Faisal Shahzad

List of Publications by Year
in descending order

| 37 papers | 1,067 citations | 430874
18 h-index | 501196
28 g-index |
|---|---|---|---|
| 38 all docs | 38 docs citations | 38 times ranked | 442 citing authors |

#	Article	IF	Citations
1	Chemical reaction and thermal characteristiecs of Maxwell nanofluid flow-through solar collector as a potential solar energy cooling application: A modified Buongiorno's model. Energy and Environment, 2023, 34, 1409-1432.	4.6	19
2	Impact of gold nanoparticles along with Maxwell velocity and Smoluchowski temperature slip boundary conditions on fluid flow: Sutterby model. Chinese Journal of Physics, 2022, 77, 1387-1404.	3.9	21
3	Thermal analysis for $Al_{2}O_{3}$–sodium alginate magnetized Jeffrey's nanofluid flow past a stretching sheet embedded in a porous medium. Scientific Reports, 2022, 12, 3287.	3.3	10
4	Raising thermal efficiency of solar water‐pump using Oldroyd‐B nanofluids' flow: An optimal thermal application. Energy Science and Engineering, 2022, 10, 4286-4303.	4.0	8
5	Hydrogen energy storage optimization in solar-HVAC using Sutterby nanofluid via Koo-Kleinstreuer and Li (KKL) correlations model: A solar thermal application. International Journal of Hydrogen Energy, 2022, 47, 18877-18891.	7.1	31
6	Thermal analysis characterisation of solar-powered ship using Oldroyd hybrid nanofluids in parabolic trough solar collector: An optimal thermal application. Nanotechnology Reviews, 2022, 11, 2015-2037.	5.8	32
7	Thermal valuation and entropy inspection of second-grade nanoscale fluid flow over a stretching surface by applying Koo–Kleinstreuer–Li relation. Nanotechnology Reviews, 2022, 11, 2061-2077.	5.8	15
8	Features and aspects of radioactive flow and slippage velocity on rotating two-phase Prandtl nanofluid with zero mass fluxing and convective constraints. International Communications in Heat and Mass Transfer, 2022, 136, 106180.	5.6	25
9	Thermal cooling process by nanofluid flowing near stagnating point of expanding surface under induced magnetism force: A computational case study. Case Studies in Thermal Engineering, 2022, 36, 102190.	5.7	4
10	Heat transfer analysis of MHD rotating flow of Fe_3O_4 nanoparticles through a stretchable surface. Communications in Theoretical Physics, 2021, 73, 075004.	2.5	40
11	Study on heat transfer aspects of solar aircraft wings for the case of Reiner-Philippoff hybrid nanofluid past a parabolic trough: Keller box method. Physica Scripta, 2021, 96, 095220.	2.5	40
12	Micropolar fluid past a convectively heated surface embedded with nth order chemical reaction and heat source/sink. Physica Scripta, 2021, 96, 104010.	2.5	39
13	Transport of MHD nanofluid in a stratified medium containing gyrotactic microorganisms due to a stretching sheet. Scientia Iranica, 2021, .	0.4	2
14	Computational analysis of Ohmic and viscous dissipation effects on MHD heat transfer flow of -PVA Jeffrey nanofluid through a stretchable surface. Case Studies in Thermal Engineering, 2021, 26, 101148.	5.7	23
15	Thermal analysis on Darcy‐Forchheimer swirling Casson hybrid nanofluid flow inside parallel plates in parabolic trough solar collector: An application to solar aircraft. International Journal of Energy Research, 2021, 45, 20812-20834.	4.5	38
16	Comparative Numerical Study of Thermal Features Analysis between Oldroyd-B Copper and Molybdenum Disulfide Nanoparticles in Engine-Oil-Based Nanofluids Flow. Coatings, 2021, 11, 1196.	2.6	25
17	Thermal expansion optimization in solar aircraft using tangent hyperbolic hybrid nanofluid: a solar thermal application. Journal of Materials Research and Technology, 2021, 14, 985-1006.	5.8	135
18	Thermal growth in solar water pump using Prandtl–Eyring hybrid nanofluid: a solar energy application. Scientific Reports, 2021, 11, 18704.	3.3	72

