimetry, 2020, 141, 2109-2125.	3.6	121
96	MHD mixed convectionâ€“radiation interaction along a permeable surface immersed in a porous medium in the presence of Soret and Dufourâ€™s Effects. Heat and Mass Transfer, 2008, 44, 845-856.	2.1	120
97	Combined heat and mass transfer along a vertical moving cylinder with a free stream. Heat and Mass Transfer, 2000, 36, 237-246.	2.1	119
98	Unsteady flow and heat transfer on a semi-infinite flat plate with an aligned magnetic field. International Journal of Engineering Science, 1999, 37, 1723-1736.	5.0	118
99	Unsteady three-dimensional MHD-boundary-layer flow due to the impulsive motion of a stretching surface. Acta Mechanica, 2001, 146, 59-71.	2.1	118
100	FULLY DEVELOPED FREE CONVECTION OF A MICROPOLAR FLUID IN A VERTICAL CHANNEL. International Communications in Heat and Mass Transfer, 2002, 29, 1119-1127.	5.6	118
101	Effect of heat generation or absorption on thermophoretic free convection boundary layer from a vertical flat plate embedded in a porous medium. International Communications in Heat and Mass Transfer, 2006, 33, 1096-1102.	5.6	118
102	Natural convection in wavy enclosures with volumetric heat sources. International Journal of Thermal Sciences, 2011, 50, 502-514.	4.9	118
103	Fluid-structure interaction study of natural convection heat transfer over a flexible oscillating fin in a square cavity. International Journal of Thermal Sciences, 2017, 111, 256-273.	4.9	118
104	Thermal conductivity variation on natural convection flow of waterâ€“alumina nanofluid in an annulus. International Journal of Heat and Mass Transfer, 2012, 55, 5268-5274.	4.8	117
105	Non-Darcy hydromagnetic free convection from a cone and a wedge in porous media. International Communications in Heat and Mass Transfer, 1996, 23, 875-887.	5.6	116
106	Conjugate natural convection in a square enclosure with inclined thin fin of arbitrary length. International Journal of Thermal Sciences, 2007, 46, 467-478.	4.9	115
107	MHD Flow of a Micropolar Fluid past a Stretched Permeable Surface with Heat Generation or Absorption. Nonlinear Analysis: Modelling and Control, 2009, 14, 27-40.	1.6	115
108	Natural convection from an inclined plate embedded in a variable porosity porous medium due to solar radiation. International Journal of Thermal Sciences, 2002, 41, 73-81.	4.9	113

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109	Hydromagnetic double-diffusive convection in a rectangular enclosure with opposing temperature and concentration gradients. International Journal of Heat and Mass Transfer, 2002, 45, 2465-2483.	4.8	113
110	Mixed convection in a lid-driven square cavity with partial slip. International Journal of Thermal Sciences, 2014, 82, 47-61.	4.9	113
111	A numerical investigation of magneto-hydrodynamic natural convection of Cuâ€“water nanofluid in a wavy cavity using CVFEM. Journal of Thermal Analysis and Calorimetry, 2019, 135, 2599-2611.	3.6	113
112	Similarity solutions for hydromagnetic simultaneous heat and mass transfer by natural convection from an inclined plate with internal heat generation or absorption. Heat and Mass Transfer, 2001, 37, 117-123.	2.1	112
113	Study of a third grade non-Newtonian fluid flow between two parallel plates using the multi-step differential transform method. Computers and Mathematics With Applications, 2011, 62, 2871-2891.	2.7	112
114	Second law analysis of magneto-natural convection in a nanofluid filled wavy-hexagonal porous enclosure. International Journal of Numerical Methods for Heat and Fluid Flow, 2020, 30, 4811-4836.	2.8	112
115	Thermo-economic and entropy generation analyses of magnetic natural convective flow in a nanofluid-filled annular enclosure fitted with fins. Sustainable Energy Technologies and Assessments, 2021, 46, 101274.	2.7	112
116	Thermal radiation and buoyancy effects on hydromagnetic flow over an accelerating permeable surface with heat source or sink. International Journal of Engineering Science, 2000, 38, 1699-1712.	5.0	111
117	Unsteady flow of a Maxwell nanofluid over a stretching surface in the presence of magnetohydrodynamic and thermal radiation effects. Propulsion and Power Research, 2017, 6, 31-40.	4.3	111
118	Hydromagnetic three-dimensional free convection on a vertical stretching surface with heat generation or absorption. International Journal of Heat and Fluid Flow, 1999, 20, 84-92.	2.4	109
119	DOUBLE-DIFFUSIVE CONVECTION IN A POROUS ENCLOSURE WITH COOPERATING TEMPERATURE AND CONCENTRATION GRADIENTS AND HEAT GENERATION OR ABSORPTION EFFECTS. Numerical Heat Transfer; Part A: Applications, 2002, 41, 65-87.	2.1	108
120	Effects of heat generation/absorption and thermophoresis on hydromagnetic flow with heat and mass transfer over a flat surface. International Journal of Numerical Methods for Heat and Fluid Flow, 2000, 10, 432-449.	2.8	106
121	Effect of thermophoresis particle deposition in free convection boundary layer from a vertical flat plate embedded in a porous medium. International Communications in Heat and Mass Transfer, 2004, 31, 421-430.	5.6	106
122	Combined effect of heat generation or absorption and first-order chemical reaction on micropolar fluid flows over a uniformly stretched permeable surface. International Journal of Thermal Sciences, 2009, 48, 1658-1663.	4.9	106
123	Investigation of using multi-layer PCMs in the tubular heat exchanger with periodic heat transfer boundary condition. International Journal of Heat and Mass Transfer, 2020, 147, 118970.	4.8	106
124	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.	2.6	105
125	HALL EFFECTS ON MHD PERISTALTIC FLOW OF JEFFREY FLUID THROUGH POROUS MEDIUM IN A VERTICAL STRATUM. Interfacial Phenomena and Heat Transfer, 2018, 6, 253-268.	0.8	105
126	Investigation of natural convection of magnetic nanofluid in an enclosure with a porous medium considering Brownian motion. Case Studies in Thermal Engineering, 2019, 14, 100502.	5.7	105

