Iskander Tlili

List of Publications by Year
in descending order

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207 papers	7,347 citations	50276 46 h-index	98798 67 g-index
207 all docs	207 docs citations	207 times ranked	3563 citing authors

#	Article	IF	Citations
1	Assessment of boundary layer for flow of <scp>nonâ€Newtonian</scp> material induced by a moving belt with power law viscosity and thermal conductivity models. Numerical Methods for Partial Differential Equations, 2023, 39, 1827-1840.	3.6	4
2	Inclined surface slip flow of nanoparticles with subject to mixed convection phenomenon: Fractional calculus applications. Journal of the Indian Chemical Society, 2022, 99, 100564.	2.8	12
3	The molecular dynamics study of vacancy defect influence on carbon nanotube performance as drug delivery system. Engineering Analysis With Boundary Elements, 2022, 143, 109-123.	3.7	25
4	Heat transfer analysis in convective flows of fractional second grade fluids with Caputoâ€“Fabrizio and Atanganaâ€“Baleanu derivative subject to Newtonion heating. Mechanics of Time-Dependent Materials, 2021, 25, 291-311.	4.4	30
5	Change in internal energy of viscoelastic fluid flow between two rotating parallel plates having variable fluid properties. Indian Journal of Physics, 2021, 95, 1801-1811.	1.8	5
6	Irreversibility of nanomaterial due to MHD via numerical approach. Journal of Thermal Analysis and Calorimetry, 2021, 144, 1041-1050.	3.6	0
7	Treatment of nanofluid within porous media using non-equilibrium approach. Journal of Thermal Analysis and Calorimetry, 2021, 144, 1571-1583.	3.6	2
8	A proposed unsteady bioconvection model for transient thin film flow of rate-type nanoparticles configured by rotating disk. Journal of Thermal Analysis and Calorimetry, 2021, 144, 1639-1654.	3.6	11
9	Efficacy of incorporating PCMs into the commercial wall on the energy-saving annual thermal analysis. Journal of Thermal Analysis and Calorimetry, 2021, 143, 2179-2187.	3.6	23
10	Analysis of generalized micropolar nanofluid with swimming of microorganisms over an accelerated surface with activation energy. Journal of Thermal Analysis and Calorimetry, 2021, 144, 1051-1063.	3.6	22
11	Hybrid nanomaterial migration due to MHD within a tank. Journal of Thermal Analysis and Calorimetry, 2021, 144, 1031-1039.	3.6	1
12	Analysis of nanomaterial flow among two circular tubes in the presence of magnetic force. Journal of Thermal Analysis and Calorimetry, 2021, 144, 993-1002.	3.6	3
13	On the dynamics of a curved microtubule-associated proteins by considering viscoelastic properties of the living biological cells. Journal of Biomolecular Structure and Dynamics, 2021, 39, 2415-2429.	3.5	17
14	Performance enhancement of regenerative gas turbine: air bottoming combined cycle using bypass valve and heat exchangerâ€”energy and exergy analysis. Journal of Thermal Analysis and Calorimetry, 2021, 144, 821-834.	3.6	5
15	Scaling group analysis of bioconvective micropolar fluid flow and heat transfer in a porous medium. Journal of Thermal Analysis and Calorimetry, 2021, 143, 1943-1955.	3.6	31
16	Effects of nonlinear thermal radiation and activation energy on modified second-grade nanofluid with Cattaneoâ€“Christov expressions. Journal of Thermal Analysis and Calorimetry, 2021, 143, 1175-1186.	3.6	44
17	Investigation of nanomaterial flow through non-parallel plates. Journal of Thermal Analysis and Calorimetry, 2021, 143, 3867-3875.	3.6	19
18	Thermodynamic potential of a high-concentration hybrid photovoltaic/thermal plant for co-production of steam and electricity. Journal of Thermal Analysis and Calorimetry, 2021, 143, 1389-1398.	3.6	26

