

# Lioua Kolsi

## List of Publications by Year in descending order

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197  
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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical Study of the Fluid-Structure Interaction During CNT-Water Nanofluid Mixed Convection in a Micro-Channel Equipped with Elastic Fins Under Periodic Inlet Velocity Conditions. <i>Experimental Techniques</i> , 2023, 47, 7-15.	0.9	3
2	Numerical simulation of buoyancy-induced heat transfer and entropy generation in 3D C-shaped cavity filled with CNT-Al <sub>2</sub> O <sub>3</sub> /water hybrid nanofluid. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2023, 24, 1403-1423.	0.4	5
3	Application of nanofluids as cutting fluids in machining operations: a brief review. <i>Applied Nanoscience (Switzerland)</i> , 2023, 13, 4247-4278.	1.6	9
4	Thermal applications of copper oxide, silver, and titanium dioxide nanoparticles via fractional derivative approach. <i>Waves in Random and Complex Media</i> , 2023, 33, 794-807.	1.6	5
5	Prabhakar fractional model for viscous transient fluid with heat and mass transfer and Newtonian heating applications. <i>Waves in Random and Complex Media</i> , 2023, 33, 808-824.	1.6	9
6	Performance analysis of thermoelectric generator mounted chaotic channel by using non-Newtonian nanofluid and modeling with efficient computational methods. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 3527-3549.	3.4	7
7	Impacts of rotating surface and area expansion during nanofluid convection on phase change dynamics for PCM packed bed installed cylinder. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 4159-4173.	3.4	17
8	Extraction of lyophilized olive mill wastewater using supercritical CO <sub>2</sub> processes. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 237-246.	3.4	6
9	Advancement of nanofluids in automotive applications during the last few years—a comprehensive review. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 7603-7630.	2.0	8
10	Transport pattern of Non-Newtonian mass and thermal energy under two diverse flow conditions by using modified models for thermodynamics properties. <i>Case Studies in Thermal Engineering</i> , 2022, 29, 101714.	2.8	10
11	Effect of a rotating cylinder on the 3D MHD mixed convection in a phase change material filled cubic enclosure. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 51, 101879.	1.7	14
12	Coupling of BKG lattice Boltzmann method and experimental rheological/thermal behavior of Al <sub>2</sub> O <sub>3</sub> -oil nanolubricant for modeling of a finned thermal storage. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2022, ahead-of-print, .	1.6	3
13	Effect of magnetic field on the mixed convection in double lid-driven porous cavities filled with micropolar nanofluids. <i>Numerical Methods for Partial Differential Equations</i> , 2022, 38, 1090-1111.	2.0	2
14	Effect of Heat Source Position in Fluid Flow, Heat Transfer and Entropy Generation in a Naturally Ventilated Room. <i>Mathematics</i> , 2022, 10, 178.	1.1	2
15	Experimental investigations on thermophysical properties of nano-enhanced phase change materials for thermal energy storage applications. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 7037-7044.	3.4	32
16	Entropy generation of nanofluid flow in hexagonal microchannel. <i>Journal of Taibah University for Science</i> , 2022, 16, 75-88.	1.1	10
17	Multiple Impinging Jet Cooling of a Wavy Surface by Using Double Porous Fins under Non-Uniform Magnetic Field. <i>Mathematics</i> , 2022, 10, 638.	1.1	5
18	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

#	ARTICLE	IF	CITATIONS
19	CFD Analysis of Wind Distribution around Buildings in Low-Density Urban Community. Mathematics, 2022, 10, 1118.	1.1	12
20	Three-Dimensional Study of Magnetohydrodynamic Natural Convection, Entropy Generation, and Electromagnetic Variables in a Nanofluid Filled Enclosure Equipped with Inclined Fins. ACS Omega, 2022, 7, 12365-12373.	1.6	10
