

# Ali Chamkha

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

884  
papers

27,617  
citations

86  
h-index

113  
g-index

929  
ext. papers

34,258  
ext. citations

3.1  
avg, IF

8.5  
L-index

#	Paper	IF	Citations
884	Nanofluid flow and heat transfer in porous media: A review of the latest developments. <i>International Journal of Heat and Mass Transfer</i> , <b>2017</b> , 107, 778-791	4.9	242
883	Mixed convection flow in a lid-driven inclined square enclosure filled with a nanofluid. <i>European Journal of Mechanics, B/Fluids</i> , <b>2010</b> , 29, 472-482	2.4	210
882	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. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2016</b> , 69, 1186-1200	2.3	200
881	Mixed convection flow in a lid-driven enclosure filled with a fluid-saturated porous medium. <i>International Journal of Heat and Mass Transfer</i> , <b>1999</b> , 42, 2465-2481	4.9	196
880	Influence of Lorentz forces on nanofluid forced convection considering Marangoni convection. <i>Journal of Molecular Liquids</i> , <b>2017</b> , 225, 750-757	6	190
879	Hall and ion slip effects on MHD rotating boundary layer flow of nanofluid past an infinite vertical plate embedded in a porous medium. <i>Results in Physics</i> , <b>2019</b> , 15, 102652	3.7	176
878	Conjugate natural convection flow of Ag/MgO/water hybrid nanofluid in a square cavity. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2020</b> , 139, 2321-2336	4.1	174
877	Soret and Dufour effects on MHD convective flow of Al <sub>2</sub> O <sub>3</sub> /water and TiO <sub>2</sub> /water nanofluids past a stretching sheet in porous media with heat generation/absorption. <i>Advanced Powder Technology</i> , <b>2016</b> , 27, 1207-1218	4.6	165
876	Hall and ion slip effects on MHD rotating flow of elastico-viscous fluid through porous medium. <i>International Communications in Heat and Mass Transfer</i> , <b>2020</b> , 113, 104494	5.8	164
875	Natural convective flow and heat transfer of Nano-Encapsulated Phase Change Materials (NEPCMs) in a cavity. <i>International Journal of Heat and Mass Transfer</i> , <b>2019</b> , 138, 738-749	4.9	163
874	Electrohydrodynamic free convection heat transfer of a nanofluid in a semi-annulus enclosure with a sinusoidal wall. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2016</b> , 69, 781-793	2.3	163
873	Effect of magnetic field on natural convection flow in a liquid gallium filled square cavity for linearly heated side wall(s). <i>International Journal of Thermal Sciences</i> , <b>2010</b> , 49, 1856-1865	4.1	161
872	HYDROMAGNETIC COMBINED CONVECTION FLOW IN A VERTICAL LID-DRIVEN CAVITY WITH INTERNAL HEAT GENERATION OR ABSORPTION. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2002</b> , 41, 529-546	2.3	154
871	Effect of nanofluid variable properties on natural convection in enclosures filled with a CuO/EG/Water nanofluid. <i>International Journal of Thermal Sciences</i> , <b>2010</b> , 49, 2339-2352	4.1	151
870	Conjugate heat transfer and entropy generation in a cavity filled with a nanofluid-saturated porous media and heated by a triangular solid. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2016</b> , 59, 138-151	5.3	142
869	An analysis on free convection flow, heat transfer and entropy generation in an odd-shaped cavity filled with nanofluid. <i>International Communications in Heat and Mass Transfer</i> , <b>2014</b> , 54, 8-17	5.8	142
868	On the nanofluids applications in microchannels: A comprehensive review. <i>Powder Technology</i> , <b>2018</b> , 332, 287-322	5.2	141

