Mikhail A Sheremet

List of Publications by Year
in descending order

338 papers	12,013 citations	19657 61 h-index	51608 86 g-index
341 all docs	341 docs citations	341 times ranked	3045 citing authors

#	Article	IF	Citations
1	Thermogravitational convection of power‑law nanofluid in a cavity with a heat‑generated section on the bottom wall. Mathematical Methods in the Applied Sciences, 2023, 46, 11479-11494.	2.3	8
2	Entropy generation on double-diffusive MHD slip flow of nanofluid over a rotating disk with nonlinear mixed convection and Arrhenius activation energy. Indian Journal of Physics, 2022, 96, 525-541.	1.8	21
3	Entropy generation of natural heat exchange into a porous medium accumulated by a hybrid nanoliquid applying LTNE model. International Journal of Numerical Methods for Heat and Fluid Flow, 2022, 32, 99-119.	2.8	3
4	Effects of temperature oscillation on unsteady MHD hybrid nanofluid motion over a semi‑infinite moving vertical sheet. Heat Transfer, 2022, 51, 818-840.	3.0	5
5	Transient thermogravitational convection for magneto hybrid nanofluid in a deep cavity with multiple isothermal source-sink pairs. International Journal of Thermal Sciences, 2022, 173, 107376.	4.9	15
6	Numerical Simulation of Solid and Porous Fins' Impact on Heat Transfer Performance in a Differentially Heated Chamber. Mathematics, 2022, 10, 263.	2.2	9
7	Numerical Analysis of Heat Transfer through Hollow Brick Using Finite-Difference Method. Axioms, 2022, 11, 37.	1.9	2
8	Influence of Liquid Hydrogen Diffusion on Nonlinear Mixed Convective Circulation around a Yawed Cylinder. Symmetry, 2022, 14, 337.	2.2	3
9	Numerical study of PCMs arrangement effect on heat transfer performance in plate-finned heat sink for passive cooling system. Journal of Thermal Analysis and Calorimetry, 2022, 147, 10305-10317.	3.6	5
10	Comparative analysis of the lattice Boltzmann method and the finite difference technique of thermal convection in closed domains with heaters. International Journal of Numerical Methods for Heat and Fluid Flow, 2022, 32, 3579-3597.	2.8	2
11	Entropy Analysis of the Thermal Convection of Nanosuspension within a Chamber with a Heat-Conducting Solid Fin. Entropy, 2022, 24, 523.	2.2	6
12	Effect of Non-Identical Magnetic Fields on Thermomagnetic Convective Flow of a Nanoliquid Using Buongiorno's Model. Mathematics, 2022, 10, 1222.	2.2	4
13	Thermogravitational Convective Flow and Energy Transport in an Electronic Cabinet with a Heat-Generating Element and Solid/Porous Finned Heat Sink. Mathematics, 2022, 10, 34.	2.2	2
14	The Coriolis Effect on Thermal Convection in a Rotating Sparsely Packed Porous Layer in Presence of Cross-Diffusion. Coatings, 2022, 12, 23.	2.6	4
15	Forced convection of turbulent flow into the wavy parallel channel. Journal of Thermal Analysis and Calorimetry, 2022, 147, 11183-11194.	3.6	6
16	Thermal performance of an environmentally friendly nanoliquid in a cabinet with two l-shaped heaters: application for electronic cooling. International Journal of Numerical Methods for Heat and Fluid Flow, 2022, ahead-of-print, .	2.8	2
17	The effect of nano encapsulated phase change materials and nanoparticles on turbulent heat transport: A conical diffuser scenario. Journal of Energy Storage, 2022, 52, 104703.	8.1	10
18	Convection in a differentially heated cubic cavity rolling about horizontal axis. International Journal of Thermal Sciences, 2022, 179, 107639.	4.9	2

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19	Influence of PCM heat sink shape on cooling of heat-generating elements in electronics. Applied Thermal Engineering, 2022, 213, 118695.	6.0	13
20	Study of tree-shaped optimized fins in a heat sink filled by solid-solid nanocomposite phase change material. International Communications in Heat and Mass Transfer, 2022, 136, 106195.	5.6	13
21	Nonsimilar convective thermal transport analysis of EMHD stagnation Casson nanofluid flow subjected to particle shape factor and thermal radiations. International Communications in Heat and Mass Transfer, 2022, 137, 106230.	5.6	39
22	Phase change heat transfer and energy storage in a wavy-tube thermal storage unit filled with a nano-enhanced phase change material and metal foams. Journal of Energy Storage, 2022, 54, 105277.	8.1	20
