

Hakan F Oztop

List of Publications by Year in descending order

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498
papers

22,793
citations

8181

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h-index

19190

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docs citations

498
times ranked

6305
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical simulation of buoyancy-induced heat transfer and entropy generation in 3D C-shaped cavity filled with CNT ² /O ³ /water hybrid nanofluid. International Journal of Nonlinear Sciences and Numerical Simulation, 2023, 24, 1403-1423.	1.0	5
2	A review on computational fluid dynamics simulation methods for different convective drying applications. Thermal Science, 2023, 27, 825-842.	1.1	1
3	Natural convection process endorsed in coaxial duct with Soret/Dufour effect. International Journal of Numerical Methods for Heat and Fluid Flow, 2023, 33, 96-119.	2.8	5
4	Natural convection in a sinusoidally heated cavity filled with ferrofluid in the presence of partial variable magnetic field. International Journal of Numerical Methods for Heat and Fluid Flow, 2023, 33, 411-435.	2.8	10
5	Optimal entropy generation in Darcy-Forchheimer magnetized flow in a square enclosure filled with silver based water nanofluid. Journal of Thermal Analysis and Calorimetry, 2022, 147, 1571-1581.	3.6	65
6	Numerical analysis on heat transfer of a pyramid-shaped photovoltaic panel. Journal of Thermal Analysis and Calorimetry, 2022, 147, 1727-1738.	3.6	12
7	Experimental investigation on semicircular, triangular and rectangular shaped absorber of solar still with nano-based PCM. Journal of Thermal Analysis and Calorimetry, 2022, 147, 3427-3439.	3.6	11
8	Combined effects of double porous layers and nanofluids on the performance of confined single and multi-jet impingement heat transfer. Chemical Engineering Communications, 2022, 209, 925-937.	2.6	9
9	Magnetic field effects on melting and solidification of PCMs in an isosceles triangular cavity. Journal of Thermal Analysis and Calorimetry, 2022, 147, 4697-4709.	3.6	12
10	A computational analysis on convective heat transfer for impinging slot nanojets onto a moving hot body. International Journal of Numerical Methods for Heat and Fluid Flow, 2022, 32, 364-386.	2.8	5
11	Performance analysis of thermoelectric generator mounted chaotic channel by using non-Newtonian nanofluid and modeling with efficient computational methods. AEJ - Alexandria Engineering Journal, 2022, 61, 3527-3549.	6.4	7
12	Impacts of rotating surface and area expansion during nanofluid convection on phase change dynamics for PCM packed bed installed cylinder. AEJ - Alexandria Engineering Journal, 2022, 61, 4159-4173.	6.4	17
13	NUMERICAL AND EXPERIMENTAL INVESTIGATION OF A DOUBLE-PIPE HEAT EXCHANGER WITH SiO ₂ NANO-ADDITIVES. Heat Transfer Research, 2022, 53, 1-12.	1.6	13
14	Analysis of natural convection for a Casson-based multiwall carbon nanotube nanofluid in a partially heated wavy enclosure with a circular obstacle in the presence of thermal radiation. Journal of Advanced Research, 2022, 39, 167-185.	9.5	24
15	Three-dimensional tilted hydromagnetic natural double-diffusive convection in a rectangular cuboid filled with nanofluids based on magnetic nanoparticles. Heat Transfer, 2022, 51, 1275-1305.	3.0	0
16	MHD mixed convection of a Cu-water nanofluid flow through a channel with an open trapezoidal cavity and an elliptical obstacle. Heat Transfer, 2022, 51, 1691-1710.	3.0	11
17	Optimization of convective drying performance of multiple porous moist objects in a 3D channel. International Journal of Thermal Sciences, 2022, 172, 107286.	4.9	6
18	Improving the performance of an active greenhouse dryer by integrating a solar absorber north wall coated with graphene nanoplatelet-embedded black paint. Solar Energy, 2022, 231, 140-148.	6.1	39

