Muneer A Ismael

List of Publications by Year
in descending order

57	2,822	172207 29	182168 51
papers	citations	h-index	g-index

57	57	57	1190
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Conjugate heat transfer and entropy generation in a cavity filled with a nanofluid-saturated porous media and heated by a triangular solid. Journal of the Taiwan Institute of Chemical Engineers, 2016, 59, 138-151.	2.7	168
2	Conjugate heat transfer in a porous cavity filled with nanofluids and heated by a triangular thick wall. International Journal of Thermal Sciences, 2013, 67, 135-151.	2.6	160
3	Magnetohydrodynamics Natural Convection in a Triangular Cavity Filled With a Cu-Al2O3/Water Hybrid Nanofluid With Localized Heating From Below and Internal Heat Generation. Journal of Heat Transfer, 2018, 140, .	1.2	144
4	Natural Convection in Differentially Heated Partially Porous Layered Cavities Filled with a Nanofluid. Numerical Heat Transfer; Part A: Applications, 2014, 65, 1089-1113.	1.2	139
5	Melting of nanoparticles-enhanced phase-change materials in an enclosure: Effect of hybrid nanoparticles. International Journal of Mechanical Sciences, 2017, 134, 85-97.	3.6	135
6	Entropy Generation and Natural Convection of CuO-Water Nanofluid in C-Shaped Cavity under Magnetic Field. Entropy, 2016, 18, 50.	1.1	129
7	Mixed convection of Al2O3-water nanofluid in a double lid-driven square cavity with a solid inner insert using Buongiornoâ€™s two-phase model. International Journal of Heat and Mass Transfer, 2018, 119, 939-961.	2.5	127
8	Mixed convection in superposed nanofluid and porous layers in square enclosure with inner rotating cylinder. International Journal of Mechanical Sciences, 2017, 124-125, 95-108.	3.6	125
9	Numerical analysis of natural convection of Cuâ€“water nanofluid filling triangular cavity with semicircular bottom wall. Journal of Thermal Analysis and Calorimetry, 2019, 135, 3485-3497.	2.0	124
10	Fluid-structure interaction study of natural convection heat transfer over a flexible oscillating fin in a square cavity. International Journal of Thermal Sciences, 2017, 111, 256-273.	2.6	118
11	Mixed convection in a lid-driven square cavity with partial slip. International Journal of Thermal Sciences, 2014, 82, 47-61.	2.6	113
12	Effect of nonhomogeneous nanofluid model on transient natural convection in a non-Darcy porous cavity containing an inner solid body. International Communications in Heat and Mass Transfer, 2020, 110, 104442.	2.9	82
13	MHD mixed convection of localized heat source/sink in a nanofluid-filled lid-driven square cavity with partial slip. Journal of the Taiwan Institute of Chemical Engineers, 2016, 68, 173-186.	2.7	81
14	Mixed convection in a nanofluid filled-cavity with partial slip subjected to constant heat flux and inclined magnetic field. Journal of Magnetism and Magnetic Materials, 2016, 416, 25-36.	1.0	77
15	Analysis of fluid-solid interaction in MHD natural convection in a square cavity equally partitioned by a vertical flexible membrane. Journal of Magnetism and Magnetic Materials, 2017, 424, 161-173.	1.0	77
16	Mixed convection in a partially layered porous cavity with an inner rotating cylinder. Numerical Heat Transfer; Part A: Applications, 2016, 69, 659-675.	1.2	70
17	Role of the fluid-structure interaction in mixed convection in a vented cavity. International Journal of Mechanical Sciences, 2018, 135, 190-202.	3.6	69
18	Effects of two-phase nanofluid model on MHD mixed convection in a lid-driven cavity in the presence of conductive inner block and corner heater. Journal of Thermal Analysis and Calorimetry, 2019, 135, 729-750.	2.0	60