23	Mixed convection–radiation in lid-driven cavities with nanofluids and time-dependent heat-generating body. Journal of Thermal Analysis and Calorimetry, 2021, 146, 725-738.	3.6	9
24	Thermal performance in transient MHD thermogravitational convection of nanofluid with various heating effects. Journal of Thermal Analysis and Calorimetry, 2021, 146, 1255-1281.	3.6	11
25	Heat transfer of viscous fluid in a vertical channel sandwiched between nanofluid porous zones. Journal of Thermal Analysis and Calorimetry, 2021, 144, 1389-1399.	3.6	13
26	Effect of the time-dependent volumetric heat flux on heat transfer performance inside a heat sink based on the phase change materials. Clean Technologies and Environmental Policy, 2021, 23, 1151-1160.	4.1	5
27	Influence of the chamber inclination angle and heat-generating element location on thermal convection of power-law medium in a chamber. International Journal of Numerical Methods for Heat and Fluid Flow, 2021, 31, 134-153.	2.8	9
28	Entropy generation on double diffusive MHD Casson nanofluid flow with convective heat transfer and activation energy. Indian Journal of Physics, 2021, 95, 1423-1436.	1.8	27
29	Thermal convection in a chamber filled with a nanosuspension driven by a chemical reaction using Tiwari and Das' model. International Journal of Numerical Methods for Heat and Fluid Flow, 2021, 31, 452-470.	2.8	8
30	Thermal radiation and natural convection in a large-scale enclosure heated from below: Building application. Building Simulation, 2021, 14, 681-691.	5.6	13
31	Effect of nanoparticle shape on the performance of thermal systems utilizing nanofluids: A critical review. Journal of Molecular Liquids, 2021, 321, 114430.	4.9	63
32	Effects of internal heat generation and Lorentz force on unsteady hybrid nanoliquid flow and heat transfer along a moving plate with nonuniform temperature. Heat Transfer, 2021, 50, 2975-2996.	3.0	10
33	Double diffusion in a rectangular duct using metals or oxides suspended in a viscous fluid. Thermal Science and Engineering Progress, 2021, 21, 100793.	2.7	6
34	The influence of external temperature and convective heat exchange with an environment on heat transfer inside phase change material embedded brick. Journal of Energy Storage, 2021, 33, 102087.	8.1	17
35	Effect of inlet/outlet on thermal performance of naturally ventilated building. International Journal of Low-Carbon Technologies, 2021, 16, 1348-1362.	2.6	2
36	Free Convection Heat Transfer and Entropy Generation in an Odd-Shaped Cavity Filled with a Cu-Al2O3 Hybrid Nanofluid. Symmetry, 2021, 13, 122.	2.2	16

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37	Mixed Convection of Silica–Molybdenum Disulphide/Water Hybrid Nanoliquid over a Rough Sphere. Symmetry, 2021, 13, 236.	2.2	42
38	Mixed convection in a chamber saturated with MWCNT-Fe3O4/water hybrid nanofluid under the upper wall velocity modulation. European Physical Journal Plus, 2021, 136, 1.	2.6	6
39	Phase-Transition Thermal Charging of a Channel-Shape Thermal Energy Storage Unit: Taguchi Optimization Approach and Copper Foam Inserts. Molecules, 2021, 26, 1235.	3.8	5
40	Thermal convection and radiation in a rotating cabinet with time-dependent heat-generated solid element and heat-conducting solid walls. International Journal of Numerical Methods for Heat and Fluid Flow, 2021, 31, 3527-3546.	2.8	2
41	Simulation of Thermal Radiation and Turbulent Free Convection in an Enclosure with a Glass Wall and a Local Heater. Fluids, 2021, 6, 91.	1.7	5
42	Impact of particles tracking model of nanofluid on forced convection heat transfer within a wavy horizontal channel. International Communications in Heat and Mass Transfer, 2021, 122, 105176.	5.6	29
43	Natural convection of Al2O3-water nanosuspension in a semi-open domain with composite fin. Physics of Fluids, 2021, 33, 033606.	4.0	4
44	Influence of the Fin Shape on Heat Transport in Phase Change Material Heat Sink with Constant Heat Loads. Energies, 2021, 14, 1389.	3.1	7
45	Latent Heat Thermal Storage of Nano-Enhanced Phase Change Material Filled by Copper Foam with Linear Porosity Variation in Vertical Direction. Energies, 2021, 14, 1508.	3.1	6
