

khashayar Hosseinzadeh

List of Publications by Year in descending order

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86
papers

7,607
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28242

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54882

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docs citations

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times ranked

2254
citing authors

#	ARTICLE	IF	CITATIONS
1	Ferrohydrodynamic and magnetohydrodynamic effects on ferrofluid flow and convective heat transfer. <i>Energy</i> , 2014, 75, 400-410.	4.5	394
2	Investigation on thermophysical properties of $\text{TiO}_2\text{-Cu}/\text{H}_2\text{O}$ hybrid nanofluid transport dependent on shape factor in MHD stagnation point flow. <i>Powder Technology</i> , 2017, 322, 428-438.	2.1	344
3	Nanofluid flow and heat transfer between parallel plates considering Brownian motion using DTM. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2015, 283, 651-663.	3.4	306
4	Entropy generation of nanofluid in presence of magnetic field using Lattice Boltzmann Method. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 417, 273-286.	1.2	272
5	Ferrofluid flow and heat transfer in a semi annulus enclosure in the presence of magnetic source considering thermal radiation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 47, 6-17.	2.7	207
6	Nonlinear thermal radiation effect on magneto Casson nanofluid flow with Joule heating effect over an inclined porous stretching sheet. <i>Case Studies in Thermal Engineering</i> , 2018, 12, 176-187.	2.8	194
7	Investigation of cross-fluid flow containing motile gyrotactic microorganisms and nanoparticles over a three-dimensional cylinder. <i>AEJ - Alexandria Engineering Journal</i> , 2020, 59, 3297-3307.	3.4	171
8	Effect of internal fins along with Hybrid Nano-Particles on solid process in star shape triplex Latent Heat Thermal Energy Storage System by numerical simulation. <i>Renewable Energy</i> , 2020, 154, 497-507.	4.3	149
9	Investigation on ethylene glycol Nano fluid flow over a vertical permeable circular cylinder under effect of magnetic field. <i>Results in Physics</i> , 2018, 9, 1525-1533.	2.0	140
10	MHD boundary layer analysis for micropolar dusty fluid containing Hybrid nanoparticles ($\text{Cu-Al}_2\text{O}_3$) over a porous medium. <i>Journal of Molecular Liquids</i> , 2018, 268, 813-823.	2.3	139
11	Numerical analysis of discharging process acceleration in LHTESS by immersing innovative fin configuration using finite element method. <i>Applied Thermal Engineering</i> , 2016, 107, 154-166.	3.0	134
12	Optimization of hybrid nanoparticles with mixture fluid flow in an octagonal porous medium by effect of radiation and magnetic field. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 1413-1424.	2.0	127
13	Analytical investigation of MHD nanofluid flow in non-parallel walls. <i>Journal of Molecular Liquids</i> , 2014, 194, 251-259. Effect of two different fins (longitudinal-tree like) and hybrid nano-particles ($\text{Tj ETQqO O O rgBT /Overlock 10 Tf 50 247 Td$ (2.3	124
14		3.4	122
15	on solidification process in triplex latent heat thermal energy storag. <i>AEJ - Alexandria Engineering Journal</i> $\text{Fe}_3\text{O}_4\text{-}(\text{CH}_2\text{OH})_2$ nanofluid analysis in a porous medium under MHD radiative boundary layer and dusty fluid. <i>Journal of Molecular Liquids</i> , 2018, 258, 172-185.	2.3	118
16	Investigation of MHD Eyring-Powell fluid flow over a rotating disk under effect of homogeneous-heterogeneous reactions. <i>Case Studies in Thermal Engineering</i> , 2019, 13, 100356.	2.8	117
17	Hydrothermal analysis of MHD nanofluid ($\text{TiO}_2\text{-GO}$) flow between two radiative stretchable rotating disks using AGM. <i>Case Studies in Thermal Engineering</i> , 2019, 14, 100460.	2.8	113
18	Investigation of mixture fluid suspended by hybrid nanoparticles over vertical cylinder by considering shape factor effect. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 1081-1095.	2.0	113

