

Sudarsana Reddy

List of Publications by Citations

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51
papers

1,325
citations

21
h-index

35
g-index

53
ext. papers

1,687
ext. citations

3
avg, IF

6.07
L-index

#	Paper	IF	Citations
51	Soret and Dufour effects on MHD convective flow of Al ₂ O ₃ -water and TiO ₂ -water nanofluids past a stretching sheet in porous media with heat generation/absorption. <i>Advanced Powder Technology</i> , 2016 , 27, 1207-1218	4.6	165
50	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. <i>Powder Technology</i> , 2017 , 307, 46-55	5.2	134
49	Heat and mass transfer analysis of nanofluid over linear and non-linear stretching surfaces with thermal radiation and chemical reaction. <i>Powder Technology</i> , 2017 , 315, 194-204	5.2	70
48	Magneto-hydrodynamics heat and mass transfer analysis of single and multi-wall carbon nanotubes over vertical cone with convective boundary condition. <i>International Journal of Mechanical Sciences</i> , 2018 , 135, 646-655	5.5	67
47	Heat and mass transfer analysis of unsteady hybrid nanofluid flow over a stretching sheet with thermal radiation. <i>SN Applied Sciences</i> , 2020 , 2, 1	1.8	59
46	Influence of size, shape, type of nanoparticles, type and temperature of the base fluid on natural convection MHD of nanofluids. <i>AEJ - Alexandria Engineering Journal</i> , 2016 , 55, 331-341	6.1	56
45	MHD heat and mass transfer flow of a nanofluid over an inclined vertical porous plate with radiation and heat generation/absorption. <i>Advanced Powder Technology</i> , 2017 , 28, 1008-1017	4.6	54
44	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. <i>Powder Technology</i> , 2018 , 331, 326-337	5.2	50
43	Carreau nanofluid heat and mass transfer flow through wedge with slip conditions and nonlinear thermal radiation. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019 , 41, 1	2	45
42	HEAT AND MASS TRANSFER CHARACTERISTICS OF Al ₂ O ₃ -WATER AND Ag-WATER NANOFLUID THROUGH POROUS MEDIA OVER A VERTICAL CONE WITH HEAT GENERATION/ABSORPTION. <i>Journal of Porous Media</i> , 2017 , 20, 1-17	2.9	34
41	Flow and heat transfer analysis of carbon nanotubes-based Maxwell nanofluid flow driven by rotating stretchable disks with thermal radiation. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2018 , 40, 1	2	32
40	Heat and mass transfer enhancement of SWCNTs and MWCNTs based Maxwell nanofluid flow over a vertical cone with slip effects. <i>Powder Technology</i> , 2018 , 340, 253-263	5.2	32
39	Soret and Dufour Effects on Unsteady MHD Heat and Mass Transfer from a Permeable Stretching Sheet with Thermophoresis and Non-Uniform Heat Generation/Absorption. <i>Journal of Applied Fluid Mechanics</i> , 2016 , 9, 2443-2455	1.5	30
38	A comparative study of Al ₂ O ₃ and TiO ₂ nanofluid flow over a wedge with non-linear thermal radiation. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019 , 30, 1291-1317	4.5	29
37	Impact of homogeneous/heterogeneous reactions on heat and mass transfer flow of Au/Ag and Ag/Ag Maxwell nanofluid past a horizontal stretched cylinder. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 141, 533-546	4.1	29
36	Heat and mass transfer analysis in natural convection flow of nanofluid over a vertical cone with chemical reaction. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2017 , 27, 2-22	4.5	28
35	Effect of SWCNTs and MWCNTs Maxwell MHD nanofluid flow between two stretchable rotating disks under convective boundary conditions. <i>Heat Transfer - Asian Research</i> , 2019 , 48, 4105-4132	2.8	28