46	Magnetized Dissipative Soret Effect on Chemically Reactive Maxwell Fluid over a Stretching Sheet with Joule Heating. Coatings, 2021, 11, 528.	2.6	6
47	Brownian motion of magnetonanofluid flow in an undulated partially heated enclosure. International Journal of Mechanical Sciences, 2021, 198, 106346.	6.7	15
48	Study of paraffin-based composite-phase change materials for a shell and tube energy storage system: A mesh adaptation approach. Applied Thermal Engineering, 2021, 190, 116793.	6.0	11
49	Numerical Investigation of Mixing by Induced Electrokinetic Flow in T-Micromixer with Conductive Curved Arc Plate. Symmetry, 2021, 13, 915.	2.2	8
50	Semi-Analytical Solution of Two-Dimensional Viscous Flow through Expanding/Contracting Gaps with Permeable Walls. Mathematical and Computational Applications, 2021, 26, 41.	1.3	3
51	Impacts of Uniform Magnetic Field and Internal Heated Vertical Plate on Ferrofluid Free Convection and Entropy Generation in a Square Chamber. Entropy, 2021, 23, 709.	2.2	8
52	Thermal convection of nano-liquid in an electronic cabinet with finned heat sink and heat generating element. AEJ - Alexandria Engineering Journal, 2021, 60, 2769-2778.	6.4	31
53	Applications of Nanofluids. Nanomaterials, 2021, 11, 1716.	4.1	14
54	Nonlinear Mixed Convective Flow over a Moving Yawed Cylinder Driven by Buoyancy. Mathematics, 2021, 9, 1275.	2.2	15

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55	Dual solutions for Casson hybrid nanofluid flow due to a stretching/shrinking sheet: A new combination of theoretical and experimental models. Chinese Journal of Physics, 2021, 71, 574-588.	3.9	74
56	Thermal convection in a cubical region saturated with a temperature-dependent viscosity fluid under the non-uniform temperature profile at vertical wall. International Communications in Heat and Mass Transfer, 2021, 126, 105442.	5.6	9
57	Natural Convection Melting Influence on the Thermal Resistance of a Brick Partially Filled with Phase Change Material. Fluids, 2021, 6, 258.	1.7	6
58	Entropy generation in MHD free convection of nanoliquid within a square open chamber with a solid body. International Journal of Numerical Methods for Heat and Fluid Flow, 2021, ahead-of-print, .	2.8	1
59	Numerical Simulation of Convective-Radiative Heat Transfer. Energies, 2021, 14, 5399.	3.1	1
60	Effect of time-dependent wall temperature on natural convection of a non-Newtonian fluid in an enclosure. International Journal of Thermal Sciences, 2021, 166, 106973.	4.9	28
61	Heat transfer analysis of rectangular porous fins in local thermal non-equilibrium model. Applied Thermal Engineering, 2021, 195, 117237.	6.0	19
62	Shape factor effect of radiative Cu–Al2O3/H2O hybrid nanofluid flow towards an EMHD plate. Case Studies in Thermal Engineering, 2021, 26, 101199.	5.7	43
63	Numerical Investigation of Conjugate Natural Convection in a Cavity with a Local Heater by the Lattice Boltzmann Method. Fluids, 2021, 6, 316.	1.7	7
64	Automation of the heated floor system in a room under the influence of ambient conditions. Applied Thermal Engineering, 2021, 196, 117298.	6.0	5
65	Irreversibilities in a triple diffusive flow in various porous cavities. Chinese Journal of Physics, 2021, 73, 239-255.	3.9	9
66	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
67	Influence of phase change material melting point and its location on heat and mass transfer in a brick. Journal of Energy Storage, 2021, 42, 103122.	8.1	11
68	Heat transfer of chemically reacting mixed convection fluid using convective surface condition: Non-Darcy model. Thermal Science and Engineering Progress, 2021, 25, 101044.	2.7	4
69	Effect of third size on natural convection of variable viscosity fluid in a closed parallelepiped. International Communications in Heat and Mass Transfer, 2021, 128, 105618.	5.6	6
70	Cooling of periodically heat-generated element under the convective-radiative heat transfer in a rotating domain with a thermally conducting base plate. International Journal of Thermal Sciences, 2021, 170, 107150.	4.9	4
71	Thermoelectric Generation with Impinging Nano-Jets. Energies, 2021, 14, 492.	3.1	5
