

Seyyed Masoud Seyyedi

List of Publications by Citations

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35
papers

1,096
citations

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h-index

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36
ext. papers

1,379
ext. citations

4.2
avg, IF

5.42
L-index

#	Paper	IF	Citations
35	CVFEM analysis for Fe ₃ O ₄ -H ₂ O nanofluid in an annulus subject to thermal radiation. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 132, 473-483	4.9	89
34	A modified Fourier approach for analysis of nanofluid heat generation within a semi-circular enclosure subjected to MFD viscosity. <i>International Communications in Heat and Mass Transfer</i> , 2020 , 111, 104430	5.8	69
33	Investigation of natural convection of magnetic nanofluid in an enclosure with a porous medium considering Brownian motion. <i>Case Studies in Thermal Engineering</i> , 2019 , 14, 100502	5.6	64
32	Second law analysis of magneto-natural convection in a nanofluid filled wavy-hexagonal porous enclosure. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2020 , 30, 4811-4836	4.5	56
31	Investigation of entropy generation in a square inclined cavity using control volume finite element method with aided quadratic Lagrange interpolation functions. <i>International Communications in Heat and Mass Transfer</i> , 2020 , 110, 104398	5.8	54
30	Investigation of magneto-hydrodynamic fluid squeezed between two parallel disks by considering Joule heating, thermal radiation, and adding different nanoparticles. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019 , 30, 659-680	4.5	51
29	A computational framework for natural convective hydromagnetic flow via inclined cavity: An analysis subjected to entropy generation. <i>Journal of Molecular Liquids</i> , 2019 , 287, 110863	6	50
28	Entropy generation and economic analyses in a nanofluid filled L-shaped enclosure subjected to an oriented magnetic field. <i>Applied Thermal Engineering</i> , 2020 , 168, 114789	5.8	49
27	The influence of different shapes of nanoparticle on Cu-H ₂ O nanofluids in a partially heated irregular wavy enclosure. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020 , 540, 123034	3.3	49
26	Radiative nanofluid flow and heat transfer between parallel disks with penetrable and stretchable walls considering Cattaneo-Christov heat flux model. <i>Heat Transfer - Asian Research</i> , 2018 , 47, 735-753	2.8	46
25	Numerical analysis of entropy generation of a nanofluid in a semi-annulus porous enclosure with different nanoparticle shapes in the presence of a magnetic field. <i>European Physical Journal Plus</i> , 2019 , 134, 1	3.1	45
24	Magnetohydrodynamic natural convection and entropy generation analyses inside a nanofluid-filled incinerator-shaped porous cavity with wavy heater block. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 141, 2033-2045	4.1	45
23	A new approach for optimization of thermal power plant based on the exergoeconomic analysis and structural optimization method: Application to the CGAM problem. <i>Energy Conversion and Management</i> , 2010 , 51, 2202-2211	10.6	40
22	Numerical simulation for thermal radiation and porous medium characteristics in flow of CuO-H ₂ O nanofluid. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019 , 41, 1	2	39
21	Entropy generation in a nanofluid-filled semi-annulus cavity by considering the shape of nanoparticles. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 138, 1607-1621	4.1	39
20	Effects of homogeneous-heterogeneous reactions and thermal radiation on magneto-hydrodynamic Cu-water nanofluid flow over an expanding flat plate with non-uniform heat source. <i>Journal of Central South University</i> , 2019 , 26, 1161-1171	2.1	37
19	Numerical and experimental analysis of a rectangular single-phase natural circulation loop with asymmetric heater position. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 130, 1343-1357	4.9	35

18	Simulation of Fe ₃ O ₄ -H ₂ O nanofluid in a triangular enclosure subjected to Cattaneo-Christov theory of heat conduction. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019 , 29, 4430-4444	4.5	31
17	A new criterion for the allocation of residues cost in exergoeconomic analysis of energy systems. <i>Energy</i> , 2010 , 35, 3474-3482	7.9	29
16	Analysis of a single-phase natural circulation loop with hybrid-nanofluid. <i>International Communications in Heat and Mass Transfer</i> , 2020 , 112, 104498	5.8	29
15	Magneto-fluid dynamic and second law analysis in a hot porous cavity filled by nanofluid and nano-encapsulated phase change material suspension with different layout of cooling channels. <i>Journal of Energy Storage</i> , 2020 , 31, 101720	7.8	24
14	Simulation of the dynamic behavior of a rectangular single-phase natural circulation vertical loop with asymmetric heater. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 139, 974-981	4.9	20
13	A theoretical nanofluid analysis exhibiting hydromagnetics characteristics employing CVFEM. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2020 , 42, 1	2	18
12	On the entropy generation for a porous enclosure subject to a magnetic field: Different orientations of cardioid geometry. <i>International Communications in Heat and Mass Transfer</i> , 2020 , 116, 104712	5.8	15
11	Thermoenviromonic optimization of gas turbine cycles with air preheat. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2011 , 225, 12-23	1.6	15
10	Forced reflood modeling in a 2 \times 2 rod bundle with a 90% partially blocked region. <i>Annals of Nuclear Energy</i> , 2019 , 131, 425-432	1.7	12
9	Exergy and exergoeconomic analyses of a novel integration of a 1000 MW pressurized water reactor power plant and a gas turbine cycle through a superheater. <i>Annals of Nuclear Energy</i> , 2018 , 115, 161-172	1.7	12
8	Effect of Inclined Magnetic Field on the Entropy Generation in an Annulus Filled with NEPCM Suspension. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-14	1.1	11
7	Investigation of sedimentation process of soluble spherical particles in a non-Newtonian medium. <i>Journal of Colloid and Interface Science</i> , 2018 , 530, 532-537	9.3	7
6	A new iterative approach to the optimization of thermal energy systems: Application to the regenerative Brayton cycle. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2010 , 224, 313-327	1.6	5
5	Entropy generation in concentric annuli of 400kV gas-insulated transmission line. <i>Thermal Science and Engineering Progress</i> , 2020 , 19, 100614	3.6	5
4	Impact of Fusion Temperature on Hydrothermal Features of Flow within an Annulus Loaded with Nanoencapsulated Phase Change Materials (NEPCMs) during Natural Convection Process. <i>Mathematical Problems in Engineering</i> , 2021 , 2021, 1-14	1.1	4
3	An experimental and numerical study on the vibration characteristics of glass fiber composite sandwich panel with lattice cores. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 146442072210758	1.3	1
2	Improved velocity and temperature profiles for integral solution in the laminar boundary layer flow on a semi-infinite flat plate. <i>Heat Transfer - Asian Research</i> , 2019 , 48, 182-215	2.8	1
1	Magneto-turbulent natural convection and entropy generation analyses in liquid sodium-filled cavity partially heated and cooled from sidewalls with circular blocks. <i>International Communications in Heat and Mass Transfer</i> , 2022 , 134, 106053	5.8	0