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19	A numerical investigation on ethylene glycol-titanium dioxide nanofluid convective flow over a stretching sheet in presence of heat generation/absorption. <i>Case Studies in Thermal Engineering</i> , 2018, 12, 228-236.	2.8	112
20	Boundary layer analysis of micropolar dusty fluid with TiO ₂ nanoparticles in a porous medium under the effect of magnetic field and thermal radiation over a stretching sheet. <i>Journal of Molecular Liquids</i> , 2017, 244, 374-389.	2.3	110
21	Entropy generation analysis of (CH ₂ OH) ₂ containing CNTs nanofluid flow under effect of MHD and thermal radiation. <i>Case Studies in Thermal Engineering</i> , 2019, 14, 100482.	2.8	110
22	Solution of the boundary layer flow of an Eyring-Powell non-Newtonian fluid over a linear stretching sheet by collocation method. <i>AEJ - Alexandria Engineering Journal</i> , 2017, 56, 621-627.	3.4	108
23	Analysis of unsteady MHD Eyring-Powell squeezing flow in stretching channel with considering thermal radiation and Joule heating effect using AGM. <i>Case Studies in Thermal Engineering</i> , 2017, 10, 579-594.	2.8	106
24	Investigation for squeezing flow of ethylene glycol (C ₂ H ₆ O ₂) carbon nanotubes (CNTs) in rotating stretching channel with nonlinear thermal radiation. <i>Journal of Molecular Liquids</i> , 2018, 263, 10-21.	2.3	106
25	Investigation on ethylene glycol-water mixture fluid suspend by hybrid nanoparticles (TiO ₂ -CuO) over rotating cone with considering nanoparticles shape factor. <i>Journal of Molecular Liquids</i> , 2018, 272, 226-236.	2.3	105
26	Numerical study of MHD two-phase Couette flow analysis for fluid-particle suspension between moving parallel plates. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 2238-2245.	2.7	103
27	Hydrothermal analysis of MHD squeezing mixture fluid suspended by hybrid nanoparticles between two parallel plates. <i>Case Studies in Thermal Engineering</i> , 2020, 21, 100650.	2.8	103
28	Numerical study on magnetohydrodynamic CNTs-water nanofluids as a micropolar dusty fluid influenced by non-linear thermal radiation and joule heating effect. <i>Powder Technology</i> , 2018, 340, 389-399.	2.1	101
29	Investigation on three dimensional squeezing flow of mixture base fluid (ethylene glycol-water) suspended by hybrid nanoparticle (Fe ₃ O ₄ -Ag) dependent on shape factor. <i>Journal of Molecular Liquids</i> , 2018, 262, 376-388.	2.3	96
30	Heat transfer study on convective-radiative semi-spherical fins with temperature-dependent properties and heat generation using efficient computational methods. <i>Applied Thermal Engineering</i> , 2015, 89, 299-305.	3.0	94
31	Investigation of different base fluids suspend by CNTs hybrid nanoparticle over a vertical circular cylinder with sinusoidal radius. <i>Case Studies in Thermal Engineering</i> , 2020, 21, 100666.	2.8	94
32	Solidification acceleration in a triplex-tube latent heat thermal energy storage system using V-shaped fin and nano-enhanced phase change material. <i>Applied Thermal Engineering</i> , 2019, 163, 114436.	3.0	93
33	Effect of variable lorentz forces on nanofluid flow in movable parallel plates utilizing analytical method. <i>Case Studies in Thermal Engineering</i> , 2017, 10, 595-610.	2.8	91
34	Solidification process of hybrid nano-enhanced phase change material in a LHTESS with tree-like branching fin in the presence of thermal radiation. <i>Journal of Molecular Liquids</i> , 2019, 275, 909-925.	2.3	91
35	Analytical and numerical solution of non-Newtonian second-grade fluid flow on a stretching sheet. <i>Thermal Science and Engineering Progress</i> , 2018, 5, 309-316.	1.3	90
36	Nonlinear thermal radiation and chemical reaction effects on Maxwell fluid flow with convectively heated plate in a porous medium. <i>Heat Transfer - Asian Research</i> , 2019, 48, 744-759.	2.8	89