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19	Thermal analysis of a binary base fluid in pool boiling system of glycolâ€“water alumina nano-suspension. Journal of Thermal Analysis and Calorimetry, 2021, 143, 2453-2462.	3.6	40
20	A mathematical model for bioconvection flow of Williamson nanofluid over a stretching cylinder featuring variable thermal conductivity, activation energy and second-order slip. Journal of Thermal Analysis and Calorimetry, 2021, 144, 205-217.	3.6	57
21	Coulomb forces impacts on nanomaterial transportation within porous tank with lid walls. Journal of Thermal Analysis and Calorimetry, 2021, 143, 4249-4260.	3.6	8
22	Entropy optimization analysis on nonlinear thermal radiative electromagnetic Darcyâ€“Forchheimer flow of SWCNT/MWCNT nanomaterials. Applied Nanoscience (Switzerland), 2021, 11, 399-418.	3.1	39
23	Role of magnetic force on the transportation of nanopowders including radiation. Journal of Thermal Analysis and Calorimetry, 2021, 143, 685-692.	3.6	34
24	New idea of Atanganaâ€Baleanu timeâ€fractional derivative to advectionâ€diffusion equation. Mathematical Methods in the Applied Sciences, 2021, 44, 2521-2531.	2.3	3
25	The experimental/numerical investigation of variations in strip speed, water shower pattern and water temperature on high-temperature strip cooling rate in hot strip mill. Journal of Thermal Analysis and Calorimetry, 2021, 143, 293-308.	3.6	8
26	Simulation of thermal behavior of hybrid nanomaterial in a tube improved with turbulator. Journal of Thermal Analysis and Calorimetry, 2021, 143, 693-703.	3.6	15
27	Statistical Assessment of Business Intelligence System Adoption Model for Sustainable Textile and Apparel Industry. IEEE Access, 2021, 9, 106560-106574.	4.2	12
28	Thermal variable conductivity features in Buongiorno nanofluid model between parallel stretching disks: Improving energy system efficiency. Case Studies in Thermal Engineering, 2021, 23, 100820.	5.7	52
29	Comparative analysis of dish Stirling engine and photovoltaic technologies: Energy and economic perspective. Sustainable Energy Technologies and Assessments, 2021, 44, 101028.	2.7	22
30	Analysis of Thermal Creep Effects on Fluid Flow and Heat Transfer in a Microchannel Gas Heating. Journal of Thermal Science and Engineering Applications, 2021, 13, .	1.5	25
31	Applications of activation energy along with thermal and exponential space-based heat source in bioconvection assessment of magnetized third grade nanofluid over stretched cylinder/sheet. Case Studies in Thermal Engineering, 2021, 26, 101043.	5.7	32
32	Thermo-fluidic significance of non Newtonian fluid with hybrid nanostructures. Case Studies in Thermal Engineering, 2021, 26, 101092.	5.7	41
33	Applications of temperature dependent viscosity for Cattaneoâ€“Christov bioconvection flow of couple stress nanofluid over oscillatory stretching surface: A generalized thermal model. Case Studies in Thermal Engineering, 2021, 28, 101412.	5.7	10
34	Thermal analysis and thermo-hydraulic characteristics of zirconiaâ€“water nanofluid under a convective boiling regime. Journal of Thermal Analysis and Calorimetry, 2020, 139, 2413-2422.	3.6	37
35	Thermal evaluation of a heat pipe working with n-pentane-acetone and n-pentane-methanol binary mixtures. Journal of Thermal Analysis and Calorimetry, 2020, 139, 2435-2445.	3.6	70
36	Design of heat exchanger with combined turbulator. Journal of Thermal Analysis and Calorimetry, 2020, 139, 649-659.	3.6	21

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37	Performance enhancement of a humidificationâ€“dehumidification desalination system. Journal of Thermal Analysis and Calorimetry, 2020, 140, 309-319.	3.6	8
