

Fateh Mebarek-Oudina

List of Publications by Year in descending order

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83
papers

3,872
citations

81839

39
h-index

149623

56
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84
all docs

84
docs citations

84
times ranked

953
citing authors

#	ARTICLE	IF	CITATIONS
1	Convective heat transfer of Titania nanofluids of different base fluids in cylindrical annulus with discrete heat source. <i>Heat Transfer - Asian Research</i> , 2019, 48, 135-147.	2.8	229
2	Magneto-hydrodynamic flow of molybdenum disulfide nanofluid in a channel with shape effects. <i>Multidiscipline Modeling in Materials and Structures</i> , 2019, 15, 737-757.	0.6	140
3	Entropy generation on magneto-convective flow of copper-water nanofluid in a cavity with chamfers. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 2203-2214.	2.0	111
4	Heat transport of magnetized Newtonian nanoliquids in an annular space between porous vertical cylinders with discrete heat source. <i>International Communications in Heat and Mass Transfer</i> , 2020, 117, 104737.	2.9	105
5	A study of dual stratification on stagnation point Walters' B nanofluid flow via radiative Riga plate: a statistical approach. <i>European Physical Journal Plus</i> , 2021, 136, 1.	1.2	105
6	Mixed Convective Magneto Flow of SiO ₂ -MoS ₂ /C ₂ H ₆ O ₂ Hybrid Nanoliquids Through a Vertical Stretching/Shrinking Wedge: Stability Analysis. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 9061-9073.	1.7	98
7	Influence of MWCNT/Fe ₃ O ₄ hybrid nanoparticles on an exponentially porous shrinking sheet with chemical reaction and slip boundary conditions. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 1561-1570.	2.0	95
8	Galerkin finite element analysis of thermal aspects of FeO-MWCNT/water hybrid nanofluid filled in wavy enclosure with uniform magnetic field effect. <i>International Communications in Heat and Mass Transfer</i> , 2021, 126, 105461.	2.9	90
9	Magneto-hydrodynamic natural convection of hybrid nanofluid in a porous enclosure: numerical analysis of the entropy generation. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 141, 1981-1992.	2.0	88
10	MHD Flow of a Hybrid Nano-Fluid in a Triangular Enclosure with Zigzags and an Elliptic Obstacle. <i>Micromachines</i> , 2022, 13, 224.	1.4	87
11	MHD Casson nanofluid flow over nonlinearly heated porous medium in presence of extending surface effect with suction/injection. <i>Indian Journal of Physics</i> , 2021, 95, 2703-2717.	0.9	85
12	MHD Flow of Non-Newtonian Molybdenum Disulfide Nanofluid in a Converging/Diverging Channel with Rosseland Radiation. <i>Defect and Diffusion Forum</i> , 0, 401, 92-106.	0.4	83
13	Entropy and convection effect on magnetized hybrid nano-liquid flow inside a trapezoidal cavity with zigzagged wall. <i>International Communications in Heat and Mass Transfer</i> , 2021, 125, 105279.	2.9	82
14	Radiation, Velocity and Thermal Slips Effect Toward MHD Boundary Layer Flow Through Heat and Mass Transport of Williamson Nanofluid with Porous Medium. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 16355-16369.	1.7	82
15	Numerical modeling of the hydrodynamic stability in vertical annulus with heat source of different lengths. <i>Engineering Science and Technology, an International Journal</i> , 2017, 20, 1324-1333.	2.0	79
16	Galerkin finite element analysis of magneto-hydrodynamic natural convection of Cu-water nanoliquid in a baffled U-shaped enclosure. <i>Propulsion and Power Research</i> , 2020, 9, 383-393.	2.0	77
17	Entropy generation and heat transport of Cu-water nanoliquid in porous lid-driven cavity through magnetic field. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2022, 32, 2047-2069.	1.6	77
18	Heat transfer inside a horizontal channel with an open trapezoidal enclosure subjected to a heat source of different lengths. <i>Heat Transfer - Asian Research</i> , 2020, 49, 406-423.	2.8	73

