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	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
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	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
18	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

#	Article	IF	Citations
19	Performance assessment of WRF model in simulating the very severe cyclonic storm â€œTITLIâ€•in the Bay of Bengal: A case study. Dynamics of Atmospheres and Oceans, 2019, 88, 101106.	1.8	7
20	Thermal dispersed homogeneousâ€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
21	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
22	Inclined magnetic field and nonlinear thermal radiation effects on nanofluids flow with homogeneous-heterogeneous reactions. AIP Conference Proceedings, 2022, , .	0.4	6
23	Thermal characteristics of forced convection in combined pressure and shearâ€driven flow of a nonâ€Newtonian thirdâ€grade fluid through parallel plates. Heat Transfer, 2021, 50, 6737-6756.	3.0	5
24	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
25	Magnetohydrodynamic mixed convection in a nonâ€Newtonian thirdâ€grade fluid flowing through vertical parallel plates: A semianalytical study of flow and heat transfer. Heat Transfer, 2022, 51, 3373-3400.	3.0	3
26	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
27	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