21	Investigation of phase change dynamics in a T-shaped multiple vented cylindrical cavity during nanofluid convection for PCM-embedded system. International Journal of Numerical Methods for Heat and Fluid Flow, 2022, 32, 3484-3503.	1.6	2
22	Double Diffusive Natural Convection in a Square Cavity Filled with a Porous Media and a Power Law Fluid Separated by a Wavy Interface. Mathematics, 2022, 10, 1060.	1.1	9
23	Performance Optimization of a Thermoelectric Device by Using a Shear Thinning Nanofluid and Rotating Cylinder in a Cavity with Ventilation Ports. Mathematics, 2022, 10, 1075.	1.1	8
24	A new microchannel heat exchanger configuration using CNT-nanofluid and allowing uniform temperature on the active wall. Case Studies in Thermal Engineering, 2022, 32, 101866.	2.8	21
25	Pulsating nanofluid flow in a wavy bifurcating channel under partially active uniform magnetic field effects. International Communications in Heat and Mass Transfer, 2022, 133, 105938.	2.9	14
26	Enhancing the performance of a greenhouse drying system by using triple-flow solar air collector with nano-enhanced absorber coating. Case Studies in Thermal Engineering, 2022, 34, 102011.	2.8	31
27	A study on effectiveness of the variational theory in fluid dynamics applications. AEJ - Alexandria Engineering Journal, 2022, 61, 10779-10789.	3.4	9
28	Blood Flow in Multi-Sinusoidal Curved Passages with Biomimetic Rheology: An Application of Blood Pumping. Mathematics, 2022, 10, 1579.	1.1	6
29	A Dynamic Analysis for Probabilistic/Possibilistic Problems Model Reduction Analysis Using Special Functions. Mathematics, 2022, 10, 1554.	1.1	0
30	Thermal stability of hybrid nanofluid with viscous dissipation and suction/injection applications: Dual branch framework. Journal of the Indian Chemical Society, 2022, 99, 100506.	1.3	12
31	Experimental study of thermal energy battery working with nano-enhanced phase change material. Case Studies in Thermal Engineering, 2022, 34, 102051.	2.8	8
32	Experimental comparison of performance and emission characteristics of 4-stroke CI engine operated with Roselle and Jatropa biodiesel blends. Journal of the Indian Chemical Society, 2022, 99, 100505.	1.3	6
33	Jet impingement cooling using shear thinning nanofluid under the combined effects of inclined separated partition at the inlet and magnetic field. European Physical Journal: Special Topics, 2022, 231, 2491-2508.	1.2	3
34	Thermocapillary and buoyancy driven convection analysis for a hybrid nanofluids enclosed in a cavity with heated obstacle. European Physical Journal: Special Topics, 2022, 231, 2669-2681.	1.2	3
35	Nanoscience and its role in the future of solar stills. , 2022, , 427-440.		0
36	Distribution Network Reconfiguration for reliability Enhancement via Genetic Algorithm approach. , 2022, , .		1

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37	Comparative Study of Chemical Coagulation and Electrocoagulation for the Treatment of Real Textile Wastewater: Optimization and Operating Cost Estimation. <i>ACS Omega</i> , 2022, 7, 22456-22476.	1.6	20
38	Conjugate Natural Convection of a Hybrid Nanofluid in a Cavity Filled with Porous and Non-Newtonian Layers: The Impact of the Power Law Index. <i>Mathematics</i> , 2022, 10, 2044.	1.1	6
39	Numerical Study of MHD Natural Convection inside a Cubical Cavity Loaded with Copper-Water Nanofluid by Using a Non-Homogeneous Dynamic Mathematical Model. <i>Mathematics</i> , 2022, 10, 2072.	1.1	15
40	Numerical Investigation of the Double Diffusive Convection in 3D Trapezoidal Solar Still Equipped with Conductive Fins. <i>Mathematics</i> , 2022, 10, 2115.	1.1	2
41	Numerical Study of 3D MHD Mixed Convection and Entropy Generation in Trapezoidal Porous Enclosure Filled with a Hybrid Nanofluid: Effect of Zigzag Wall and Spinning Inner Cylinder. <i>Nanomaterials</i> , 2022, 12, 1974.	1.9	9