34	Heat and mass transfer analysis of MWCNT-kerosene nanofluid flow over a wedge with thermal radiation. <i>Heat Transfer</i> , 2021 , 50, 10-33	3.1	26
33	Heat and Mass Transfer Flow Over a Vertical Cone Through Nanofluid Saturated Porous Medium Under Convective Boundary Condition Suction/Injection. <i>Journal of Nanofluids</i> , 2017 , 6, 478-486	2.2	25
32	Effect of thermal radiation and volume fraction on carbon nanotubes based nanofluid flow inside a square chamber. <i>AEJ - Alexandria Engineering Journal</i> , 2021 , 60, 1807-1817	6.1	25
31	Impact of chemical reaction and double stratification on heat and mass transfer characteristics of nanofluid flow over porous stretching sheet with thermal radiation. <i>International Journal of Ambient Energy</i> , 2020 , 1-11	2	22
30	Heat and mass transfer characteristics of nanofluid over horizontal circular cylinder. <i>Ain Shams Engineering Journal</i> , 2018 , 9, 707-716	4.4	20
29	HEAT AND MASS TRANSFER BOUNDARY-LAYER FLOW OVER A VERTICAL CONE THROUGH POROUS MEDIA FILLED WITH A Cu-WATER AND Ag-WATER NANOFLUID. <i>Heat Transfer Research</i> , 2018 , 49, 119-143	3.9	19
28	Buongiorno's model nanofluid natural convection inside a square cavity with thermal radiation. <i>Chinese Journal of Physics</i> , 2021 , 72, 327-344	3.5	19
27	COMBINED INFLUENCE OF BROWNIAN MOTION AND THERMOPHORESIS ON MAXWELL THREE-DIMENSIONAL NANOFLUID FLOW OVER STRETCHING SHEET WITH CHEMICAL REACTION AND THERMAL RADIATION. <i>Journal of Porous Media</i> , 2020 , 23, 327-340	2.9	18
26	Heat and Mass Transfer Flow of a Nanofluid over an Inclined Plate under Enhanced Boundary Conditions with Magnetic Field and Thermal Radiation. <i>Heat Transfer - Asian Research</i> , 2017 , 46, 815-839 ^{2.8}		16
25	MHD Natural Convection Heat and Mass Transfer of Al ₂ O ₃ -Water and Ag-Water Nanofluids over a Vertical Cone with Chemical Reaction. <i>Procedia Engineering</i> , 2015 , 127, 476-484		15
24	Effect of magnetic field and thermal radiation on natural convection in a square cavity filled with TiO ₂ nanoparticles using Tiwari-Das nanofluid model. <i>AEJ - Alexandria Engineering Journal</i> , 2021 , 61, 1529-1529	6.1	14
23	Flow and heat transfer analysis of carbon nanotubes based nanofluid flow inside a cavity with modified Fourier heat flux. <i>Physica Scripta</i> , 2021 , 96, 055215	2.6	13
22	Soret and Dufour effects on MHD heat and mass transfer flow of a micropolar fluid with thermophoresis particle deposition. <i>Journal of Naval Architecture and Marine Engineering</i> , 2016 , 13, 39-50 ^{1.4}		13
21	Effect of magnetic field and radiation on heat transfer analysis of nanofluid inside a square cavity filled with silver nanoparticles: TiwariDas model. <i>Waves in Random and Complex Media</i> , 1-19	1.9	12
20	Entropy generation and heat transfer analysis of alumina and carbon nanotubes based hybrid nanofluid inside a cavity. <i>Physica Scripta</i> , 2021 , 96, 085210	2.6	12
19	Impact of heat generation/absorption on heat and mass transfer of nanofluid over rotating disk filled with carbon nanotubes. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2021 , 31, 2962-2985	4.5	11
18	MHD Boundary Layer Heat and Mass Transfer Flow Over a Vertical Cone Embedded in Porous Media Filled with Al ₂ O ₃ -Water and Cu-Water Nanofluid. <i>Journal of Nanofluids</i> , 2017 , 6, 883-891	2.2	11
17	A comparative analysis of unsteady and steady Buongiorno's Williamson nanoliquid flow over a wedge with slip effects. <i>Chinese Journal of Chemical Engineering</i> , 2020 , 28, 1767-1777	3.2	10

