Kotha Gangadhar

List of Publications by Year
in descending order

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68	1,110	567281 15	501196 28
papers	citations	h-index	g-index

68	68	68	348
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Internal heat generation on bioconvection of an MHD nanofluid flow due to gyrotactic microorganisms. European Physical Journal Plus, 2020, 135, 1.	2.6	102
2	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
3	EMHD Flow of Radiative Second-Grade Nanofluid over a Riga Plate due to Convective Heating: Revised Buongiornoâ€™s Nanofluid Model. Arabian Journal for Science and Engineering, 2022, 47, 8093-8103.	3.0	70
4	Bioconvection in a Convectional 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
5	Nodal/Saddle Stagnation Point Slip Flow of an Aqueous Convectional Magnesium Oxideâ€“Gold Hybrid Nanofluid with Viscous Dissipation. Arabian Journal for Science and Engineering, 2021, 46, 2701-2710.	3.0	68
6	Cattaneoâ€“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	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
8	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
9	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
10	MHD rotating flow of a Maxwell fluid with Arrhenius activation energy and nonâ€Fourier heat flux model. Heat Transfer, 2020, 49, 2209-2227.	3.0	34
11	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
12	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
13	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
14	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
15	Entropy minimization on magnetized Boussinesq couple stress fluid with non-uniform heat generation. Physica Scripta, 2021, 96, 095205.	2.5	22
16	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
17	Transverse MHD flow of Al 2 O 3 â€Cu/H 2 O hybrid nanofluid with active radiation: A novel hybrid model. Mathematical Methods in the Applied Sciences, 2020, , .	2.3	20
18	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

#	Article	IF	Citations
19	Entropy generation on convectively heated surface of casson fluid with viscous dissipation. Physica Scripta, 2020, 95, 115203.	2.5	18
20	Magnetization for Burgersâ€™ Fluid Subject to Convective Heating and Heterogeneous-Homogeneous Reactions. Mathematical Problems in Engineering, 2022, 2022, 1-15.	1.1	17
21	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
22	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
23	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
24	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
25	Entropy Generation in Magnetized Bioconvective Nanofluid Flow Along a Vertical Cylinder with Gyrotactic Microorganisms. Journal of Nanofluids, 2020, 9, 302-312.	2.7	14
26	Effects of Newtonian heating and thermal radiation on micropolar ferrofluid flow past a stretching surface: Spectral quasiâ€linearization method. Heat Transfer, 2020, 49, 838-857.	3.0	12
27	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
28	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
29	Newtonian heating effect on laminar flow of Casson fluids: Thermal analysis. Heat Transfer, 2020, 49, 2390-2405.	3.0	10
30	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
31	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
32	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
33	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
34	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
35	Entropy generation analysis of electrical magnetohydrodynamic flow of TiO₂-Cu/H₂O hybrid nanofluid with partial slip. International Journal of Numerical Methods for Heat and Fluid Flow, 2021, 31, 1905-1929.	2.8	8
36	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

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37	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
38	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
39	An analytical solution for radioactive MHD flow TiO₂â€“Fe₃O₄/H₂O nanofluid and its biological applications. International Journal of Ambient Energy, 2022, 43, 7576-7587.	2.5	8
40	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
41	Analytical Investigation on CNT Based Maxwell Nano-fluid with Cattaneoâ€“Christov Heat Flux Due to Thermal Radiation. International Journal of Applied and Computational Mathematics, 2020, 6, 1.	1.6	7
42	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
43	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
44	Thermal Transport of Magnetized $$mathrm{Cu}-{mathrm{Fe}}_{3}{mathrm{O}}_{4}$$/water Hybrid Nanofluid over a Curved Surface. International Journal of Applied and Computational Mathematics, 2021, 7, 1.	1.6	5
45	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
46	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
47	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
48	THERMAL DIFFUSION AND VISCOUS DISSIPATION EFFECTS ON MAGNETOHYDRODYNAMIC HEAT AND MASS FILLED WITH TiO2 AND Al2O3 WATER BASED NANOFLUIDS. Computational Thermal Sciences, 2019, 11, 523-539.	0.9	4
49	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
50	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
51	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
52	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
53	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
54	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

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55	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
56	Hall and ionâ€slip effects on MHD natural convective flow past an unbounded vertical porous channel with thermodiffusion. Heat Transfer, 2022, 51, 1501-1523.	3.0	2
57	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
58	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
59	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
60	Characterization of Single-grit Grooving Process of Silicon Carbide Ceramic Using Multisensory Approach. Silicon, 2022, 14, 5563-5575.	3.3	1
61	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
62	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
63	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
64	Records Surveys and the Management of Public Registry. International Journal of Engineering and Technology(UAE), 2018, 7, 261.	0.3	0
65	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
66	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
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-Al₂O₃/water Nanofluid with Viscous Heating. International Journal of Ambient Energy, 0, , 1-25.	2.5	0