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19	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
20	Thermal management and performance improvement by using coupled effects of magnetic field and phase change material for hybrid nanoliquid convection through a 3D vented cylindrical cavity. <i>International Journal of Heat and Mass Transfer</i> , 2022, 183, 122233.	4.8	57
21	Impacts of using an elastic fin on the phase change process under magnetic field during hybrid nanoliquid convection through a PCM-packed bed system. <i>International Journal of Mechanical Sciences</i> , 2022, 216, 106958.	6.7	49
22	Thermal management for conjugate heat transfer of curved solid conductive panel coupled with different cooling systems using non-Newtonian power law nanofluid applicable to photovoltaic panel systems. <i>International Journal of Thermal Sciences</i> , 2022, 173, 107390.	4.9	39
23	Evaluation of convection flow and entropy generation in a wavy cubical container with nanofluid and embedded cylinder. <i>Journal of Computational Design and Engineering</i> , 2022, 9, 598-615.	3.1	5
24	Experimental analysis of combined utilization of CuO nanoparticles in latent heat storage unit and absorber coating in a single-slope solar desalination system. <i>Solar Energy</i> , 2022, 233, 278-286.	6.1	40
25	Comparative study and hybrid modeling approach with POD for convective drying performance of porous moist object with multi-impinging jet and channel flow configurations. <i>International Communications in Heat and Mass Transfer</i> , 2022, 132, 105897.	5.6	10
26	Thermal diffusion upon magnetic field convection of nano-enhanced phase change materials in a permeable wavy cavity with crescent-shaped partitions. <i>Case Studies in Thermal Engineering</i> , 2022, 31, 101855.	5.7	18
27	Combined effects of bifurcation and magnetic field on the performance of phase change material installed cylinder with small inlet temperature perturbations during nanofluid convection. <i>International Journal of Heat and Mass Transfer</i> , 2022, 188, 122640.	4.8	22
28	Experimental Performance Analysis of a Solar Desalination System Modified with Natural Dolomite Powder Integrated Latent Heat Thermal Storage Unit. <i>Sustainability</i> , 2022, 14, 2650.	3.2	19
29	Lithium-ion battery module performance improvements by using nanodiamond- Fe_3O_4 water/ethylene glycol hybrid nanofluid and fins. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 10625-10635.	3.6	12
30	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.	1.8	4
31	Entropy Analysis of the Thermal Convection of Nanosuspension within a Chamber with a Heat-Conducting Solid Fin. <i>Entropy</i> , 2022, 24, 523.	2.2	6
32	3D laminar natural convection in a cubical enclosure with gradually changing partitions. <i>International Communications in Heat and Mass Transfer</i> , 2022, 133, 105932.	5.6	18
33	Analysis of turbulent wall jet impingement onto a moving heated body. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2022, 32, 2938-2963.	2.8	7
34	Natural convection in a rectangular tall cavity in the presence of an oscillating and rotating cylinder. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 647, 129027.	4.7	6
35	A review on ferrofluids with the effect of MHD and entropy generation due to convective heat transfer. <i>European Physical Journal Plus</i> , 2022, 137, 1.	2.6	9
36	Magneto-bioconvection flow of hybrid nanofluid in the presence of oxytactic bacteria in a lid-driven cavity with a streamlined obstacle. <i>International Communications in Heat and Mass Transfer</i> , 2022, 134, 106029.	5.6	36

