Sudarsana Reddy

List of Publications by Year
in descending order

53 papers	2,113 citations	218677 26 h-index	254184 43 g-index
53 all docs	53 docs citations	53 times ranked	871 citing authors

#	Article	IF	Citations
1	Impact of chemical reaction and double stratification on heat and mass transfer characteristics of nanofluid flow over porous stretching sheet with thermal radiation. International Journal of Ambient Energy, 2022, 43, 1626-1636.	2.5	61
2	Heat and mass transfer analysis of nanofluid flow over swirling cylinder with Cattaneoâ€"Christov heat flux. Journal of Thermal Analysis and Calorimetry, 2022, 147, 3453-3468.	3.6	31
3	Effect of magnetic field and thermal radiation on natural convection in a square cavity filled with TiO2 nanoparticles using Tiwari-Das nanofluid model. AEJ - Alexandria Engineering Journal, 2022, 61, 1529-1541.	6.4	59
4	Maxwell nanofluid heat and mass transfer analysis over a stretching sheet. Heat Transfer, 2022, 51, 2905-2931.	3.0	2
5	Entropy generation and heat transfer analysis of magnetic nanofluid flow inside a square cavity filled with carbon nanotubes. Chemical Thermodynamics and Thermal Analysis, 2022, 6, 100045.	1.5	22
6	Impact of the Cattaneoâ€"Christov heat flux on heat and mass transfer analysis of a hybrid nanofluid flow over a vertical cone. International Journal of Ambient Energy, 2022, 43, 6919-6931.	2.5	5
7	Heat and mass transfer analysis of MWCNTâ€"kerosene nanofluid flow over a wedge with thermal radiation. Heat Transfer, 2021, 50, 10-33.	3.0	43
8	Buongiorno's model nanofluid natural convection inside a square cavity with thermal radiation. Chinese Journal of Physics, 2021, 72, 327-344.	3.9	40
9	Heat and mass transfer characteristics of radiative hybrid nanofluid flow over a stretching sheet with chemical reaction. Heat Transfer, 2021, 50, 2929-2949.	3.0	19
10	Effect of thermal radiation and volume fraction on carbon nanotubes based nanofluid flow inside a square chamber. AEJ - Alexandria Engineering Journal, 2021, 60, 1807-1817.	6.4	39
11	Entropy generation and heat transfer analysis of magnetic hybrid nanofluid inside a square cavity with thermal radiation. European Physical Journal Plus, 2021, 136, 1.	2.6	15
12	Effect of zero mass flux condition on heat and mass transfer analysis of nanofluid flow inside a cavity with magnetic field. European Physical Journal Plus, 2021, 136, 1.	2.6	12
13	Flow and heat transfer analysis of carbon nanotubes based nanofluid flow inside a cavity with modified Fourier heat flux. Physica Scripta, 2021, 96, 055215.	2.5	23
14	Entropy generation and heat transfer analysis of alumina and carbon nanotubes based hybrid nanofluid inside a cavity. Physica Scripta, 2021, 96, 085210.	2.5	35
15	Impact of heat generation/absorption on heat and mass transfer of nanofluid over rotating disk filled with carbon nanotubes. International Journal of Numerical Methods for Heat and Fluid Flow, 2021, 31, 2962-2985.	2.8	16
16	Effect of Cattaneo â€" Christov heat flux on heat and mass transfer characteristics of Maxwell hybrid nanofluid flow over stretching/shrinking sheet. Physica Scripta, 2021, 96, 125237.	2.5	25
17	A comparative study of Al_2O_3 and TiO_2 nanofluid flow over a wedge with non-linear thermal radiation. International Journal of Numerical Methods for Heat and Fluid Flow, 2020, 30, 1291-1317.	2.8	47
18	MHD boundary layer heat and mass transfer flow of nanofluid through porous media over inclined plate with chemical reaction. Multidiscipline Modeling in Materials and Structures, 2020, 17, 317-336.	1.3	17

