

# Kotha Gangadhar

## List of Publications by Year in descending order

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68  
papers

1,110  
citations

567281

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501196

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68  
all docs

68  
docs citations

68  
times ranked

348  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear radiations in chemically reactive Walter's B nanoliquid flow through a rotating cone. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2023, 237, 731-739.	2.5	15
2	On spectral relaxation approach for Soret and Dufour effects on Sutterby fluid past a stretching sheet. International Journal of Ambient Energy, 2022, 43, 500-507.	2.5	9
3	Effects of Newtonian heating on the boundary layer flow of non-Newtonian magnetohydrodynamic nanofluid over a stretched plate using spectral relaxation method. International Journal of Ambient Energy, 2022, 43, 1248-1261.	2.5	7
4	A series-form solution of the coupled nonlinear equations by the method of directly defined inverse mapping and SRM. International Journal of Ambient Energy, 2022, 43, 1345-1354.	2.5	3
5	Buoyancy effect on mixed convection boundary layer flow of Casson fluid over a non linear stretched sheet using the spectral relaxation method. International Journal of Ambient Energy, 2022, 43, 1994-2002.	2.5	12
6	Cattaneo's Christov heat flux theory on transverse MHD Oldroyd-B liquid over nonlinear stretched flow. Journal of Thermal Analysis and Calorimetry, 2022, 147, 2749-2759.	3.6	62
7	Novel technique MDDIM solutions of MHD flow and radiative Prandtl-Eyring fluid over a stretching sheet with convective heating. International Journal of Ambient Energy, 2022, 43, 4850-4859.	2.5	8
8	Sutterby fluid flow past a stretching sheet embedded in a porous media with viscous dissipation. International Journal of Ambient Energy, 2022, 43, 5247-5257.	2.5	10
9	Stefan blowing on chemically reactive nano-fluid flow containing gyrotactic microorganisms with leading edge accretion (or) ablation and thermal radiation. Indian Journal of Physics, 2022, 96, 2827-2840.	1.8	20
10	Characterization of Single-grit Grooving Process of Silicon Carbide Ceramic Using Multisensory Approach. Silicon, 2022, 14, 5563-5575.	3.3	1
11	EMHD Flow of Radiative Second-Grade Nanofluid over a Riga Plate due to Convective Heating: Revised Buongiorno's Nanofluid Model. Arabian Journal for Science and Engineering, 2022, 47, 8093-8103.	3.0	70
12	Hall and ion slip effects on MHD natural convective flow past an unbounded vertical porous channel with thermodiffusion. Heat Transfer, 2022, 51, 1501-1523.	3.0	2
13	Oldroyd-B Nanoliquid Flow Through a Triple Stratified Medium Submerged with Gyrotactic Bioconvection and Nonlinear Radiations. Arabian Journal for Science and Engineering, 2022, 47, 8863-8875.	3.0	41
14	Biconvective transport of magnetized couple stress fluid over a radiative paraboloid of revolution. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2022, 236, 1661-1670.	2.5	31
15	Magnetization for Burgers's Fluid Subject to Convective Heating and Heterogeneous-Homogeneous Reactions. Mathematical Problems in Engineering, 2022, 2022, 1-15.	1.1	17
16	MHD Flow Analysis of a Williamson Nanofluid due to Thomson and Troian Slip Condition. International Journal of Applied and Computational Mathematics, 2022, 8, 1.	1.6	8
17	An analytical solution for radioactive MHD flow $TiO_2-Fe_3O_4/H_2O$ nanofluid and its biological applications. International Journal of Ambient Energy, 2022, 43, 7576-7587.	2.5	8
18	Shape effects on 3D MHD micropolar Au-MgO/blood hybrid nanofluid with Joule Heating. International Journal of Ambient Energy, 2022, 43, 8428-8437.	2.5	2

