

S Sivasankaran

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Impact of stratifications and chemical reaction on convection of a non-Newtonian fluid in a Riga plate with thermal radiation and Cattaneo-Christov flux. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 6519-6535. | 3.6 | 8 |
| 2 | Variable heat source in stagnation-point unsteady flow of magnetized Oldroyd-B fluid with cubic autocatalysis chemical reaction. <i>Ain Shams Engineering Journal</i> , 2022, 13, 101610. | 6.1 | 28 |
| 3 | Numerical Study on Mixed Convection Flow and Energy Transfer in an Inclined Channel Cavity: Effect of Baffle Size. <i>Mathematical and Computational Applications</i> , 2022, 27, 9. | 1.3 | 2 |
| 4 | Nanofluid flow with activation energy and heat generation under slip boundary condition with convective heat and mass transfer. <i>Materials Today: Proceedings</i> , 2022, 59, 959-967. | 1.8 | 4 |
| 5 | Soret & Dufour and Triple Stratification Effect on MHD Flow with Velocity Slip towards a Stretching Cylinder. <i>Mathematical and Computational Applications</i> , 2022, 27, 25. | 1.3 | 5 |
| 6 | Free convection in an inclined porous cavity with sinusoidal heating on sidewalls. <i>Materials Today: Proceedings</i> , 2022, 59, 1189-1195. | 1.8 | 2 |
| 7 | Numerical study on influence of water based hybrid nanofluid and porous media on heat transfer and pressure loss. <i>Case Studies in Thermal Engineering</i> , 2022, 34, 102022. | 5.7 | 13 |
| 8 | Impact of electro-magneto-hydrodynamics in radiative flow of nanofluids between two rotating plates. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 10307-10317. | 6.4 | 10 |
| 9 | Synthesis, Microstructures and Mechanical Behaviour of Cr _{0.21} Fe _{0.20} Al _{0.41} Cu _{0.18} and Cr _{0.14} Fe _{0.13} Al _{0.26} Cu _{0.11} Si _{0.25} Zn _{0.11} Nanocrystallite Entropy Alloys Prepared by Mechanical Alloying and Hot-Pressing. <i>Metals and Materials International</i> , 2021, 27, 139-155. | 3.4 | 12 |
| 10 | Impact of double-stratification on convective flow of a non-Newtonian liquid in a Riga plate with Cattaneo-Christov double-flux and thermal radiation. <i>Ain Shams Engineering Journal</i> , 2021, 12, 969-981. | 6.1 | 37 |
| 11 | Influence of thermal radiation on squeezing flow of copper-water nanofluid between parallel plates. <i>Materials Today: Proceedings</i> , 2021, 42, 457-464. | 1.8 | 6 |
| 12 | Impact of double-diffusion and second order slip on convection of chemically reacting Oldroyd-B liquid with Cattaneo-Christov dual flux. <i>Thermal Science</i> , 2021, 25, 3729-3740. | 1.1 | 0 |
| 13 | Upper-convected Maxwell fluid analysis over a horizontal wedge using Cattaneo-Christov heat flux model. <i>Thermal Science</i> , 2021, 25, 1013-1021. | 1.1 | 7 |
| 14 | Convective heat and mass transfer of chemically reacting fluids with activation energy along with Soret and Dufour effects. <i>Materials Today: Proceedings</i> , 2021, 42, 600-606. | 1.8 | 4 |
| 15 | Chemical reaction, radiation and activation energy effects on MHD buoyancy induced nanofluid flow past a vertical surface. <i>Scientia Iranica</i> , 2021, . | 0.4 | 4 |
| 16 | Convective heat and mass transfer of chemically reacting fluids with activation energy with radiation and heat generation. <i>Journal of Thermal Engineering</i> , 2021, 7, 1130-1138. | 1.6 | 1 |
| 17 | Numerical study on convective flow boiling of nanofluid inside a pipe filling with aluminum metal foam by two-phase model. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101095. | 5.7 | 12 |
| 18 | Numerical study on buoyant convection and thermal radiation in a cavity with various thermal sources and Cattaneo-Christov heat flux. <i>Case Studies in Thermal Engineering</i> , 2021, 27, 101207. | 5.7 | 12 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Thermally radiative flow of a viscoelastic nanofluid with Newtonian heating. International Journal of Nanotechnology, 2021, 18, 705. | 0.2 | 0 |