38	Effects of nano-clay content, foaming temperature and foaming time on density and cell size of PVC matrix foam by presented Least Absolute Shrinkage and Selection Operator statistical regression via suitable experiments as a function of MMT content. Physica A: Statistical Mechanics and Its Applications, 2020, 537, 122637.	2.6	17
39	Thermodynamic analysis and optimization of solar thermal engine: Performance enhancement. Physica A: Statistical Mechanics and Its Applications, 2020, 540, 123012.	2.6	3
40	Hybrid nanoparticles dispersion into water inside a porous wavy tank involving magnetic force. Journal of Thermal Analysis and Calorimetry, 2020, 141, 1993-1999.	3.6	52
41	Nanoparticles hydrothermal simulation in a pipe with insertion of compound turbulator analyzing entropy generation. Physica A: Statistical Mechanics and Its Applications, 2020, 542, 123038.	2.6	7
42	Numerical analysis of MHD flow and nanoparticle migration within a permeable space containing Non-equilibrium model. Physica A: Statistical Mechanics and Its Applications, 2020, 537, 122459.	2.6	14
43	Effect of complex turbulator on heat transfer of nanomaterial considering turbulent flow. Microsystem Technologies, 2020, 26, 739-749.	2.0	8
44	Nanomaterial thermal treatment along a permeable cylinder. Journal of Thermal Analysis and Calorimetry, 2020, 139, 3309-3315.	3.6	45
45	Water management and desalination in KSA view 2030. Journal of Thermal Analysis and Calorimetry, 2020, 139, 3745-3756.	3.6	25
46	Marangoni convective nanofluid flow over an electromagnetic actuator in the presence of firstâ€order chemical reaction. Heat Transfer - Asian Research, 2020, 49, 274-288.	2.8	25
47	Entropy Generation and Consequences of Binary Chemical Reaction on MHD Darcyâ€“Forchheimer Williamson Nanofluid Flow Over Non-Linearly Stretching Surface. Entropy, 2020, 22, 18.	2.2	173
48	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
49	Locally weighted moving regression: A non-parametric method for modeling nanofluid features of dynamic viscosity. Physica A: Statistical Mechanics and Its Applications, 2020, 550, 124124.	2.6	8
50	Renewable energy resources and workforce case study Saudi Arabia: review and recommendations. Journal of Thermal Analysis and Calorimetry, 2020, 141, 221-230.	3.6	50
51	Simulation of heat transfer in 2D porous tank in appearance of magnetic nanofluid. Physica A: Statistical Mechanics and Its Applications, 2020, 550, 123937.	2.6	7
52	Prediction of MHD flow and entropy generation by Artificial Neural Network in square cavity with heater-sink for nanomaterial. Physica A: Statistical Mechanics and Its Applications, 2020, 541, 123520.	2.6	54
53	Experimental study of temperature and mass fraction effects on thermal conductivity and dynamic viscosity of SiO2-oleic acid/liquid paraffin nanofluid. International Communications in Heat and Mass Transfer, 2020, 110, 104436.	5.6	59
54	Energy storage simulation involving NEPCM solidification in appearance of fins. Physica A: Statistical Mechanics and Its Applications, 2020, 544, 123566.	2.6	14

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55	Influence of metallic nanoparticles in water driven along a wavy circular cylinder. Chinese Journal of Physics, 2020, 63, 168-185.	3.9	22
56	Effect of radiative source term on the behavior of nanomaterial with considering Lorentz forces. Journal of Thermal Analysis and Calorimetry, 2020, 141, 931-940.	3.6	19
57	A Theoretical Analysis for Mixed Convection Flow of Maxwell Fluid between Two Infinite Isothermal Stretching Disks with Heat Source/Sink. Symmetry, 2020, 12, 62.	2.2	28
58	Applying artificial neural network and curve fitting method to predict the viscosity of SAE50/MWCNTs-TiO2 hybrid nanolubricant. Physica A: Statistical Mechanics and Its Applications, 2020, 549, 123946.	2.6	20