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37	Effect of fin and hybrid nano-particles on solid process in hexagonal triplex Latent Heat Thermal Energy Storage System. <i>Journal of Molecular Liquids</i> , 2020, 300, 112347.	2.3	88
38	Thermal radiation effect on the Nano-fluid buoyancy flow and heat transfer over a stretching sheet considering Brownian motion. <i>Journal of Molecular Liquids</i> , 2016, 223, 521-527.	2.3	84
39	Characteristics of ferrofluid flow over a stretching sheet with suction and injection. <i>Case Studies in Thermal Engineering</i> , 2019, 14, 100470.	2.8	84
40	Effect of Lorentz forces on forced-convection nanofluid flow over a stretched surface. <i>Particuology</i> , 2016, 26, 108-113.	2.0	80
41	Investigating the effect of adding nanoparticles to the blood flow in presence of magnetic field in a porous blood arterial. <i>Informatics in Medicine Unlocked</i> , 2018, 10, 71-81.	1.9	80
42	Hydrothermal analysis of Non-Newtonian second grade fluid flow on radiative stretching cylinder with Soret and Dufour effects. <i>Case Studies in Thermal Engineering</i> , 2019, 13, 100384.	2.8	76
43	Unsteady nanofluid flow and heat transfer in presence of magnetic field considering thermal radiation. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2015, 37, 895-902.	0.8	71
44	Investigation of micropolar hybrid ferrofluid flow over a vertical plate by considering various base fluid and nanoparticle shape factor. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2021, 31, 402-417.	1.6	71
45	Performance enhancement of finned heat pipe assisted latent heat thermal energy storage system in the presence of nano-enhanced H ₂ O as phase change material. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 6526-6546.	3.8	70
46	Investigation of phase change material solidification process in a LHTESS in the presence of fins with variable thickness and hybrid nanoparticles. <i>Applied Thermal Engineering</i> , 2019, 152, 706-717.	3.0	70
47	Hydrothermal analysis of ethylene glycol nanofluid in a porous enclosure with complex snowflake shaped inner wall. <i>Waves in Random and Complex Media</i> , 2022, 32, 1-18.	1.6	70
48	Discharging process expedition of NEPCM in fin-assisted Latent Heat Thermal Energy Storage System. <i>Journal of Molecular Liquids</i> , 2016, 221, 833-841.	2.3	69
49	Non-spherical particles sedimentation in an incompressible Newtonian medium by Pad� approximation. <i>Powder Technology</i> , 2015, 278, 248-256.	2.1	68
50	Impact of electric field on nanofluid forced convection heat transfer with considering variable properties. <i>Journal of Molecular Liquids</i> , 2017, 229, 566-573.	2.3	68
51	Numerical investigation of nanofluid transportation in a curved cavity in existence of magnetic source. <i>Chemical Physics Letters</i> , 2017, 667, 307-316.	1.2	67
52	Investigation of nano-Bioconvective fluid motile microorganism and nanoparticle flow by considering MHD and thermal radiation. <i>Informatics in Medicine Unlocked</i> , 2020, 21, 100462.	1.9	67
53	Thermal penetration depth enhancement in latent heat thermal energy storage system in the presence of heat pipe based on both charging and discharging processes. <i>Energy Conversion and Management</i> , 2017, 148, 646-667.	4.4	65
54	Hydrothermal analysis of magneto hydrodynamic nanofluid flow between two parallel by AGM. <i>Case Studies in Thermal Engineering</i> , 2019, 14, 100439.	2.8	65

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55	Investigation of mixture-based dusty hybrid nanofluid flow in porous media affected by magnetic field using RBF method. <i>International Journal of Ambient Energy</i> , 2022, 43, 6425-6435.	1.4	65
56	Entropy generation analysis of mixture nanofluid ($H_2O/C_2H_6O_2$)– Fe_3O_4 flow between two stretching rotating disks under the effect of MHD and nonlinear thermal radiation. <i>International Journal of Ambient Energy</i> , 2022, 43, 1045-1057.	1.4	63
57	Solidification enhancement in triplex thermal energy storage system via triplets fins configuration and hybrid nanoparticles. <i>Journal of Energy Storage</i> , 2021, 34, 102177.	3.9	59
58	A nonlinear mathematical analysis for magneto-hyperbolic-tangent liquid featuring simultaneous aspects of magnetic field, heat source and thermal stratification. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 4513-4518.	1.6	58
59	Entropy generation of three-dimensional Bäcklund flow of water and hexanol base fluid suspended by Fe_3O_4 and MoS_2 hybrid nanoparticles. <i>Pramana - Journal of Physics</i> , 2021, 95, 1.	0.9	57
60	Investigation of magnetohydrodynamic nanofluid flow contain motile oxytactic microorganisms over rotating cone. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2021, 31, 3394-3412.	1.6	57
61	Thermal analysis of a moving fin using the radial basis function approximation. <i>Heat Transfer</i> , 2021, 50, 7553-7567.	1.7	56
62	Investigation on Magneto Eyring-Powell nanofluid flow over inclined stretching cylinder with nonlinear thermal radiation and Joule heating effect. <i>World Journal of Engineering</i> , 2019, 16, 51-63.	1.0	54
63	Effect of SiO_2 super-hydrophobic coating and self-rewetting fluid on two phase closed thermosyphon heat transfer characteristics: An experimental and numerical study. <i>Journal of Molecular Liquids</i> , 2020, 315, 113748.	2.3	54
64	Multi-objective RSM optimization of fin assisted latent heat thermal energy storage system based on solidification process of phase change Material in presence of copper nanoparticles. <i>Applied Thermal Engineering</i> , 2017, 118, 430-447.	3.0	53
65	Investigation of LHTESS filled by Hybrid nano-enhanced PCM with Koch snowflake fractal cross section in the presence of thermal radiation. <i>Journal of Molecular Liquids</i> , 2019, 273, 414-424.	2.3	53
66	Heat transfer hybrid nanofluid (1-Butanol/ MoS_2 – Fe_3O_4) through a wavy porous cavity and its optimization. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2021, 31, 1547-1567.	1.6	48
67	Investigating the effects of hybrid nanoparticles on solid-liquid phase change process in a Y-shaped fin-assisted LHTESS by means of FEM. <i>Journal of Molecular Liquids</i> , 2019, 287, 110931.	2.3	44
68	Hydrothermal analysis of hybrid nanofluid flow on a vertical plate by considering slip condition. <i>Theoretical and Applied Mechanics Letters</i> , 2022, 12, 100357.	1.3	38
69	Numerical investigation on convective heat transfer over two heated wall-mounted cubes in tandem and staggered arrangement. <i>Theoretical and Applied Mechanics Letters</i> , 2018, 8, 171-183.	1.3	34
70	Hydrothermal analysis on non-Newtonian nanofluid flow of blood through porous vessels. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2022, 236, 1604-1615.	1.4	34
71	Investigation of nanofluid flow in a vertical channel considering polynomial boundary conditions by Akbari-Ganjli's method. <i>Theoretical and Applied Mechanics Letters</i> , 2022, 12, 100356.	1.3	31
72	Investigation of Micropolar Hybrid Nanofluid (Iron Oxide–Molybdenum Disulfide) Flow Across a Sinusoidal Cylinder in Presence of Magnetic Field. <i>International Journal of Applied and Computational Mathematics</i> , 2021, 7, 1.	0.9	30

