

# Tahar Tayebi

## List of Publications by Year in descending order

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51  
papers

2,138  
citations

236925

25  
h-index

254184

43  
g-index

51  
all docs

51  
docs citations

51  
times ranked

940  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Studies on the Forced Convection of Nano-Fluids in Channels and Tubes: A Comprehensive Review. <i>Experimental Techniques</i> , 2023, 47, 47-81.	1.5	5
2	Local thermal non-equilibrium (LTNE) effects on thermal-free convection in a nanofluid-saturated horizontal elliptical non-Darcian porous annulus. <i>Mathematics and Computers in Simulation</i> , 2022, 194, 124-140.	4.4	29
3	Micropolar nanofluid thermal free convection and entropy generation through an inclined I-shaped enclosure with two hot cylinders. <i>Case Studies in Thermal Engineering</i> , 2022, 31, 101813.	5.7	29
4	Conjugate natural convection of non-Newtonian hybrid nanofluid in wavy-shaped enclosure. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2022, 43, 447-466.	3.6	29
5	Toward the thermohydrodynamic behavior of a nanofluid containing C <sub>60</sub> MWCNTs flowing through a 3D annulus channel under constant imposed heat flux. <i>Heat Transfer</i> , 2022, 51, 2524-2545.	3.0	2
6	Nanofluid mixed convection inside wavy cavity with heat source: A non-homogeneous study. <i>Case Studies in Thermal Engineering</i> , 2022, 34, 102049.	5.7	12
7	Analysis of the local non-equilibria on the heat transfer and entropy generation during thermal natural convection in a non-Darcy porous medium. <i>International Communications in Heat and Mass Transfer</i> , 2022, 135, 106133.	5.6	25
8	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> , 2021, 30, 63-74.	9.5	85
9	Analysis of thermal behavior of magnetic buoyancy-driven flow in ferrofluid-filled wavy enclosure furnished with two circular cylinders. <i>International Communications in Heat and Mass Transfer</i> , 2021, 120, 104951.	5.6	101
10	Effects of various configurations of an inserted corrugated conductive cylinder on MHD natural convection in a hybrid nanofluid-filled square domain. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 1399-1411.	3.6	33
11	MHD natural convection of a CNT-based nanofluid-filled annular circular enclosure with inner heat-generating solid cylinder. <i>European Physical Journal Plus</i> , 2021, 136, 1.	2.6	26
12	Experimental and Theoretical Investigation on a Solar Chimney System for Ventilation of a Living Room. <i>Mathematical Modelling of Engineering Problems</i> , 2021, 8, 259-266.	0.5	2
13	Impacts of Amplitude and Local Thermal Non-Equilibrium Design on Natural Convection within Nanofluid Superposed Wavy Porous Layers. <i>Nanomaterials</i> , 2021, 11, 1277.	4.1	10
14	Effect of internal heat generation or absorption on conjugate thermal-free convection of a suspension of hybrid nanofluid in a partitioned circular annulus. <i>International Communications in Heat and Mass Transfer</i> , 2021, 126, 105397.	5.6	33
15	Thermal-natural convection and entropy production behavior of hybrid nanofluid flow under the effects of magnetic field through a porous wavy cavity embodied three circular cylinders. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 124, 162-173.	5.3	70
16	Thermo-economic and entropy generation analyses of magnetic natural convective flow in a nanofluid-filled annular enclosure fitted with fins. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 46, 101274.	2.7	112
17	Numerical analysis of porous flat plate solar collector under thermal radiation and hybrid nanoparticles using two-phase model. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 47, 101404.	2.7	24
18	A comprehensive review on the application of hybrid nanofluids in solar energy collectors. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 47, 101341.	2.7	46