59	Modeling of solar system with helical swirl flow device considering nanofluid turbulent forced convection. Physica A: Statistical Mechanics and Its Applications, 2020, 550, 123952.	2.6	13
60	Exploration of Influential Determinants for the Adoption of Business Intelligence System in the Textile and Apparel Industry. Sustainability, 2020, 12, 7674.	3.2	11
61	A Sensorless Wind Speed and Rotor Position Control of PMSG in Wind Power Generation Systems. Sustainability, 2020, 12, 8481.	3.2	10
62	Dynamics of bioconvection flow of micropolar nanoparticles with Cattaneo-Christov expressions. Applied Mathematics and Mechanics (English Edition), 2020, 41, 1333-1344.	3.6	14
63	A novel model to analyze Darcy Forchheimer nanofluid flow in a permeable medium with Entropy generation analysis. Journal of Taibah University for Science, 2020, 14, 916-930.	2.5	23
64	Multiplicative Valency-Based Descriptors for Silicon Carbides Si₂C₃â€‰â^'â€‰I[p,â€‰q], Si₂C₃â€‰â^'â€‰II[p,â€‰q], Si₂C₃â€‰â^'â€‰III[p,â€‰q], and SiC₃â€‰â^'â€‰III[p,â€‰q] in Applications. Journal of Chemistry, 2020, 2020, 1-10.	1.9	0
65	Finite difference simulations for non-isothermal hydromagnetic peristaltic flow of a bio-fluid in a curved channel: Applications to physiological systems. Computer Methods and Programs in Biomedicine, 2020, 195, 105672.	4.7	23
66	BMT: Bioinformatics mini toolbox for comprehensive DNA and protein analysis. Genomics, 2020, 112, 4561-4566.	2.9	7
67	Heat and mass transfer characteristics in flow of bi-viscosity fluid through a curved channel with contracting and expanding walls: A finite difference approach. Advances in Mechanical Engineering, 2020, 12, 168781402096718.	1.6	5
68	Impact of magnetohydrodynamic and buoyancyâ€driven forces on carbon nanotubeâ€water nanofluid. Mathematical Methods in the Applied Sciences, 2020, , .	2.3	2
69	The Penetration of Renewable and Sustainable Energy in Asia: A State-of-the-Art Review on Net-Metering. IEEE Access, 2020, 8, 170364-170388.	4.2	49
70	Influencing Al2O3â^'Cu in 20%water+80%EG hybrid nano coolant inflow on penetrable tensile surface. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2020, , 1-17.	2.3	1
71	Unsteady flow of Rabinowitsch fluid peristaltic transport in a non-uniform channel with temperature-dependent properties. AEJ - Alexandria Engineering Journal, 2020, 59, 4745-4758.	6.4	22
72	Increase thermal conductivity of aqueous mixture by additives graphene nanoparticles in water via an experimental/numerical study: Synthesise, characterization, conductivity measurement, and neural network modeling. International Communications in Heat and Mass Transfer, 2020, 118, 104864.	5.6	30

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73	Entropy generation minimization and chemical response for Williamson fluid flow with thermal diffusion. Applied Nanoscience (Switzerland), 2020, 10, 3123-3131.	3.1	16
74	Thermal and species transportation of Eyring-Powell material over a rotating disk with swimming microorganisms: applications to metallurgy. Journal of Materials Research and Technology, 2020, 9, 5577-5590.	5.8	28
75	Magnetohydrodynamics free convection flow of Carbon nanotubes viscous nanofluids over an infinite plate with Newtonian heating and fractional derivative. Mathematical Methods in the Applied Sciences, 2020, , .	2.3	2
76	Aspects of Chemical Entropy Generation in Flow of Casson Nanofluid between Radiative Stretching Disks. Entropy, 2020, 22, 495.	2.2	53
77	Three-dimensional simulation of wind tunnel diffuser to study the effects of different divergence angles on speed uniform distribution, pressure in outlet, and eddy flows formation in the corners. Physics of Fluids, 2020, 32, .	4.0	5