867	Free convection of hybrid Al <sub>2</sub> O <sub>3</sub> -Cu water nanofluid in a differentially heated porous cavity. <i>Advanced Powder Technology</i> , <b>2017</b> , 28, 2295-2305	4.6	140
866	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. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2016</b> , 406, 266-281	2.8	140
865	Thermal radiation and surface roughness effects on the thermo-magneto-hydrodynamic stability of alumina-copper oxide hybrid nanofluids utilizing the generalized Buongiorno's nanofluid model. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 143, 1201-1220	4.1	140
864	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. <i>Chinese Journal of Physics</i> , <b>2018</b> , 56, 193-211	3.5	135
863	Heatline analysis on natural convection for nanofluids confined within square cavities with various thermal boundary conditions. <i>International Journal of Heat and Mass Transfer</i> , <b>2012</b> , 55, 5526-5543	4.9	135
862	Conjugate heat transfer in a porous cavity filled with nanofluids and heated by a triangular thick wall. <i>International Journal of Thermal Sciences</i> , <b>2013</b> , 67, 135-151	4.1	134
861	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. <i>Powder Technology</i> , <b>2017</b> , 307, 46-55	5.2	134
860	Mixed convection flow in single- and double-lid driven square cavities filled with water-Al <sub>2</sub> O <sub>3</sub> nanofluid: Effect of viscosity models. <i>European Journal of Mechanics, B/Fluids</i> , <b>2012</b> , 36, 82-96	2.4	134
859	SIMILARITY SOLUTION FOR UNSTEADY HEAT AND MASS TRANSFER FROM A STRETCHING SURFACE EMBEDDED IN A POROUS MEDIUM WITH SUCTION/INJECTION AND CHEMICAL REACTION EFFECTS. <i>Chemical Engineering Communications</i> , <b>2010</b> , 197, 846-858	2.2	132
858	Soret effect on mixed convection flow in a nanofluid under convective boundary condition. <i>International Journal of Heat and Mass Transfer</i> , <b>2013</b> , 64, 384-392	4.9	131
857	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. <i>AIP Advances</i> , <b>2019</b> , 9, 025103	1.5	130
856	MHD FREE CONVECTION FLOW OF A NANOFUID PAST A VERTICAL PLATE IN THE PRESENCE OF HEAT GENERATION OR ABSORPTION EFFECTS. <i>Chemical Engineering Communications</i> , <b>2010</b> , 198, 425-441	2.2	129
855	Hall and ion slip effects on unsteady MHD free convective rotating flow through a saturated porous medium over an exponential accelerated plate. <i>AEJ - Alexandria Engineering Journal</i> , <b>2020</b> , 59, 565-577	6.1	126
854	Effects of nanoparticles diameter and concentration on natural convection of the Al <sub>2</sub> O <sub>3</sub> -water nanofluids considering variable thermal conductivity around a vertical cone in porous media. <i>Advanced Powder Technology</i> , <b>2015</b> , 26, 224-235	4.6	122
853	Mixed convection flow caused by an oscillating cylinder in a square cavity filled with Cu-Al <sub>2</sub> O <sub>3</sub> /water hybrid nanofluid. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2019</b> , 137, 965-982	4.1	121
852	Natural convection analysis in a square enclosure with a wavy circular heater under magnetic field and nanoparticles. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2020</b> , 139, 661-671	4.1	121
851	Non-Darcy natural convection flow for non-Newtonian nanofluid over cone saturated in porous medium with uniform heat and volume fraction fluxes. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2015</b> , 25, 422-437	4.5	119
850	MHD FLOW OF A UNIFORMLY STRETCHED VERTICAL PERMEABLE SURFACE IN THE PRESENCE OF HEAT GENERATION/ABSORPTION AND A CHEMICAL REACTION. <i>International Communications in Heat and Mass Transfer</i> , <b>2003</b> , 30, 413-422	5.8	118