| 20 | Radiation and cross diffusion on unsteady chemically reactive convective flow through an extended surface in heat generating porous medium. International Journal of Energy Technology and Policy, 2021, 17, 494. | 0.2 | 0 |
| 21 | Radiation and cross diffusion on unsteady chemically reactive convective flow through an extended surface in heat generating porous medium. International Journal of Energy Technology and Policy, 2021, 17, 494. | 0.2 | 3 |
| 22 | Influence of Geometry and Magnetic Field on Convective Flow of Nanofluids in Trapezoidal Microchannel Heat Sink. Iranian Journal of Science and Technology - Transactions of Mechanical Engineering, 2020, 44, 373-382. | 1.3 | 19 |
| 23 | Heat retention analysis with thermal encapsulation of powertrain under natural soak environment. International Journal of Heat and Mass Transfer, 2020, 147, 118940. | 4.8 | 6 |
| 24 | Manufacturing Methods, Microstructural and Mechanical Properties Evolutions of High-Entropy Alloys: A Review. Metals and Materials International, 2020, 26, 1099-1133. | 3.4 | 101 |
| 25 | MHD bioconvective flow of a thermally radiative nanofluid in a stratified medium considering gyrotactic microorganisms. Journal of Physics: Conference Series, 2020, 1597, 012001. | 0.4 | 8 |
| 26 | Analytical and Numerical Study on Cross Diffusion Effects on Magneto-Convection of a Chemically Reacting Fluid with Suction/Injection and Convective Boundary Condition. Defect and Diffusion Forum, 2020, 401, 63-78. | 0.4 | 3 |
| 27 | Numerical study on convective flow and heat transfer in 3D inclined enclosure with hot solid body and discrete cooling. International Journal of Numerical Methods for Heat and Fluid Flow, 2020, 30, 4649-4659. | 2.8 | 8 |
| 28 | Numerical simulation on convection of non-Newtonian fluid in a porous enclosure with non-uniform heating and thermal radiation. AEJ - Alexandria Engineering Journal, 2020, 59, 3315-3323. | 6.4 | 28 |
| 29 | Effects of Entropy Generation, Thermal Radiation and Moving-Wall Direction on Mixed Convective Flow of Nanofluid in an Enclosure. Mathematics, 2020, 8, 1471. | 2.2 | 14 |
| 30 | Numerical simulation on mixed magneto-convection in a tilted lid-driven box with sinusoidal heating. Journal of Physics: Conference Series, 2020, 1597, 012051. | 0.4 | 1 |
| 31 | Numerical Simulation on Convection and Thermal Radiation of Casson Fluid in an Enclosure with Entropy Generation. Entropy, 2020, 22, 229. | 2.2 | 19 |
| 32 | 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. | 2.7 | 1 |
| 33 | Numerical study on convective flow in a three-dimensional enclosure with hot solid body and discrete cooling. Numerical Heat Transfer; Part A: Applications, 2019, 76, 87-99. | 2.1 | 11 |
| 34 | Second-order slip, cross-diffusion and chemical reaction effects on magneto-convection of Oldroyd-B liquid using Cattaneo-Christov heat flux with convective heating. Journal of Thermal Analysis and Calorimetry, 2019, 136, 401-409. | 3.6 | 39 |
| 35 | Magneto-convection of water near its maximum density in a cavity with partially thermally active walls. Energy and Environment, 2019, 30, 833-853. | 4.6 | 12 |
| 36 | Effect of Non-linear Radiation on 3D Unsteady MHD Nanofluid Flow over a Stretching Surface with Double Stratification. Trends in Mathematics, 2019, , 109-116. | 0.1 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Cross Diffusion Effects on MHD Convection of Casson-Williamson Fluid over a Stretching Surface with Radiation and Chemical Reaction. Trends in Mathematics, 2019, , 139-146. | 0.1 | 6 |
| 38 | Effect of Slip and Convective Heating on Unsteady MHD Chemically Reacting Flow Over a Porous Surface with Suction. Trends in Mathematics, 2019, , 357-365. | 0.1 | 1 |
| 39 | Stratification and Cross Diffusion Effects on Magneto-Convection Stagnation-Point Flow in a Porous Medium with Chemical Reaction, Radiation, and Slip Effects. Trends in Mathematics, 2019, , 245-253. | 0.1 | 2 |
