

# Zakir Hussain

## List of Publications by Year in descending order

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papers

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citations

567247

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times ranked

458  
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#	ARTICLE	IF	CITATIONS
1	Effects of homogeneous and heterogeneous reactions in flow of nanofluids over a nonlinear stretching surface with variable surface thickness. <i>Journal of Molecular Liquids</i> , 2016, 221, 1121-1127.	4.9	143
2	Carbon nanotubes effects in the stagnation point flow towards a nonlinear stretching sheet with variable thickness. <i>Advanced Powder Technology</i> , 2016, 27, 1677-1688.	4.1	84
3	Effects of homogeneous and heterogeneous reactions and melting heat in the viscoelastic fluid flow. <i>Journal of Molecular Liquids</i> , 2016, 215, 749-755.	4.9	63
4	Heterogeneous-homogeneous reactions and melting heat transfer effects in flow with carbon nanotubes. <i>Journal of Molecular Liquids</i> , 2016, 220, 200-207.	4.9	59
5	Thermally Stratified Stagnation Point Flow of an Oldroyd-B Fluid. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2014, 15, 77-86.	1.0	51
6	Three-dimensional convective flow of CNTs nanofluids with heat generation/absorption effect: A numerical study. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018, 329, 40-54.	6.6	47
7	Nanofluid flow through a porous space with convective conditions and heterogeneous-homogeneous reactions. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 70, 119-126.	5.3	42
8	Magnetohydrodynamic Flow by a Stretching Cylinder with Newtonian Heating and Homogeneous-Heterogeneous Reactions. <i>PLoS ONE</i> , 2016, 11, e0156955.	2.5	39
9	Numerical study for slip flow of carbon-water nanofluids. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2017, 319, 366-378.	6.6	33
10	Entropy analysis in mixed convective flow of hybrid nanofluid subject to melting heat and chemical reactions. <i>Case Studies in Thermal Engineering</i> , 2022, 34, 101972.	5.7	31
11	Analysis of Cattaneo-Christov heat flux in Jeffery fluid flow with heat source over a stretching cylinder. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 3391-3402.	3.6	23
12	Darcy Forchheimer aspects for CNTs nanofluid past a stretching cylinder; using Keller box method. <i>Results in Physics</i> , 2018, 11, 801-816.	4.1	22
13	On MHD convective flow of Williamson fluid with homogeneous-heterogeneous reactions: A comparative study of sheet and cylinder. <i>International Communications in Heat and Mass Transfer</i> , 2021, 120, 105060.	5.6	21
14	Outcome of homogeneous and heterogeneous reactions in Darcy-Forchheimer flow with nonlinear thermal radiation and convective condition. <i>Results in Physics</i> , 2017, 7, 2497-2505.	4.1	20
15	Base fluids with CNTs as nanoparticles through non-Darcy porous medium in convectively heated flow: A comparative study. <i>Advanced Powder Technology</i> , 2017, 28, 1855-1865.	4.1	19
16	Influence of heterogeneous-homogeneous reactions in thermally stratified stagnation point flow of an Oldroyd-B fluid. <i>Results in Physics</i> , 2016, 6, 1161-1167.	4.1	18
17	Mixed convective flow of CNTs nanofluid subject to varying viscosity and reactions. <i>Scientific Reports</i> , 2021, 11, 22838.	3.3	18
18	Simultaneous Influence of Hall and Wall Characteristics in Peristaltic Convective Carbon-Water Flow Subject to Soret and Dufour Effects. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 2033-2046.	3.0	17

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19	Magnetohydrodynamic flow of Powell-Eyring fluid by a stretching cylinder with Newtonian heating. <i>Thermal Science</i> , 2018, 22, 371-382.	1.1	17
20	Effects of first-order chemical reaction and melting heat on hybrid nanoliquid flow over a nonlinear stretched curved surface with shape factors. <i>Advances in Mechanical Engineering</i> , 2021, 13, 168781402199952.	1.6	16
21	Passive control of magneto-nanomaterials transient flow subject to non-linear thermal radiation. <i>Thermal Science</i> , 2022, 26, 1405-1419.	1.1	14
22	Heat Transfer in a Fractional Nanofluid Flow through a Permeable Medium. <i>Mathematical Problems in Engineering</i> , 2022, 2022, 1-18.	1.1	14
23	An optimal solution for magnetohydrodynamic nanofluid flow over a stretching surface with constant heat flux and zero nanoparticles flux. <i>Neural Computing and Applications</i> , 2018, 29, 1555-1562.	5.6	12
24	Heat transfer through temperature dependent viscosity hybrid nanofluid subject to homogeneous-heterogeneous reactions and melting condition: A comparative study. <i>Physica Scripta</i> , 2021, 96, 015210.	2.5	11
25	Outcomes of double stratification in Darcy-Forchheimer MHD flow of viscoelastic nanofluid. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2018, 40, 1.	1.6	9
26	Computational analysis for velocity slip and diffusion species with carbon nanotubes. <i>Results in Physics</i> , 2017, 7, 3049-3058.	4.1	6
27	Darcy Forchheimer flow of Jeffrey nanofluid with heat generation/absorption and melting heat transfer. <i>Thermal Science</i> , 2019, 23, 3833-3842.	1.1	4