

# Mahesha Narayana

## List of Publications by Year in descending order

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30  
papers

957  
citations

759233

12  
h-index

526287

27  
g-index

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all docs

30  
docs citations

30  
times ranked

612  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Heat transfer in MHD viscoelastic fluid flow over a stretching sheet with variable thermal conductivity, non-uniform heat source and radiation. <i>Applied Mathematical Modelling</i> , 2008, 32, 1965-1983.   | 4.2 | 250       |
| 2  | Hydromagnetic nanofluid flow due to a stretching or shrinking sheet with viscous dissipation and chemical reaction effects. <i>International Journal of Heat and Mass Transfer</i> , 2012, 55, 7587-7595.  | 4.8 | 164       |
| 3  | Heat transfer in a liquid film over an unsteady stretching surface with viscous dissipation in presence of external magnetic field. <i>Applied Mathematical Modelling</i> , 2009, 33, 3430-3441.   | 4.2 | 128       |
| 4  | Flow and heat transfer in a power-law fluid over a stretching sheet with variable thermal conductivity and non-uniform heat source. <i>International Journal of Heat and Mass Transfer</i> , 2009, 52, 2902-2913.  | 4.8 | 83        |
| 5  | Effects of thermal buoyancy and variable thermal conductivity on the MHD flow and heat transfer in a power-law fluid past a vertical stretching sheet in the presence of a non-uniform heat source. <i>International Journal of Non-Linear Mechanics</i> , 2009, 44, 1-12. | 2.6 | 61        |
| 6  | Laminar flow of a nanoliquid film over an unsteady stretching sheet. <i>International Journal of Heat and Mass Transfer</i> , 2012, 55, 7552-7560.   | 4.8 | 56        |
| 7  | Double diffusive magneto-convection in viscoelastic fluids. <i>International Journal of Heat and Mass Transfer</i> , 2013, 67, 194-201.  | 4.8 | 27        |
| 8  | HEAT TRANSFER DUE TO MHD SLIP FLOW OF A SECOND-GRADE LIQUID OVER A STRETCHING SHEET THROUGH A POROUS MEDIUM WITH NONUNIFORM HEAT SOURCE/SINK. <i>Chemical Engineering Communications</i> , 2010, 198, 191-213.   | 2.6 | 22        |
| 9  | Linear and nonlinear stability analysis of binary viscoelastic fluid convection. <i>Applied Mathematical Modelling</i> , 2013, 37, 8162-8178.  | 4.2 | 20        |
| 10 | BIOCONVECTION IN A NON-DARCY POROUS MEDIUM SATURATED WITH A NANOFLLUID AND OXYTACTIC MICRO-ORGANISMS. <i>International Journal of Biomathematics</i> , 2014, 07, 1450005.  | 2.9 | 19        |
| 11 | Numerical solution of the momentum and heat transfer equations for a hydromagnetic flow due to a stretching sheet of a non-uniform property micropolar liquid. <i>Applied Mathematics and Computation</i> , 2011, 217, 5895-5909.  | 2.2 | 16        |
| 12 | On double-diffusive convection and cross diffusion effects on a horizontal wavy surface in a porous medium. <i>Boundary Value Problems</i> , 2012, 2012, 88.   | 0.7 | 12        |
| 13 | Linear and nonlinear stability analysis of binary Maxwell fluid convection in a porous medium. <i>Heat and Mass Transfer</i> , 2012, 48, 863-874.  | 2.1 | 12        |
| 14 | Free magnetohydrodynamic flow and convection from a vertical spinning cone with cross-diffusion effects. <i>Applied Mathematical Modelling</i> , 2013, 37, 2662-2678.  | 4.2 | 11        |
| 15 | Soret Effect on the Natural Convection From a Vertical Plate in a Thermally Stratified Porous Medium Saturated With Non-Newtonian Liquid. <i>Journal of Heat Transfer</i> , 2013, 135, .   | 2.1 | 11        |
| 16 | Heat and mass transfer from an isothermal wedge in nanofluids with Soret effect. <i>European Physical Journal Plus</i> , 2014, 129, 1.   | 2.6 | 9         |
| 17 | Natural convection from a vertical plate immersed in a power-law fluid saturated non-Darcy porous medium with viscous dissipation and Soret effects. <i>Afrika Matematika</i> , 2015, 26, 1495-1518.   | 0.8 | 9         |
| 18 | Magnetohydrodynamic Mixed Convective Flow Due to a Vertical Plate With Induced Magnetic Field. <i>Journal of Thermal Science and Engineering Applications</i> , 2018, 10, .  | 1.5 | 9         |

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|----|--|-----|-----------|
| 19 | Viscous Dissipation and Thermal Radiation Effects on Mixed Convection from a Vertical Plate in a Non-Darcy Porous Medium. <i>Transport in Porous Media</i> , 2013, 96, 419-428.                    | 2.6 | 7         |
| 20 | On the Solution of Double-Diffusive Convective Flow due to a Cone by a Linearization Method. <i>Journal of Applied Mathematics</i> , 2012, 2012, 1-19.   | 0.9 | 5         |
| 21 | Modelling micropolar ferromagnetic fluid flow due to stretching of an elastic sheet. <i>Afrika Matematika</i> , 2014, 25, 667-679.   | 0.8 | 5         |
| 22 | Soret and Dufour effects on thermohaline convection in rotating fluids. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 2016, 110, 317-347.  | 1.2 | 5         |
| 23 | Thermocapillary flow of a non-Newtonian nanoliquid film over an unsteady stretching sheet. <i>AIP Conference Proceedings</i> , 2017, , .   | 0.4 | 5         |
| 24 | Hypergeometric steady solution of hydromagnetic nano liquid film flow over an unsteady stretching sheet. <i>AIP Conference Proceedings</i> , 2017, , .   | 0.4 | 3         |
| 25 | On the differential transform method of solving boundary eigenvalue problems: An illustration. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2021, 101, e202000114.             | 1.6 | 3         |
| 26 | Double diffusive convection due to a horizontal wavy surface in a porous medium. , 2012, , .   |     | 2         |
| 27 | A Comparative Study of Thermoconvective Flows of a Newtonian Fluid Over Three Horizontal Undulated Surfaces in a Porous Medium. <i>Journal of Heat Transfer</i> , 2022, 144, .                     | 2.1 | 2         |
| 28 | A New Series Solution Applicable to a Class of Boundary Layer Equations with Exponential Decay in Solution. <i>International Journal of Applied and Computational Mathematics</i> , 2020, 6, 1.    | 1.6 | 1         |
| 29 | Heat Transfer in a Nanoliquid Flow Due to a Permeable Quadratically Stretching Sheet. <i>Advances in Sustainability Science and Technology</i> , 2021, , 307-328.                                  | 0.6 | 0         |
| 30 | Numerical investigation of ferromagnetic liquid film flow over an unsteady stretching surface in the presence of radiation and aligned magnetic field. <i>Heat Transfer</i> , 2022, 51, 4268-4285. | 3.0 | 0         |