| 40 | Stratification, Slip and Cross Diffusion Impacts on Time Depending Convective Stream with Chemical Reaction. Mathematical Modelling of Engineering Problems, 2019, 6, 581-588. | 0.5 | 1 |
| 41 | CFD models comparative study on nanofluids subcooled flow boiling in a vertical pipe. Numerical Heat Transfer; Part A: Applications, 2018, 73, 55-74. | 2.1 | 25 |
| 42 | Cold deformation of dezincification resistant yellow brass for plumbing applications. Materials and Manufacturing Processes, 2018, 33, 1693-1700. | 4.7 | 7 |
| 43 | Effect of Aspect Ratio on Natural Convection in a Porous Wavy Cavity. Arabian Journal for Science and Engineering, 2018, 43, 1409-1421. | 3.0 | 18 |
| 44 | Impacts of chemical reaction on MHD double diffusive flow with suction/blowing and slip. Journal of Physics: Conference Series, 2018, 1139, 012089. | 0.4 | 2 |
| 45 | Thermal radiation and cross diffusion effects on 3D convective flow of a viscoelastic fluid over a stretchy paper with chemical reaction. Journal of Physics: Conference Series, 2018, 1139, 012029. | 0.4 | 2 |
| 46 | Effect of thermal radiation and heat absorption of MHD Casson nanofluid over a stretching surface in a porous medium with convective heat and mass conditions. Journal of Physics: Conference Series, 2018, 1139, 012017. | 0.4 | 1 |
| 47 | Effect of solid body aspect ratio on natural convection of nanofluid in a square cavity. Journal of Physics: Conference Series, 2018, 1139, 012082. | 0.4 | 0 |
| 48 | Natural convection in a linearly heated vertical porous annulus. Journal of Physics: Conference Series, 2018, 1139, 012018. | 0.4 | 6 |
| 49 | Effect of thermal radiation on combined bioconvection in a horizontal channel filled by nanofluid and gyrotactic microorganisms. Journal of Physics: Conference Series, 2018, 1139, 012076. | 0.4 | 0 |
| 50 | Effect of second order slip and non-linear thermal radiation on mixed convection flow of MHD Jeffrey nanofluid with double stratification under convective boundary condition. IOP Conference Series: Materials Science and Engineering, 2018, 390, 012081. | 0.6 | 3 |
| 51 | Effect of baffle size and thermal boundary conditions on mixed convection flow in a channel with cavity. Journal of Physics: Conference Series, 2018, 1139, 012088. | 0.4 | 2 |
| 52 | Dufour-Soret Effects on 3D Convective Viscoelastic Fluid Flow Upon a Stretched Surface. International Journal of Engineering and Technology(UAE), 2018, 7, 598. | 0.3 | 1 |
| 53 | Free Convection of Water near its Density Maximum in a Heat Generating Porous Cavity with Sinusoidal Heating. IOP Conference Series: Materials Science and Engineering, 2018, 390, 012095. | 0.6 | 0 |
| 54 | Cross diffusion, radiation and chemical reaction effects on MHD combined convective flow towards a stagnation-point upon vertical plate with heat generation. IOP Conference Series: Materials Science and Engineering, 2018, 390, 012088. | 0.6 | 1 |

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|----|--|-----|-----------|
| 55 | Influence of density inversion and sinusoidal heating on dual diffusive convection in a water saturated square porous box. <i>Journal of Physics: Conference Series</i> , 2018, 1139, 012072. | 0.4 | 0 |
| 56 | Analytical study on mixed double diffusive convection in a vertical wavy porous channel with chemical reaction and Soret effect. <i>Journal of Physics: Conference Series</i> , 2018, 1139, 012085. | 0.4 | 0 |
| 57 | Free convection of nanoliquids in an enclosure with sinusoidal heating. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 390, 012086. | 0.6 | 0 |
| 58 | Effects of multiple slip on MHD combined convective flow of viscoelastic nanofluid over a stretchy sheet with heat absorption. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 390, 012096. | 0.6 | 4 |