42	Coupled Effects of Using Magnetic Field, Rotation and Wavy Porous Layer on the Forced Convection of Hybrid Nanoliquid Flow over 3D-Backward Facing Step. <i>Nanomaterials</i> , 2022, 12, 2466.	1.9	1
43	Performance investigation of a vertically configured LHTES via the combination of nano-enhanced PCM and fins: experimental and numerical approaches. <i>International Communications in Heat and Mass Transfer</i> , 2022, 137, 106246.	2.9	26
44	MHD mixed convection of $\text{Al}_2\text{O}_3\text{-Cu}$ water hybrid nanofluid in a wavy channel with incorporated fixed cylinder. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 144, 2219-2233.	2.0	25
45	Numerical investigation of electro-thermo-convection in a square enclosure with incorporated hot solid body. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 2647-2661.	2.0	9
46	Evaluating energy efficiency and economic effect of heat transfer in copper tube for small solar linear Fresnel reflector. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 4197-4215.	2.0	37
47	Modeling and optimization of a proton exchange membrane fuel cell using particle swarm algorithm with constriction coefficient. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 144, 1749-1759.	2.0	13
48	Forecasting of One-Day-Ahead Global Horizontal Irradiation Using Block-Oriented Models Combined with a Swarm Intelligence Approach. <i>Natural Resources Research</i> , 2021, 30, 1-26.	2.2	11
49	Solubility of Hydroxytyrosol in binary mixture of ethanol+water from (293.15 to 318.15) K: Measurement, correlation, dissolution thermodynamics and preferential solvation. <i>AJ - Alexandria Engineering Journal</i> , 2021, 60, 905-914.	3.4	4
50	Deep Neural Networks for Predicting Solar Radiation at Hail Region, Saudi Arabia. <i>IEEE Access</i> , 2021, 9, 36719-36729.	2.6	42
51	Effect of Different Quaternary Ammonium Groups on the Hydroxide Conductivity and Stability of Anion Exchange Membranes. <i>ACS Omega</i> , 2021, 6, 7994-8001.	1.6	19
52	Numerical Investigation of Rayleigh-Benard Natural Convection and Entropy Generation in a Cubic Cavity With Discrete Heat Sources. <i>Journal of Thermal Science and Engineering Applications</i> , 2021, 13, .	0.8	4
53	CNT-water nanofluid magneto-convective heat transfer in a cubical cavity equipped with perforated partition. <i>European Physical Journal Plus</i> , 2021, 136, 1.	1.2	24
54	Computational analysis of hybrid nanofluid enhanced heat transfer in cross flow micro heat exchanger with rectangular wavy channels. <i>Case Studies in Thermal Engineering</i> , 2021, 24, 100822.	2.8	57

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55	Numerical study of an Evacuated Tube Solar Collector incorporating a Nano-PCM as a latent heat storage system. <i>Case Studies in Thermal Engineering</i> , 2021, 24, 100859.	2.8	83
56	Numerical Simulation of the Impact of the Heat Source Position on Melting of a Nano-Enhanced Phase Change Material. <i>Nanomaterials</i> , 2021, 11, 1425.	1.9	18
57	Heat transfer and fluid flow in a PCM-filled enclosure: Effect of inclination angle and mid-separation fin. <i>International Communications in Heat and Mass Transfer</i> , 2021, 124, 105280.	2.9	56
58	Numerical study of heat transfer and flow structure over a microscale backstep. <i>AEJ - Alexandria Engineering Journal</i> , 2021, 60, 2759-2768.	3.4	4
59	Impacts of double rotating cylinders on the forced convection of hybrid nanofluid in a bifurcating channel with partly porous layers. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101020.	2.8	28
60	A multi-stage SEIR model to predict the potential of a new COVID-19 wave in KSA after lifting all travel restrictions. <i>AEJ - Alexandria Engineering Journal</i> , 2021, 60, 3965-3974.	3.4	21
61	New model for PCM melting and solidification processes simulation. <i>Physica Scripta</i> , 2021, 96, 125214.	1.2	7
62	Analysis of Double-diffusive natural convection in a solar distiller embedded with PCM and cooled with external water stream. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 126, 67-79.	2.7	9