#	ARTICLE	IF	CITATIONS
19	Numerical analysis for steady boundary layer flow of Maxwell fluid over a stretching surface embedded in a porous medium with viscous dissipation using the spectral relaxation method. International Journal of Ambient Energy, 2021, 42, 1492-1498.	2.5	3
20	Thermo diffusion effects on MHD Casson fluid flow over non-flatness stretching surface: Keller box method. International Journal of Ambient Energy, 2021, 42, 374-382.	2.5	8
21	Microstructure and inertial characteristic of a magnetite Ferro fluid over a stretched sheet embedded in a porous medium with viscous dissipation using the spectral quasi-linearisation method. International Journal of Ambient Energy, 2021, 42, 769-778.	2.5	4
22	Dual solutions for MHD Casson fluid over a shrinking sheet with Newtonian heating. International Journal of Ambient Energy, 2021, 42, 331-339.	2.5	11
23	Bioconvection in a Convectonal Nanofluid Flow Containing Gyrotactic Microorganisms over an Isothermal Vertical Cone Embedded in a Porous Surface with Chemical Reactive Species. Arabian Journal for Science and Engineering, 2021, 46, 2493-2503.	3.0	68
24	Entropy generation analysis of electrical magnetohydrodynamic flow of $TiO_2-Cu/H_2O$ hybrid nanofluid with partial slip. International Journal of Numerical Methods for Heat and Fluid Flow, 2021, 31, 1905-1929.	2.8	8
25	Thermal Slip Flow of a Three-Dimensional Casson Fluid Embedded in a Porous Medium with Internal Heat Generation. Journal of Nanofluids, 2021, 10, 58-66.	2.7	8
26	Entropy minimization on magnetized Boussinesq couple stress fluid with non-uniform heat generation. Physica Scripta, 2021, 96, 095205.	2.5	22
27	Nonlinear radiation on Maxwell fluid in a convective heat transfer with viscous dissipation and activation energy. Heat Transfer, 2021, 50, 7363-7379.	3.0	5
28	Thermal Transport of Magnetized $Cu-Fe_3O_4$ /water Hybrid Nanofluid over a Curved Surface. International Journal of Applied and Computational Mathematics, 2021, 7, 1.	1.6	5
29	Nodal/Saddle Stagnation Point Slip Flow of an Aqueous Convectonal Magnesium Oxide-Gold Hybrid Nanofluid with Viscous Dissipation. Arabian Journal for Science and Engineering, 2021, 46, 2701-2710.	3.0	68
30	Unsteady free convective boundary layer flow of a nanofluid past a stretching surface using a spectral relaxation method. International Journal of Ambient Energy, 2020, 41, 609-616.	2.5	41
31	Boundary layer flow of nanofluids to analyse the heat absorption/generation over a stretching sheet with variable suction/injection in the presence of viscous dissipation. International Journal of Ambient Energy, 2020, 41, 969-980.	2.5	20
32	Effects of Newtonian heating and thermal radiation on micropolar ferrofluid flow past a stretching surface: Spectral quasi-linearization method. Heat Transfer, 2020, 49, 838-857.	3.0	12
33	Transverse MHD flow of $Al_2O_3-Cu/H_2O$ hybrid nanofluid with active radiation: A novel hybrid model. Mathematical Methods in the Applied Sciences, 2020, , .	2.3	20
34	Analytical Investigation on CNT Based Maxwell Nano-fluid with Cattaneo-Christov Heat Flux Due to Thermal Radiation. International Journal of Applied and Computational Mathematics, 2020, 6, 1.	1.6	7
35	Internal heat generation on bioconvection of an MHD nanofluid flow due to gyrotactic microorganisms. European Physical Journal Plus, 2020, 135, 1.	2.6	102
36	On Spectral Relaxation Approach for Thermal Diffusion and Diffusion Thermo Effects on Viscous Dissipative Casson Fluid Through a Stretched Surface. International Journal of Applied and Computational Mathematics, 2020, 6, 1.	1.6	1

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37	MHD rotating flow of a Maxwell fluid with Arrhenius activation energy and non-Fourier heat flux model. Heat Transfer, 2020, 49, 2209-2227.	3.0	34
38	Newtonian heating effect on laminar flow of Casson fluids: Thermal analysis. Heat Transfer, 2020, 49, 2390-2405.	3.0	10
39	Entropy generation on convectively heated surface of casson fluid with viscous dissipation. Physica Scripta, 2020, 95, 115203.	2.5	18
40	Steady Boundary Layer Flow of Casson Fluid over a Nonlinear Stretched Sheet in Presence of Viscous Dissipation Using the Spectral Relaxation Method. Mathematical Modelling of Engineering Problems, 2020, 7, 351-358.	0.5	2
41	Entropy Generation in Magnetized Bioconvective Nanofluid Flow Along a Vertical Cylinder with Gyrotactic Microorganisms. Journal of Nanofluids, 2020, 9, 302-312.	2.7	14
42	Mixed Convection Boundary Layer Flow of Non-Newtonian Nanofluid Using the Spectral Quasi Linearization. Mathematical Modelling of Engineering Problems, 2020, 7, 45-54.	0.5	1
43	Boundary layer flow of radioactive non-Newtonian nanofluid embedded in a porous medium over a stretched sheet using the spectral relaxation method. Materials Today: Proceedings, 2019, 19, 2672-2680.	1.8	9
44	Effect of thermal radiation on engine oil nanofluid flow over a permeable wedge under convective heating. Multidiscipline Modeling in Materials and Structures, 2019, 15, 187-205.	1.3	27
45	THERMAL DIFFUSION AND VISCOUS DISSIPATION EFFECTS ON MAGNETOHYDRODYNAMIC HEAT AND MASS FILLED WITH TiO <sub>2</sub> AND Al <sub>2</sub> O <sub>3</sub> WATER BASED NANOFUIDS. Computational Thermal Sciences, 2019, 11, 523-539.	0.9	4
46	A computational analysis for boundary layer flow of magneto hydrodynamic tangent hyperbolic fluid of heat and mass transfer past a stretching cylinder with suction/injection using spectral relaxation method. Mathematical Modelling of Engineering Problems, 2019, 6, 38-46.	0.5	2
47	Slip Flow of an Unsteady Nanofluid Past a Stretching Surface in a Transverse Magnetic Field Using SRM. Defect and Diffusion Forum, 2018, 387, 562-574.	0.4	2
48	Records Surveys and the Management of Public Registry. International Journal of Engineering and Technology(UAE), 2018, 7, 261.	0.3	0
49	On Spectral Relaxation Approach to Radiating Powell-Eyring Fluid Flow over a Stretching Disk with Newtonian Heating. Defect and Diffusion Forum, 2018, 387, 461-473.	0.4	3
50	A spectral relaxation method for three-dimensional MHD flow of nanofluid flow over an exponentially stretching sheet due to convective heating: an application to solar energy. Indian Journal of Physics, 2018, 92, 1577-1588.	1.8	44
51	A SPECTRAL RELAXATION APPROACH FOR DIFFUSION THERMO EFFECT ON TANGENT HYPERBOLIC FLUID PAST A STRETCHING SURFACE IN THE PRESENCE OF CHEMICAL REACTION AND CONVECTIVE BOUNDARY CONDITION. Computational Thermal Sciences, 2018, 10, 389-403.	0.9	7
52	Magnetohydrodynamic micropolar nanofluid past a permeable stretching/shrinking sheet with Newtonian heating. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 4379-4391.	1.6	75
53	MHD micropolar fluid flow over a stretching permeable sheet in the presence of thermal radiation and thermal slip flow: a numerical study. IOP Conference Series: Materials Science and Engineering, 2017, 263, 062010.	0.6	3
54	Effect of viscous dissipation of a magneto hydrodynamic micropolar fluid with momentum and temperature dependent slip flow. IOP Conference Series: Materials Science and Engineering, 2017, 263, 062011.	0.6	0

