

# Ammar Alsabery

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/3818047/ammamr-alsabery-publications-by-year.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

78 papers	1,944 citations	27 h-index	41 g-index
82 ext. papers	2,441 ext. citations	3.9 avg, IF	6.07 L-index

#	Paper	IF	Citations
78	Energy transport of wavy non-homogeneous hybrid nanofluid cavity partially filled with porous LTNE layer. <i>Journal of Petroleum Science and Engineering</i> , <b>2022</b> , 208, 109655	4.4	3
77	A review on applications and techniques of improving the performance of heat pipe-solar collector systems. <i>Solar Energy</i> , <b>2022</b> , 236, 417-433	6.8	4
76	Impacts of two-phase nanofluid approach toward forced convection heat transfer within a 3D wavy horizontal channel. <i>Chinese Journal of Physics</i> , <b>2022</b> , 77, 350-365	3.5	2
75	Nanofluid mixed convection inside wavy cavity with heat source: A non-homogeneous study. <i>Case Studies in Thermal Engineering</i> , <b>2022</b> , 34, 102049	5.6	0
74	Impact of particles tracking model of nanofluid on forced convection heat transfer within a wavy horizontal channel. <i>International Communications in Heat and Mass Transfer</i> , <b>2021</b> , 122, 105176	5.8	15
73	Impacts of Amplitude and Local Thermal Non-Equilibrium Design on Natural Convection within NanoFluid Superposed Wavy Porous Layers. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	3
72	Numerical and Theoretical Study of Performance and Mechanical Behavior of PEM-FC Using Innovative Channel Geometrical Configurations. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 5597	2.6	3
71	Entropy generation of nanomaterial through a tube considering swirl flow tools. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 144, 1597-1612	4.1	9
70	Heatline visualization of mixed convection inside double lid-driven cavity having heated wavy wall. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2021</b> , 145, 3159-3176	4.1	4
69	Impact of heat source on combined convection flow inside wavy-walled cavity filled with nanofluids via heatline concept. <i>Applied Mathematics and Computation</i> , <b>2021</b> , 393, 125754	2.7	8
68	Modification for helical turbulator to augment heat transfer behavior of nanomaterial via numerical approach. <i>Applied Thermal Engineering</i> , <b>2021</b> , 182, 115935	5.8	118
67	Impact of two-phase hybrid nanofluid approach on mixed convection inside wavy lid-driven cavity having localized solid block. <i>Journal of Advanced Research</i> , <b>2021</b> , 30, 63-74	13	33
66	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> , <b>2021</b> , 193, 106161	5.5	12
65	MIXED CONVECTION HEAT TRANSFER OF SIO <sub>2</sub> -WATER AND ALUMINA-PAO NANO-LUBRICANTS USED IN A MECHANICAL BALL BEARING. <i>Journal of Thermal Engineering</i> , <b>2021</b> , 7, 134-161	1.1	2
64	Entropy production and mixed convection within trapezoidal cavity having nanofluids and localised solid cylinder. <i>Scientific Reports</i> , <b>2021</b> , 11, 14700	4.9	8
63	Entropy generation and natural convection of nanofluids in a trapezoidal cavity having an innersolid cylinder. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 1988, 012012	0.3	
62	Transient nanofluid flow and energy dissipation from wavy surface using magnetic field and two rotating cylinders. <i>Computers and Mathematics With Applications</i> , <b>2021</b> , 97, 329-343	2.7	7