78	Valency-Based Descriptors for Silicon Carbides, Bismuth(III) Iodide, and Dendrimers in Drug Applications. Journal of Chemistry, 2020, 2020, 1-17.	1.9	1
79	Grooved domain magnetized optimization (GDMO) of hydrodynamic forces due to purely viscous flowing liquid stream: A computational study. Journal of Molecular Liquids, 2020, 304, 112766.	4.9	11
80	Thermal analysis of magnetized pseudoplastic nano fluid flow over 3D radiating non-linear surface with passive mass flux control and chemically responsive species. Journal of Materials Research and Technology, 2020, 9, 8125-8135.	5.8	16
81	Modeling of Business Intelligence Systems Using the Potential Determinants and Theories with the Lens of Individual, Technological, Organizational, and Environmental Contexts-A Systematic Literature Review. Applied Sciences (Switzerland), 2020, 10, 3208.	2.5	24
82	Hybrid meshed finite element analysis (HMFEA) of corrugated magnetized ongoing shear thinning/thickening liquid streams. Journal of Molecular Liquids, 2020, 306, 112915.	4.9	10
83	Effect of copper nanoparticles on thermal behavior of water flow in a zig-zag nanochannel using molecular dynamics simulation. International Communications in Heat and Mass Transfer, 2020, 116, 104652.	5.6	21
84	3D MHD nonlinear radiative flow of CuO-MgO/methanol hybrid nanofluid beyond an irregular dimension surface with slip effect. Scientific Reports, 2020, 10, 9181.	3.3	76
85	Applications of nanofluids containing carbon nanotubes in solar energy systems: A review. Journal of Molecular Liquids, 2020, 313, 113476.	4.9	190
86	Photo-catalytic pretreatment of biomass for anaerobic digestion using visible light and Nickle oxide (NiOx) nanoparticles prepared by sol gel method. Renewable Energy, 2020, 154, 128-135.	8.9	20
87	Free convection/radiation and entropy generation analyses for nanofluid of inclined square enclosure with uniform magnetic field. Journal of Thermal Analysis and Calorimetry, 2020, 141, 635-648.	3.6	47
88	Activation energy and bioconvection aspects in generalized second-grade nanofluid over a Riga plate: a theoretical model. Applied Nanoscience (Switzerland), 2020, 10, 4445-4458.	3.1	31
89	Forced convection heat transfer of nanofluids from a horizontal plate with convective boundary condition and a line heat source embedded in porous media. Journal of Thermal Analysis and Calorimetry, 2020, 141, 2081-2094.	3.6	8
90	Entropy generation for spiral heat exchanger with considering NEPCM charging process using hybrid nanomaterial. European Physical Journal Plus, 2020, 135, 1.	2.6	22

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91	A Numerical Exploration of Modified Second-Grade Nanofluid with Motile Microorganisms, Thermal Radiation, and Wuâ€™s Slip. Symmetry, 2020, 12, 393.	2.2	97
92	3-D magnetohydrodynamic AA7072-AA7075/methanol hybrid nanofluid flow above an uneven thickness surface with slip effect. Scientific Reports, 2020, 10, 4265.	3.3	92
93	Probabilistic Generation Model of Solar Irradiance for Grid Connected Photovoltaic Systems Using Weibull Distribution. Sustainability, 2020, 12, 2241.	3.2	32
94	Radiative MHD Nanofluid Flow over a Moving Thin Needle with Entropy Generation in a Porous Medium with Dust Particles and Hall Current. Entropy, 2020, 22, 354.	2.2	34
95	Numerical simulations for mixed convective hydromagnetic peristaltic flow in a curved channel with joule heating features. AIP Advances, 2020, 10, 075303.	1.3	19
96	Effects of Homogeneous and Heterogeneous Chemical Features on Oldroyd-B Fluid Flow between Stretching Disks with Velocity and Temperature Boundary Assumptions. Mathematical Problems in Engineering, 2020, 2020, 1-13.	1.1	13