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127	Mixed Convection in a Vertical Porous Channel. Transport in Porous Media, 2005, 61, 315-335.	2.6	104
128	Investigation of magneto-hydrodynamic fluid squeezed between two parallel disks by considering Joule heating, thermal radiation, and adding different nanoparticles. International Journal of Numerical Methods for Heat and Fluid Flow, 2020, 30, 659-680.	2.8	104
129	Double-diffusive convection in an inclined porous enclosure with opposing temperature and concentration gradients. International Journal of Thermal Sciences, 2001, 40, 227-244.	4.9	103
130	Magneto-hydrodynamics heat and mass transfer analysis of single and multi-wall carbon nanotubes over vertical cone with convective boundary condition. International Journal of Mechanical Sciences, 2018, 135, 646-655.	6.7	103
131	Hydromagnetic combined heat and mass transfer by natural convection from a permeable surface embedded in a fluidâ€saturated porous medium. International Journal of Numerical Methods for Heat and Fluid Flow, 2000, 10, 455-477.	2.8	102
132	Natural Convective Boundary Layer Flow Over a Nonisothermal Vertical Plate Embedded in a Porous Medium Saturated With a Nanofluid. Nanoscale and Microscale Thermophysical Engineering, 2011, 15, 81-94.	2.6	102
133	Internal heat generation on bioconvection of an MHD nanofluid flow due to gyrotactic microorganisms. European Physical Journal Plus, 2020, 135, 1.	2.6	102
134	Radiation effects on free convection flow past a semi-infinite vertical plate with mass transfer. Chemical Engineering Journal, 2001, 84, 335-342.	12.7	100
135	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.	2.8	100
136	Natural Convective Boundary Layer Flow over a Horizontal Plate Embedded in a Porous Medium Saturated with a Nanofluid. Journal of Modern Physics, 2011, 02, 62-71.	0.6	100
137	Solar Radiation Assisted Natural Convection in Uniform Porous Medium Supported by a Vertical Flat Plate. Journal of Heat Transfer, 1997, 119, 89-96.	2.1	99
138	HYDROMAGNETIC NATURAL CONVECTION FROM AN INCLINED POROUS SQUARE ENCLOSURE WITH HEAT GENERATION. Numerical Heat Transfer; Part A: Applications, 1998, 33, 891-910.	2.1	99
139	Two-phase investigation of water-Al₂O₃ nanofluid in a micro concentric annulus under non-uniform heat flux boundary conditions. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 30, 1795-1814.	2.8	99
140	Heat transfer enhancement in the boundary layer flow of hybrid nanofluids due to variable viscosity and natural convection. Heliyon, 2019, 5, e01469.	3.2	98
141	Hydromagnetic natural convection from an isothermal inclined surface adjacent to a thermally stratified porous medium. International Journal of Engineering Science, 1997, 35, 975-986.	5.0	97
142	Mixed Convection Heat Transfer of Air inside a Square Vented Cavity with a Heated Horizontal Square Cylinder. Numerical Heat Transfer; Part A: Applications, 2011, 59, 58-79.	2.1	97
143	Thermal and entropy analyses on buoyancy-driven flow of nanofluid inside a porous enclosure with two square cylinders: Finite element method. Case Studies in Thermal Engineering, 2021, 27, 101298.	5.7	97
144	Magnetohydrodynamic Natural Convection Heat Transfer of Hybrid Nanofluid in a Square Enclosure in the Presence of a Wavy Circular Conductive Cylinder. Journal of Thermal Science and Engineering Applications, 2020, 12, .	1.5	96

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145	COUPLED HEAT AND MASS TRANSFER BY NATURAL CONVECTION ABOUT A TRUNCATED CONE IN THE PRESENCE OF MAGNETIC FIELD AND RADIATION EFFECTS. Numerical Heat Transfer; Part A: Applications, 2001, 39, 511-530.	2.1	93
146	EFFECT OF LENGTH AND INCLINATION OF A THIN FIN ON NATURAL CONVECTION IN A SQUARE ENCLOSURE. Numerical Heat Transfer; Part A: Applications, 2006, 50, 381-399.	2.1	93
147	Numerical investigation of natural convection of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si58.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Al</mml:mtext></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> nanofluid in a wavy cavity with conductive inner block using Buongiornoâ€™s two-phase model. Advanced Powder Technology, 2019, 30, 399-414.	4.1	92
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