849	Phase-change heat transfer in a cavity heated from below: The effect of utilizing single or hybrid nanoparticles as additives. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2017</b> , 72, 104-115	5.3	117
848	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. <i>Physics of Fluids</i> , <b>2017</b> , 29, 052001	4.4	115
847	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. <i>Advanced Powder Technology</i> , <b>2015</b> , 26, 935-946	4.6	115
846	Unsteady mixed convection flow from a rotating vertical cone with a magnetic field. <i>Heat and Mass Transfer</i> , <b>2003</b> , 39, 297-304	2.2	114
845	Flow and mass transfer on a stretching sheet with a magnetic field and chemically reactive species. <i>International Journal of Engineering Science</i> , <b>2000</b> , 38, 1303-1314	5.7	114
844	Entropy Generation and Consequences of Binary Chemical Reaction on MHD Darcy-Forchheimer Williamson Nanofluid Flow Over Non-Linearly Stretching Surface. <i>Entropy</i> , <b>2019</b> , 22,	2.8	114
843	Natural Convection in Differentially Heated Partially Porous Layered Cavities Filled with a Nanofluid. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2014</b> , 65, 1089-1113	2.3	113
842	Similarity solutions for hydromagnetic mixed convection heat and mass transfer for Hiemenz flow through porous media. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2000</b> , 10, 94-113	4.5	113
841	Radiation effects on mixed convection about a cone embedded in a porous medium filled with a nanofluid. <i>Meccanica</i> , <b>2013</b> , 48, 275-285	2.1	112
840	Mixed convection flow of a nanofluid in a lid-driven cavity with a wavy wall. <i>International Communications in Heat and Mass Transfer</i> , <b>2014</b> , 57, 36-47	5.8	110
839	Phase-change heat transfer of single/hybrid nanoparticles-enhanced phase-change materials over a heated horizontal cylinder confined in a square cavity. <i>Advanced Powder Technology</i> , <b>2017</b> , 28, 385-397	4.6	110
838	Heat source location and natural convection in a C-shaped enclosure saturated by a nanofluid. <i>Physics of Fluids</i> , <b>2017</b> , 29, 122009	4.4	110
837	Numerical Analysis of Unsteady Conjugate Natural Convection of Hybrid Water-Based Nanofluid in a Semicircular Cavity. <i>Journal of Thermal Science and Engineering Applications</i> , <b>2017</b> , 9,	1.9	109
836	Unsteady MHD natural convection from a heated vertical porous plate in a micropolar fluid with Joule heating, chemical reaction and radiation effects. <i>Meccanica</i> , <b>2011</b> , 46, 399-411	2.1	108
835	Natural Convection Analysis in a Cavity with an Inclined Elliptical Heater Subject to Shape Factor of Nanoparticles and Magnetic Field. <i>Arabian Journal for Science and Engineering</i> , <b>2019</b> , 44, 7919-7931	2.5	107
834	Fully-developed free-convective flow of micropolar and viscous fluids in a vertical channel. <i>Applied Mathematical Modelling</i> , <b>2010</b> , 34, 1175-1186	4.5	107
833	Unsteady MHD convective heat and mass transfer past a semi-infinite vertical permeable moving plate with heat absorption. <i>International Journal of Engineering Science</i> , <b>2004</b> , 42, 217-230	5.7	106
832	MHD-free convection from a vertical plate embedded in a thermally stratified porous medium with Hall effects. <i>Applied Mathematical Modelling</i> , <b>1997</b> , 21, 603-609	4.5	102

831	Entropy generation analysis during MHD natural convection flow of hybrid nanofluid in a square cavity containing a corrugated conducting block. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2019</b> , 30, 1115-1136	4.5	102
830	Outlining the impact of induced magnetic field and thermal radiation on magneto-convection flow of dissipative fluid. <i>International Journal of Thermal Sciences</i> , <b>2019</b> , 146, 106101	4.1	101
829	Unsteady heat and mass transfer from a rotating vertical cone with a magnetic field and heat generation or absorption effects. <i>International Journal of Thermal Sciences</i> , <b>2005</b> , 44, 267-276	4.1	100
828	Similarity solutions for MHD thermosolutal Marangoni convection over a flat surface in the presence of heat generation or absorption effects. <i>Heat and Mass Transfer</i> , <b>2005</b> , 42, 112-121	2.2	99
827	Effect of local thermal non-equilibrium model on natural convection in a nanofluid-filled wavy-walled porous cavity containing inner solid cylinder. <i>Chemical Engineering Science</i> , <b>2019</b> , 201, 247-263	4.4	98
826	Hall effects on unsteady MHD oscillatory free convective flow of second grade fluid through porous medium between two vertical plates. <i>Physics of Fluids</i> , <b>2018</b> , 30, 023106	4.4	98
825	Conjugate natural convection in a square enclosure with inclined thin fin of arbitrary length. <i>International Journal of Thermal Sciences</i> , <b>2007</b> , 46, 467-478	4.1	98
824	MHD Flow of a Micropolar Fluid past a Stretched Permeable Surface with Heat Generation or Absorption. <i>Nonlinear Analysis: Modelling and Control</i> , <b>2009</b> , 14, 27-40	1.3	98
823	Thermal radiation effects on MHD forced convection flow adjacent to a non-isothermal wedge in the presence of a heat source or sink. <i>Heat and Mass Transfer</i> , <b>2003</b> , 39, 305-312	2.2	97
822	Mixed convection in superposed nanofluid and porous layers in square enclosure with inner rotating cylinder. <i>International Journal of Mechanical Sciences</i> , <b>2017</b> , 124-125, 95-108	5.5	95
821	Unsteady three-dimensional MHD-boundary-layer flow due to the impulsive motion of a stretching surface. <i>Acta Mechanica</i> , <b>2001</b> , 146, 59-71	2.1	95
820	Magnetohydrodynamics Natural Convection in a Triangular Cavity Filled With a Cu-Al <sub>2</sub> O <sub>3</sub> /Water Hybrid Nanofluid With Localized Heating From Below and Internal Heat Generation. <i>Journal of Heat Transfer</i> , <b>2018</b> , 140,	1.8	94
819	Exact analytical results for the thermosolutal MHD Marangoni boundary layers. <i>International Journal of Thermal Sciences</i> , <b>2008</b> , 47, 848-857	4.1	94
818	Mixed convection in a lid-driven square cavity with partial slip. <i>International Journal of Thermal Sciences</i> , <b>2014</b> , 82, 47-61	4.1	93
817	Natural convection from a vertical permeable cone in a nanofluid saturated porous media for uniform heat and nanoparticles volume fraction fluxes. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2012</b> , 22, 1073-1085	4.5	93
816	Free convection heat transfer analysis of a suspension of nanoencapsulated phase change materials (NEPCMs) in an inclined porous cavity. <i>International Journal of Thermal Sciences</i> , <b>2020</b> , 157, 106503	4.1	92
815	Numerical study on natural convection of Ag/MgO hybrid/water nanofluid inside a porous enclosure: A local thermal non-equilibrium model. <i>Powder Technology</i> , <b>2020</b> , 367, 443-455	5.2	92
814	Mixed Convection in a Vertical Porous Channel. <i>Transport in Porous Media</i> , <b>2005</b> , 61, 315-335	3.1	91

