

Muneer A Ismael

List of Publications by Year in descending order

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docs citations

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times ranked

1190
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#	ARTICLE	IF	CITATIONS
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> , 2023, 33, 1060-1084.	1.6	14
2	Cooling of hot cylinder placed in a flexible backward-facing step channel. <i>Thermal Science and Engineering Progress</i> , 2022, 33, 101364.	1.3	5
3	Thermal performance of a vertical double-passage channel separated by a flexible thin sheet. <i>International Communications in Heat and Mass Transfer</i> , 2022, 137, 106238.	2.9	1
4	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.	2.0	10
5	Controlling the natural convection of a non-Newtonian fluid using a flexible fin. <i>Applied Mathematical Modelling</i> , 2021, 92, 669-686.	2.2	29
6	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.	3.6	25
7	Experimental investigation of thermal performance of the graphene-coated Al heat sink. <i>Materials Today: Proceedings</i> , 2021, 42, 2779-2784.	0.9	3
8	Improvement of Heat Sink Performance Using Graphite and Graphene Coating. <i>Basrah Journal of Engineering Science</i> , 2021, 21, 50-55.	0.3	1
9	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.	1.4	16
10	Laminar flowmeter for mechanical ventilator: Manufacturing challenge of Covid-19 pandemic. <i>Flow Measurement and Instrumentation</i> , 2021, 82, 102058.	1.0	6
11	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> , 2020, 30, 2883-2911.	1.6	21
12	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.	2.9	82
13	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.	2.9	12
14	Experimental Investigations of Enhanced Micro Structured Heat Sinks. <i>Journal of Physics: Conference Series</i> , 2020, 1530, 012008.	0.3	3
15	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.	3.2	18
16	Analysis of power law fluid-structure interaction in an open trapezoidal cavity. <i>International Journal of Mechanical Sciences</i> , 2020, 174, 105481.	3.6	32
17	Effect of Driven Sidewalls on Mixed Convection in an Open Trapezoidal Cavity With a Channel. <i>Journal of Heat Transfer</i> , 2020, 142, .	1.2	22
18	MHD Free Convection of Localized Heat Source/Sink in Hybrid Nanofluid-Filled Square Cavity. <i>Journal of Nanofluids</i> , 2020, 9, 1-12.	1.4	30

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19	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.	2.0	60
20	Numerical analysis of natural convection of Cu \AA water nanofluid filling triangular cavity with semicircular bottom wall. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 3485-3497.	2.0	124
21	Forced convection in partially compliant channel with two alternated baffles. <i>International Journal of Heat and Mass Transfer</i> , 2019, 142, 118455.	2.5	33
22	Mixed Convection and Entropy Generation of an Ag-Water Nanofluid in an Inclined L-Shaped Channel. <i>Energies</i> , 2019, 12, 1150.	1.6	12
23	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.	0.6	8
24	Magnetohydrodynamics Natural Convection in a Triangular Cavity Filled With a Cu-Al 2O_3 /Water Hybrid Nanofluid With Localized Heating From Below and Internal Heat Generation. <i>Journal of Heat Transfer</i> , 2018, 140, .	1.2	144
25	Mixed convection of Al 2O_3 -water nanofluid in a double lid-driven square cavity with a solid inner insert using Buongiorno \AA s two-phase model. <i>International Journal of Heat and Mass Transfer</i> , 2018, 119, 939-961.	2.5	127
26	Role of the fluid-structure interaction in mixed convection in a vented cavity. <i>International Journal of Mechanical Sciences</i> , 2018, 135, 190-202.	3.6	69
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.	3.6	40
28	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, 664.	1.1	56
29	Numerical Investigation of Fluid-Structure Interaction with Mixed Convection in an Open Cavity of Flexible Wall: Effect of Geometrical Parameters. <i>International Journal of Engineering and Technology(UAE)</i> , 2018, 7, 900.	0.2	0
30	MIXED CONVECTION AND ENTROPY GENERATION IN A LID-DRIVEN CAVITY FILLED WITH A HYBRID NANOFUID AND HEATED BY A TRIANGULAR SOLID. <i>Heat Transfer Research</i> , 2018, 49, 1645-1665.	0.9	37
31	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.	1.0	23
32	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.	3.6	125
33	Fluid \AA 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.	1.2	25
34	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.	0.4	37
35	Numerical solution of mixed convection in a lid-driven cavity with arc-shaped moving wall. <i>Engineering Computations</i> , 2017, 34, 869-891.	0.7	21
36	Mixed Convection in a Ventilated Cavity Filled with a Triangular Porous Layer. <i>Transport in Porous Media</i> , 2017, 120, 1-21.	1.2	39

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37	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.	3.6	135
38	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.	3.6	50
39	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.	2.6	118
40	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.	1.0	77
41	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.	1.0	10
42	Double Diffusive Natural Convection in a Partially Layered Cavity with inner Solid Conductive Body. <i>Scientia Iranica</i> , 2017, .	0.3	3
43	Entropy Generation and Natural Convection of CuO-Water Nanofluid in C-Shaped Cavity under Magnetic Field. <i>Entropy</i> , 2016, 18, 50.	1.1	129
44	Magnetic Field Effect on Mixed Convection in Lid-Driven Trapezoidal Cavities Filled With a CuO-Water Nanofluid With an Aiding or Opposing Side Wall. <i>Journal of Thermal Science and Engineering Applications</i> , 2016, 8, .	0.8	38
45	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.	1.0	77
46	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.	2.7	81
47	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.	1.2	70
48	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.	2.7	168
49	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.	1.2	25
50	CONJUGATE NATURAL CONVECTION IN A DIFFERENTIALLY HEATED COMPOSITE ENCLOSURE FILLED WITH A NANOFLUID. <i>Journal of Porous Media</i> , 2015, 18, 699-716.	1.0	53
51	Mixed convection in a lid-driven square cavity with partial slip. <i>International Journal of Thermal Sciences</i> , 2014, 82, 47-61.	2.6	113
52	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.	1.2	139
53	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.	1.2	43
54	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.	2.6	160

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55	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> , 0, , .	1.2	6
56	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> , 0, , .	1.2	5
57	Natural convection inside nanofluid superposed wavy porous layers using LTNE model. <i>Waves in Random and Complex Media</i> , 0, , 1-29.	1.6	12