#	Article	IF	Citations
19	Numerical Investigation of Mixed Convection and Entropy Generation in a Wavy-Walled Cavity Filled with Nanofluid and Involving a Rotating Cylinder. Entropy, 2018, 20, 664.	1.1	56
20	CONJUGATE NATURAL CONVECTION IN A DIFFERENTIALLY HEATED COMPOSITE ENCLOSURE FILLED WITH A NANOFLUID. Journal of Porous Media, 2015, 18, 699-716.	1.0	53
21	Mixed convection in a square cavity filled with CuO-water nanofluid heated by corner heater. International Journal of Mechanical Sciences, 2017, 133, 42-50.	3.6	50
22	Conjugate Heat Transfer in a Porous Cavity Heated by a Triangular Thick Wall. Numerical Heat Transfer; Part A: Applications, 2013, 63, 144-158.	1.2	43
23	Fluid-structure interaction of mixed convection in a cavity-channel assembly of flexible wall. International Journal of Mechanical Sciences, 2018, 149, 73-83.	3.6	40
24	Mixed Convection in a Ventilated Cavity Filled with a Triangular Porous Layer. Transport in Porous Media, 2017, 120, 1-21.	1.2	39
25	Magnetic Field Effect on Mixed Convection in Lid-Driven Trapezoidal Cavities Filled With a Cuâ€“Water Nanofluid With an Aiding or Opposing Side Wall. Journal of Thermal Science and Engineering Applications, 2016, 8, .	0.8	38
26	Analysis of entropy generation and natural convection in an inclined partially porous layered cavity filled with a nanofluid. Canadian Journal of Physics, 2017, 95, 238-252.	0.4	37
27	MIXED CONVECTION AND ENTROPY GENERATION IN A LID-DRIVEN CAVITY FILLED WITH A HYBRID NANOFLUID AND HEATED BY A TRIANGULAR SOLID. Heat Transfer Research, 2018, 49, 1645-1665.	0.9	37
28	Forced convection in partially compliant channel with two alternated baffles. International Journal of Heat and Mass Transfer, 2019, 142, 118455.	2.5	33
29	Analysis of power law fluid-structure interaction in an open trapezoidal cavity. International Journal of Mechanical Sciences, 2020, 174, 105481.	3.6	32
30	MHD Free Convection of Localized Heat Source/Sink in Hybrid Nanofluid-Filled Square Cavity. Journal of Nanofluids, 2020, 9, 1-12.	1.4	30
31	Controlling the natural convection of a non-Newtonian fluid using a flexible fin. Applied Mathematical Modelling, 2021, 92, 669-686.	2.2	29
32	Mixed Convection in Lid-Driven Trapezoidal Cavities with an Aiding or Opposing Side Wall. Numerical Heat Transfer; Part A: Applications, 2015, 68, 312-335.	1.2	25
33	Fluidâ€“structure interaction analysis of free convection in an inclined square cavity partitioned by a flexible impermeable membrane with sinusoidal temperature heating. Meccanica, 2017, 52, 2685-2703.	1.2	25
34	Unsteady flow and entropy analysis of nanofluids inside cubic porous container holding inserted body and wavy bottom wall. International Journal of Mechanical Sciences, 2021, 193, 106161.	3.6	25
35	DOUBLE-DIFFUSIVE MIXED CONVECTION IN A COMPOSITE POROUS ENCLOSURE WITH ARC-SHAPED MOVING WALL: TORTUOSITY EFFECT. Journal of Porous Media, 2018, 21, 343-362.	1.0	23
36	Effect of Driven Sidewalls on Mixed Convection in an Open Trapezoidal Cavity With a Channel. Journal of Heat Transfer, 2020, 142, .	1.2	22