#	Article	IF	Citations
19	A comparative analysis of unsteady and steady Buongiorno's Williamson nanoliquid flow over a wedge with slip effects. Chinese Journal of Chemical Engineering, 2020, 28, 1767-1777.	3.5	18
20	Heat and mass transfer analysis of unsteady hybrid nanofluid flow over a stretching sheet with thermal radiation. SN Applied Sciences, 2020, 2, 1.	2.9	131
21	Impact of slip effects on unsteady Sisko nanoliquid heat and mass transfer characteristics over stretching sheet filled with gold nanoparticles. Heat Transfer, 2020, 49, 2103-2130.	3.0	2
22	Impact of homogeneous–heterogeneous reactions on heat and mass transfer flow of Au–Eg and Ag–Eg Maxwell nanofluid past a horizontal stretched cylinder. Journal of Thermal Analysis and Calorimetry, 2020, 141, 533-546.	3.6	54
23	Impact of Convective Boundary Condition on Heat and Mass Transfer of Nanofluid Flow Over a Thin Needle Filled with Carbon Nanotubes. Journal of Nanofluids, 2020, 9, 282-292.	2.7	14
24	COMBINED INFLUENCE OF BROWNIAN MOTION AND THERMOPHORESIS ON MAXWELL THREE-DIMENSIONAL NANOFLUID FLOW OVER STRETCHING SHEET WITH CHEMICAL REACTION AND THERMAL RADIATION. Journal of Porous Media, 2020, 23, 327-340.	1.9	38
25	Effect of SWCNTs and MWCNTs Maxwell MHD nanofluid flow between two stretchable rotating disks under convective boundary conditions. Heat Transfer - Asian Research, 2019, 48, 4105-4132.	2.8	48
26	Carreau nanofluid heat and mass transfer flow through wedge with slip conditions and nonlinear thermal radiation. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	1.6	62
27	MHD boundary layer flow of SWCNT–water and MWCNT–water nanofluid over a vertical cone with heat generation/absorption. Heat Transfer - Asian Research, 2019, 48, 539-555.	2.8	11
28	Influence of magnetic field and thermal radiation on convective flow of SWCNTs-water and MWCNTs-water nanofluid between rotating stretchable disks with convective boundary conditions. Powder Technology, 2018, 331, 326-337.	4.2	61
29	Heat and mass transfer characteristics of nanofluid over horizontal circular cylinder. Ain Shams Engineering Journal, 2018, 9, 707-716.	6.1	24
30	Magneto-hydrodynamics heat and mass transfer analysis of single and multi-wall carbon nanotubes over vertical cone with convective boundary condition. International Journal of Mechanical Sciences, 2018, 135, 646-655.	6.7	103
31	Flow and heat transfer analysis of carbon nanotubes-based Maxwell nanofluid flow driven by rotating stretchable disks with thermal radiation. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	1.6	47
32	Heat and mass transfer enhancement of SWCNTs and MWCNTs based Maxwell nanofluid flow over a vertical cone with slip effects. Powder Technology, 2018, 340, 253-263.	4.2	37
33	HEAT AND MASS TRANSFER BOUNDARY-LAYER FLOW OVER A VERTICAL CONE THROUGH POROUS MEDIA FILLED WITH A Cu–WATER AND Ag–WATER NANOFLUID. Heat Transfer Research, 2018, 49, 119-143.	1.6	26
34	Heat and mass transfer analysis in natural convection flow of nanofluid over a vertical cone with chemical reaction. International Journal of Numerical Methods for Heat and Fluid Flow, 2017, 27, 2-22.	2.8	35
35	MHD heat and mass transfer flow of a nanofluid over an inclined vertical porous plate with radiation and heat generation/absorption. Advanced Powder Technology, 2017, 28, 1008-1017.	4.1	68
36	Heat and mass transfer analysis of nanofluid over linear and non-linear stretching surfaces with thermal radiation and chemical reaction. Powder Technology, 2017, 315, 194-204.	4.2	87