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19	Analysis of the effects of local thermal non-equilibrium (LTNE) on thermo-natural convection in an elliptical annular space separated by a nanofluid-saturated porous sleeve. <i>International Communications in Heat and Mass Transfer</i> , 2021, 129, 105725.	5.6	25
20	Entropy generation analysis during MHD natural convection flow of hybrid nanofluid in a square cavity containing a corrugated conducting block. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2020, 30, 1115-1136.	2.8	148
21	Natural convection analysis in a square enclosure with a wavy circular heater under magnetic field and nanoparticles. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 661-671.	3.6	149
22	Convective heat transfer performance of hybrid nanofluid in a horizontal pipe considering nanoparticles shapes effect. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 140, 411-425.	3.6	77
23	Entropy generation analysis due to MHD natural convection flow in a cavity occupied with hybrid nanofluid and equipped with a conducting hollow cylinder. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 2165-2179.	3.6	146
24	Natural convection in nanofluid filled and partially heated annulus: Effect of different arrangements of heaters. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 538, 122479.	2.6	30
25	Entropy production during natural convection of hybrid nanofluid in an annular passage between horizontal confocal elliptic cylinders. <i>International Journal of Mechanical Sciences</i> , 2020, 171, 105378.	6.7	47
26	Natural convection of $\text{Al}_2\text{O}_3$ -water nanofluid in a non-Darcian wavy porous cavity under the local thermal non-equilibrium condition. <i>Scientific Reports</i> , 2020, 10, 18048.	3.3	33
27	MHD buoyancy-driven flow in a nanofluid filled square enclosure divided by a solid conductive wall. <i>Mathematical Methods in the Applied Sciences</i> , 2020, , .	2.3	9
28	Natural convection and entropy production in hybrid nanofluid filled-annular elliptical cavity with internal heat generation or absorption. <i>Thermal Science and Engineering Progress</i> , 2020, 19, 100605.	2.7	90
29	Entropy Generation and Mixed Convection Flow Inside a Wavy-Walled Enclosure Containing a Rotating Solid Cylinder and a Heat Source. <i>Entropy</i> , 2020, 22, 606.	2.2	29
30	NUMERICAL INVESTIGATION OF NATURAL CONVECTION NANOFLUID FLOW IN AN ANNULAR SPACE BETWEEN CONFOCAL ELLIPTIC CYLINDERS AT VARIOUS GEOMETRICAL ORIENTATIONS. <i>Computational Thermal Sciences</i> , 2020, 12, 99-114.	0.9	4
31	Role of various configurations of a wavy circular heater on convective heat transfer within an enclosure filled with nanofluid. <i>International Communications in Heat and Mass Transfer</i> , 2020, 113, 104525.	5.6	54
32	Magnetohydrodynamic Natural Convection Heat Transfer of Hybrid Nanofluid in a Square Enclosure in the Presence of a Wavy Circular Conductive Cylinder. <i>Journal of Thermal Science and Engineering Applications</i> , 2020, 12, .	1.5	96
33	Entropy generation analysis of convective airflow in a solar updraft tower power plant. <i>Heat Transfer - Asian Research</i> , 2019, 48, 3885-3901.	2.8	1
34	Effect of Periodic Heating Conditions on Natural Convection in an Enclosure Filled with Copper-Water Nanofluid. <i>Journal of Nanofluids</i> , 2019, 8, 1281-1294.	2.7	3
35	Improvement of Free Convection Heat Transfer in a Concentric Cylindrical Annulus Heat Exchanger Using Nanofluid. <i>Mathematical Modelling of Engineering Problems</i> , 2019, 6, 566-574.	0.5	3
36	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> , 2018, 11, 2507.	3.1	30

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37	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> , 2018, 28, 1613-1647.	2.8	33
38	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> , 2018, 95, 197-209.	5.6	87
39	Natural convection of CNT-water nanofluid in an annular space between confocal elliptic cylinders with constant heat flux on inner wall. <i>Scientia Iranica</i> , 2018, .	0.4	5
40	Natural Convective Nanofluid Flow in an Annular Space Between Confocal Elliptic Cylinders. <i>Journal of Thermal Science and Engineering Applications</i> , 2017, 9, .	1.5	23
41	Natural convection enhancement in an eccentric horizontal cylindrical annulus using hybrid nanofluids. <i>Numerical Heat Transfer; Part A: Applications</i> , 2017, 71, 1159-1173.	2.1	66
42	BUOYANCY-DRIVEN HEAT TRANSFER ENHANCEMENT IN A SINUSOIDALLY HEATED ENCLOSURE UTILIZING HYBRID NANOFLUID. <i>Computational Thermal Sciences</i> , 2017, 9, 405-421.	0.9	51
43	Free convection enhancement in an annulus between horizontal confocal elliptical cylinders using hybrid nanofluids. <i>Numerical Heat Transfer; Part A: Applications</i> , 2016, 70, 1141-1156.	2.1	125
44	Numerical Simulation of Natural Convection of Water Based Nanofluids in Horizontal Eccentric Cylindrical Annuli. <i>Journal of Nanofluids</i> , 2016, 5, 253-263.	2.7	7
45	Free Convection in a Carbon Nanotube-Water Nanofluid Filled Enclosure with Power-Law Variation Wall Temperature. <i>Journal of Nanofluids</i> , 2016, 5, 531-542.	2.7	3
46	Effect of varying ambient temperature and solar radiation on the flow in a solar chimney collector. <i>International Journal of Smart Grid and Clean Energy</i> , 2016, , .	0.4	1
47	Numerical Study of Natural Convection Flow in a Square Cavity with Linearly Heating on Bottom Wall Using Copper-Water Nanofluid. <i>Journal of Nanofluids</i> , 2015, 4, 38-49.	2.7	8
48	Effect of Sinusoidal Thermal Boundary Condition on Natural Convection in a Cavity Filled with Cu-Water Nanofluid. <i>Journal of Nanofluids</i> , 2013, 2, 120-126.	2.7	10
49	Toward the heat convection enhancement of nanofluids flowing in a 3D microchannel affected by a nonuniform magnetic field. <i>Heat Transfer</i> , 0, , .	3.0	7
50	Analysis of hydrothermal characteristics of magnetic $Al_2O_3$ - $H_2O$ nanofluid within a novel wavy enclosure during natural convection process considering internal heat generation. <i>Mathematical Methods in the Applied Sciences</i> , 0, , .	2.3	42
51	Entropy-based analysis and economic scrutiny of magneto thermal natural convection enhancement in a nanofluid-filled porous trapezium-shaped cavity having localized baffles. <i>Waves in Random and Complex Media</i> , 0, , 1-21.	2.7	23