

Gireesha Bj

List of Publications by Year in descending order

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54
papers

1,346
citations

394421

19
h-index

395702

33
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all docs

55
docs citations

55
times ranked

736
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of chemical reaction on MHD boundary layer flow and melting heat transfer of Williamson nanofluid in porous medium. <i>Engineering Science and Technology, an International Journal</i> , 2016, 19, 53-61.	3.2	159
2	Marangoni convective MHD flow of SWCNT and MWCNT nanoliquids due to a disk with solar radiation and irregular heat source. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017, 94, 25-30.	2.7	113
3	MHD flow of SWCNT and MWCNT nanoliquids past a rotating stretchable disk with thermal and exponential space dependent heat source. <i>Physica Scripta</i> , 2019, 94, 085214.	2.5	93
4	Entropy generation analysis of magneto-nanoliquids embedded with aluminium and titanium alloy nanoparticles in microchannel with partial slips and convective conditions. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019, 29, 3638-3658.	2.8	67
5	MHD three dimensional double diffusive flow of Casson nanofluid with buoyancy forces and nonlinear thermal radiation over a stretching surface. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2017, 27, 2858-2878.	2.8	57
6	Nonlinear three-dimensional stretched flow of an Oldroyd-B fluid with convective condition, thermal radiation, and mixed convection. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2017, 38, 969-980.	3.6	53
7	Significance of buoyancy and Lorentz forces on water-conveying iron(III) oxide and silver nanoparticles in a rectangular cavity mounted with two heated fins: heat transfer analysis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 144, 2369.	3.6	52
8	Impact of nonlinear thermal radiation on magnetohydrodynamic three dimensional boundary layer flow of Jeffrey nanofluid over a nonlinearly permeable stretching sheet. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 549, 124051.	2.6	51
9	Performance of second law in Carreau fluid flow by an inclined microchannel with radiative heated convective condition. <i>International Communications in Heat and Mass Transfer</i> , 2020, 117, 104761.	5.6	41
10	Nonlinear Gravitational and Radiation Aspects in Nanoliquid with Exponential Space Dependent Heat Source and Variable Viscosity. <i>Microgravity Science and Technology</i> , 2018, 30, 257-264.	1.4	40
11	Entropy generation and heat transport analysis of Casson fluid flow with viscous and Joule heating in an inclined porous microchannel. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2019, 233, 1173-1184.	2.5	40
12	Influence of Thermophoretic Particle Deposition on the 3D Flow of Sodium Alginate-Based Casson Nanofluid over a Stretching Sheet. <i>Micromachines</i> , 2021, 12, 1474.	2.9	39
13	Brinkman-Forchheimer flow of SWCNT and MWCNT magneto-nanoliquids in a microchannel with multiple slips and Joule heating aspects. <i>Multidiscipline Modeling in Materials and Structures</i> , 2018, 14, 769-786.	1.3	38
14	Investigation of Ti_6Al_4V and AA7075 alloy embedded nanofluid flow over longitudinal porous fin in the presence of internal heat generation and convective condition. <i>Communications in Theoretical Physics</i> , 2020, 72, 025004.	2.5	35
15	Thermal and entropy generation of non-Newtonian magneto-Carreau fluid flow in microchannel. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 2717-2727.	3.6	31
16	Second law analysis of Powell-Eyring fluid flow through an inclined microchannel with thermal radiation. <i>Physica Scripta</i> , 2019, 94, 125205.	2.5	27
17	Thermodynamics Analysis of a Casson Nanofluid Flow Through a Porous Microchannel in the Presence of Hydrodynamic Slip: A Model of Solar Radiation. <i>Journal of Nanofluids</i> , 2019, 8, 63-72.	2.7	26
18	Heat transfer and entropy generation analysis of non-Newtonian flu flow through vertical microchannel with convective boundary condition. <i>Applied Mathematics and Mechanics (English)</i> Tj ETQq0 0 0 rgB3.6 Overlock 240 Tf 50	3.6	24

