

Muneer A Ismael

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Cooling of hot cylinder placed in a flexible backward-facing step channel. <i>Thermal Science and Engineering Progress</i> , 2022 , 101364	3.6	0
53	Thermal analysis of nanofluid saturated in inclined porous cavity cooled by rotating active cylinder subjected to convective condition. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 144, 1299-1323	4.1	4
52	Controlling the natural convection of a non-Newtonian fluid using a flexible fin. <i>Applied Mathematical Modelling</i> , 2021 , 92, 669-686	4.5	9
51	Unsteady flow and entropy analysis of nanofluids inside cubic porous container holding inserted body and wavy bottom wall. <i>International Journal of Mechanical Sciences</i> , 2021 , 193, 106161	5.5	12
50	Experimental investigation of thermal performance of the graphene-coated Al heat sink. <i>Materials Today: Proceedings</i> , 2021 , 42, 2779-2784	1.4	0
49	Transient nanofluid flow and energy dissipation from wavy surface using magnetic field and two rotating cylinders. <i>Computers and Mathematics With Applications</i> , 2021 , 97, 329-343	2.7	7
48	Laminar flowmeter for mechanical ventilator: Manufacturing challenge of Covid-19 pandemic. <i>Flow Measurement and Instrumentation</i> , 2021 , 82, 102058	2.2	1
47	Local thermal nonequilibrium conjugate natural convection of nano-encapsulated phase change particles in a partially porous enclosure. <i>Mathematical Methods in the Applied Sciences</i> , 2020 ,	2.3	4
46	Impact of finite wavy wall thickness on entropy generation and natural convection of nanofluid in cavity partially filled with non-Darcy porous layer. <i>Neural Computing and Applications</i> , 2020 , 32, 13679-13699	4.8	9
45	Analysis of power law fluid-structure interaction in an open trapezoidal cavity. <i>International Journal of Mechanical Sciences</i> , 2020 , 174, 105481	5.5	16
44	Effect of Driven Sidewalls on Mixed Convection in an Open Trapezoidal Cavity With a Channel. <i>Journal of Heat Transfer</i> , 2020 , 142,	1.8	8
43	MHD Free Convection of Localized Heat Source/Sink in Hybrid Nanofluid-Filled Square Cavity. <i>Journal of Nanofluids</i> , 2020 , 9, 1-12	2.2	15
42	Effect of nonhomogeneous nanofluid model on transient natural convection in a non-Darcy porous cavity containing an inner solid body. <i>International Communications in Heat and Mass Transfer</i> , 2020 , 110, 104442	5.8	60
41	Impinging jet into an open trapezoidal cavity partially filled with a porous layer. <i>International Communications in Heat and Mass Transfer</i> , 2020 , 118, 104870	5.8	5
40	Experimental Investigations of Enhanced Micro Structured Heat Sinks. <i>Journal of Physics: Conference Series</i> , 2020 , 1530, 012008	0.3	1
39	Thermal and entropy analysis in L-shaped non-Darcian porous cavity saturated with nanofluids using Buongiorno model: Comparative study. <i>Mathematical Methods in the Applied Sciences</i> , 2020 ,	2.3	3
38	Fluid-structure interaction of free convection in a square cavity divided by a flexible membrane and subjected to sinusoidal temperature heating. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019 , 30, 2883-2911	4.5	11

37	Mixed Convection and Entropy Generation of an Ag-Water Nanofluid in an Inclined L-Shaped Channel. <i>Energies</i> , 2019 , 12, 1150	3.1	6
36	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. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 135, 729-750	4.1	44
35	Numerical analysis of natural convection of Cu-water nanofluid filling triangular cavity with semicircular bottom wall. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 135, 3485-3497	4.1	90
34	Forced convection in partially compliant channel with two alternated baffles. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 142, 118455	4.9	18
33	NUMERICAL STUDY OF DOUBLE DIFFUSIVE MIXED CONVECTION IN HORIZONTAL CHANNEL WITH COMPOSITE OPEN POROUS CAVITY. <i>Special Topics and Reviews in Porous Media</i> , 2019 , 10, 401-419	2.5	2
32	Magnetohydrodynamics Natural Convection in a Triangular Cavity Filled With a Cu-Al ₂ O ₃ /Water Hybrid Nanofluid With Localized Heating From Below and Internal Heat Generation. <i>Journal of Heat Transfer</i> , 2018 , 140,	1.8	94
31	Mixed convection of Al ₂ O ₃ -water nanofluid in a double lid-driven square cavity with a solid inner insert using Buongiorno's two-phase model. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 119, 939-961	4.9	88
30	Role of the fluid-structure interaction in mixed convection in a vented cavity. <i>International Journal of Mechanical Sciences</i> , 2018 , 135, 190-202	5.5	36
29	MIXED CONVECTION AND ENTROPY GENERATION IN A LID-DRIVEN CAVITY FILLED WITH A HYBRID NANOFLUID AND HEATED BY A TRIANGULAR SOLID. <i>Heat Transfer Research</i> , 2018 , 49, 1645-1665	2.9	23
28	DOUBLE-DIFFUSIVE MIXED CONVECTION IN A COMPOSITE POROUS ENCLOSURE WITH ARC-SHAPED MOVING WALL: TORTUOSITY EFFECT. <i>Journal of Porous Media</i> , 2018 , 21, 343-362	2.9	16
27	Fluid-structure interaction of mixed convection in a cavity-channel assembly of flexible wall. <i>International Journal of Mechanical Sciences</i> , 2018 , 149, 73-83	5.5	23
26	Numerical Investigation of Mixed Convection and Entropy Generation in a Wavy-Walled Cavity Filled with Nanofluid and Involving a Rotating Cylinder. <i>Entropy</i> , 2018 , 20,	2.8	39
25	Mixed convection in superposed nanofluid and porous layers in square enclosure with inner rotating cylinder. <i>International Journal of Mechanical Sciences</i> , 2017 , 124-125, 95-108	5.5	95
24	Fluid-structure interaction analysis of free convection in an inclined square cavity partitioned by a flexible impermeable membrane with sinusoidal temperature heating. <i>Meccanica</i> , 2017 , 52, 2685-2703	2.1	18
23	Analysis of entropy generation and natural convection in an inclined partially porous layered cavity filled with a nanofluid. <i>Canadian Journal of Physics</i> , 2017 , 95, 238-252	1.1	24
22	Numerical solution of mixed convection in a lid-driven cavity with arc-shaped moving wall. <i>Engineering Computations</i> , 2017 , 34, 869-891	1.4	17
21	Mixed Convection in a Ventilated Cavity Filled with a Triangular Porous Layer. <i>Transport in Porous Media</i> , 2017 , 120, 1-21	3.1	32
20	Melting of nanoparticles-enhanced phase-change materials in an enclosure: Effect of hybrid nanoparticles. <i>International Journal of Mechanical Sciences</i> , 2017 , 134, 85-97	5.5	86

