

Fateh Mebarek-Oudina

List of Publications by Year in descending order

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83
papers

3,872
citations

81839

39
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149623

56
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84
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84
docs citations

84
times ranked

953
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal entropy generation in Darcy-Forchheimer magnetized flow in a square enclosure filled with silver based water nanoliquid. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 1571-1581.	2.0	65
2	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
3	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
4	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
5	Impact of surface temperature and convective boundary conditions on a Nanofluid flow over a radially stretched Riga plate. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2022, 236, 942-952.	1.4	7
6	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
7	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
8	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
9	Magnetohydrodynamic Free Convection Through Entropy Generation Scrutiny of Eco-Friendly Nanoliquid in a Divided L-Shaped Heat Exchanger with Lattice Boltzmann Method Simulation. <i>Journal of Nanofluids</i> , 2022, 11, 99-112.	1.4	17
10	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
11	Mixed Convection inside a Duct with an Open Trapezoidal Cavity Equipped with Two Discrete Heat Sources and Moving Walls. <i>Mathematics</i> , 2022, 10, 929.	1.1	24
12	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
13	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
14	Impact of thermal and solute source-sink combination on thermosolutal convection in a partially active porous annulus. <i>Physica Scripta</i> , 2022, 97, 055206.	1.2	13
15	MHD Carreau nanoliquid flow over a nonlinear stretching surface. <i>Heat Transfer</i> , 2022, 51, 5262-5287.	1.7	4
16	RSM analysis based cloud access security broker: a systematic literature review. <i>Cluster Computing</i> , 2022, 25, 3733-3763.	3.5	39
17	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
18	Analysis of third-grade liquid under the influence of wall slip and variable fluid properties in an inclined peristaltic channel. <i>Heat Transfer</i> , 2022, 51, 6528-6547.	1.7	9

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19	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
20	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
21	Otsuâ€™s thresholding technique for MRI image brain tumor segmentation. <i>Multimedia Tools and Applications</i> , 2022, 81, 43837-43849.	2.6	42
22	Combined effects of chemical reaction and variable thermal conductivity on MHD peristaltic flow of Phan-Thien-Tanner liquid through inclined channel. <i>Case Studies in Thermal Engineering</i> , 2022, 36, 102214.	2.8	32
23	Influence of Bioconvection and Thermal Radiation on MHD Williamson Nano Casson Fluid Flow with the Swimming of Gyrotactic Microorganisms Due to Porous Stretching Sheet. <i>Journal of Nanofluids</i> , 2022, 11, 500-509.	1.4	26
24	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
25	Entropy generation on magneto-convective flow of copperâ€“water nanofluid in a cavity with chamfers. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 2203-2214.	2.0	111
26	Combined effects of homogeneous and heterogeneous reactions on peristalsis of Reeâ€™Eyring liquid: Application in hemodynamic flow. <i>Heat Transfer</i> , 2021, 50, 2592-2609.	1.7	33
27	Magneto-thermal-convection stability in an inclined cylindrical annulus filled with a molten metal. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2021, 31, 1172-1189.	1.6	47
28	Heat transport and stagnationâ€™point flow of magnetized nanoliquid with variable thermal conductivity, Brownian moment, and thermophoresis aspects. <i>Heat Transfer</i> , 2021, 50, 754-767.	1.7	64
29	Mixed Convection in a Two-Sided Lid-Driven Square Cavity Filled with Different Types of Nanoparticles: A Comparative Study Assuming Nanoparticles with Different Shapes. <i>Fluid Dynamics and Materials Processing</i> , 2021, 17, 789-819.	0.5	8
30	Channel flow of MHD bingham fluid due to peristalsis with multiple chemical reactions: an application to blood flow through narrow arteries. <i>SN Applied Sciences</i> , 2021, 3, 1.	1.5	29
31	Modeling of a MED-TVC desalination system by considering the effects of nanoparticles: energetic and exergetic analysis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 144, 2675.	2.0	21
32	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
33	Simulation and Analysis with Wavelet Transform Technique and the Vibration Characteristics for Early Revealing of Cracks in Structures. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-16.	0.6	13
34	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. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 144, 2641.	2.0	12
35	Natural Convection Enhancement in the Annuli Between Two Homocentric Cylinders by Using Ethylene Glycol / Water Based Titania Nanofluid. <i>Journal of Advanced Research in Fluid Mechanics and Thermal Sciences</i> , 2021, 80, 56-73.	0.3	10
36	Hydrothermal and Entropy Investigation of Ag/MgO/H ₂ O Hybrid Nanofluid Natural Convection in a Novel Shape of Porous Cavity. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1722.	1.3	52