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55	Micropolar Fluid Past A Stretching Surface with Viscous Dissipation in A Non-Darcy Porous Medium Under Slip Velocity. Research Journal of Science and Technology, 2017, 9, 549.	0.6	0
56	MHD boundary layer flow of Casson nanofluid over a vertical exponentially stretching cylinder under Newtonian heating. Research Journal of Pharmacy and Technology, 2017, 10, 998.	0.8	0
57	Radiation and Viscous Dissipation Effects on Laminar Boundary Layer Flow Nanofluid over a Vertical Plate with a Convective Surface Boundary Condition with Suction. Journal of Applied Fluid Mechanics, 2016, 9, 2097-2103.	0.2	5
58	Radiation and Mass Transfer Effects on MHD Oscillatory Flow in a Channel Filled with Porous Medium in the Presence of Chemical Reaction. Journal of Applied Fluid Mechanics, 2015, 8, 529-537.	0.2	15
59	Radiation, Heat Generation and Viscous Dissipation Effects on MHD Boundary Layer Flow for the Blasius and Sakiadis Flows with a Convective Surface Boundary Condition. Journal of Applied Fluid Mechanics, 2015, 8, 559-570.	0.2	14
60	Heat generation effects on MHD boundary layer flow of a moving vertical plate with suction. Journal of Naval Architecture and Marine Engineering, 2012, 9, 153-162.	1.2	3
61	MHD Flow of a Carreau Fluid Past a Stretching Cylinder with Cattaneo-Christov Heat Flux Using Spectral Relaxation Method. Defect and Diffusion Forum, 0, 387, 91-105.	0.4	26
62	Effect of Viscous Dissipation on Upper - Convected Maxwell Fluid with Cattaneo-Christov Heat Flux Model Using Spectral Relaxation Method. Defect and Diffusion Forum, 0, 388, 146-157.	0.4	4
63	Spectral Relaxation Method for Powell-Eyring Fluid Flow Past a Radially Stretching Heated Disk Surface in a Porous Medium. Defect and Diffusion Forum, 0, 387, 575-586.	0.4	8
64	Bioconvective magnetized oldroyd-B nanofluid flow in the presence of Joule heating with gyrotactic microorganisms. Waves in Random and Complex Media, 0, , 1-21.	2.7	25
65	Entropy analysis in a secondâ€grade nanoliquid influenced by an exponential spaceâ€dependent heat source and Arrhenius activation energy. Heat Transfer, 0, , .	3.0	1
66	Thermal energy transport of radioactive nanofluid flow submerged with microorganisms with zero mass flux condition. Waves in Random and Complex Media, 0, , 1-23.	2.7	15
67	Magnetization of nanofluid due to convectively heated bended surface with space-dependent heat generation. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 0, , 095440892211079.	2.5	0
68	Double Diffusion Effects on Hybridity of Cu-Al <sub>2</sub> O <sub>3</sub> /water Nanofluid with Viscous Heating. International Journal of Ambient Energy, 0, , 1-25.	2.5	0