813	Magnetohydrodynamic flow of molybdenum disulfide nanofluid in a channel with shape effects. <i>Multidiscipline Modeling in Materials and Structures</i> , <b>2019</b> , 15, 737-757	2.2	90
812	Natural convection and entropy generation of a ferrofluid in a square enclosure under the effect of a horizontal periodic magnetic field. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 263, 510-525	6	90
811	Factorial experimental design for the thermal performance of a double pipe heat exchanger using Al <sub>2</sub> O <sub>3</sub> -TiO <sub>2</sub> hybrid nanofluid. <i>International Communications in Heat and Mass Transfer</i> , <b>2018</b> , 97, 92-102	5.8	90
810	Numerical analysis of natural convection of Cu-water nanofluid filling triangular cavity with semicircular bottom wall. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2019</b> , 135, 3485-3497	4.1	90
809	Natural convection in wavy enclosures with volumetric heat sources. <i>International Journal of Thermal Sciences</i> , <b>2011</b> , 50, 502-514	4.1	90
808	Combined heat and mass transfer along a vertical moving cylinder with a free stream. <i>Heat and Mass Transfer</i> , <b>2000</b> , 36, 237-246	2.2	90
807	Entropy Generation and Natural Convection of CuO-Water Nanofluid in C-Shaped Cavity under Magnetic Field. <i>Entropy</i> , <b>2016</b> , 18, 50	2.8	90
806	Hall and ion slip impacts on unsteady MHD convective rotating flow of heat generating/absorbing second grade fluid. <i>AEJ - Alexandria Engineering Journal</i> , <b>2021</b> , 60, 845-858	6.1	90
805	Mixed convection of Al <sub>2</sub> O <sub>3</sub> -water nanofluid in a double lid-driven square cavity with a solid inner insert using Buongiorno's two-phase model. <i>International Journal of Heat and Mass Transfer</i> , <b>2018</b> , 119, 939-961	4.9	88
804	Radiation Effects on Mixed Convection over a Wedge Embedded in a Porous Medium Filled with a Nanofluid. <i>Transport in Porous Media</i> , <b>2012</b> , 91, 261-279	3.1	88
803	Effect of heat generation or absorption on thermophoretic free convection boundary layer from a vertical flat plate embedded in a porous medium. <i>International Communications in Heat and Mass Transfer</i> , <b>2006</b> , 33, 1096-1102	5.8	87
802	On laminar hydromagnetic mixed convection flow in a vertical channel with symmetric and asymmetric wall heating conditions. <i>International Journal of Heat and Mass Transfer</i> , <b>2002</b> , 45, 2509-2525	4.9	87
801	Entropy generation analysis due to MHD natural convection flow in a cavity occupied with hybrid nanofluid and equipped with a conducting hollow cylinder. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2020</b> , 139, 2165-2179	4.1	87
800	Melting of nanoparticles-enhanced phase-change materials in an enclosure: Effect of hybrid nanoparticles. <i>International Journal of Mechanical Sciences</i> , <b>2017</b> , 134, 85-97	5.5	86
799	Hall effects on unsteady MHD flow of second grade fluid through porous medium with ramped wall temperature and ramped surface concentration. <i>Physics of Fluids</i> , <b>2018</b> , 30, 053101	4.4	86
798	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. <i>International Journal of Thermal Sciences</i> , <b>2010</b> , 49, 1821-1828	4.1	86
797	Effect of thermophoresis particle deposition in free convection boundary layer from a vertical flat plate embedded in a porous medium. <i>International Communications in Heat and Mass Transfer</i> , <b>2004</b> , 31, 421-430	5.8	86
796	Study of a third grade non-Newtonian fluid flow between two parallel plates using the multi-step differential transform method. <i>Computers and Mathematics With Applications</i> , <b>2011</b> , 62, 2871-2891	2.7	85