63	Numerical investigation of heat transfer and melting process in a PCM capsule: Effects of inner tube position and Stefan number. <i>Case Studies in Thermal Engineering</i> , 2021, 27, 101306.	2.8	22
64	Effects of magnetic field, binary particle loading and rotational conic surface on phase change process in a PCM filled cylinder. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101456.	2.8	22
65	Thermal enhancement of ethylene glycol base material with hybrid nanofluid for oblique stagnation point slip flow. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101468.	2.8	28
66	Heat transfer and flow structure through a backward and forward-facing step micro-channels equipped with obstacles. <i>Thermal Science</i> , 2021, 25, 2483-2492.	0.5	5
67	Experimental Study of the Effect of Al <sub>2</sub> O <sub>3</sub> Nanoparticles on the Profitability of a Single-Slope Solar Still: Application in Southeast of Algeria. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 119-133.	0.3	7
68	Numerical investigation and triple-parameters correlations development on the dynamic characteristics of a turbulent offset jet. <i>Journal of Turbulence</i> , 2021, 22, 325-352.	0.5	2
69	Jet Impingement Cooling of a Rotating Hot Circular Cylinder with Hybrid Nanofluid under Multiple Magnetic Field Effects. <i>Mathematics</i> , 2021, 9, 2697.	1.1	9
70	Effects of Surface Rotation on the Phase Change Process in a 3D Complex-Shaped Cylindrical Cavity with Ventilation Ports and Installed PCM Packed Bed System during Hybrid Nanofluid Convection. <i>Mathematics</i> , 2021, 9, 2566.	1.1	1
71	Combined Effects of Sequential Velocity and Variable Magnetic Field on the Phase Change Process in a 3D Cylinder Having a Conic-Shaped PCM-Packed Bed System. <i>Mathematics</i> , 2021, 9, 3019.	1.1	2
72	Forced Convection of Non-Newtonian Nanofluid Flow over a Backward Facing Step with Simultaneous Effects of Using Double Rotating Cylinders and Inclined Magnetic Field. <i>Mathematics</i> , 2021, 9, 3002.	1.1	8

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73	Thermal stability and performances of hybrid nanoparticles for convective heat transfer phenomenon with multiple solutions. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101684.	2.8	15
74	CFD investigation of effect of nanofluid filled Trombe wall on 3D convective heat transfer. <i>Journal of Central South University</i> , 2021, 28, 3569-3579.	1.2	7
75	Heat and mass transfer enhancement in triangular pyramid solar still using CNT-water nanofluid. <i>Journal of Central South University</i> , 2021, 28, 3434-3448.	1.2	5
76	Control of Magnetohydrodynamic Mixed Convection and Entropy Generation in a Porous Cavity by Using Double Rotating Cylinders and Curved Partition. <i>ACS Omega</i> , 2021, 6, 35607-35618.	1.6	12
77	Numerical study of the Rayleigh-Bénard convection in two-dimensional cavities heated by elliptical heat sources using the lattice Boltzmann method. <i>Physics of Fluids</i> , 2021, 33, .	1.6	15
78	Three-dimensional analysis on natural convection inside a T-shaped cavity with water-based CNT-aluminum oxide hybrid nanofluid. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 2089-2098.	2.0	49
79	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
80	Mixed convection in a trapezoidal enclosure filled with two layers of nanofluid and porous media with a rotating circular cylinder and a sinusoidal bottom wall. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 141, 2061-2079.	2.0	33
81	Study of the usability of sinusoidal function heat flux based on enthalpy-porosity technique for PCM-related applications. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 141, 1769-1784.	2.0	14
82	Transient electrohydrodynamic convective flow and heat transfer of MWCNT - Dielectric nanofluid in a heated enclosure. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020, 384, 126736.	0.9	20