| 59 | Effect of chemical reaction and heat generation on 3D double diffusive convection over a stretching plate: Numerical and analytical study. <i>Journal of Physics: Conference Series</i> , 2018, 1139, 012001. | 0.4 | 0 |
| 60 | Effect of thermal radiation and slip on unsteady 3D MHD nanofluid flow over a non-linear stretching sheet in a porous medium with convective boundary condition. <i>Journal of Physics: Conference Series</i> , 2018, 1139, 012027. | 0.4 | 1 |
| 61 | 2D buoyant convective flow in a square box containing an adiabatic solid block: Effect of aspect ratio of solid block and various thermal boundaries. <i>Journal of Physics: Conference Series</i> , 2018, 1139, 012087. | 0.4 | 0 |
| 62 | Thermosolutal combined convection in a lid-driven enclosure with time periodic heating and linearly salting. <i>Journal of Physics: Conference Series</i> , 2018, 1139, 012075. | 0.4 | 0 |
| 63 | Multiple slip effects on mixed convection of Oldroyd-B fluid towards a stretchy surface with radiation and chemical reaction using Cattaneo-Christov heat flux. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 455, 012125. | 0.6 | 1 |
| 64 | Thermal radiation and chemical reaction effects on mixed bioconvection of nanofluid in a horizontal channel along with microorganisms. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 455, 012130. | 0.6 | 1 |
| 65 | Free convective flow of nanoliquids in a partitioned cavity with linearly heating. <i>Journal of Physics: Conference Series</i> , 2018, 1139, 012071. | 0.4 | 0 |
| 66 | Cross diffusion effects on combined bioconvection of nanofluid in a flat channel along with microorganisms. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 390, 012084. | 0.6 | 0 |
| 67 | Soret and Dufour Effect on MHD Jeffrey Nanofluid Flow towards a Stretching Cylinder with Triple Stratification, Radiation and Slip. <i>Defect and Diffusion Forum</i> , 2018, 387, 523-533. | 0.4 | 12 |
| 68 | Dufour and Soret effects on MHD convection of Oldroyd-B liquid over stretching surface with chemical reaction and radiation using Cattaneo-Christov heat flux. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 390, 012077. | 0.6 | 2 |
| 69 | Convective Mass and Heat Transfer of a Chemically Reacting Fluid in a Porous Medium with Cross Diffusion Effects and Convective Boundary. <i>Springer Transactions in Civil and Environmental Engineering</i> , 2018, , 325-341. | 0.4 | 0 |
| 70 | Natural Convection of Cold Water Near Its Density Maximum in a Porous Wavy Cavity. <i>Springer Transactions in Civil and Environmental Engineering</i> , 2018, , 305-324. | 0.4 | 1 |
| 71 | Internal heat generation effect on transient natural convection in a nanofluid-saturated local thermal non-equilibrium porous inclined cavity. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 509, 275-293. | 2.6 | 78 |
| 72 | Natural convection in an inclined porous triangular enclosure with various thermal boundary conditions. <i>Thermal Science</i> , 2018, , 159-159. | 1.1 | 3 |

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|----|---|-----|-----------|
| 73 | Effects of viscous dissipation and convective heating on convection flow of a second grade liquid over a stretching surface: Analytical and numerical study. <i>Scientia Iranica</i> , 2018, . | 0.4 | 3 |
| 74 | Soret and Dufour effects on doubly diffusive convection of nanofluid over a wedge in the presence of thermal radiation and suction. <i>Scientia Iranica</i> , 2018, . | 0.4 | 1 |
| 75 | Effect of Thermal Radiation on Magneto-Convection of a Micropolar Nanoliquid towards a Non-Linear Stretching Surface with Convective Boundary. <i>International Journal of Engineering and Technology(UAE)</i> , 2018, 7, 417. | 0.3 | 3 |
| 76 | Cross Diffusion Impacts on Chemically Reactive Unsteady Mass and Energy Transport Over Elongated Surface through Penetrable Medium. <i>International Journal of Engineering and Technology(UAE)</i> , 2018, 7, 846. | 0.3 | 0 |
