Muneer A Ismael

List of Publications by Citations

54 papers	1,980 citations	24 h-index	44 g-index
57 ext. papers	2,412 ext. citations	3.1 avg, IF	5.91 L-index

#	Paper	IF	Citations
54	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	5.3	142
53	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	4.1	134
52	Natural Convection in Differentially Heated Partially Porous Layered Cavities Filled with a Nanofluid. *Numerical Heat Transfer; Part A: Applications*, **2014**, 65, 1089-1113	2.3	113
51	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	5.5	95
50	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,	1.8	94
49	Mixed convection in a lid-driven square cavity with partial slip. *International Journal of Thermal Sciences*, **2014**, 82, 47-61	4.1	93
48	Numerical analysis of natural convection of Cu□water nanofluid filling triangular cavity with semicircular bottom wall. *Journal of Thermal Analysis and Calorimetry*, **2019**, 135, 3485-3497	4.1	90
47	Entropy Generation and Natural Convection of CuO-Water Nanofluid in C-Shaped Cavity under Magnetic Field. *Entropy*, **2016**, 18, 50	2.8	90
46	Mixed convection of Al2O3-water nanofluid in a double lid-driven square cavity with a solid inner insert using Buongiorno□ two-phase model. *International Journal of Heat and Mass Transfer*, **2018**, 119, 939-961	4.9	88
45	Melting of nanoparticles-enhanced phase-change materials in an enclosure: Effect of hybrid nanoparticles. *International Journal of Mechanical Sciences*, **2017**, 134, 85-97	5.5	86
44	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	4.1	76
43	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	5.3	64
42	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	2.8	61
41	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	5.8	60
40	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	2.8	53
39	Mixed convection in a partially layered porous cavity with an inner rotating cylinder. *Numerical Heat Transfer; Part A: Applications*, **2016**, 69, 659-675	2.3	52
38	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	4.1	44

37	CONJUGATE NATURAL CONVECTION IN A DIFFERENTIALLY HEATED COMPOSITE ENCLOSURE FILLED WITH A NANOFLUID. *Journal of Porous Media*, **2015**, 18, 699-716	2.9	43
36	Conjugate Heat Transfer in a Porous Cavity Heated by a Triangular Thick Wall. *Numerical Heat Transfer; Part A: Applications*, **2013**, 63, 144-158	2.3	41
35	Mixed convection in a square cavity filled with CuO-water nanofluid heated by corner heater. *International Journal of Mechanical Sciences*, **2017**, 133, 42-50	5.5	41
34	Numerical Investigation of Mixed Convection and Entropy Generation in a Wavy-Walled Cavity Filled with Nanofluid and Involving a Rotating Cylinder. *Entropy*, **2018**, 20,	2.8	39
33	Role of the fluid-structure interaction in mixed convection in a vented cavity. *International Journal of Mechanical Sciences*, **2018**, 135, 190-202	5.5	36
32	Mixed Convection in a Ventilated Cavity Filled with a Triangular Porous Layer. *Transport in Porous Media*, **2017**, 120, 1-21	3.1	32
31	Magnetic Field Effect on Mixed Convection in Lid-Driven Trapezoidal Cavities Filled With a Cu□Water Nanofluid With an Aiding or Opposing Side Wall. *Journal of Thermal Science and Engineering Applications*, **2016**, 8,	1.9	31
30	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	1.1	24
29	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	1.9	23
28	Fluid-structure interaction of mixed convection in a cavity-channel assembly of flexible wall. *International Journal of Mechanical Sciences*, **2018**, 149, 73-83	5.5	23
27	Fluid□tructure 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	2.1	18
26	Forced convection in partially compliant channel with two alternated baffles. *International Journal of Heat and Mass Transfer*, **2019**, 142, 118455	4.9	18
25	Numerical solution of mixed convection in a lid-driven cavity with arc-shaped moving wall. *Engineering Computations*, **2017**, 34, 869-891	1.4	17
24	Mixed Convection in Lid-Driven Trapezoidal Cavities with an Aiding or Opposing Side Wall. *Numerical Heat Transfer; Part A: Applications*, **2015**, 68, 312-335	2.3	17
23	Analysis of power law fluid-structure interaction in an open trapezoidal cavity. *International Journal of Mechanical Sciences*, **2020**, 174, 105481	5.5	16
22	DOUBLE-DIFFUSIVE MIXED CONVECTION IN A COMPOSITE POROUS ENCLOSURE WITH ARC-SHAPED MOVING WALL: TORTUOSITY EFFECT. *Journal of Porous Media*, **2018**, 21, 343-362	2.9	16
21	MHD Free Convection of Localized Heat Source/Sink in Hybrid Nanofluid-Filled Square Cavity. *Journal of Nanofluids*, **2020**, 9, 1-12	2.2	15
20	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	5.5	12

19	Fluid-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*, **2019**, 30, 2883-2911	4.5	11
18	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	4.8	9
17	Controlling the natural convection of a non-Newtonian fluid using a flexible fin. *Applied Mathematical Modelling*, **2021**, 92, 669-686	4.5	9
16	Effect of Driven Sidewalls on Mixed Convection in an Open Trapezoidal Cavity With a Channel. *Journal of Heat Transfer*, **2020**, 142,	1.8	8
15	MIXED CONVECTION IN A VERTICALLY LAYERED FLUID-POROUS MEDIUM ENCLOSURE WITH TWO INNER ROTATING CYLINDERS. *Journal of Porous Media*, **2017**, 20, 491-511	2.9	7
14	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	2.7	7
13	Mixed Convection and Entropy Generation of an Ag-Water Nanofluid in an Inclined L-Shaped Channel. *Energies*, **2019**, 12, 1150	3.1	6
12	Impinging jet into an open trapezoidal cavity partially filled with a porous layer. *International Communications in Heat and Mass Transfer*, **2020**, 118, 104870	5.8	5
11	Local thermal nonequilibrium conjugate natural convection of nano-encapsulated phase change particles in a partially porous enclosure. *Mathematical Methods in the Applied Sciences*, **2020**,	2.3	4
10	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*,1-25	1.9	4
9	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	4.1	4
8	Thermal and entropy analysis in L-shaped non-Darcian porous cavity saturated with nanofluids using Buongiorno model: Comparative study. *Mathematical Methods in the Applied Sciences*, **2020**,	2.3	3
7	Double Diffusive Natural Convection in a Partially Layered Cavity with inner Solid Conductive Body. *Scientia Iranica*, **2017**, 0-0	1.5	2
6	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	2.5	2
5	Experimental Investigations of Enhanced Micro Structured Heat Sinks. *Journal of Physics: Conference Series*, **2020**, 1530, 012008	0.3	1
4	Laminar flowmeter for mechanical ventilator: Manufacturing challenge of Covid-19 pandemic. *Flow Measurement and Instrumentation*, **2021**, 82, 102058	2.2	1
3	Natural convection inside nanofluid superposed wavy porous layers using LTNE model. *Waves in Random and Complex Media*,1-29	1.9	0
2	Experimental investigation of thermal performance of the graphene-coated Al heat sink. *Materials Today: Proceedings*, **2021**, 42, 2779-2784	1.4	0

1	Cooling of hot cylinder placed in a flexible backward-facing step channel. *Thermal Science and Engineering Progress*, **2022**, 101364	3.6	0