83	Solubility, Solution Thermodynamics, and Preferential Solvation of Amygdalin in Ethanol + Water Solvent Mixtures. <i>Pharmaceuticals</i> , 2020, 13, 395.	1.7	6
84	Simulation of Prosopis juliflora Air Gasification in Multistage Fluidized Process. <i>Processes</i> , 2020, 8, 1655.	1.3	3
85	Design of Fuzzy TS-PDC Controller for Electrical Power System via Rules Reduction Approach. <i>Symmetry</i> , 2020, 12, 2068.	1.1	5
86	The Engineering Students Innovation Club Project for Human Capital Development in the areas of Industry 4.0 – From the Design to Implementation. , 2020, , .		1
87	Experimental study of a solar water heater fitted with spacer at the leading edge of Left-Right screw tapes. <i>Case Studies in Thermal Engineering</i> , 2020, 22, 100777.	2.8	11
88	Numerical investigation of heat transfer enhancement of an inclined heated offset jet. <i>International Communications in Heat and Mass Transfer</i> , 2020, 116, 104682.	2.9	14
89	Numerical simulation of a microfluidic biosensor for C-reactive protein detection into a microchannel with considering electrothermal effect. <i>AEJ - Alexandria Engineering Journal</i> , 2020, 59, 1649-1659.	3.4	5
90	3D Magneto-Buoyancy-Thermocapillary Convection of CNT-Water Nanofluid in the Presence of a Magnetic Field. <i>Processes</i> , 2020, 8, 258.	1.3	16

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91	3D Rayleigh-Bénard-type natural convection in MWCNT-nanofuid-filled L-shaped enclosures with consideration of aggregation effect. <i>Mathematical Methods in the Applied Sciences</i> , 2020, , .	1.2	7
92	Double-diffusive natural convection in a solar distiller with external fluid stream cooling. <i>International Journal of Mechanical Sciences</i> , 2020, 181, 105728.	3.6	29
93	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
94	Computational study of natural convection and entropy generation in 3-D cavity with active lateral walls. <i>Thermal Science</i> , 2020, 24, 2089-2100.	0.5	11
95	A Foresight Study about the Skills and Competencies Needed for Quality Professionals in 2030: An Empirical Study of Saudi Arabia. <i>Engineering, Technology &amp; Applied Science Research</i> , 2020, 10, 6176-6182.	0.8	2
96	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
97	Convective heat transfer optimization with riblets deployment in a turbulent offset jet flow. <i>Fluid Dynamics Research</i> , 2020, 52, 055503.	0.6	3
98	Mixed Convection in a Cubical Cavity With Active Lateral Walls and Filled With Hybrid Graphene-Platinum Nanofluid. <i>Journal of Thermal Science and Engineering Applications</i> , 2019, 11, .	0.8	26
99	Offset jet ejection angle effect in combined wall and offset jets flow: numerical investigation and engineering correlations. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019, 41, 1.	0.8	6
100	Natural Convection and Irreversibility Evaluation in a Cubic Cavity with Partial Opening in Both Top and Bottom Sides. <i>Entropy</i> , 2019, 21, 116.	1.1	14
101	Three-dimensional analysis of natural convection in nanofluid-filled parallelogrammic enclosure opened from top and heated with square heater. <i>Journal of Central South University</i> , 2019, 26, 1077-1088.	1.2	19
102	MHD mixed convection in an inclined cavity containing adiabatic obstacle and filled with Cu-water nanofluid in the presence of the heat generation and partial slip. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 1443-1460.	2.0	62
103	Gas distributor and bed material effects in a cold flow model of a novel multi-stage biomass gasifier. <i>Biomass and Bioenergy</i> , 2019, 126, 14-25.	2.9	22
104	Three-dimensional modelling of natural convection and entropy generation in a vertical cylinder under heterogeneous heat flux using nanofluids. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019, 30, 119-142.	1.6	17
105	Numerical Study of Periodic Magnetic Field Effect on 3D Natural Convection of MWCNT-Water/Nanofluid with Consideration of Aggregation. <i>Processes</i> , 2019, 7, 957.	1.3	23