97	Bioconvection in Cross Nano-Materials with Magnetic Dipole Impacted by Activation Energy, Thermal Radiation, and Second Order Slip. Symmetry, 2020, 12, 1019.	2.2	12
98	Utilization of modified Darcy's law in peristalsis with a compliant channel: applications to thermal science. Journal of Materials Research and Technology, 2020, 9, 5619-5629.	5.8	16
99	Significance of Bioconvective and Thermally Dissipation Flow of Viscoelastic Nanoparticles with Activation Energy Features: Novel Biofuels Significance. Symmetry, 2020, 12, 214.	2.2	44
100	Role of various configurations of a wavy circular heater on convective heat transfer within an enclosure filled with nanofluid. International Communications in Heat and Mass Transfer, 2020, 113, 104525.	5.6	54
101	Internal energy change and activation energy effects on Casson fluid. AIP Advances, 2020, 10, .	1.3	17
102	Utilization of Second Order Slip, Activation Energy and Viscous Dissipation Consequences in Thermally Developed Flow of Third Grade Nanofluid with Gyrotactic Microorganisms. Symmetry, 2020, 12, 309.	2.2	40
103	Simultaneous effects of heterogeneous-homogeneous reactions in peristaltic flow comprising thermal radiation: Rabinowitsch fluid model. Journal of Materials Research and Technology, 2020, 9, 3520-3529.	5.8	36
104	Malmquist Indexes of Productivity Change in Tunisian Manufacturing Industries. Sustainability, 2020, 12, 1367.	3.2	6
105	Prediction of viscosity of biodiesel blends using various artificial model and comparison with empirical correlations. Renewable Energy, 2020, 153, 1296-1306.	8.9	99
106	Optimization of micro Knudsen gas sensor for high precision detection of SO2 in natural gas. Results in Physics, 2020, 16, 102933.	4.1	14
107	Analytical solutions for unsteady electrohydrodynamics flows of Maxwell fluids in microchannels with circular cross section. Physics of Fluids, 2020, 32, .	4.0	17
108	Effect of asymmetrical heat rise/fall on the film flow of magnetohydrodynamic hybrid ferrofluid. Scientific Reports, 2020, 10, 6677.	3.3	54

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109	Hermiteâ€“Jensenâ€“Mercer Type Inequalities for Caputo Fractional Derivatives. Journal of Function Spaces, 2020, 2020, 1-11.	0.9	22
110	Evaporation of Water/Alumina Nanofluid Film by Mixed Convection Inside Heated Vertical Channel. Applied Sciences (Switzerland), 2020, 10, 2380.	2.5	4
111	Hybrid nanomaterial flow and heat transport in a stretchable convergent/divergent channel: a Darcy-Forchheimer model. Applied Mathematics and Mechanics (English Edition), 2020, 41, 699-710.	3.6	20
112	Evaluation of thermal conductivity of deionized water containing SDS-coated NiO nanoparticles under the influences ofconstant and alternative varied magnetic fields. Powder Technology, 2020, 367, 143-156.	4.2	7
113	Biodiesel Production from Melia azedarach and Ricinus communis Oil by Transesterification Process. Catalysts, 2020, 10, 427.	3.5	16
114	Effects of Chemical Species and Nonlinear Thermal Radiation with 3D Maxwell Nanofluid Flow with Double Stratificationâ€”An Analytical Solution. Entropy, 2020, 22, 453.	2.2	37
115	Investigation of Hydrothermal Behavior of Fe3O4-H2O Nanofluid Natural Convection in a Novel Shape of Porous Cavity Subjected to Magnetic Field Dependent (MFD) Viscosity. Journal of Energy Storage, 2020, 30, 101395.	8.1	88
116	Towards Sustainable Textile and Apparel Industry: Exploring the Role of Business Intelligence Systems in the Era of Industry 4.0. Sustainability, 2020, 12, 2632.	3.2	77
117	Effect of radiation on engine oil-TC4/NiCr mixture nanofluid flow over a revolving cone in mutable permeable medium. Ain Shams Engineering Journal, 2020, 11, 1255-1263.	6.1	36