19	Mixed convection in a square cavity filled with CuO-water nanofluid heated by corner heater. <i>International Journal of Mechanical Sciences</i> , 2017 , 133, 42-50	5.5	41
18	Fluid-structure interaction study of natural convection heat transfer over a flexible oscillating fin in a square cavity. <i>International Journal of Thermal Sciences</i> , 2017 , 111, 256-273	4.1	76
17	Analysis of fluid-solid interaction in MHD natural convection in a square cavity equally partitioned by a vertical flexible membrane. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 424, 161-173	2.8	53
16	MIXED CONVECTION IN A VERTICALLY LAYERED FLUID-POROUS MEDIUM ENCLOSURE WITH TWO INNER ROTATING CYLINDERS. <i>Journal of Porous Media</i> , 2017 , 20, 491-511	2.9	7
15	Double Diffusive Natural Convection in a Partially Layered Cavity with inner Solid Conductive Body. <i>Scientia Iranica</i> , 2017 , 0-0	1.5	2
14	Mixed convection in a partially layered porous cavity with an inner rotating cylinder. <i>Numerical Heat Transfer; Part A: Applications</i> , 2016 , 69, 659-675	2.3	52
13	Conjugate heat transfer and entropy generation in a cavity filled with a nanofluid-saturated porous media and heated by a triangular solid. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 59, 138-151	5.3	142
12	Entropy Generation and Natural Convection of CuO-Water Nanofluid in C-Shaped Cavity under Magnetic Field. <i>Entropy</i> , 2016 , 18, 50	2.8	90
11	Magnetic Field Effect on Mixed Convection in Lid-Driven Trapezoidal Cavities Filled With a Cu/Water Nanofluid With an Aiding or Opposing Side Wall. <i>Journal of Thermal Science and Engineering Applications</i> , 2016 , 8,	1.9	31
10	Mixed convection in a nanofluid filled-cavity with partial slip subjected to constant heat flux and inclined magnetic field. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 416, 25-36	2.8	61
9	MHD mixed convection of localized heat source/sink in a nanofluid-filled lid-driven square cavity with partial slip. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 68, 173-186	5.3	64
8	Mixed Convection in Lid-Driven Trapezoidal Cavities with an Aiding or Opposing Side Wall. <i>Numerical Heat Transfer; Part A: Applications</i> , 2015 , 68, 312-335	2.3	17
7	CONJUGATE NATURAL CONVECTION IN A DIFFERENTIALLY HEATED COMPOSITE ENCLOSURE FILLED WITH A NANOFLUID. <i>Journal of Porous Media</i> , 2015 , 18, 699-716	2.9	43
6	Mixed convection in a lid-driven square cavity with partial slip. <i>International Journal of Thermal Sciences</i> , 2014 , 82, 47-61	4.1	93
5	Natural Convection in Differentially Heated Partially Porous Layered Cavities Filled with a Nanofluid. <i>Numerical Heat Transfer; Part A: Applications</i> , 2014 , 65, 1089-1113	2.3	113
4	Conjugate Heat Transfer in a Porous Cavity Heated by a Triangular Thick Wall. <i>Numerical Heat Transfer; Part A: Applications</i> , 2013 , 63, 144-158	2.3	41
3	Conjugate heat transfer in a porous cavity filled with nanofluids and heated by a triangular thick wall. <i>International Journal of Thermal Sciences</i> , 2013 , 67, 135-151	4.1	134
2	Natural convection inside nanofluid superposed wavy porous layers using LTNE model. <i>Waves in Random and Complex Media</i> , 1-29	1.9	0

1	Impacts of amplitude and heat source on natural convection of hybrid nanofluids into a wavy enclosure via heatline approach. <i>Waves in Random and Complex Media</i> ,1-25	1.9	4
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