72	Thermogravitational convection of ferrofluid combined with the second law of thermodynamics for an open chamber with a heat-generating solid block under an influence of uniform magnetic field. International Communications in Heat and Mass Transfer, 2021, 129, 105712.	5.6	6

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73	Impact of hybrid nanofluids on MHD flow and heat transfer near a vertical plate with ramped wall temperature. Case Studies in Thermal Engineering, 2021, 28, 101557.	5.7	46
74	Thermal convection and entropy generation of ferrofluid in an enclosure containing a solid body. International Journal of Numerical Methods for Heat and Fluid Flow, 2021, 31, 2940-2961.	2.8	2
75	Thermogravitational convection of Al_2O_3-H_2O nanoliquid in a square chamber with intermittent blocks. International Journal of Numerical Methods for Heat and Fluid Flow, 2020, 30, 1365-1378.	2.8	4
76	A comparative study of Al_2O_3 and TiO_2 nanofluid flow over a wedge with non-linear thermal radiation. International Journal of Numerical Methods for Heat and Fluid Flow, 2020, 30, 1291-1317.	2.8	47
77	Mixed convection of Al2O3–H2O nanoliquid in a square chamber with complicated fin. International Journal of Mechanical Sciences, 2020, 165, 105192.	6.7	55
78	Precise prediction of biogas thermodynamic properties by using ANN algorithm. Renewable Energy, 2020, 147, 179-191.	8.9	32
79	Convection in a vertical duct under the chemical reaction influence using Robin boundary conditions. Thermal Science and Engineering Progress, 2020, 15, 100440.	2.7	5
80	Soret effects on the mixed convection flow using Robin boundary conditions. Heat Transfer - Asian Research, 2020, 49, 154-179.	2.8	5
81	Effect of Nano-Sized Heat Transfer Enhancers on PCM-Based Heat Sink Performance at Various Heat Loads. Nanomaterials, 2020, 10, 17.	4.1	26
82	Simulation of nanoliquid thermogravitational convection within a porous chamber imposing magnetic and radiation impacts. Physica A: Statistical Mechanics and Its Applications, 2020, 550, 124058.	2.6	52
83	Nanoliquid thermal convection in I-shaped multiple-pipe heat exchanger under magnetic field influence. Physica A: Statistical Mechanics and Its Applications, 2020, 550, 124028.	2.6	19
84	Effects of Dufour and Soret mechanisms on MHD mixed convective-radiative non-Newtonian liquid flow and heat transfer over a porous sheet. Thermal Science and Engineering Progress, 2020, 16, 100459.	2.7	42
85	MHD thermogravitational convection and thermal radiation of a micropolar nanoliquid in a porous chamber. International Communications in Heat and Mass Transfer, 2020, 110, 104409.	5.6	98
86	Mass transpiration on Newtonian flow over a porous stretching/shrinking sheet with slip. Chinese Journal of Physics, 2020, 63, 130-137.	3.9	43
87	Investigation of thermal-hydro dynamical behavior on nano-encapsulated PCM suspension: Effect of fin position, fractioning and aspect ratio. Chemical Engineering and Processing: Process Intensification, 2020, 157, 108122.	3.6	20
88	Entropy generation and natural convection flow of a suspension containing nano-encapsulated phase change particles in a semi-annular cavity. Journal of Energy Storage, 2020, 32, 101834.	8.1	15
89	Natural convection combined with surface radiation in a rotating cavity with an element of variable volumetric heat generation. Energy, 2020, 210, 118543.	8.8	16
90	A two-phase closed thermosyphon operated with nanofluids for solar energy collectors: Thermodynamic modeling and entropy generation analysis. Solar Energy, 2020, 211, 192-209.	6.1	42

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91	Entropy generation analysis of triple diffusive flow past a horizontal plate in porous medium. Chemical Engineering Science, 2020, 228, 115980.	3.8	38
92	Inclined Lorentz force impact on convective-radiative heat exchange of micropolar nanofluid inside a porous enclosure with tilted elliptical heater. International Communications in Heat and Mass Transfer, 2020, 117, 104762.	5.6	70
93	Numerical simulation of MHD natural convection flow in a wavy cavity filled by a hybrid Cu-Al2O3-water nanofluid with discrete heating. Applied Mathematics and Mechanics (English) Tj ETQq1 1 0.784314 rgBT /Overlock 1	3.6	37