106	Lattice Boltzmann simulation of free convection's hydrothermal aspects in a finned/multi-pipe cavity filled with CuO-water nanofluid. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019, 29, 1058-1078.	1.6	13
107	Electro-thermo-convection in dielectric liquid subjected to partial unipolar injection between two eccentric cylinders. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019, 29, 78-93.	1.6	7
108	CFD study of heat and mass transfer and entropy generation in a 3D solar distiller heated by an internal column. <i>International Journal of Mechanical Sciences</i> , 2019, 152, 280-288.	3.6	27

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109	Three-dimensional combined radiation-magnetoconvection of low electrically conductive dielectric oxide melt. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 3611-3637.	1.6	8
110	Recent advances in modeling and simulation of nanofluid flows-Part I: Fundamentals and theory. Physics Reports, 2019, 790, 1-48.	10.3	670
111	Recent advances in modeling and simulation of nanofluid flows"Part II: Applications. Physics Reports, 2019, 791, 1-59.	10.3	389
112	Heat transfer intensification induced by electrically generated convection between two elliptical cylinders. International Journal of Thermal Sciences, 2019, 135, 523-532.	2.6	16
113	CONTROL OF HEAT TRANSFER AND FLUID FLOW VIA A MOVING FIN IN A TRIANGULAR ENCLOSURE FILLED WITH NANOFUID. Heat Transfer Research, 2019, 50, 159-181.	0.9	8
114	MHD Mixed Bioconvection in a Square Porous Cavity Filled by Gyrotactic Microorganisms. International Journal of Heat and Technology, 2019, 37, 433-445.	0.3	49
115	Numerical Study of Natural Convection Between Two Coaxial Inclined Cylinders. International Journal of Heat and Technology, 2019, 37, 779-786.	0.3	58
116	Multi-objective optimization of operating parameters of a PEMFC under flooding conditions using the non-dominated sorting genetic algorithm. Thermal Science, 2019, 23, 3525-3537.	0.5	4
117	Study of heat and mass transfer control inside channel partially filled with a porous medium using nanofluids. Thermal Science, 2019, , 460-460.	0.5	2
118	Magneto-thermocapillary-buoyancy convection in a square cavity with partially active vertical walls. Thermal Science, 2019, 23, 3433-3442.	0.5	1
119	CFD MODELING OF THE INTERACTION BETWEEN AN OBLIQUE WALL JET AND A PARALLEL OFFSET JET. International Journal of Fluid Mechanics Research, 2019, 46, 101-112.	0.4	0
120	Lattice Boltzmann numerical method for natural convection and entropy generation in cavity with refrigerant rigid body filled with DWCNTs-water nanofluid-experimental thermo-physical properties. Thermal Science and Engineering Progress, 2018, 5, 372-387.	1.3	47
121	3D magneto-convective heat transfer in CNT-nanofluid filled cavity under partially active magnetic field. Physica E: Low-Dimensional Systems and Nanostructures, 2018, 99, 294-303.	1.3	85
122	Lattice Boltzmann method based on Dual-MRT model for three-dimensional natural convection and entropy generation in CuO"water nanofluid filled cuboid enclosure included with discrete active walls. Computers and Mathematics With Applications, 2018, 75, 1795-1813.	1.4	50
123	Entropy generation analysis and heatline visualization of free convection in nanofluid (KKL) Tj ETQq1 1 0.784314 rgBT /Overlock 10 TTS and Mathematics With Applications, 2018, 75, 1814-1830.	1.4	42
124	Three-dimensional investigation of the effects of external magnetic field inclination on laminar natural convection heat transfer in CNT"water nanofluid filled cavity. Journal of Molecular Liquids, 2018, 252, 454-468.	2.3	98
125	Mixed convection and entropy generation in a nanofluid filled cubical open cavity with a central isothermal block. International Journal of Mechanical Sciences, 2018, 135, 362-375.	3.6	109
126	Lattice Boltzmann simulation of free convection in nanofluid filled cavity with partially active walls " entropy generation and heatline visualization. International Journal of Numerical Methods for Heat and Fluid Flow, 2018, 28, 2254-2283.	1.6	23