118	The effect of alcoholâ€“gasoline fuel blends on the enginesâ€™ performances and emissions. Fuel, 2020, 276, 117977.	6.4	37
119	Analysis of a single-phase natural circulation loop with hybrid-nanofluid. International Communications in Heat and Mass Transfer, 2020, 112, 104498.	5.6	43
120	Impact of heated triangular ribs on hydrodynamic forces in a rectangular domain with heated elliptic cylinder: Finite element analysis. International Communications in Heat and Mass Transfer, 2020, 112, 104501.	5.6	33
121	Significance of Activation Energy and Effective Prandtl Number in Accelerated Flow of Jeffrey Nanoparticles With Gyrotactic Microorganisms. Journal of Energy Resources Technology, Transactions of the ASME, 2020, 142, .	2.3	20
122	Numerical Investigation of Forced Convective Heat Transfer and Performance Evaluation Criterion of Al2O3/Water Nanofluid Flow inside an Axisymmetric Microchannel. Symmetry, 2020, 12, 120.	2.2	71
123	Thermal Conductivity Modeling of Nanofluids Contain MgO Particles by Employing Different Approaches. Symmetry, 2020, 12, 206.	2.2	60
124	Thermodynamic Analysis of MHD Heat and Mass Transfer of Nanofluids Past a Static Wedge with Navier Slip and Convective Boundary Conditions. Arabian Journal for Science and Engineering, 2019, 44, 1255-1267.	3.0	36
125	Current controller design for DFIGâ€based wind turbines using state feedback control. IET Renewable Power Generation, 2019, 13, 1938-1948.	3.1	30
126	Numerical investigation of Fe3O4 nanoparticles transportation due to electric field in a porous cavity with lid walls. Journal of Molecular Liquids, 2019, 293, 111537.	4.9	11

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127	Investigation of thermal characteristics of carbon nanotubes: Measurement and dependence. Journal of Molecular Liquids, 2019, 294, 111564.	4.9	18
128	Transient nanofluid squeezing cooling process using aluminum oxide nanoparticle. International Journal of Modern Physics C, 2019, 30, 1950078.	1.7	23
129	Convective Bubbly Flow of Water in an Annular Pipe: Role of Total Dissolved Solids on Heat Transfer Characteristics and Bubble Formation. Water (Switzerland), 2019, 11, 1566.	2.7	21
130	Simulation of nanomaterial turbulent modeling in appearance of compound swirl device concerning exergy drop. Physica A: Statistical Mechanics and Its Applications, 2019, 534, 122121.	2.6	7
131	Design of State Feedback Current Controller for Fast Synchronization of DFIG in Wind Power Generation Systems. Energies, 2019, 12, 2427.	3.1	25
132	Effect of cylinder-liner rotation on wear rate: An experimental study. Heliyon, 2019, 5, e02065.	3.2	5
133	Experimental Investigation on Thermal Performance of a PV/T-PCM (Photovoltaic/Thermal) System Cooling with a PCM and Nanofluid. Energies, 2019, 12, 2572.	3.1	126
134	Investigation of nanofluid conduction heat transfer within a triplex tube considering solidification. Journal of Molecular Liquids, 2019, 290, 111232.	4.9	26
135	Suggestion of new correlations for the exergy efficiency and coefficient of exergy performance of annulus section of conically coiled tube-in-tube heat exchangers. Chemical Engineering Research and Design, 2019, 152, 309-319.	5.6	20
136	Natural convection flow of second grade fluid with thermal radiation and damped thermal flux between vertical channels. AEJ - Alexandria Engineering Journal, 2019, 58, 1119-1125.	6.4	22
137	Entropy Generation in Cu-Al2O3-H2O Hybrid Nanofluid Flow over a Curved Surface with Thermal Dissipation. Entropy, 2019, 21, 941.	2.2	51
138	Stagnation Point Flow with Time-Dependent Bionanofluid Past a Sheet: Richardson Extrapolation Technique. Processes, 2019, 7, 722.	2.8	11