61	Mixed Convection in a Double Lid-Driven Cavity Filled with Hybrid Nanofluid by Using Finite Volume Method. <i>Symmetry</i> , <b>2020</b> , 12, 1977	2.7	7
60	Impacts of non-homogeneous nanofluid approach and orientation angle on convection heat transfer within a 3D wavy cavity. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2020</b> , 765, 012035	0.4	0
59	Convection Heat Transfer in 3D Wavy Direct Absorber Solar Collector Based on Two-Phase Nanofluid Approach. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 7265	2.6	3
58	Nanoparticle impact on discharging of PCM through a thermal storage involving numerical modeling for heat transfer and irreversibility. <i>Powder Technology</i> , <b>2020</b> , 376, 424-437	5.2	8
57	Entropy Generation and Mixed Convection Flow Inside a Wavy-Walled Enclosure Containing a Rotating Solid Cylinder and a Heat Source. <i>Entropy</i> , <b>2020</b> , 22,	2.8	10
56	Magnetohydrodynamics energy transport inside a double lid-driven wavy-walled chamber: Impacts of inner solid cylinder and two-phase nanofluid approach. <i>International Journal of Mechanical Sciences</i> , <b>2020</b> , 184, 105846	5.5	11
55	Entropy Generation and Natural Convection Flow of Hybrid Nanofluids in a Partially Divided Wavy Cavity Including Solid Blocks. <i>Energies</i> , <b>2020</b> , 13, 2942	3.1	23
54	Fluid-structure interaction of a hot flexible thin plate inside an enclosure. <i>International Journal of Thermal Sciences</i> , <b>2020</b> , 153, 106340	4.1	11
53	Role of Rotating Cylinder toward Mixed Convection inside a Wavy Heated Cavity via Two-Phase Nanofluid Concept. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	29
52	Energy transport of two-phase nanofluid approach inside a three-dimensional lid-driven cubic cavity containing solid cylinder and heat source. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2020</b> , 154, 108010	3.7	6
51	Controlling the natural convection flow through a flexible baffle in an L-shaped enclosure. <i>Meccanica</i> , <b>2020</b> , 55, 1561-1584	2.1	9
50	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> , <b>2020</b> , 32, 13679-13699	4.8	9
49	Heatlines visualisation of mixed convection flow in a wavy heated cavity filled with nanofluids and having an inner solid block. <i>International Journal of Mechanical Sciences</i> , <b>2020</b> , 175, 105529	5.5	35
48	Numerical study of conjugate natural convection heat transfer of a blood filled horizontal concentric annulus. <i>International Communications in Heat and Mass Transfer</i> , <b>2020</b> , 114, 104568	5.8	8
47	Impact of Partial Slip on Magneto-Ferrofluids Mixed Convection Flow in Enclosure. <i>Journal of Thermal Science and Engineering Applications</i> , <b>2020</b> , 12,	1.9	27
46	EFFECTS OF INTERNAL HEAT GENERATION AND PARTIAL HEATING ON TRANSIENT NATURAL CONVECTION IN AN INCLINED POROUS CAVITY USING LTNE MODEL. <i>Journal of Porous Media</i> , <b>2020</b> , 23, 139-162	2.9	3
45	Two-phase nanofluid model and magnetic field effects on mixed convection in a lid-driven cavity containing heated triangular wall. <i>AEJ - Alexandria Engineering Journal</i> , <b>2020</b> , 59, 129-148	6.1	38
44	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> , <b>2020</b> , 110, 104442	5.8	60