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37	MHD boundary layer flow, heat and mass transfer analysis over a rotating disk through porous medium saturated by Cu-water and Ag-water nanofluid with chemical reaction. Powder Technology, 2017, 307, 46-55.	4.2	180
38	Heat and Mass Transfer Flow of a Nanofluid over an Inclined Plate under Enhanced Boundary Conditions with Magnetic Field and Thermal Radiation. Heat Transfer - Asian Research, 2017, 46, 815-839.	2.8	28
39	Heat and Mass Transfer Flow Over a Vertical Cone Through Nanofluid Saturated Porous Medium Under Convective Boundary Condition Suction/Injection. Journal of Nanofluids, 2017, 6, 478-486.	2.7	36
40	Effect of Brownian Motion and Thermophoresis on Heat and Mass Transfer Flow Over a Horizontal Circular Cylinder Filled with Nanofluid. Journal of Nanofluids, 2017, 6, 702-710.	2.7	9
41	MHD Boundary Layer Heat and Mass Transfer Flow Over a Vertical Cone Embedded in Porous Media Filled with Al_2O_3-Water and Cu-Water Nanofluid. Journal of Nanofluids, 2017, 6, 883-891.	2.7	19
42	MHD NATURAL CONVECTION BOUNDARY LAYER FLOW OF NANOFLUID OVER A VERTICAL CONE WITH CHEMICAL REACTION AND SUCTION/INJECTION. Computational Thermal Sciences, 2017, 9, 165-182.	0.9	9
43	THERMODIFFUSION AND DIFFUSION - THERMO EFFECTS ON MHD HEAT AND MASS TRANSFER OF MICROPOLAR FLUID OVER A STRETCHING SHEET. International Journal of Fluid Mechanics Research, 2017, 44, 241-256.	0.4	3
44	HEAT AND MASS TRANSFER CHARACTERISTICS OF Al2O3-WATER AND Ag-WATER NANOFLUID THROUGH POROUS MEDIA OVER A VERTICAL CONE WITH HEAT GENERATION/ABSORPTION. Journal of Porous Media, 2017, 20, 1-17.	1.9	42
45	Soret and Dufour effects on MHD heat and mass transfer flow of a micropolar fluid with thermophoresis particle deposition. Journal of Naval Architecture and Marine Engineering, 2016, 13, 39-50.	1.2	16
46	Soret and Dufour effects on MHD convective flow of Al2O3–water and TiO2–water nanofluids past a stretching sheet in porous media with heat generation/absorption. Advanced Powder Technology, 2016, 27, 1207-1218.	4.1	204
47	Influence of size, shape, type of nanoparticles, type and temperature of the base fluid on natural convection MHD of nanofluids. AEJ - Alexandria Engineering Journal, 2016, 55, 331-341.	6.4	80
48	Soret and Dufour Effects on Unsteady MHD Heat and Mass Transfer from a Permeable Stretching Sheet with Thermophoresis and Non-Uniform Heat Generation/Absorption. Journal of Applied Fluid Mechanics, 2016, 9, 2443-2455.	0.2	38
49	MHD Natural Convection Heat and Mass Transfer of Al2O3-Water and Ag-Water Nanofluids over a Vertical Cone with Chemical Reaction. Procedia Engineering, 2015, 127, 476-484.	1.2	18
50	Effect of magnetic field and radiation on heat transfer analysis of nanofluid inside a square cavity filled with silver nanoparticles: Tiwari–Das model. Waves in Random and Complex Media, 0, , 1-19.	2.7	17
51	Williamson hybrid nanofluid flow over swirling cylinder with Cattaneo–Christov heat flux and gyrotactic microorganism. Waves in Random and Complex Media, 0, , 1-28.	2.7	13
52	Effect of thermal radiation on heat transfer and entropy generation analysis of MHD hybrid nanofluid inside a square cavity. Waves in Random and Complex Media, 0, , 1-33.	2.7	14
53	Impact of modified Fourier's heat flux on the heat transfer of MgO/Fe_3O_4–Eg-based hybrid nanofluid flow inside a square chamber. Waves in Random and Complex Media, 0, , 1-23.	2.7	10