139	Performance enhancement of a multi-effect desalination plant: A thermodynamic investigation. Physica A: Statistical Mechanics and Its Applications, 2019, 535, 122535.	2.6	3
140	Heat transfer in a permeable cavity filled with a ferrofluid under electric force and radiation effects. AIP Advances, 2019, 9, .	1.3	15
141	The influence of upstream wavy surface on the mixing zone of the transverse hydrogen jet at supersonic free stream. Aerospace Science and Technology, 2019, 94, 105407.	4.8	60
142	Natural convection of bio-nanofluid between two vertical parallel plates with damped shear and thermal flux. Journal of Molecular Liquids, 2019, 296, 111575.	4.9	14
143	Effects of Relative Magnetic Field, Chemical Reaction, Heat Generation and Newtonian Heating on Convection Flow of Casson Fluid over a Moving Vertical Plate Embedded in a Porous Medium. Scientific Reports, 2019, 9, 400.	3.3	36
144	Thermal Evaluation of Graphene Nanoplatelets Nanofluid in a Fast-Responding HP with the Potential Use in Solar Systems in Smart Cities. Applied Sciences (Switzerland), 2019, 9, 2101.	2.5	63

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145	Thermal management of MHD nanofluid within the porous medium enclosed in a wavy shaped cavity with square obstacle in the presence of radiation heat source. International Journal of Heat and Mass Transfer, 2019, 139, 87-94.	4.8	58
146	Potential of Solar Collectors for Clean Thermal Energy Production in Smart Cities using Nanofluids: Experimental Assessment and Efficiency Improvement. Applied Sciences (Switzerland), 2019, 9, 1877.	2.5	66
147	Irreversibility Analysis of Hybrid Nanofluid Flow over a Thin Needle with Effects of Energy Dissipation. Symmetry, 2019, 11, 663.	2.2	52
148	Effects MHD and Heat Generation on Mixed Convection Flow of Jeffrey Fluid in Microgravity Environment over an Inclined Stretching Sheet. Symmetry, 2019, 11, 438.	2.2	32
149	Transient process in a finned triplex tube during phase changing of aluminum oxide enhanced PCM. European Physical Journal Plus, 2019, 134, 1.	2.6	17
150	Simulation of convection heat transfer of magnetic nanoparticles including entropy generation using CVFEM. International Journal of Heat and Mass Transfer, 2019, 136, 146-156.	4.8	41
151	MHD Flow and Heat Transfer over Vertical Stretching Sheet with Heat Sink or Source Effect. Symmetry, 2019, 11, 297.	2.2	58
152	Fractional Order Forced Convection Carbon Nanotube Nanofluid Flow Passing Over a Thin Needle. Symmetry, 2019, 11, 312.	2.2	40
153	Heat transfer simulation during charging of nanoparticle enhanced PCM within a channel. Physica A: Statistical Mechanics and Its Applications, 2019, 525, 557-565.	2.6	78
154	Stability Analysis of Darcy-Forchheimer Flow of Casson Type Nanofluid Over an Exponential Sheet: Investigation of Critical Points. Symmetry, 2019, 11, 412.	2.2	57
155	Impact of Nonlinear Thermal Radiation and the Viscous Dissipation Effect on the Unsteady Three-Dimensional Rotating Flow of Single-Wall Carbon Nanotubes with Aqueous Suspensions. Symmetry, 2019, 11, 207.	2.2	52
156	Heat transfer simulation of heat storage unit with nanoparticles and fins through a heat exchanger. International Journal of Heat and Mass Transfer, 2019, 135, 470-478.	4.8	341
157	Nanotechnology for water purification: electrospun nanofibrous membrane in water and wastewater treatment. Journal of Water Reuse and Desalination, 2019, 9, 232-248.	2.3	117
158	Nanofluid MHD forced convection heat transfer around the elliptic obstacle inside a permeable lid drive 3D enclosure considering lattice Boltzmann method. Physica A: Statistical Mechanics and Its Applications, 2019, 523, 87-104.	2.6	72
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