43	Natural convection of [Formula: see text]-water nanofluid in a non-Darcian wavy porous cavity under the local thermal non-equilibrium condition. <i>Scientific Reports</i> , <b>2020</b> , 10, 18048	4.9	15
42	Impacts of heated rotating inner cylinder and two-phase nanofluid model on entropy generation and mixed convection in a square cavity. <i>Heat and Mass Transfer</i> , <b>2020</b> , 56, 321-338	2.2	37
41	Entropy generation and natural convection in a wavy-wall cavity filled with a nanofluid and containing an inner solid cylinder. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 518, 032044	0.4	6
40	Fluid-structure interaction analysis of entropy generation and mixed convection inside a cavity with flexible right wall and heated rotating cylinder. <i>International Journal of Heat and Mass Transfer</i> , <b>2019</b> , 140, 331-345	4.9	64
39	Impacts of magnetic field and non-homogeneous nanofluid model on convective heat transfer and entropy generation in a cavity with heated trapezoidal body. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2019</b> , 138, 1371-1394	4.1	33
38	Effect of local thermal non-equilibrium model on natural convection in a nanofluid-filled wavy-walled porous cavity containing inner solid cylinder. <i>Chemical Engineering Science</i> , <b>2019</b> , 201, 247-264	4.4	98
37	Conjugate heat transfer of Al <sub>2</sub> O <sub>3</sub> -water nanofluid in a square cavity heated by a triangular thick wall using Buongiorno's two-phase model. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2019</b> , 135, 161-176	4.1	26
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> , <b>2019</b> , 135, 729-750	4.1	44
35	Fluid-structure interaction analysis of transient convection heat transfer in a cavity containing inner solid cylinder and flexible right wall. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2019</b> , 29, 3756-3780	4.5	14
34	Effect of finite wall thickness on entropy generation and natural convection in a nanofluid-filled partially heated square cavity. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2019</b> , 30, 1518-1546	4.5	21
33	Effects of nonhomogeneous nanofluid model on convective heat transfer in partially heated square cavity with conducting solid block. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2019</b> , 136, 1489-1514	4.1	6
32	Impact of nonhomogeneous nanofluid model on transient mixed convection in a double lid-driven wavy cavity involving solid circular cylinder. <i>International Journal of Mechanical Sciences</i> , <b>2019</b> , 150, 637-655	5.5	65
31	Effects of two-phase nanofluid model on convection in a double lid-driven cavity in the presence of a magnetic field. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2019</b> , 29, 1272-1299	4.5	17
30	Numerical investigation of natural convection of Al <sub>2</sub> O <sub>3</sub> -water nanofluid in a wavy cavity with conductive inner block using Buongiorno's two-phase model. <i>Advanced Powder Technology</i> , <b>2019</b> , 30, 399-414	4.6	76
29	Effects of two-phase nanofluid model and localized heat source/sink on natural convection in a square cavity with a solid circular cylinder. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2019</b> , 346, 952-981	5.7	34
28	Mixed convection of Al <sub>2</sub> O <sub>3</sub> -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> , <b>2018</b> , 119, 939-961	4.9	88
27	Conjugate natural convection of Al <sub>2</sub> O <sub>3</sub> -water nanofluid in a square cavity with a concentric solid insert using Buongiorno's two-phase model. <i>International Journal of Mechanical Sciences</i> , <b>2018</b> , 136, 200-219	5.5	57
26	MHD convective heat transfer in a discretely heated square cavity with conductive inner block using two-phase nanofluid model. <i>Scientific Reports</i> , <b>2018</b> , 8, 7410	4.9	50