94	Free convective melting-solidification heat transfer of nano-encapsulated phase change particles suspensions inside a coaxial pipe. Advanced Powder Technology, 2020, 31, 4470-4481.	4.1	70
95	Nanoparticle impact on discharging of PCM through a thermal storage involving numerical modeling for heat transfer and irreversibility. Powder Technology, 2020, 376, 424-437.	4.2	20
96	Eco-friendly and scalable radiative cooling for metal substrates with electrophoretically deposited chitosan. Solar Energy Materials and Solar Cells, 2020, 216, 110707.	6.2	7
97	Effect of Porous Medium and Copper Heat Sink on Cooling of Heat-Generating Element. Energies, 2020, 13, 2538.	3.1	14
98	Nanomaterial thermal performance within a pipe in presence of turbulator. Applied Nanoscience (Switzerland), 2020, 10, 3421-3430.	3.1	16
99	Mixed convection of hybrid nanofluid in a porous trapezoidal chamber. International Communications in Heat and Mass Transfer, 2020, 116, 104627.	5.6	67
100	Impacts of rotation and local element of variable heat generation on convective heat transfer in a partially porous cavity using local thermal non-equilibrium model. International Journal of Thermal Sciences, 2020, 155, 106427.	4.9	18
101	Inclusion of nanoparticles in PCM for heat release unit. Journal of Molecular Liquids, 2020, 313, 113544.	4.9	24
102	Simulation for melting of paraffin for saving energy with utilize of nanoparticles. Journal of Molecular Liquids, 2020, 313, 113574.	4.9	12
103	Magnetohydrodynamics energy transport inside a double lid-driven wavy-walled chamber: Impacts of inner solid cylinder and two-phase nanoliquid approach. International Journal of Mechanical Sciences, 2020, 184, 105846.	6.7	21
104	Thermo-hydrodynamic and entropy generation analysis of a dilute aqueous suspension enhanced with nano-encapsulated phase change material. International Journal of Mechanical Sciences, 2020, 178, 105609.	6.7	28
105	Thermal Convection of Nanoliquid in a Double-Connected Chamber. Nanomaterials, 2020, 10, 588.	4.1	11
106	Discharging of PCM for ventilation system incorporating nanoparticles. Journal of Molecular Liquids, 2020, 315, 113696.	4.9	10
107	Cooling System with Porous Finned Heat Sink for Heat-Generating Element. Transport in Porous Media, 2020, 133, 459-478.	2.6	10
108	Numerical analysis of heat source surface emissivity impact on heat transfer performance in a rectangular enclosure at high Rayleigh numbers. International Journal for Computational Methods in Engineering Science and Mechanics, 2020, 21, 205-214.	2.1	3

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109	Computational Study of Heat Transfer inside Different PCMs Enhanced by Al2O3 Nanoparticles in a Copper Heat Sink at High Heat Loads. Nanomaterials, 2020, 10, 284.	4.1	31
110	Analysis of supercritical free convection in Newtonian and couple stress fluids through EOS approach. International Journal of Heat and Mass Transfer, 2020, 152, 119542.	4.8	17
111	Melting heat transfer of power-law non-Newtonian phase change nano-enhanced n-octadecane-mesoporous silica (MPSiO2). International Journal of Heat and Mass Transfer, 2020, 151, 119385.	4.8	84
112	Natural convection flow of a suspension containing nano-encapsulated phase change particles in an eccentric annulus. Journal of Energy Storage, 2020, 28, 101236.	8.1	131
113	Thermogravitational Convection of Hybrid Nanofluid in a Porous Chamber with a Central Heat-Conducting Body. Symmetry, 2020, 12, 593.	2.2	24
114	Enhancement of heat and mass transfer rates through various porous cavities for triple convective-diffusive free convection. Energy, 2020, 201, 117702.	8.8	31
115	Numerical simulation of thermogravitational energy transport of a hybrid nanoliquid within a porous triangular chamber using the two-phase mixture approach. Advanced Powder Technology, 2020, 31, 2493-2504.	4.1	77
116	Natural convection of a hybrid nanofluid affected by an inclined periodic magnetic field within a porous medium. Chinese Journal of Physics, 2020, 65, 447-458.	3.9	100