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37	Shape effects of TEG mounted ventilated cavities with alumina-water nanofluids on the performance features by using artificial neural networks. <i>Engineering Analysis With Boundary Elements</i> , 2022, 140, 79-97.	3.7	8
38	Insight into the investigation of diamond (C) and Silica (SiO ₂) nanoparticles suspended in water-based hybrid nanofluid with application in solar collector. <i>Journal of Molecular Liquids</i> , 2022, 357, 119134.	4.9	110
39	Applications of lattice Boltzmann method for double-diffusive convection in the cavity: a review. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 10889-10921.	3.6	11
40	Natural convection of hybrid nanofluid flow in the presence of multiple vertical partial magnetic fields in a trapezoidal shaped cavity. <i>European Physical Journal: Special Topics</i> , 2022, 231, 2761-2771.	2.6	11
41	Optimization assisted CFD for using double porous cylinders on the performance improvement of TEG mounted 3D channels. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 52, 102303.	2.7	1
42	Measurement of thermophysical properties with nanomaterials on the Melting/Freezing characteristics of phase change material. <i>Measurement: Journal of the International Measurement Confederation</i> , 2022, 199, 111477.	5.0	6
43	Performance improvement of the mini hexagonal tube heat sink using nanofluids. <i>Thermal Science and Engineering Progress</i> , 2022, 34, 101390.	2.7	4
44	Control of non-Newtonian fluid flow and heat transfer in microchannel by using porous triangular ribs and pulsating jet. <i>European Physical Journal Plus</i> , 2022, 137, .	2.6	4
45	Hybrid nano-jet impingement cooling of a curved elastic hot surface under the combined effects of non-uniform magnetic field and upper plate inclination. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 561, 169684.	2.3	15
46	Analysis of melting of phase change material block inserted to an open cavity. <i>International Communications in Heat and Mass Transfer</i> , 2022, 137, 106240.	5.6	17
47	Mixed convectionâ€“radiation in lid-driven cavities with nanofluids and time-dependent heat-generating body. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 146, 725-738.	3.6	9
48	A study on the effect of magnetic field and the sinusoidal boundary condition on free convective heat transfer of non-Newtonian power-law fluid in a square enclosure with two constant-temperature obstacles using lattice Boltzmann method. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 144, 2557-2573.	3.6	21
49	Experimental investigation on the heat transfer performance of MHTHS using ethylene glycol-based nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 61-71.	3.6	7
50	Mixed Convection Heat Transfer in a Lid-Driven Cavity under the Effect of a Partial Magnetic Field. <i>Heat Transfer Engineering</i> , 2021, 42, 875-887.	1.9	13
51	Impact of a rotating cone on forced convection of Agâ€“MgO/water hybrid nanofluid in a 3D multiple vented T-shaped cavity considering magnetic field effects. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 1485-1501.	3.6	33
52	Three dimensional unsteady heat and mass transport from six porous moist objects in a channel under laminar forced convection. <i>Applied Thermal Engineering</i> , 2021, 183, 116100.	6.0	12
53	Effects of inlet velocity profiles of hybrid nanofluid flow on mixed convection through a backward facing step channel under partial magnetic field. <i>Chemical Physics</i> , 2021, 540, 111010.	1.9	18
54	4S consideration (synthesis, sonication, surfactant, stability) for the thermal conductivity of CeO ₂ with MWCNT and water based hybrid nanofluid: An experimental assessment. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 610, 125918.	4.7	85

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55	Performance assessment of a thermoelectric module by using rotating circular cylinders and nanofluids in the channel flow for renewable energy applications. <i>Journal of Cleaner Production</i> , 2021, 279, 123426.	9.3	34
56	Impacts of rotating surface and oriented magnetic field on mixed convection and melting behavior of CNT-water nanofluid in a horizontal annulus. <i>International Communications in Heat and Mass Transfer</i> , 2021, 120, 104935.	5.6	8
57	Third-grade non-Newtonian fluid flow and heat transfer in two coaxial pipes with a variable radius ratio with magnetic field. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2021, 31, 959-981.	2.8	3
58	Thermal Management and Modeling of Forced Convection and Entropy Generation in a Vented Cavity by Simultaneous Use of a Curved Porous Layer and Magnetic Field. <i>Entropy</i> , 2021, 23, 152.	2.2	10
59	The role of convective heat transfer coefficient in CuO nanoparticles-PCM cooling ability in heat sinks with insulated side walls: comparison with the air cooled one. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 144, 2615.	3.6	0
60	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
61	Thermal analysis of different Refuse Derived Fuels samples. <i>Thermal Science</i> , 2021, 25, 4395-4406.	1.1	1
62	Multiplicity of solution for natural convective heat transfer and entropy generation in a semi-elliptical enclosure. <i>Physics of Fluids</i> , 2021, 33, .	4.0	46
63	Rotating cylinder and magnetic field on solid particles diffusion inside a porous cavity filled with a nanofluid. <i>Nanomaterials and Nanotechnology</i> , 2021, 11, 184798042110342.	3.0	5
64	Numerical analysis of heat and mass transfer of a moving porous moist object in a two dimensional channel. <i>International Communications in Heat and Mass Transfer</i> , 2021, 121, 105093.	5.6	15
65	Natural convection in an open ended nanofluid filled cavity with fins in the presence of partial magnetic field and thermal radiation. <i>Mathematical Methods in the Applied Sciences</i> , 2021, 44, 6931-6949.	2.3	2
66	Investigation of MHD and applied electric field effects in a conduit cramed with nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2021, 121, 105097.	5.6	12
67	Sensitivity analysis on thermophysical properties efficacy on PCM-based heat sink usefulness: effects of solid particles versus liquid phase fraction. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 144, 2699.	3.6	2
68	Numerical study on heat loss from the surface of solar collector tube filled by oil-NE-PCM/Al ₂ O ₃ in the presence of the magnetic field. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 144, 2627.	3.6	11
69	The effects of using corrugated booster reflectors to improve the performance of a novel solar collector to apply in cooling PV cells-Navigating performance using ANN. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 145, 2151-2162.	3.6	4
70	Modeling and identification of combined effects of pulsating inlet temperature and use of hybrid nanofluid on the forced convection in phase change material filled cylinder. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 119, 90-107.	5.3	16
71	A numerical study of mixed convection in a two-sided lid-driven tall cavity containing a heated triangular block for non-Newtonian power-law fluids. <i>Heat Transfer</i> , 2021, 50, 4806-4829.	3.0	5
72	Thermoelectric generation from vented cavities with a rotating conic object and highly conductive CNT nanofluids for renewable energy systems. <i>International Communications in Heat and Mass Transfer</i> , 2021, 122, 105139.	5.6	18