#	Article	IF	Citations
19	Thermal examination of renewable solar energy in parabolic trough solar collector utilizing Maxwell nanofluid: A noble case study. Case Studies in Thermal Engineering, 2021, 27, 101258.	5.7	59
20	Features of entropy optimization on viscous second grade nanofluid streamed with thermal radiation: A Tiwari and Das model. Case Studies in Thermal Engineering, 2021, 27, 101291.	5.7	43
21	Stratified heat transfer of magneto-tangent hyperbolic bio-nanofluid flow with gyrotactic microorganisms: Keller-Box solution technique. Open Physics, 2021, 19, 568-582.	1.7	1
22	Impact of Maxwell velocity slip and Smoluchowski temperature slip on CNTs with modified Fourier theory: Reiner-Philippoff model. PLoS ONE, 2021, 16, e0258367.	2.5	18
23	Thermal and solutal performance of Cu/CuO nanoparticles on a non-linear radially stretching surface with heat source/sink and varying chemical reaction effects. International Communications in Heat and Mass Transfer, 2021, 129, 105710.	5.6	44
24	Partial velocity slip effect on working magneto non-Newtonian nanofluids flow in solar collectors subject to change viscosity and thermal conductivity with temperature. PLoS ONE, 2021, 16, e0259881.	2.5	25
25	Flow and heat transport phenomenon for dynamics of Jeffrey nanofluid past stretchable sheet subject to Lorentz force and dissipation effects. Scientific Reports, 2021, 11, 22924.	3.3	17
26	Computational examination of Jeffrey nanofluid through a stretchable surface employing Tiwari and Das model. Open Physics, 2021, 19, 897-911.	1.7	7
27	Heat Transfer Simulation for 3D MHD Rotating Hybrid NanoFluid Flow Between Parallel Plates in Parabolic Trough Solar Collector: A Numerical Study. Journal of Engineering Thermophysics, 2021, 30, 704-726.	1.4	7
28	The improved thermal efficiency of Prandtl–Eyring hybrid nanofluid via classical Keller box technique. Scientific Reports, 2021, 11, 23535.	3.3	21
29	Impact of double-diffusive convection and motile gyrotactic microorganisms on magnetohydrodynamics bioconvection tangent hyperbolic nanofluid. Open Physics, 2020, 18, 74-88.	1.7	20
30	MHD tangent hyperbolic nanofluid with chemical reaction, viscous dissipation and Joule heating effects. AIP Advances, 2019, 9, .	1.3	26
31	Numerical Solution of Rotating Flow of a Nanofluid Over a Stretching Surface in the Presence of Magnetic Field. Journal of Nanofluids, 2019, 8, 359-370.	2.7	5
32	Numerical simulation of magnetohydrodynamic Jeffrey nanofluid flow and heat transfer over a stretching sheet considering Joule heating and viscous dissipation. AIP Advances, 2018, 8, .	1.3	29
33	MHD pulsatile flow of engine oil based carbon nanotubes between two concentric cylinders. Results in Physics, 2017, 7, 57-68.	4.1	60
34	Water driven Cu nanoparticles between two concentric ducts with oscillatory pressure gradient. Journal of Molecular Liquids, 2016, 224, 322-332.	4.9	24
35	Implementing renewable solar energy in presence of Maxwell nanofluid in parabolic trough solar collector: a computational study. Waves in Random and Complex Media, 0, , 1-32.	2.7	31
36	Dynamical irreversible processes analysis of Poiseuille magneto-hybrid nanofluid flow in microchannel: A novel case study. Waves in Random and Complex Media, 0, , 1-23.	2.7	12

#	Article	IF	Citations
37	Efficiency evaluation of solar water-pump using nanofluids in parabolic trough solar collector: 2nd order convergent approach. Waves in Random and Complex Media, 0, , 1-37.	2.7	12