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19	Significance of exponential space- and thermal-dependent heat source effects on nanofluid flow due to radially elongated disk with Coriolis and Lorentz forces. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 141, 37-44.	2.0	73
20	Similarity solution analysis of dynamic and thermal boundary layers: further formulation along a vertical flat plate. <i>Physica Scripta</i> , 2021, 96, 085206.	1.2	70
21	Comparative Investigation of Water-Based Al ₂ O ₃ Nanoparticles Through Water-Based CuO Nanoparticles Over an Exponentially Accelerated Radiative Riga Plate Surface via Heat Transport. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 8721-8738.	1.7	69
22	Thermal energy and mass transport of shear thinning fluid under effects of low to high shear rate viscosity. <i>International Journal of Thermofluids</i> , 2022, 15, 100176.	4.0	68
23	Numerical investigation of the stagnation point flow of radiative magnetomicropolar liquid past a heated porous stretching sheet. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 6901-6912.	2.0	67
24	Optimal entropy generation in Darcy-Forchheimer magnetized flow in a square enclosure filled with silver based water nanofluid. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 1571-1581.	2.0	65
25	Heat transfer study of convective fin with temperature-dependent internal heat generation by hybrid block method. <i>Heat Transfer - Asian Research</i> , 2019, 48, 1225-1244.	2.8	64
26	Heat transport and stagnation point flow of magnetized nanofluid with variable thermal conductivity, Brownian moment, and thermophoresis aspects. <i>Heat Transfer</i> , 2021, 50, 754-767.	1.7	64
27	Mass and heat transport impact on the peristaltic flow of a Ree-Eyring liquid through variable properties for hemodynamic flow. <i>Heat Transfer</i> , 2021, 50, 5106-5122.	1.7	64
28	Buoyant Convective Flow and Heat Dissipation of Cu ₂ O Nanofluids in an Annulus Through a Thin Baffle. <i>Journal of Nanofluids</i> , 2021, 10, 292-304.	1.4	64
29	Oscillatory Magnetohydrodynamic Natural Convection of Liquid Metal between Vertical Coaxial Cylinders. <i>Journal of Applied Fluid Mechanics</i> , 2016, 9, 1655-1665.	0.4	63
30	Magnetohydrodynamic flow of nano Williamson fluid generated by stretching plate with multiple slips. <i>Multidiscipline Modeling in Materials and Structures</i> , 2019, 15, 871-894.	0.6	60
31	Numerical simulation of natural convection heat transfer of copper-water nanofluid in a vertical cylindrical annulus with heat sources. <i>Thermophysics and Aeromechanics</i> , 2019, 26, 325-334.	0.1	59
32	Numerical Study of Natural Convection Between Two Coaxial Inclined Cylinders. <i>International Journal of Heat and Technology</i> , 2019, 37, 779-786.	0.3	58
33	Review on Nano-Fluids Applications and Heat Transfer Enhancement Techniques in Different Enclosures. <i>Journal of Nanofluids</i> , 2022, 11, 155-168.	1.4	58
34	Multiple slip effects on MHD non-Newtonian nanofluid flow over a nonlinear permeable elongated sheet. <i>Multidiscipline Modeling in Materials and Structures</i> , 2019, 15, 913-931.	0.6	57
35	Implementation of the One-Step One-Hybrid Block Method on the Nonlinear Equation of a Circular Sector Oscillator. <i>Computational Mathematics and Modeling</i> , 2020, 31, 116-132.	0.2	55
36	Comparative Heat Transfer Analysis of MoS ₂ /Cu ₂ H ₆ O ₂ and SiO ₂ -MoS ₂ /Cu ₂ H ₆ O ₂ Nanofluids with Natural Convection and Inclined Magnetic Field. <i>Journal of Nanofluids</i> , 2020, 9, 161-167.	1.4	55