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37	Numerical solution of mixed convection in a lid-driven cavity with arc-shaped moving wall. Engineering Computations, 2017, 34, 869-891.	0.7	21
38	Fluidâ€“structure interaction of free convection in a square cavity divided by a flexible membrane and subjected to sinusoidal temperature heating. International Journal of Numerical Methods for Heat and Fluid Flow, 2020, 30, 2883-2911.	1.6	21
39	Impact of finite wavy wall thickness on entropy generation and natural convection of nanofluid in cavity partially filled with non-Darcy porous layer. Neural Computing and Applications, 2020, 32, 13679-13699.	3.2	18
40	Transient nanofluid flow and energy dissipation from wavy surface using magnetic field and two rotating cylinders. Computers and Mathematics With Applications, 2021, 97, 329-343.	1.4	16
41	Impacts of amplitude and heat source on natural convection of hybrid nanofluids into a wavy enclosure via heatline approach. Waves in Random and Complex Media, 2023, 33, 1060-1084.	1.6	14
42	Mixed Convection and Entropy Generation of an Ag-Water Nanofluid in an Inclined L-Shaped Channel. Energies, 2019, 12, 1150.	1.6	12
43	Impinging jet into an open trapezoidal cavity partially filled with a porous layer. International Communications in Heat and Mass Transfer, 2020, 118, 104870.	2.9	12
44	Natural convection inside nanofluid superposed wavy porous layers using LTNE model. Waves in Random and Complex Media, 0, , 1-29.	1.6	12
45	MIXED CONVECTION IN A VERTICALLY LAYERED FLUID-POROUS MEDIUM ENCLOSURE WITH TWO INNER ROTATING CYLINDERS. Journal of Porous Media, 2017, 20, 491-511.	1.0	10
46	Thermal analysis of nanofluid saturated in inclined porous cavity cooled by rotating active cylinder subjected to convective condition. Journal of Thermal Analysis and Calorimetry, 2021, 144, 1299-1323.	2.0	10
47	NUMERICAL STUDY OF DOUBLE DIFFUSIVE MIXED CONVECTION IN HORIZONTAL CHANNEL WITH COMPOSITE OPEN POROUS CAVITY. Special Topics and Reviews in Porous Media, 2019, 10, 401-419.	0.6	8
48	Thermal and entropy analysis in Lâ€shaped nonâ€Ðarcian porous cavity saturated with nanofluids using Buongiorno model: Comparative study. Mathematical Methods in the Applied Sciences, 0, , .	1.2	6
49	Laminar flowmeter for mechanical ventilator: Manufacturing challenge of Covid-19 pandemic. Flow Measurement and Instrumentation, 2021, 82, 102058.	1.0	6
50	Local thermal nonequilibrium conjugate natural convection of nanoâ€encapsulated phase change particles in a partially porous enclosure. Mathematical Methods in the Applied Sciences, 0, , .	1.2	5
51	Cooling of hot cylinder placed in a flexible backward-facing step channel. Thermal Science and Engineering Progress, 2022, 33, 101364.	1.3	5
52	Experimental Investigations of Enhanced Micro Structured Heat Sinks. Journal of Physics: Conference Series, 2020, 1530, 012008.	0.3	3
53	Experimental investigation of thermal performance of the graphene-coated Al heat sink. Materials Today: Proceedings, 2021, 42, 2779-2784.	0.9	3
54	Double Diffusive Natural Convection in a Partially Layered Cavity with inner Solid Conductive Body. Scientia Iranica, 2017, .	0.3	3

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55	Improvement of Heat Sink Performance Using Graphite and Graphene Coating. Basrah Journal of Engineering Science, 2021, 21, 50-55.	0.3	1
56	Thermal performance of a vertical double-passage channel separated by a flexible thin sheet. International Communications in Heat and Mass Transfer, 2022, 137, 106238.	2.9	1
57	Numerical Investigation of Fluid-Structure Interaction with Mixed Convection in an Open Cavity of Flexible Wall: Effect of Geometrical Parameters. International Journal of Engineering and Technology(UAE), 2018, 7, 900.	0.2	0