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73	Natural convection of Al ₂ O ₃ -water nanosuspension in a semi-open domain with composite fin. <i>Physics of Fluids</i> , 2021, 33, 033606.	4.0	4
74	Analysis of double U-tube ground heat exchanger for renewable energy applications with two-region simulation model by combining analytical and numerical techniques. <i>International Communications in Heat and Mass Transfer</i> , 2021, 123, 105144.	5.6	21
75	Jet Impingement Heat Transfer of Confined Single and Double Jets with Non-Newtonian Power Law Nanofluid under the Inclined Magnetic Field Effects for a Partly Curved Heated Wall. <i>Sustainability</i> , 2021, 13, 5086.	3.2	14
76	Unsteady conjugate heat transfer with combined effects of MHD and moving conductive elliptic object in CNT-water nanofluid with ventilation ports. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2021, 31, 2484-2508.	2.8	1
77	Effect of multibanded magnetic field on convective heat transport in linearly heated porous systems filled with hybrid nanofluid. <i>Physics of Fluids</i> , 2021, 33, .	4.0	49
78	Computations of mixed convection slip flow around the surface of a sphere: Effects of thermophoretic transportation and viscous dissipation. <i>Heat Transfer</i> , 2021, 50, 7349-7362.	3.0	12
79	An efficient method for optimizing the unsteady heat and mass transport features for convective drying of two porous moist objects in a channel. <i>International Journal of Mechanical Sciences</i> , 2021, 200, 106444.	6.7	6
80	Multiple-relaxation-time lattice Boltzmann analysis of entropy generation in a hot-block-inserted square cavity for different Prandtl numbers. <i>International Journal of Thermal Sciences</i> , 2021, 165, 106948.	4.9	12
81	Thermosolutal Marangoni convection of Bingham non-Newtonian fluids within inclined lid-driven enclosures full of porous media. <i>Heat Transfer</i> , 2021, 50, 7898-7917.	3.0	8
82	Impacts of elasticity and porosity of the channels on the performance features of thermoelectric module mounted system and efficient computations with multi-proper orthogonal decomposition approach. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 124, 359-368.	5.3	6
83	Mixed convection in a lid-driven cavity with partially heated porous block. <i>International Communications in Heat and Mass Transfer</i> , 2021, 126, 105450.	5.6	22
84	Thermoelectric generation in bifurcating channels and efficient modeling by using hybrid CFD and artificial neural networks. <i>Renewable Energy</i> , 2021, 172, 582-598.	8.9	24
85	3D numerical study of heat and mass transfer of moving porous moist objects. <i>Thermal Science and Engineering Progress</i> , 2021, 24, 100939.	2.7	4
86	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.	5.7	28
87	Thermal management of nanofluid forced convective flow over heated blocks in channel by using double elliptic porous objects. <i>Propulsion and Power Research</i> , 2021, 10, 262-276.	4.3	9
88	Effects of flow separation and shape factor of nanoparticles in heat transfer fluid for convection thorough phase change material (PCM) installed cylinder for energy technology applications. <i>Journal of Energy Storage</i> , 2021, 41, 102945.	8.1	12
89	Effects of a magnetic field on double-diffusive convection of a nanofluid in a cavity saturated by wavy layers of porous media: ISPH analysis. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2021, ahead-of-print, .	2.8	2
90	Optimization of convective heat transfer performance for fluid flow over a facing step by using an elliptic porous object. <i>Case Studies in Thermal Engineering</i> , 2021, 27, 101233.	5.7	7