25	Entropy Generation Analysis and Natural Convection in a Nanofluid-Filled Square Cavity with a Concentric Solid Insert and Different Temperature Distributions. <i>Entropy</i> , <b>2018</b> , 20,	2.8	22
24	Internal heat generation effect on transient natural convection in a nanofluid-saturated local thermal non-equilibrium porous inclined cavity. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2018</b> , 509, 275-293	3.3	55
23	Effects of Non-Homogeneous Nanofluid Model on Natural Convection in a Square Cavity in the Presence of Conducting Solid Block and Corner Heater. <i>Energies</i> , <b>2018</b> , 11, 2507	3.1	22
22	MHD Mixed Convection in a Lid-Driven Cavity with a Bottom Trapezoidal Body: Two-Phase Nanofluid Model. <i>Energies</i> , <b>2018</b> , 11, 2943	3.1	9
21	Numerical Investigation of Mixed Convection and Entropy Generation in a Wavy-Walled Cavity Filled with Nanofluid and Involving a Rotating Cylinder. <i>Entropy</i> , <b>2018</b> , 20,	2.8	39
20	Effects of two-phase nanofluid model on natural convection in a square cavity in the presence of an adiabatic inner block and magnetic field. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2018</b> , 28, 1613-1647	4.5	23
19	Fluid-structure interaction in natural convection heat transfer in an oblique cavity with a flexible oscillating fin and partial heating. <i>Applied Thermal Engineering</i> , <b>2018</b> , 145, 80-97	5.8	42
18	Effect of rotating solid cylinder on entropy generation and convective heat transfer in a wavy porous cavity heated from below. <i>International Communications in Heat and Mass Transfer</i> , <b>2018</b> , 95, 197-209	5.8	60
17	Effects of Viscous Dissipation and Radiation on MHD Natural Convection in Oblique Porous Cavity with Constant Heat Flux. <i>Advances in Applied Mathematics and Mechanics</i> , <b>2017</b> , 9, 463-484	2.1	8
16	Effect of spatial side-wall temperature variation on transient natural convection of a nanofluid in a trapezoidal cavity. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2017</b> , 27, 1365-1384	4.5	24
15	Effects of finite wall thickness and sinusoidal heating on convection in nanofluid-saturated local thermal non-equilibrium porous cavity. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2017</b> , 470, 20-38	3.3	53
14	Effects of Nonuniform Heating and Wall Conduction on Natural Convection in a Square Porous Cavity Using LTNE Model. <i>Journal of Heat Transfer</i> , <b>2017</b> , 139,	1.8	25
13	Natural Convection Flow of a Nanofluid in an Inclined Square Enclosure Partially Filled with a Porous Medium. <i>Scientific Reports</i> , <b>2017</b> , 7, 2357	4.9	53
12	Transient natural convective heat transfer in a trapezoidal cavity filled with non-Newtonian nanofluid with sinusoidal boundary conditions on both sidewalls. <i>Powder Technology</i> , <b>2017</b> , 308, 214-234	5.2	38
11	Darcian Natural Convection in an Inclined Trapezoidal Cavity Partly Filled with a Porous Layer and Partly with a Nanofluid Layer <b>2017</b> , 46, 803-815		11
10	Transient free convective heat transfer in nanoliquid-saturated porous square cavity with a concentric solid insert and sinusoidal boundary condition. <i>Superlattices and Microstructures</i> , <b>2016</b> , 100, 1006-1028	2.8	25
9	Transient natural convection heat transfer in nanoliquid-saturated porous oblique cavity using thermal non-equilibrium model. <i>International Journal of Mechanical Sciences</i> , <b>2016</b> , 114, 233-245	5.5	27
8	Darcian Natural Convection in Inclined Square Cavity Partially Filled Between the Central Square Hole Filled with a Fluid and Inside a Square Porous Cavity Filled with Nanofluid. <i>Journal of Applied Fluid Mechanics</i> , <b>2016</b> , 9, 1763-1775	1.5	2

7	Heatline visualization of conjugate natural convection in a square cavity filled with nanofluid with sinusoidal temperature variations on both horizontal walls. <i>International Journal of Heat and Mass Transfer</i> , <b>2016</b> , 100, 835-850	4.9	60
6	Heatline visualization of natural convection in a trapezoidal cavity partly filled with nanofluid porous layer and partly with non-Newtonian fluid layer. <i>Advanced Powder Technology</i> , <b>2015</b> , 26, 1230-1244	4.6	52
5	Natural convection in polygonal enclosures with inner circular cylinder. <i>Advances in Mechanical Engineering</i> , <b>2015</b> , 7, 168781401562289	1.2	9
4	Inclination angle effect on natural convection in a square cavity partially filled with non-Newtonian fluids layer <b>2015</b> ,		2
3	Natural convection inside nanofluid superposed wavy porous layers using LTNE model. <i>Waves in Random and Complex Media</i> , 1-29	1.9	0
2	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
1	Forced convection of turbulent flow into the wavy parallel channel. <i>Journal of Thermal Analysis and Calorimetry</i> , 1	4.1	0