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73	Effect of nanoparticle shape factor and snowflake crystal structure on discharging acceleration LHTESS containing (Al ₂ O ₃ -GO) HNEPCM. Journal of Molecular Liquids, 2019, 289, 111140.	2.3	29
74	Analytical solution of nonlinear differential equations two oscillators mechanism using Akbari-Ganji method. Modern Physics Letters B, 2021, 35, .	1.0	29
75	Metal foam and fin implementation into a triple concentric tube heat exchanger over melting evolution. Theoretical and Applied Mechanics Letters, 2022, 12, 100332.	1.3	24
76	Investigation of three-dimensional hybrid nanofluid flow affected by nonuniform MHD over exponential stretching/shrinking plate. Nonlinear Engineering, 2022, 11, 143-155.	1.4	24
77	Experimental and numerical study for the effect of aqueous solution on heat transfer characteristics of two phase close thermosyphon. International Communications in Heat and Mass Transfer, 2022, 135, 106129.	2.9	20
78	Performance enhancement of nano PCM solidification in a hexagonal storage unit with innovative fin shapes dealing with time-dependent boundary conditions. Energy Reports, 2022, 8, 8200-8214.	2.5	18
79	A novel approach for assessment of MHD mixed fluid around two parallel plates by consideration hybrid nanoparticles and shape factor. AEJ - Alexandria Engineering Journal, 2022, 61, 9779-9793.	3.4	10
80	Barycentric rational interpolation method for numerical investigation of magnetohydrodynamics nanofluid flow and heat transfer in nonparallel plates with thermal radiation. Heat Transfer - Asian Research, 2020, 49, 565-590.	2.8	9
81	An analytical investigation and comparison of oscillating systems with nonlinear behavior using AGM and HPM. AEJ - Alexandria Engineering Journal, 2022, 61, 8987-8996.	3.4	9
82	Numerical investigation of droplet coalescence of saltwater in the crude oil by external electric field. Journal of Molecular Liquids, 2022, 346, 117111.	2.3	8
83	A comprehensive evaluation of the vertical triplex-tube heat exchanger with PCM, concentrating on flow direction, nanoparticles and multiple PCM implementation. Thermal Science and Engineering Progress, 2021, 26, 101124.	1.3	7
84	Hierarchical implementation of hybrid heat promoters fixated on operational conditions to accelerate the melting phenomenon of a triplex tube heat exchanger. Thermal Science and Engineering Progress, 2021, 25, 101008.	1.3	6
85	Hybrid Analysis of Radiation Effects on Maxwell SWCNT Nanofluid in Nanotube for Combined Magnetic Stretching Sheet and Varies Wires. International Journal of Applied and Computational Mathematics, 2022, 8, 1.	0.9	5
86	Analysis of Timoshenko beam with Koch snowflake cross-section and variable properties in different boundary conditions using finite element method. Advances in Mechanical Engineering, 2021, 13, 168781402110609.	0.8	1