| 77 | MHD Flow of Carreau Liquid with Partial Slip and Newtonian Heating. <i>International Journal of Engineering and Technology(UAE)</i> , 2018, 7, 637. | 0.3 | 2 |
| 78 | Active and passive controls of the Williamson stagnation nanofluid flow over a stretching/shrinking surface. <i>Neural Computing and Applications</i> , 2017, 28, 1023-1033. | 5.6 | 40 |
| 79 | Chemical reaction, radiation and slip effects on MHD mixed convection stagnation-point flow in a porous medium with convective boundary condition. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2017, 27, 454-470. | 2.8 | 48 |
| 80 | Natural convection in a wavy porous cavity with sinusoidal heating and internal heat generation. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2017, 27, 287-309. | 2.8 | 61 |
| 81 | Strengthening Mechanisms on (Cu-10Zn)10wt% Al ₂ O ₃ (3, 6, 9 and 12) Nanocomposites Prepared by Mechanical Alloying and Vacuum Hot Pressing: Influence of Reinforcement Content. <i>Transactions of the Indian Institute of Metals</i> , 2017, 70, 791-800. | 1.5 | 25 |
| 82 | Numerical study on free convection of cold water in a square porous cavity heated with sinusoidal wall temperature. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2017, 27, 1000-1014. | 2.8 | 22 |
| 83 | Effect of alumina content on microstructures, mechanical, wear and machining behavior of Cu-10Zn nanocomposite prepared by mechanical alloying and hot-pressing. <i>Journal of Alloys and Compounds</i> , 2017, 709, 129-141. | 5.5 | 46 |
| 84 | Analytical and numerical study on convection of nanofluid past a moving wedge with Soret and Dufour effects. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2017, 27, 2333-2354. | 2.8 | 67 |
| 85 | Double-diffusive mixed convection in a lid-driven cavity with non-uniform heating on sidewalls. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2017, 42, 1929-1941. | 1.3 | 25 |
| 86 | A survey on security attacks in electronic healthcare systems. , 2017, , . | | 7 |
| 87 | Effect of partial slip and chemical reaction on convection of a viscoelastic fluid over a stretching surface with Cattaneo-Christov heat flux model. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 263, 062009. | 0.6 | 8 |
| 88 | Frozen Jacobian Multistep Iterative Method for Solving Nonlinear IVPs and BVPs. <i>Complexity</i> , 2017, 2017, 1-30. | 1.6 | 5 |
| 89 | 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. | 2.1 | 40 |
| 90 | Hydro-magnetic mixed convection in a lid-driven cavity with partially thermally active walls. <i>Scientia Iranica</i> , 2017, 24, 153-163. | 0.4 | 9 |

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|-----|---|-----|-----------|
| 91 | Chemical reaction, solet and dufour effects on MHD mixed convection stagnation point flow with radiation and slip condition. <i>Scientia Iranica</i> , 2017, 24, 698-706. | 0.4 | 19 |
| 92 | Zero and nonzero normal fluxes of thermal radiative boundary layer flow of nanofluid over a radially stretched surface. <i>Scientia Iranica</i> , 2017, . | 0.4 | 3 |
| 93 | Analytical and Numerical Study on Magnetoconvection Stagnation-Point Flow in a Porous Medium with Chemical Reaction, Radiation, and Slip Effects. <i>Mathematical Problems in Engineering</i> , 2016, 2016, 1-12. | 1.1 | 20 |
| 94 | Natural convection in an oblique porous cavity with non-uniform heating. <i>AIP Conference Proceedings</i> , 2016, , . | 0.4 | 0 |
| 95 | Experimental investigation on synthesis and structural characterization of Cu-Zn-x wt%Al ₂ O ₃ (x = 0, 1) compounds. <i>Journal of Materials</i> , 2016, 688, 518-526. | 5.5 | 21 |
| 96 | 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. | 2.1 | 64 |
| 97 | Lattice Boltzmann Simulation for a Lid-Driven Cavity with Discrete Heating/Cooling Sources. <i>Journal of Thermophysics and Heat Transfer</i> , 2016, 30, 573-586. | 1.6 | 10 |
| 98 | Numerical investigation of two-phase laminar pulsating nanofluid flow in helical microchannel filled with a porous medium. <i>International Communications in Heat and Mass Transfer</i> , 2016, 75, 86-91. | 5.6 | 40 |