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37	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
38	Natural convection of nanoliquid from elliptic cylinder in wavy enclosure under the effect of uniform magnetic field: numerical investigation. <i>European Physical Journal Plus</i> , 2021, 136, 1.	1.2	33
39	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
40	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
41	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
42	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
43	Slip Effects on a Ree-Eyring Liquid Peristaltic Flow Towards an Inclined Channel and Variable Liquid Properties. <i>Journal of Nanofluids</i> , 2021, 10, 246-258.	1.4	7
44	Buoyant Convective Flow and Heat Dissipation of Cu ₂ O Nanoliquids in an Annulus Through a Thin Baffle. <i>Journal of Nanofluids</i> , 2021, 10, 292-304.	1.4	64
45	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
46	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
47	Prioritisation of pharmaceutical in effluent considering its biohazard. , 2021, , 47-67.		0
48	Pharmaceutical presence in effluent detected till date. , 2021, , 95-111.		0
49	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. <i>Nonlinear Engineering</i> , 2021, 10, 213-230.	1.4	23
50	Heat Source Location Effects on Buoyant Convection of Nanofluids in an Annulus. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 923-937.	0.3	37
51	A computational analysis of heat transport irreversibility phenomenon in a magnetized porous channel. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2021, 31, 2197-2222.	1.6	44
52	Shape effect of MoS ₂ nanoparticles on entropy generation and heat transport in viscoelastic boundary layer flow. <i>Pramana - Journal of Physics</i> , 2021, 95, 1.	0.9	7
53	Impact of Electroosmosis and Wall Properties in Modelling Peristaltic Mechanism of a Jeffrey Liquid through a Microchannel with Variable Fluid Properties. <i>Inventions</i> , 2021, 6, 73.	1.3	13
54	Thermal Analysis of the Solar Collector Cum Storage System Using a Hybrid-Nanofluids. <i>Journal of Nanofluids</i> , 2021, 10, 616-626.	1.4	49

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55	Electro-kinetically modulated peristaltic mechanism of Jeffrey liquid through a micro-channel with variable viscosity. <i>Thermal Science</i> , 2021, 25, 271-277.	0.5	6
56	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
57	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
58	Natural convection analysis flow of Al_2O_3 -Cu/water hybrid nanofluid in a porous conical enclosure subjected to the magnetic field. <i>EPJ Applied Physics</i> , 2020, 92, 10904.	0.3	34
59	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
60	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
61	Mixed Convective Magneto Flow of SiO_2 - MoS_2 / $C_2H_6O_2$ 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
62	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
63	Magnetohydrodynamic 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
64	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
65	Comparative Heat Transfer Analysis of MoS_2 / $C_2H_6O_2$ and SiO_2 - MoS_2 / $C_2H_6O_2$ Nanofluids with Natural Convection and Inclined Magnetic Field. <i>Journal of Nanofluids</i> , 2020, 9, 161-167.	1.4	55
66	Convection Heat Transfer of MgO-Ag /Water Magneto-Hybrid Nanoliquid Flow into a Special Porous Enclosure. <i>Algerian Journal of Renewable Energy and Sustainable Development</i> , 2020, 2, 84-95.	0.5	20
67	Pressure-Driven Gas Flows in Micro Channels with a Slip Boundary: A Numerical Investigation. <i>Fluid Dynamics and Materials Processing</i> , 2020, 16, 147-159.	0.5	9
68	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
69	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
70	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
71	Magnetohydrodynamic 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
72	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

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73	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
74	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
75	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
76	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
77	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
78	Numerical modeling of MHD stability in a cylindrical configuration. <i>Journal of the Franklin Institute</i> , 2014, 351, 667-681.	1.9	44
79	Numerical Simulation of Oscillatory MHD Natural Convection in Cylindrical Annulus: Prandtl Number Effect. <i>Defect and Diffusion Forum</i> , 0, 387, 417-427.	0.4	47
80	MHD Slip Flow of Cu-Kerosene Nanofluid in a Channel with Stretching Walls Using 3-Stage Lobatto IIIA Formula. <i>Defect and Diffusion Forum</i> , 0, 387, 51-62.	0.4	50
81	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
82	Magneto-Free Convective of Hybrid Nanofluid inside Non-Darcy Porous Enclosure Containing an Adiabatic Rotating Cylinder. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-16.	1.2	17
83	Numerical Investigation of Gas-Liquid Two-Phase Flows in a Cylindrical Channel. <i>Defect and Diffusion Forum</i> , 0, 409, 39-48.	0.4	19