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37	Hydrothermal and Entropy Investigation of Ag/MgO/H ₂ O Hybrid Nanofluid Natural Convection in a Novel Shape of Porous Cavity. Applied Sciences (Switzerland), 2021, 11, 1722.	1.3	52
38	MHD Slip Flow of Cu-Kerosene Nanofluid in a Channel with Stretching Walls Using 3-Stage Lobatto IIIA Formula. Defect and Diffusion Forum, 0, 387, 51-62.	0.4	50
39	Thermal Analysis of the Solar Collector Cum Storage System Using a Hybrid-Nanofluids. Journal of Nanofluids, 2021, 10, 616-626.	1.4	49
40	Numerical Simulation of Oscillatory MHD Natural Convection in Cylindrical Annulus: Prandtl Number Effect. Defect and Diffusion Forum, 0, 387, 417-427.	0.4	47
41	Magneto-thermal-convection stability in an inclined cylindrical annulus filled with a molten metal. International Journal of Numerical Methods for Heat and Fluid Flow, 2021, 31, 1172-1189.	1.6	47
42	Numerical modeling of MHD stability in a cylindrical configuration. Journal of the Franklin Institute, 2014, 351, 667-681.	1.9	44
43	A computational analysis of heat transport irreversibility phenomenon in a magnetized porous channel. International Journal of Numerical Methods for Heat and Fluid Flow, 2021, 31, 2197-2222.	1.6	44
44	Otsu's thresholding technique for MRI image brain tumor segmentation. Multimedia Tools and Applications, 2022, 81, 43837-43849.	2.6	42
45	RSM analysis based cloud access security broker: a systematic literature review. Cluster Computing, 2022, 25, 3733-3763.	3.5	39
46	Heat Source Location Effects on Buoyant Convection of Nanofluids in an Annulus. Lecture Notes in Mechanical Engineering, 2021, , 923-937.	0.3	37
47	Natural convection analysis flow of Al ₂ O ₃ -Cu/water hybrid nanofluid in a porous conical enclosure subjected to the magnetic field. EPJ Applied Physics, 2020, 92, 10904.	0.3	34
48	Combined effects of homogeneous and heterogeneous reactions on peristalsis of Ree's liquid: Application in hemodynamic flow. Heat Transfer, 2021, 50, 2592-2609.	1.7	33
49	Natural convection of nanoliquid from elliptic cylinder in wavy enclosure under the effect of uniform magnetic field: numerical investigation. European Physical Journal Plus, 2021, 136, 1.	1.2	33
50	Combined effects of chemical reaction and variable thermal conductivity on MHD peristaltic flow of Phan-Thien-Tanner liquid through inclined channel. Case Studies in Thermal Engineering, 2022, 36, 102214.	2.8	32
51	Channel flow of MHD bingham fluid due to peristalsis with multiple chemical reactions: an application to blood flow through narrow arteries. SN Applied Sciences, 2021, 3, 1.	1.5	29
52	Influence of Bioconvection and Thermal Radiation on MHD Williamson Nano Casson Fluid Flow with the Swimming of Gyrotactic Microorganisms Due to Porous Stretching Sheet. Journal of Nanofluids, 2022, 11, 500-509.	1.4	26
53	Mixed Convection inside a Duct with an Open Trapezoidal Cavity Equipped with Two Discrete Heat Sources and Moving Walls. Mathematics, 2022, 10, 929.	1.1	24
54	Insight into the significance of ramped wall temperature and ramped surface concentration: The case of Casson fluid flow on an inclined Riga plate with heat absorption and chemical reaction. Nonlinear Engineering, 2021, 10, 213-230.	1.4	23