| 99 | Magneto-hydrodynamic natural convection in an inclined T-shaped enclosure for different nanofluids and subjected to a uniform heat source. <i>AEJ - Alexandria Engineering Journal</i> , 2016, 55, 2157-2169. | 6.4 | 72 |
| 100 | Numerical solution of Cheng-Minkowycz natural convection nanofluid flow with zero flux. <i>AIP Conference Proceedings</i> , 2016, , . | 0.4 | 1 |
| 101 | Numerical analysis on MHD Marangoni convection in an open enclosure. <i>AIP Conference Proceedings</i> , 2016, , . | 0.4 | 1 |
| 102 | Numerical investigation of two-phase laminar pulsating nanofluid flow in a helical microchannel. <i>Numerical Heat Transfer; Part A: Applications</i> , 2016, 69, 921-930. | 2.1 | 17 |
| 103 | Effect of moving wall direction on mixed convection in an inclined lid-driven square cavity with sinusoidal heating. <i>Numerical Heat Transfer; Part A: Applications</i> , 2016, 69, 630-642. | 2.1 | 27 |
| 104 | Three-dimensional unsteady natural convection and entropy generation in an inclined cubical trapezoidal cavity with an isothermal bottom wall. <i>AEJ - Alexandria Engineering Journal</i> , 2016, 55, 741-755. | 6.4 | 52 |
| 105 | Turbulent forced convection of Cu-water nanofluid in a heated tube: Improvement of the two-phase model. <i>Numerical Heat Transfer; Part A: Applications</i> , 2016, 69, 401-420. | 2.1 | 31 |
| 106 | Modeling of MHD natural convection in a square enclosure having an adiabatic square shaped body using Lattice Boltzmann Method. <i>AEJ - Alexandria Engineering Journal</i> , 2016, 55, 203-214. | 6.4 | 46 |
| 107 | Mixed convection from a discrete heat source in enclosures with two adjacent moving walls and filled with micropolar nanofluids. <i>Engineering Science and Technology, an International Journal</i> , 2016, 19, 364-376. | 3.2 | 54 |
| 108 | CONJUGATE NATURAL CONVECTION IN AN INCLINED SQUARE POROUS ENCLOSURE WITH FINITE WALL THICKNESS AND PARTIALLY HEATED FROM ITS LEFT SIDEWALL. <i>Heat Transfer Research</i> , 2016, 47, 383-402. | 1.6 | 21 |

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|-----|---|-----|-----------|
| 109 | A Numerical Simulation on MHD Mixed Convection in a Lid-driven Cavity with Corner Heaters. Journal of Applied Fluid Mechanics, 2016, 9, 311-319. | 0.2 | 34 |
| 110 | Effect of Chemical Reaction on Convective Heat Transfer of Boundary Layer Flow in Nanofluid over a Wedge with Heat Generation/Absorption and Suction. Journal of Applied Fluid Mechanics, 2016, 9, 379-388. | 0.2 | 58 |
| 111 | Soret and Dufour Effects on MHD Mixed Convection Heat and Mass Transfer of a Stagnation Point Flow towards a Vertical Plate in a Porous Medium with Chemical Reaction, Radiation and Heat Generation. Journal of Applied Fluid Mechanics, 2016, 9, 1447-1455. | 0.2 | 39 |
| 112 | Mixed convection in a lid-driven cavity with sinusoidal boundary temperature at the bottom wall in the presence of magnetic field. Scientia Iranica, 2016, 23, 1027-1036. | 0.4 | 15 |
| 113 | Soret and Dufour effects on viscoelastic boundary layer flow over a stretching surface with convective boundary condition with radiation and chemical reaction. Scientia Iranica, 2016, 23, 2575-2586. | 0.4 | 29 |
| 114 | Influence of Transverse Magnetic Field on Microchannel Heat Sink Performance. Journal of Applied Fluid Mechanics, 2016, 9, 3159-3166. | 0.2 | 4 |
| 115 | Effect of Radiation on MHD Convective Flow and Heat Transfer of a Viscoelastic Fluid Over a Stretching Surface. Procedia Engineering, 2015, 127, 916-923. | 1.2 | 24 |
| 116 | Effects of various thermal boundary conditions on natural convection in porous cavities. AIP Conference Proceedings, 2015, , . | 0.4 | 0 |
| 117 | Effect of thermal radiation and suction on convective heat transfer of nanofluid along a wedge in the presence of heat generation/absorption. AIP Conference Proceedings, 2015, , . | 0.4 | 2 |