795	FULLY DEVELOPED FREE CONVECTION OF A MICROPOLAR FLUID IN A VERTICAL CHANNEL. <i>International Communications in Heat and Mass Transfer</i> , <b>2002</b> , 29, 1119-1127	5.8	85
794	Unsteady flow and heat transfer on a semi-infinite flat plate with an aligned magnetic field. <i>International Journal of Engineering Science</i> , <b>1999</b> , 37, 1723-1736	5.7	85
793	Thermal conductivity variation on natural convection flow of water-Alumina nanofluid in an annulus. <i>International Journal of Heat and Mass Transfer</i> , <b>2012</b> , 55, 5268-5274	4.9	84
792	Hydromagnetic double-diffusive convection in a rectangular enclosure with opposing temperature and concentration gradients. <i>International Journal of Heat and Mass Transfer</i> , <b>2002</b> , 45, 2465-2483	4.9	84
791	Natural Convective Boundary Layer Flow Over a Nonisothermal Vertical Plate Embedded in a Porous Medium Saturated With a Nanofluid. <i>Nanoscale and Microscale Thermophysical Engineering</i> , <b>2011</b> , 15, 81-94	3.7	83
790	Free convection enhancement in an annulus between horizontal confocal elliptical cylinders using hybrid nanofluids. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2016</b> , 70, 1141-1156	2.3	82
789	Combined effect of heat generation or absorption and first-order chemical reaction on micropolar fluid flows over a uniformly stretched permeable surface. <i>International Journal of Thermal Sciences</i> , <b>2009</b> , 48, 1658-1663	4.1	82
788	DOUBLE-DIFFUSIVE CONVECTION IN A POROUS ENCLOSURE WITH COOPERATING TEMPERATURE AND CONCENTRATION GRADIENTS AND HEAT GENERATION OR ABSORPTION EFFECTS. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2002</b> , 41, 65-87	2.3	82
787	MHD flow over a moving plate in a rotating fluid with magnetic field, Hall currents and free stream velocity. <i>International Journal of Engineering Science</i> , <b>2002</b> , 40, 1511-1527	5.7	80
786	Similarity solutions for hydromagnetic simultaneous heat and mass transfer by natural convection from an inclined plate with internal heat generation or absorption. <i>Heat and Mass Transfer</i> , <b>2001</b> , 37, 117-123	2.2	80
785	Unsteady laminar hydromagnetic fluid-particle flow and heat transfer in channels and circular pipes. <i>International Journal of Heat and Fluid Flow</i> , <b>2000</b> , 21, 740-746	2.4	80
784	COUPLED HEAT AND MASS TRANSFER BY NATURAL CONVECTION ABOUT A TRUNCATED CONE IN THE PRESENCE OF MAGNETIC FIELD AND RADIATION EFFECTS. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2001</b> , 39, 511-530	2.3	80
783	HALL EFFECTS ON MHD SQUEEZING FLOW OF A WATER-BASED NANOFLUID BETWEEN TWO PARALLEL DISKS. <i>Journal of Porous Media</i> , <b>2019</b> , 22, 209-223	2.9	80
782	HEAT AND MASS TRANSFER ON MHD FLOW OF SECOND-GRADE FLUID THROUGH POROUS MEDIUM OVER A SEMI-INFINITE VERTICAL STRETCHING SHEET. <i>Journal of Porous Media</i> , <b>2020</b> , 23, 751-763	2.9	79
781	A numerical investigation of magneto-hydrodynamic natural convection of Cu-water nanofluid in a wavy cavity using CVFEM. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2019</b> , 135, 2599-2611	4.1	78
780	Magneto hydrodynamic Nanofluid Natural Convection in a Cavity under Thermal Radiation and Shape Factor of Nanoparticles Impacts: A Numerical Study Using CVFEM. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 2396	2.6	78
779	MHD natural convection of Cu-Al <sub>2</sub> O <sub>3</sub> water hybrid nanofluids in a cavity equally divided into two parts by a vertical flexible partition membrane. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2019</b> , 138, 1723-1743	4.1	77
778	Flow of Two-Immiscible Fluids in Porous and Nonporous Channels. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , <b>2000</b> , 122, 117-124	2.1	77