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91	Analysis of hybrid nanofluid and surface corrugation in the laminar convective flow through an encapsulated PCM filled vertical cylinder and POD-based modeling. International Journal of Heat and Mass Transfer, 2021, 178, 121623.	4.8	70
92	Phase change dynamics in a cylinder containing hybrid nanofluid and phase change material subjected to a rotating inner disk. Journal of Energy Storage, 2021, 42, 103007.	8.1	28
93	Impact of inclined magnetic field and power law fluid on double diffusive mixed convection in lid-driven curvilinear cavity. International Communications in Heat and Mass Transfer, 2021, 127, 105549.	5.6	18
94	Impact of porous complicated fin and sinusoidal-heated wall on thermogravitational convection of different nanofluids in a square domain. International Journal of Thermal Sciences, 2021, 168, 107053.	4.9	6
95	Effects of magnetic field, binary particle loading and rotational conic surface on phase change process in a PCM filled cylinder. Case Studies in Thermal Engineering, 2021, 28, 101456.	5.7	22
96	Thermoelectric Generation with Impinging Nano-Jets. Energies, 2021, 14, 492.	3.1	5
97	Exergetic performance of vapor-compression refrigeration system with TiO ₂ -nanoadditive in the compressor oil. Thermal Science, 2021, 25, 637-642.	1.1	2
98	Comparison of Hybrid and CNT-Nanofluids Used as Heat Transfer Fluid for Forced Convection Through a Phase Change Material (PCM) Filled Vertical Cylinder. Advances in Sustainability Science and Technology, 2021, , 205-221.	0.6	0
99	On the analysis of magnetohydrodynamics and magnetic field-dependent viscosity effects on thermogravitational convection of hybrid nanofluid in an enclosure with curved walls. Physics of Fluids, 2021, 33, .	4.0	9
100	Higher-order time-differential heat transfer model with three-phase lag including memory-dependent derivatives. International Communications in Heat and Mass Transfer, 2021, 128, 105649.	5.6	21
101	Analysis of Low-Grade Heat Driven Ethanol-Silica Gel Adsorption Chiller. Thermal Science and Engineering Progress, 2021, 26, 101125.	2.7	5
102	Forced Convection Laminar Pulsating Flow in a 90-deg Bifurcation. Journal of Thermal Science and Engineering Applications, 2021, 13, .	1.5	3
103	Combined effects of local curvature and elasticity of an isothermal wall for jet impingement cooling under magnetic field effects. Journal of Central South University, 2021, 28, 3534-3544.	3.0	4
104	Effect of different heat transfer fluids on discharging performance of phase change material included cylindrical container during forced convection. Journal of Central South University, 2021, 28, 3521-3533.	3.0	17
105	Thermogravitational convection of Al ₂ O ₃ -H ₂ O nanofluid in a square chamber with intermittent blocks. International Journal of Numerical Methods for Heat and Fluid Flow, 2020, 30, 1365-1378.	2.8	4
106	Al ₂ O ₃ -Water Nanofluid Jet Impingement Cooling With Magnetic Field. Heat Transfer Engineering, 2020, 41, 50-64.	1.9	39
107	Mixed convection in a PCM filled cavity under the influence of a rotating cylinder. Solar Energy, 2020, 200, 61-75.	6.1	64
108	MHD conjugate natural convection in a porous cavity involving a curved conductive partition and estimations by using Long Short-Term Memory Networks. Journal of Thermal Analysis and Calorimetry, 2020, 140, 1457-1468.	3.6	11