| 118 | Effect of Variable Fluid Properties on Natural Convection of Nanofluids in a Cavity with Linearly Varying Wall Temperature. Mathematical Problems in Engineering, 2015, 2015, 1-13. | 1.1 | 15 |
| 119 | Effects of chemical reaction on MHD mixed convection stagnation point flow toward a vertical plate in a porous medium with radiation and heat generation. Journal of Physics: Conference Series, 2015, 662, 012014. | 0.4 | 7 |
| 120 | Turbulent forced convection of Cu α water nanofluid: CFD model comparison. International Communications in Heat and Mass Transfer, 2015, 67, 163-172. | 5.6 | 61 |
| 121 | Two-Phase Analysis of A Helical Microchannel Heat Sink Using Nanofluids. Numerical Heat Transfer; Part A: Applications, 2015, 68, 1266-1279. | 2.1 | 24 |
| 122 | CONVECTIVE HEAT TRANSFER AND FLUID FLOW ANALYSIS IN A HELICAL MICROCHANNEL FILLED WITH A POROUS MEDIUM. Journal of Porous Media, 2015, 18, 791-800. | 1.9 | 7 |
| 123 | Effect of wall inclination on natural convection in a porous trapezoidal cavity. , 2014, , . | | 7 |
| 124 | Mixed convection of water near its density maximum in a lid-driven porous square cavity. , 2014, , . | | 2 |
| 125 | Free convection flow in an inclined plate with variable thermal conductivity by scaling group transformations. , 2014, , . | | 4 |
| 126 | Convective heat transfer of nanofluid past a wedge in the presence of heat generation/absorption with suction/injection. , 2014, , . | | 4 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 127 | Boundary layer flow and heat transfer due to permeable stretching tube in the presence of heat source/sink utilizing nanofluids. Applied Mathematics and Computation, 2014, 238, 149-162. | 2.2 | 74 |
| 128 | Viscous dissipation and radiation effects on MHD natural convection in a square enclosure filled with a porous medium. Nuclear Engineering and Design, 2014, 266, 34-42. | 1.7 | 62 |
| 129 | Lattice Boltzmann simulation of natural convection heat transfer in an open enclosure filled with Cu-water nanofluid in a presence of magnetic field. Nuclear Engineering and Design, 2014, 268, 10-17. | 1.7 | 74 |
| 130 | Mixed Convection in a Lid-Driven Two-Dimensional Square Cavity with Corner Heating and Internal Heat Generation. Numerical Heat Transfer; Part A: Applications, 2014, 65, 269-286. | 2.1 | 35 |
| 131 | Natural Convection of Nanofluids in a Cavity with Nonuniform Temperature Distributions on Side Walls. Numerical Heat Transfer; Part A: Applications, 2014, 65, 247-268. | 2.1 | 59 |
| 132 | Mixed convection in an inclined lid-driven cavity with non-uniform heating on both sidewalls. Journal of Applied Mechanics and Technical Physics, 2014, 55, 634-649. | 0.5 | 24 |
| 133 | Natural Convection in a Porous Cavity with Sinusoidal Heating on Both Sidewalls. Numerical Heat Transfer; Part A: Applications, 2013, 63, 14-30. | 2.1 | 55 |
| 134 | Numerical study on mixed convection in an inclined lid-driven cavity with discrete heating. International Communications in Heat and Mass Transfer, 2013, 46, 112-125. | 5.6 | 65 |
| 135 | Effect of heating location and size on MHD mixed convection in a lid-driven cavity. International Journal of Numerical Methods for Heat and Fluid Flow, 2013, 23, 867-884. | 2.8 | 30 |
| 136 | Effect of aspect ratio on natural convection in an inclined rectangular enclosure with sinusoidal boundary condition. International Communications in Heat and Mass Transfer, 2013, 45, 75-85. | 5.6 | 71 |
| 137 | Non-isothermal flow through a rotating straight duct with wide range of rotational and pressure driven parameters. Computational Mathematics and Mathematical Physics, 2013, 53, 1571-1589. | 0.8 | 1 |
| 138 | Effect of discrete heating on magneto-convection in a cavity. , 2013, , . | | 0 |
| 139 | Natural convection in an inclined square enclosure subject to sinusoidal temperature profile. , 2013, , . | | 1 |
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