777	Fluid-structure interaction study of natural convection heat transfer over a flexible oscillating fin in a square cavity. <i>International Journal of Thermal Sciences</i> , <b>2017</b> , 111, 256-273	4.1	76
776	NON-DARCY FULLY DEVELOPED MIXED CONVECTION IN A POROUS MEDIUM CHANNEL WITH HEAT GENERATION/ABSORPTION AND HYDROMAGNETIC EFFECTS. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>1997</b> , 32, 653-675	2.3	76
775	Natural Convective Boundary Layer Flow over a Horizontal Plate Embedded in a Porous Medium Saturated with a Nanofluid. <i>Journal of Modern Physics</i> , <b>2011</b> , 02, 62-71	0.5	76
774	Numerical investigation of natural convection of Al <sub>2</sub> O <sub>3</sub> -water nanofluid in a wavy cavity with conductive inner block using Buongiorno's two-phase model. <i>Advanced Powder Technology</i> , <b>2019</b> , 30, 399-414	4.6	76
773	Hydromagnetic combined heat and mass transfer by natural convection from a permeable surface embedded in a fluid-saturated porous medium. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2000</b> , 10, 455-477	4.5	75
772	Analysis of mixed convection of nanofluid in a 3D lid-driven trapezoidal cavity with flexible side surfaces and inner cylinder. <i>International Communications in Heat and Mass Transfer</i> , <b>2017</b> , 87, 40-51	5.8	74
771	EFFECT OF LENGTH AND INCLINATION OF A THIN FIN ON NATURAL CONVECTION IN A SQUARE ENCLOSURE. <i>Numerical Heat Transfer; Part A: Applications</i> , <b>2006</b> , 50, 381-399	2.3	74
770	Natural convection from an inclined plate embedded in a variable porosity porous medium due to solar radiation. <i>International Journal of Thermal Sciences</i> , <b>2002</b> , 41, 73-81	4.1	74
769	Unsteady two-fluid flow and heat transfer in a horizontal channel. <i>Heat and Mass Transfer</i> , <b>2005</b> , 42, 81-90	2	74
768	Hydromagnetic three-dimensional free convection on a vertical stretching surface with heat generation or absorption. <i>International Journal of Heat and Fluid Flow</i> , <b>1999</b> , 20, 84-92	2.4	74
767	Effects of heat generation/absorption and thermophoresis on hydromagnetic flow with heat and mass transfer over a flat surface. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2000</b> , 10, 432-449	4.5	73
766	A comprehensive review on mixed convection of nanofluids in various shapes of enclosures. <i>Powder Technology</i> , <b>2019</b> , 343, 880-907	5.2	73
765	Numerical simulation of hydrothermal features of Cu-H <sub>2</sub> O nanofluid natural convection within a porous annulus considering diverse configurations of heater. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2020</b> , 141, 2109-2125	4.1	72
764	Hall and ion slip effects on Unsteady MHD Convective Rotating flow of Nanofluids Application in Biomedical Engineering. <i>Journal of the Egyptian Mathematical Society</i> , <b>2020</b> , 28,	2.2	72
763	Solar Radiation Assisted Natural Convection in Uniform Porous Medium Supported by a Vertical Flat Plate. <i>Journal of Heat Transfer</i> , <b>1997</b> , 119, 89-96	1.8	72
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