Mrutyunjay Das

List of Publications by Year
in descending order

27 papers	471 citations	687363 13 h-index	713466 21 g-index
27 all docs	27 docs citations	27 times ranked	304 citing authors

#	Article	IF	Citations
1	Magnetohydrodynamic mixed convection in a non‐Newtonian third‐grade fluid flowing through vertical parallel plates: A semianalytical study of flow and heat transfer. Heat Transfer, 2022, 51, 3373-3400.	3.0	3
2	Inclined magnetic field and nonlinear thermal radiation effects on nanofluids flow with homogeneous-heterogeneous reactions. AIP Conference Proceedings, 2022, , .	0.4	6
3	Effect of non-linear radiation on catalytic MHD flow of ND-Co3O4/EG hybrid nanofluid with slip conditions. AIP Conference Proceedings, 2022, , .	0.4	1
4	Entropy generation on unsteady stagnation‐point Casson nanofluid flow past a stretching sheet in a porous medium under the influence of an inclined magnetic field with homogeneous and heterogeneous reactions. Heat Transfer, 2022, 51, 5723-5747.	3.0	22
5	Entropy analysis of a 3D nonlinear radiative hybrid nanofluid flow between two parallel stretching permeable sheets with slip velocities. International Journal of Ambient Energy, 2022, 43, 8710-8721.	2.5	18
6	Thermal dispersed homogeneous‐heterogeneous reaction within MHD flow of a Jeffrey fluid in the presence of Newtonian cooling and nonlinear thermal radiation. Heat Transfer, 2021, 50, 5744-5759.	3.0	7
7	Thermal characteristics of forced convection in combined pressure and shear‐driven flow of a non‐Newtonian third‐grade fluid through parallel plates. Heat Transfer, 2021, 50, 6737-6756.	3.0	5
8	Hall effect on MHD transient free convection flow of chemically reactive Casson fluid with heat source/sink past an infinite vertical cylinder. Physica Scripta, 2021, 96, 015207.	2.5	9
9	Entropy analysis on nonlinear radiative MHD flow of Diamond-Co3O4/ethylene glycol hybrid nanofluid with catalytic effects. International Communications in Heat and Mass Transfer, 2021, 129, 105704.	5.6	36
10	Irreversibility Analysis of 3D Magnetohydrodynamic Casson Nanofluid Flow Past Through Two Bi-Directional Stretching Surfaces with Nonlinear Radiation. Journal of Nanofluids, 2021, 10, 316-326.	2.7	12
11	Thermo-Double Diffusion Radiation Effects on the flow of Casson fluid in the Presence of Porous Media and Magnetic field over a stretching Sheet. , 2020, , .		2
12	Effect of suction/blowing on heat-absorbing unsteady radiative Casson fluid past a semi-infinite flat plate with conjugate heating and inclined magnetic field. Pramana - Journal of Physics, 2020, 94, 1.	1.8	10
13	Heat and mass transfer effect on an unsteady MHD radiative chemically reactive Casson fluid over a stretching sheet in porous medium. Heat Transfer, 2020, 49, 4350-4369.	3.0	21
14	MHD Double‐diffusive thermosolutal Marangoni convection non‐Newtonian Casson fluid flow over a permeable stretchable sheet. Heat Transfer, 2020, 49, 1788-1807.	3.0	18
15	Performance assessment of WRF model in simulating the very severe cyclonic storm "TITLI" in the Bay of Bengal: A case study. Dynamics of Atmospheres and Oceans, 2019, 88, 101106.	1.8	7
16	Unsteady MHD chemically reactive double‐diffusive Casson fluid past a flat plate in porous medium with heat and mass transfer. Heat Transfer - Asian Research, 2019, 48, 1761-1777.	2.8	35
17	Thermal and solutal Marangoni stagnation point Casson fluid flow over a stretching sheet in the presence of radiation, Soret and Dofour effect with chemical reaction. Heat Transfer - Asian Research, 2019, 48, 323-342.	2.8	22
18	Hydromagnetic flow of a heat radiating chemically reactive casson nanofluid past a stretching sheet with convective boundary conditions. AIP Conference Proceedings, 2018, , .	0.4	6

#	Article	IF	Citations
19	Double-diffusive mixed convection flow towards a convectively heated stretching sheet with non-linear thermal radiation. International Journal of Heat and Technology, 2018, 36, 1015-1024.	0.6	4
20	Hydromagnetic Heat and Mass Transfer Flow of a Casson Fluid Over an Unsteady Stretching Surface with Convective Boundary Condition. Journal of Nanofluids, 2017, 6, 282-291.	2.7	11
21	MHD Stagnation Point Flow of a Nanofluid with Velocity Slip, Non-linear Radiation and Newtonian Heating. Procedia Engineering, 2015, 127, 1010-1017.	1.2	19
22	Mixed Convection and Nonlinear Radiation in the Stagnation Point Nanofluid flow towards a Stretching Sheet with Homogenous-Heterogeneous Reactions effects. Procedia Engineering, 2015, 127, 1018-1025.	1.2	33
23	Newtonian heating effect on unsteady hydromagnetic Casson fluid flow past a flat plate with heat and mass transfer. AEJ - Alexandria Engineering Journal, 2015, 54, 871-879.	6.4	93
24	MHD free convective radiative flow past a flat plate with ramped temperature in the presence of an inclined magnetic field. Computational and Applied Mathematics, 2015, 34, 109-123.	1.3	15
25	Unsteady MHD free convection flow of a heat absorbing dusty fluid past a flat plate with ramped wall temperature. Afrika Matematika, 2014, 25, 779-798.	0.8	19
26	Unsteady Hydromagnetic Heat and Mass Transfer Flow of a Heat Radiating and Chemically Reactive Fluid Past a Flat Porous Plate with Ramped Wall Temperature. Mathematical Problems in Engineering, 2013, 2013, 1-12.	1.1	14
27	Exact solutions of unsteady MHD free convection in a heat absorbing fluid flow past a flat plate with ramped wall temperature. Boundary Value Problems, 2013, 2013, .	0.7	23