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19	MHD micropolar nanofluid flow through an inclined channel with entropy generation subjected to radiative heat flux, viscous dissipation and multiple slip effects. <i>Multidiscipline Modeling in Materials and Structures</i> , 2020, 16, 1475-1496.	1.3	22
20	Combined Effect of Joule Heating and Viscous Dissipation on MHD Three Dimensional Flow of a Jeffrey Nanofluid. <i>Journal of Nanofluids</i> , 2017, 6, 300-310.	2.7	22
21	The Impact of Cattaneo-Christov Double Diffusion on Oldroyd-B Fluid Flow over a Stretching Sheet with Thermophoretic Particle Deposition and Relaxation Chemical Reaction. <i>Inventions</i> , 2021, 6, 95.	2.5	21
22	Analysis of Heat Transfer Phenomenon in Magnetohydrodynamic Casson Fluid Flow Through Cattaneo-Christov Heat Diffusion Theory. <i>Communications in Theoretical Physics</i> , 2017, 68, 91.	2.5	20
23	Finite element analysis of micropolar nanofluid flow through an inclined microchannel with thermal radiation. <i>Multidiscipline Modeling in Materials and Structures</i> , 2020, 16, 1521-1538.	1.3	19
24	Intrinsic irreversibility of $Al_2O_3-H_2O$ nanofluid Poiseuille flow with variable viscosity and convective cooling. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2021, 31, 2042-2063.	2.8	18
25	Performance of water, ethylene glycol, engine oil conveying SWCNT-MWCNT nanoparticles over a cylindrical fin subject to magnetic field and heat generation. <i>International Journal of Modelling and Simulation</i> , 2022, 42, 936-945.	3.3	18
26	Triple diffusive flow of nanofluid with buoyancy forces and nonlinear thermal radiation over a horizontal plate. <i>Heat Transfer - Asian Research</i> , 2018, 47, 957-973.	2.8	16
27	Effect of NP shapes on Fe_3O_4-Ag /kerosene and Fe_3O_4-Ag /water hybrid nanofluid flow in suction/injection process with nonlinear-thermal-radiation and slip condition; Hamilton and Crosser's model. <i>Waves in Random and Complex Media</i> . 0, , 1-22.	2.7	16
28	Second law analysis of MHD natural convection slip flow of Casson fluid through an inclined microchannel. <i>Multidiscipline Modeling in Materials and Structures</i> , 2020, 16, 1435-1455.	1.3	15
29	Entropy generation analysis of nanofluid flow through microchannel considering heat source and different shapes of nanoparticle. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2020, 30, 1457-1477.	2.8	13
30	Impact of Hall and Ion effects on MHD couple stress nanofluid flow through an inclined channel subjected to convective, hydraulic slip, heat generation, and thermal radiation. <i>Heat Transfer</i> , 2020, 49, 3314-3333.	3.0	13
31	Second law analysis on Hall effect of natural convection flow through vertical channel in the presence of uniform heat source/sink. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2020, 30, 4403-4423.	2.8	10
32	Thermal exploration of radial porous fin fully wetted with SWCNTs and MWCNTs along with temperature-dependent internal heat generation. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2020, 234, 4945-4952.	2.1	10
33	Irreversibility analysis of micropolar nanofluid flow using Darcy-Forchheimer rule in an inclined microchannel with multiple slip effects. <i>Heat Transfer</i> , 2022, 51, 5834-5856.	3.0	10
34	Repercussion of Hall current, no-slip, and Newton boundary condition on the thermal energy of the Carreau fluid in a microchannel. <i>International Journal of Ambient Energy</i> , 2022, 43, 4789-4800.	2.5	9
35	Entropy generation analysis of multi-walled carbon nanotube dispersed nanofluid in the presence of heat source through a vertical microchannel. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2020, 30, 5063-5085.	2.8	8
36	Magnetohydrodynamic flow of Williamson fluid in a microchannel for both horizontal and inclined loci with wall shear properties. <i>Heat Transfer</i> , 2021, 50, 1428-1442.	3.0	8