117	Numerical study of mixed bio-convection associated with a micropolar fluid. Thermal Science and Engineering Progress, 2020, 18, 100539.	2.7	32
118	Numerical Simulation of Heat Transfer in an Enclosure with Time-Periodic Heat Generation Using Finite-Difference Method. Lecture Notes in Computer Science, 2020, , 149-162.	1.3	1
119	Influence of thermal radiation on thermogravitational convection in a tilted chamber having heat-producing solid body. International Communications in Heat and Mass Transfer, 2020, 115, 104611.	5.6	18
120	Natural Convection Melting of PCM: Numerical Simulation Techniques and Applications. Springer Proceedings in Mathematics and Statistics, 2020, , 311-320.	0.2	0
121	Local thermal non-equilibrium analysis of conjugate free convection within a porous enclosure occupied with Agâ€"MgO hybrid nanofluid. Journal of Thermal Analysis and Calorimetry, 2019, 135, 1381-1398.	3.6	114
122	Mixed convection heat transfer of a nanofluid in a lid-driven enclosure with two adherent porous blocks. Journal of Thermal Analysis and Calorimetry, 2019, 135, 1095-1105.	3.6	32
123	Coupled FHDâ€"MHD free convection of a hybrid nanoliquid in an inversed T-shaped enclosure occupied by partitioned porous media. Numerical Heat Transfer; Part A: Applications, 2019, 76, 479-498.	2.1	85
124	Free Convection of Hybrid Nanofluids in a C-Shaped Chamber under Variable Heat Flux and Magnetic Field: Simulation, Sensitivity Analysis, and Artificial Neural Networks. Energies, 2019, 12, 2807.	3.1	19
125	Flow and heat transfer of couple stress nanofluid sandwiched between viscous fluids. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 4262-4276.	2.8	11
126	Thermal and Fluid Dynamic Behaviors of Confined Slot Jets Impinging on an Isothermal Moving Surface with Nanofluids. Energies, 2019, 12, 2074.	3.1	20

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127	Thermogravitational convection of magnetic micropolar nanofluid with coupling between energy and angular momentum equations. International Journal of Heat and Mass Transfer, 2019, 145, 118748.	4.8	54
128	Effect of porous insertion on convective energy transport in a chamber filled with a temperature-dependent viscosity liquid in the presence of a heat source term. International Journal of Heat and Mass Transfer, 2019, 144, 118530.	4.8	11
129	Natural Convection of Non-Newtonian Power-Law Fluid in a Square Cavity with a Heat-Generating Element. Energies, 2019, 12, 2149.	3.1	31
130	Effect of trapezoidal heater on natural convection heat transfer and fluid flow inside a cubical cavity. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 1232-1248.	2.8	18
131	Natural convection in differentially heated enclosures subjected to variable temperature boundaries. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 4130-4141.	2.8	7
132	Impacts of Non-Uniform Border Temperature Variations on Time-Dependent Nanofluid Free Convection within a Trapezium: Buongiornoâ€™s Nanofluid Model. Energies, 2019, 12, 1461.	3.1	13
133	Examining of nanofluid natural convection heat transfer in a <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll" id="d1e828" altimg="si8.gif"><mml:mi>Î“</mml:mi></mml:math>-shaped enclosure including a rectangular hot obstacle using the lattice Boltzmann method. Physica A: Statistical Mechanics and Its Applications, 2019, 526, 120831.	2.6	60
134	CVFEM approach for EHD flow of nanofluid through porous medium within a wavy chamber under the impacts of radiation and moving walls. Journal of Thermal Analysis and Calorimetry, 2019, 138, 573-581.	3.6	68
135	MHD Buoyancy Flow of Nanofluids over an Inclined Plate Immersed in Uniform Porous Medium in the Presence of Solar Radiation. Journal of Mechanics, 2019, 35, 563-576.	1.4	14
136	The Influence of Surface Radiation on the Passive Cooling of a Heat-Generating Element. Energies, 2019, 12, 980.	3.1	8
137	Thermal convection in Al2O3â€“water nanoliquid rotating chamber with a local isothermal heater. International Journal of Mechanical Sciences, 2019, 156, 137-145.	6.7	21
138	Enhancement of heat transfer of nanofluids in the presence of sinusoidal side obstacles between two parallel plates through the lattice Boltzmann method. International Journal of Mechanical Sciences, 2019, 156, 159-169.	6.7	26