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55	Effect of Driven Sidewalls on Mixed Convection in an Open Trapezoidal Cavity With a Channel. Journal of Heat Transfer, 2020, 142, .	1.2	22
56	Modeling of a MED-TVC desalination system by considering the effects of nanoparticles: energetic and exergetic analysis. Journal of Thermal Analysis and Calorimetry, 2021, 144, 2675.	2.0	21
57	Convection Heat Transfer of MgO-Ag /Water Magneto-Hybrid Nanoliquid Flow into a Special Porous Enclosure. Algerian Journal of Renewable Energy and Sustainable Development, 2020, 2, 84-95.	0.5	20
58	Numerical Investigation of Gas-Liquid Two-Phase Flows in a Cylindrical Channel. Defect and Diffusion Forum, 0, 409, 39-48.	0.4	19
59	Magneto-Free Convective of Hybrid Nanofluid inside Non-Darcy Porous Enclosure Containing an Adiabatic Rotating Cylinder. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-16.	1.2	17
60	Magneto-hydrodynamic Free Convection Through Entropy Generation Scrutiny of Eco-Friendly Nanoliquid in a Divided L-Shaped Heat Exchanger with Lattice Boltzmann Method Simulation. Journal of Nanofluids, 2022, 11, 99-112.	1.4	17
61	Simulation and Analysis with Wavelet Transform Technique and the Vibration Characteristics for Early Revealing of Cracks in Structures. Mathematical Problems in Engineering, 2021, 2021, 1-16.	0.6	13
62	Impact of Electroosmosis and Wall Properties in Modelling Peristaltic Mechanism of a Jeffrey Liquid through a Microchannel with Variable Fluid Properties. Inventions, 2021, 6, 73.	1.3	13
63	Impact of thermal and solute source-sink combination on thermosolutal convection in a partially active porous annulus. Physica Scripta, 2022, 97, 055206.	1.2	13
64	Flat sheet direct contact membrane distillation desalination system using temperature-dependent correlations: thermal efficiency via a multi-parameter sensitivity analysis based on Monte Carlo method. Journal of Thermal Analysis and Calorimetry, 2021, 144, 2641.	2.0	12
65	Natural Convection Enhancement in the Annuli Between Two Homocentric Cylinders by Using Ethylene Glycol / Water Based Titania Nanofluid. Journal of Advanced Research in Fluid Mechanics and Thermal Sciences, 2021, 80, 56-73.	0.3	10
66	Pressure-Driven Gas Flows in Micro Channels with a Slip Boundary: A Numerical Investigation. Fluid Dynamics and Materials Processing, 2020, 16, 147-159.	0.5	9
67	Analysis of third-grade liquid under the influence of wall slip and variable fluid properties in an inclined peristaltic channel. Heat Transfer, 2022, 51, 6528-6547.	1.7	9
68	Mixed Convection in a Two-Sided Lid-Driven Square Cavity Filled with Different Types of Nanoparticles: A Comparative Study Assuming Nanoparticles with Different Shapes. Fluid Dynamics and Materials Processing, 2021, 17, 789-819.	0.5	8
69	Slip Effects on a Ree-Eyring Liquid Peristaltic Flow Towards an Inclined Channel and Variable Liquid Properties. Journal of Nanofluids, 2021, 10, 246-258.	1.4	7
70	Shape effect of MoS ₂ nanoparticles on entropy generation and heat transport in viscoelastic boundary layer flow. Pramana - Journal of Physics, 2021, 95, 1.	0.9	7
71	Impact of surface temperature and convective boundary conditions on a Nanofluid flow over a radially stretched Riga plate. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2022, 236, 942-952.	1.4	7
72	Electro-kinetically modulated peristaltic mechanism of Jeffrey liquid through a micro-channel with variable viscosity. Thermal Science, 2021, 25, 271-277.	0.5	6

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73	Unsteady Magnetohydrodynamic Convective Flow of a Nanoliquid via a Radially Stretched Riga Area via Optimal Homotopy Analysis Method. <i>Journal of Nanofluids</i> , 2022, 11, 84-98.	1.4	6
74	Magnetohydrodynamic peristaltic flow of Bingham fluid in a channel: An application to blood flow. <i>Journal of Mechanical Engineering and Sciences</i> , 2021, 15, 8082-8094.	0.3	5
75	Examination of Chemical Reaction on Three Dimensional Mixed Convective Magnetohydrodynamic Jeffrey Nanofluid Over a Stretching Sheet. <i>Journal of Nanofluids</i> , 2022, 11, 113-124.	1.4	5
76	Convective heat transfer of magneto flow of Fe ₃ O ₄ -MWCNT/H ₂ O hybrid nanofluid in a porous space between two concentric cylinders. , 2021, , 55-74.		4
77	Convection Heat Transfer Analysis in a Channel with an Open Trapezoidal Cavity: Heat Source Locations effect. <i>MATEC Web of Conferences</i> , 2020, 330, 01006.	0.1	4
78	Electro-osmosis modulated peristaltic flow of non-Newtonian liquid via a microchannel and variable liquid properties. <i>Indian Journal of Physics</i> , 2022, 96, 3853-3866.	0.9	4
79	MHD Carreau nanoliquid flow over a nonlinear stretching surface. <i>Heat Transfer</i> , 2022, 51, 5262-5287.	1.7	4
80	Natural convection investigation under influence of internal bodies within a nanofluid-filled square cavity. <i>European Physical Journal: Special Topics</i> , 2022, 231, 2605-2621.	1.2	3
81	Green Designs in Hydraulicsâ€™ Construction Infrastructures for Safe Agricultural Tourism and Sustainable Sports Tourism Facilities Mitigating Risks of Tourism in Crisis at Post COVID-19 Era. <i>Smart Innovation, Systems and Technologies</i> , 2022, , 37-47.	0.5	3
82	Prioritisation of pharmaceutical in effluent considering its biohazard. , 2021, , 47-67.		0
83	Pharmaceutical presence in effluent detected till date. , 2021, , 95-111.		0