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37	Entropy scrutiny of couple stress nanoliquid flow with slip and convective conditions in an upright microchannel. <i>Physica Scripta</i> , 2021, 96, 045302.	2.5	8
38	Thermal stresses and efficiency analysis of a radial porous fin with radiation and variable thermal conductivity and internal heat generation. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 4751-4762.	3.6	8
39	Entropy generation analysis of radiative Williamson fluid flow in an inclined microchannel with multiple slip and convective heating boundary effects. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 0, , 095440892110498.	2.5	8
40	Third grade fluid flow in a microchannel crammed with permeable media liable to non-linear thermal radiation. <i>International Journal of Ambient Energy</i> , 0, , 1-10.	2.5	7
41	Second law analysis of MHD Carreau fluid flow through a microchannel with thermal radiation. <i>Waves in Random and Complex Media</i> , 0, , 1-25.	2.7	7
42	Timeâ€dependent flow due to noncoaxial rotation of an infinite vertical surface subjected to an exponential spaceâ€dependent heat source: An exact analysis. <i>Heat Transfer - Asian Research</i> , 2019, 48, 3162-3185.	2.8	6
43	Exploration of irreversibility and thermal motion of a nanoliquid with the Newton boundary condition by using the Darcyâ€Forchheimer rule. <i>Heat Transfer</i> , 2021, 50, 3176-3195.	3.0	6
44	Compressed Flow of Hybridized Nanofluid Entwined Between Two Rotating Plates Exposed to Radiation. <i>Journal of Nanofluids</i> , 2021, 10, 186-199.	2.7	6
45	Analysis of second law on Eyringâ€Powell nanoliquid flow in a vertical microchannel considering magnetic field and convective boundary. <i>Heat Transfer</i> , 2021, 50, 313-328.	3.0	6
46	Investigation of irreversibilities in a microchannel by differing viscosity, including buoyancy forces and suction/injection. <i>Heat Transfer</i> , 2021, 50, 3620-3640.	3.0	6
47	Irreversibility analysis of nanofluid flow in a vertical microchannel with the influence of particle shape. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2021, 235, 312-320.	2.5	5
48	Magnetohydrodynamics Eyringâ€Powell fluid in a vertical porous microchannel with convective boundary condition subjected to entropy generation. <i>Heat Transfer</i> , 2021, 50, 2525-2542.	3.0	4
49	Planar Couette flow of power law nanofluid with chemical reaction, nanoparticle injection and variable thermal conductivity. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 0, , 095440622110590.	2.1	3
50	Significance of increasing Lorentz force and buoyancy force on the dynamics of water conveying SWCNT and MWCNT nanoparticles through a vertical microchannel. <i>Physica Scripta</i> , 2021, 96, 085209.	2.5	2
51	Chemically reactive and radiative flow of ferroâ€aluminum (AA7075) hybrid nanofluid past a stretching cylinder. <i>Heat Transfer</i> , 2021, 50, 7406.	3.0	2
52	Numerical treatment for Casson liquid flow in a microchannel due to porous medium: A hybrid nanoparticles aspects. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2022, 236, 1293-1303.	2.1	2
53	Scrutinization of thermodynamic second law for the steady flow of couple stress nanofluid in an inclined microchannel by varying thermal conductivity. <i>Heat Transfer</i> , 2022, 51, 3636-3655.	3.0	2
54	Time-Reliant Flow of Casson Nanofluid with Gyrotactic Microbes through the Contracting/Dilating Walls of the Microchannel Impelled by Chemical Reactions. <i>Brazilian Journal of Physics</i> , 2022, 52, .	1.4	2