16	Heat and mass transfer analysis of nanofluid flow over swirling cylinder with Cattaneo-Christov heat flux. <i>Journal of Thermal Analysis and Calorimetry</i> , 1	4.1	10
15	MHD boundary layer flow of SWCNT-water and MWCNT-water nanofluid over a vertical cone with heat generation/absorption. <i>Heat Transfer - Asian Research</i> , 2019, 48, 539-555	2.8	9
14	Effect of Cattaneo-Christov heat flux on heat and mass transfer characteristics of Maxwell hybrid nanofluid flow over stretching/shrinking sheet. <i>Physica Scripta</i> , 2021, 96, 125237	2.6	7
13	Effect of thermal radiation on heat transfer and entropy generation analysis of MHD hybrid nanofluid inside a square cavity. <i>Waves in Random and Complex Media</i> , 1-33	1.9	6
12	MHD boundary layer heat and mass transfer flow of nanofluid through porous media over inclined plate with chemical reaction. <i>Multidiscipline Modeling in Materials and Structures</i> , 2020, 17, 317-336	2.2	6
11	Heat and mass transfer characteristics of radiative hybrid nanofluid flow over a stretching sheet with chemical reaction. <i>Heat Transfer</i> , 2021, 50, 2929-2949	3.1	6
10	Entropy generation and heat transfer analysis of magnetic hybrid nanofluid inside a square cavity with thermal radiation. <i>European Physical Journal Plus</i> , 2021, 136, 1	3.1	6
9	Effect of zero mass flux condition on heat and mass transfer analysis of nanofluid flow inside a cavity with magnetic field. <i>European Physical Journal Plus</i> , 2021, 136, 1	3.1	6
8	Impact of Convective Boundary Condition on Heat and Mass Transfer of Nanofluid Flow Over a Thin Needle Filled with Carbon Nanotubes. <i>Journal of Nanofluids</i> , 2020, 9, 282-292	2.2	5
7	MHD NATURAL CONVECTION BOUNDARY LAYER FLOW OF NANOFUID OVER A VERTICAL CONE WITH CHEMICAL REACTION AND SUCTION/INJECTION. <i>Computational Thermal Sciences</i> , 2017, 9, 165-182 ^{1,9}	1.9	5
6	Entropy generation and heat transfer analysis of magnetic nanofluid flow inside a square cavity filled with carbon nanotubes. <i>Chemical Thermodynamics and Thermal Analysis</i> , 2022, 100045		4
5	Effect of Brownian Motion and Thermophoresis on Heat and Mass Transfer Flow Over a Horizontal Circular Cylinder Filled with Nanofluid. <i>Journal of Nanofluids</i> , 2017, 6, 702-710	2.2	4
4	Williamson hybrid nanofluid flow over swirling cylinder with Cattaneo-Christov heat flux and gyrotactic microorganism. <i>Waves in Random and Complex Media</i> , 1-28	1.9	4
3	Impact of slip effects on unsteady Sisko nanoliquid heat and mass transfer characteristics over stretching sheet filled with gold nanoparticles. <i>Heat Transfer</i> , 2020, 49, 2103-2130	3.1	1
2	Impact of modified Fourier heat flux on the heat transfer of MgO/Fe ₃ O ₄ -based hybrid nanofluid flow inside a square chamber. <i>Waves in Random and Complex Media</i> , 1-23	1.9	1
1	Impact of Cattaneo-Christov heat flux on heat and mass transfer analysis of hybrid nanofluid flow over vertical cone. <i>International Journal of Ambient Energy</i> , 1-31	2	