139	MHD flow in a vertical channel under the effect of temperature dependent physical parameters. Chinese Journal of Physics, 2019, 58, 324-338.	3.9	17
140	Heat transfer performance of the finned nano-enhanced phase change material system under the inclination influence. International Journal of Heat and Mass Transfer, 2019, 135, 1063-1072.	4.8	116
141	Forced Convection of Fe3O4-Water Nanofluid in a Bifurcating Channel under the Effect of Variable Magnetic Field. Energies, 2019, 12, 666.	3.1	36
142	MHD free convection flow in an inclined square cavity filled with both nanofluids and gyrotactic microorganisms. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 4642-4659.	2.8	46
143	Non-equilibrium natural convection in a differentially-heated nanofluid cavity partially filled with a porous medium. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 2524-2544.	2.8	19
144	Effect of Mass Transfer and MHD Induced Navierâ€™s Slip Flow Due to a non Linear Stretching Sheet. Journal of Engineering Thermophysics, 2019, 28, 578-590.	1.4	23

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145	Impacts of moving wall and heat-generating element on heat transfer and entropy generation of Al2O3/H2O nanofluid. Journal of Thermal Analysis and Calorimetry, 2019, 136, 673-686.	3.6	22
146	Variable magnetic forces impact on magnetizable hybrid nanofluid heat transfer through a circular cavity. Journal of Molecular Liquids, 2019, 277, 388-396.	4.9	225
147	Natural convection of magnetic hybrid nanofluid inside a double-porous medium using two-equation energy model. Journal of Molecular Liquids, 2019, 277, 959-970.	4.9	125
148	Comprehensive investigation of solid and porous fins influence on natural convection in an inclined rectangular enclosure. International Journal of Heat and Mass Transfer, 2019, 133, 729-744.	4.8	69
149	Effects of uniform rotation and porous layer on free convection in an enclosure having local heat source. International Journal of Thermal Sciences, 2019, 138, 276-284.	4.9	28
150	Numerical study of MHD nanofluid natural convection in a baffled U-shaped enclosure. International Journal of Heat and Mass Transfer, 2019, 130, 123-134.	4.8	159
151	Impact of nonhomogeneous nanofluid model on transient mixed convection in a double lid-driven wavy cavity involving solid circular cylinder. International Journal of Mechanical Sciences, 2019, 150, 637-655.	6.7	76
152	Natural convection of Al2O3/H2O nanofluid in a cavity with a heat-generating element. Heatline visualization. International Journal of Heat and Mass Transfer, 2019, 130, 564-574.	4.8	71
153	Unsteady natural convection in a partially porous cavity having a heat-generating source using local thermal non-equilibrium model. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 1902-1919.	2.8	26
154	Numerical investigation of natural convection of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si58.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Al</mml:mtext></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:m nanofluid in a wavy cavity with conductive inner block using Buongiorno's two-phase model. Advanced Powder Technology, 2019, 30, 399-414.	4.1	92
155	Marangoni natural convection in a cubical cavity filled with a nanofluid. Journal of Thermal Analysis and Calorimetry, 2019, 135, 357-369.	3.6	26
156	Unsteady General Three-Dimensional Stagnation Point Flow of a Maxwell/Buongiorno Non-Newtonian Nanofluid. Journal of Nanofluids, 2019, 8, 1544-1559.	2.7	35
157	Soft Computing Approaches for Thermal Conductivity Estimation of CNT/Water Nanofluid. Revue Des Composites Et Des Materiaux Avances, 2019, 29, 71-82.	0.6	7
158	Nanoparticle migration and natural convection heat transfer of Cu-water nanofluid inside a porous undulant-wall enclosure using LTNE and two-phase model. Journal of Molecular Liquids, 2018, 261, 357-372.	4.9	71
159	Natural convection combined with thermal radiation in a square cavity filled with a viscoelastic fluid. International Journal of Numerical Methods for Heat and Fluid Flow, 2018, 28, 624-640.	2.8	40
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