Kalaivanan Raja

List of Publications by Year
in descending order

14 papers	293 citations	1163117 8 h-index	1199594 12 g-index
14 all docs	14 docs citations	14 times ranked	263 citing authors

#	Article	IF	Citations
1	Influence of inclined Lorentz forces on boundary layer flow of Casson fluid over an impermeable stretching sheet with heat transfer. Journal of Magnetism and Magnetic Materials, 2016, 401, 354-361.	2.3	63
2	An investigation on Arrhenius activation energy of second grade nanofluid flow with active and passive control of nanomaterials. Case Studies in Thermal Engineering, 2020, 22, 100774.	5.7	53
3	Effect of partial slip on hydromagnetic flow over a porous stretching sheet with non-uniform heat source/sink, thermal radiation and wall mass transfer. Ain Shams Engineering Journal, 2014, 5, 913-922.	6.1	49
4	Numerical study of heat generating Î³ AlOâ€" HO nanofluid inside a square cavity with multiple obstacles of different shapes. Heliyon, 2020, 6, e05752.	3.2	38
5	Buoyancy-driven convection of MWCNT â€" Casson nanofluid in a wavy enclosure with a circular barrier and parallel hot/cold fins. AEJ - Alexandria Engineering Journal, 2022, 61, 3249-3264.	6.4	25
6	Velocity slip effects on heat and mass fluxes of MHD viscousâ€"Ohmic dissipative flow over a stretching sheet with thermal radiation. Ain Shams Engineering Journal, 2016, 7, 791-797.	6.1	19
7	Effects of Aligned Magnetic Field on Slip Flow of Casson Fluid over a Stretching Sheet. Procedia Engineering, 2015, 127, 531-538.	1.2	18
8	Buoyancy driven second grade nano boundary layers over a catalytic surface with reaction rate, heat of reaction and activation energy at boundary. Case Studies in Thermal Engineering, 2021, 28, 101346.	5.7	9
9	Elastic Deformation Effects on Heat and Mass Fluxes of Second Grade Nanofluid Slip Flow Controlled by Aligned Lorentz Force. Journal of Nanofluids, 2018, 7, 325-337.	2.7	6
10	NANOFLUID SLIP FLOW THROUGH POROUS MEDIUM WITH ELASTIC DEFORMATION AND UNIFORM HEAT SOURCE/SINK EFFECTS. Computational Thermal Sciences, 2019, 11, 269-283.	0.9	6
11	Hydromagnetic axisymmetric slip flow along a vertical stretching cylinder with convective boundary condition. St Petersburg Polytechnic University Journal Physics and Mathematics, 2016, 2, 273-280.	0.3	3
12	EFFECT OF ELASTIC DEFORMATION ON NANO-SECOND GRADE FLUID FLOW OVER A STRETCHING SURFACE. Frontiers in Heat and Mass Transfer, 0, 10, .	0.2	3
13	Ohmic dissipation effect of Walterâ€™s-B fluids over a porous stretching sheet in the presence of inclined magnetic field. Journal of Physics: Conference Series, 2020, 1597, 012007.	0.4	1
14	Thermal radiation effects on Walter's Liquid B Fluid over a stretching surface in the presence of aligned magnetic field with prescribed heat flux. Advances in Applied Research, 2019, 11, 53.	0.1	0