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127	Electro-thermo-capillary-convection in a square layer of dielectric liquid subjected to a strong unipolar injection. Applied Mathematical Modelling, 2018, 63, 349-361.	2.2	15
128	Finite element simulation of antigen-antibody transport and adsorption in a microfluidic chip. Physica E: Low-Dimensional Systems and Nanostructures, 2018, 104, 177-186.	1.3	16
129	Oscillatory natural convection of water-glycerin mixture in a tall rectangular cavity: Transition to the chaos. Heat Transfer - Asian Research, 2018, 47, 943-956.	2.8	3
130	CFD modeling of gas-particles flow in a circulating fluidized G-Volution gasification reactor. International Journal of Mechanical Sciences, 2018, 144, 438-451.	3.6	6
131	Preliminary hydrodynamic study on new multi-stage biomass gasifier. , 2018, , .		0
132	Numerical simulation of 3D natural convection and entropy generation in a cubic cavity equipped with an adiabatic baffle. International Journal of Heat and Technology, 2018, 36, 1047-1054.	0.3	10
133	Three-dimensional computational fluid dynamics analysis of buoyancy-driven natural ventilation and entropy generation in a prismatic greenhouse. Thermal Science, 2018, 22, 73-85.	0.5	16
134	Numerical investigation of the performance of the etoile flow conditioner under different geometric and dynamic configurations. Journal Europeen Des Systemes Automatisees, 2018, 51, 141-152.	0.3	2
135	CFD Investigation on the Steady Interaction between an Offset Jet and an Oblique Wall Jet. Journal of Applied Fluid Mechanics, 2018, 11, 885-894.	0.4	3
136	Study of three-dimensional natural convection and entropy generation in an inclined solar collector equipped with partitions. Heat Transfer - Asian Research, 2017, 46, 1312-1326.	2.8	7
137	Control of natural convection via inclined plate of CNT-water nanofluid in an open sided cubical enclosure under magnetic field. International Journal of Heat and Mass Transfer, 2017, 111, 1007-1018.	2.5	84
138	Numerical study of three-dimensional natural convection and entropy generation in a cubical cavity with partially active vertical walls. Case Studies in Thermal Engineering, 2017, 10, 100-110.	2.8	49
139	Analysis of the electro-thermo-convection induced by a strong unipolar injection between two concentric or eccentric cylinders. Numerical Heat Transfer; Part A: Applications, 2017, 71, 789-804.	1.2	27
140	Second law analysis of natural convection in a CNT-water nanofluid filled inclined 3D cavity with incorporated Ahmed body. International Journal of Mechanical Sciences, 2017, 130, 399-415.	3.6	62
141	Effects of moving lid direction on mixed convection and entropy generation in a cubical cavity with longitudinal triangular fin insertion. International Journal of Numerical Methods for Heat and Fluid Flow, 2017, 27, 839-860.	1.6	5
142	A Review of Nano Fluid Role to Improve the Performance of the Heat Pipe Solar Collectors. Energy Procedia, 2017, 109, 417-424.	1.8	86
143	Numerical analysis of entropy generation due to natural convection in three-dimensional partially open enclosures. Journal of the Taiwan Institute of Chemical Engineers, 2017, 75, 131-140.	2.7	31
144	Nanofluid flow and heat transfer in porous media: A review of the latest developments. International Journal of Heat and Mass Transfer, 2017, 107, 778-791.	2.5	377

#	ARTICLE	IF	CITATIONS
145	Natural convection analysis by entropy generation and heatline visualization using lattice Boltzmann method in nanofluid filled cavity included with internal heaters- Empirical thermo-physical properties. International Journal of Mechanical Sciences, 2017, 133, 199-216.	3.6	45
146	Experimental and numerical study on heat transfer performance of three-dimensional natural convection in an enclosure filled with DWCNTs-water nanofluid. Powder Technology, 2017, 322, 340-352.	2.1	59
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