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109	Effects of conductive curved partition and magnetic field on natural convection and entropy generation in an inclined cavity filled with nanofluid. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 540, 123004.	2.6	56
110	Nanojet impingement cooling of an isothermal surface in a partially porous medium under the impact of an inclined magnetic field. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 141, 1875-1888.	3.6	8
111	Mixed convection of Al_2O_3/H_2O nanoliquid in a square chamber with complicated fin. <i>International Journal of Mechanical Sciences</i> , 2020, 165, 105192.	6.7	55
112	Natural convection and melting of NEPCM in a corrugated cavity under the effect of magnetic field. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 140, 1427-1442.	3.6	17
113	An analysis of thermal performance and entropy generation in a wavy enclosure with moving walls. <i>European Journal of Mechanics, B/Fluids</i> , 2020, 79, 12-26.	2.5	15
114	Effects of a partially conductive partition in MHD conjugate convection and entropy generation for a horizontal annulus. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 1537-1551.	3.6	10
115	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
116	Control of natural convection in a CNT-water nanofluid filled 3D cavity by using an inner T-shaped obstacle and thermoelectric cooler. <i>International Journal of Mechanical Sciences</i> , 2020, 169, 105104.	6.7	39
117	Magnetohydrodynamic flow and heat transfer of ferrofluid in a channel with non-symmetric cavities. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 140, 811-823.	3.6	15
118	Flow of hybrid nanofluid across a permeable longitudinal moving fin along with thermal radiation and natural convection. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 185, 105166.	4.7	114
119	Experimental investigation of oscillating heat pipe efficiency for a novel condenser by using Fe_3O_4 nanofluid. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 140, 2605-2614.	3.6	26
120	Effects of static and dynamic shading on thermodynamic and electrical performance for photovoltaic panels. <i>Applied Thermal Engineering</i> , 2020, 169, 114900.	6.0	27
121	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
122	Convective drying of a moist porous object under the effects of a rotating cylinder in a channel. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 141, 1569-1590.	3.6	13
123	Impacts of conductive inner L-shaped obstacle and elastic bottom wall on MHD forced convection of a nanofluid in vented cavity. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 141, 465-482.	3.6	6
124	MHD natural convective flow of Fe_3O_4 ferrofluids in an inclined partial open complex-wavy-walls ringed enclosures using non-linear Boussinesq approximation. <i>International Journal of Mechanical Sciences</i> , 2020, 170, 105352.	6.7	51
125	MHD thermogravitational convection and thermal radiation of a micropolar nanoliquid in a porous chamber. <i>International Communications in Heat and Mass Transfer</i> , 2020, 110, 104409.	5.6	98
126	A review of melting and freezing processes of PCM/nano-PCM and their application in energy storage. <i>Energy</i> , 2020, 211, 118698.	8.8	271

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127	Effects of a rotating tube bundle on the hydrothermal performance for forced convection in a vented cavity with Ag-MgO/water hybrid and CNT-water nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, , 1.	3.6	4
128	The potential benefits of surface corrugation and hybrid nanofluids in channel flow on the performance enhancement of a thermo-electric module in energy systems. <i>Energy</i> , 2020, 213, 118520.	8.8	24
129	Impacts of magnetic field and hybrid nanoparticles in the heat transfer fluid on the thermal performance of phase change material installed energy storage system and predictive modeling with artificial neural networks. <i>Journal of Energy Storage</i> , 2020, 32, 101793.	8.1	33
130	Experimental and LES simulation of thermal mixing behavior of a twin-jet flow with sequential cylindrical obstacles. <i>International Communications in Heat and Mass Transfer</i> , 2020, 114, 104576.	5.6	3
131	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.	5.6	105
132	Coupling turbulent natural convection-radiation-conduction in differentially heated cavity with high aspect ratio. <i>International Journal of Thermal Sciences</i> , 2020, 158, 106518.	4.9	10
133	Inclined Lorentz force impact on convective-radiative heat exchange of micropolar nanofluid inside a porous enclosure with tilted elliptical heater. <i>International Communications in Heat and Mass Transfer</i> , 2020, 117, 104762.	5.6	70
134	Identification of pulsating flow effects with CNT nanoparticles on the performance enhancements of thermoelectric generator (TEG) module in renewable energy applications. <i>Renewable Energy</i> , 2020, 162, 1076-1086.	8.9	41
135	Double diffusive buoyancy induced convection in stepwise open porous cavities filled nanofluid. <i>International Communications in Heat and Mass Transfer</i> , 2020, 119, 104949.	5.6	12
136	Analysis of the natural ventilation performance of residential areas considering different urban configurations in Elazığ, Turkey. <i>Urban Climate</i> , 2020, 34, 100709.	5.7	12
137	A Review on the Control Parameters of Natural Convection in Different Shaped Cavities with and without Nanofluid. <i>Processes</i> , 2020, 8, 1011.	2.8	80
138	Hydro-thermal performance of CNT nanofluid in double backward facing step with rotating tube bundle under magnetic field. <i>International Journal of Mechanical Sciences</i> , 2020, 185, 105876.	6.7	43
139	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
140	A computational study on mixed convection in a porous media filled and partially heated lid-driven cavity with an open side. <i>AEJ - Alexandria Engineering Journal</i> , 2020, 59, 1735-1750.	6.4	20
141	Magneto-hydrodynamics forced convection of nanofluid in multi-layered U-shaped vented cavity with a porous region considering wall corrugation effects. <i>International Communications in Heat and Mass Transfer</i> , 2020, 113, 104551.	5.6	79
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