

Dd Ganji

List of Publications by Year in descending order

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551
papers

34,811
citations

1883

102
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8370

147
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560
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560
docs citations

560
times ranked

7568
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of thermal radiation on magnetohydrodynamics nanofluid flow and heat transfer by means of two phase model. Journal of Magnetism and Magnetic Materials, 2015, 374, 36-43.	1.0	712
2	Ferrohydrodynamic and magnetohydrodynamic effects on ferrofluid flow and convective heat transfer. Energy, 2014, 75, 400-410.	4.5	394
3	The application of He's homotopy perturbation method to nonlinear equations arising in heat transfer. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 355, 337-341.	0.9	388
4	Heat transfer of Cu-water nanofluid flow between parallel plates. Powder Technology, 2013, 235, 873-879.	2.1	386
5	Review of heat transfer enhancement methods: Focus on passive methods using swirl flow devices. Renewable and Sustainable Energy Reviews, 2015, 49, 444-469.	8.2	370
6	Investigation on thermophysical properties of $\text{TiO}_2\text{-Cu}/\text{H}_2\text{O}$ hybrid nanofluid transport dependent on shape factor in MHD stagnation point flow. Powder Technology, 2017, 322, 428-438.	2.1	344
7	Nanofluid convective heat transfer using semi analytical and numerical approaches: A review. Journal of the Taiwan Institute of Chemical Engineers, 2016, 65, 43-77.	2.7	314
8	Nanofluid flow and heat transfer between parallel plates considering Brownian motion using DTM. Computer Methods in Applied Mechanics and Engineering, 2015, 283, 651-663.	3.4	306
9	Effect of non-uniform magnetic field on forced convection heat transfer of $\text{Cu}/\text{Fe}_3\text{O}_4/\text{H}_2\text{O}$ nanofluid. Computer Methods in Applied Mechanics and Engineering, 2015, 294, 299-312.	3.4	305
10	Nanofluid flow and heat transfer in a rotating system in the presence of a magnetic field. Journal of Molecular Liquids, 2014, 190, 112-120.	2.3	304
11	Numerical investigation of MHD effects on $\text{Al}_2\text{O}_3\text{-water}$ nanofluid flow and heat transfer in a semi-annulus enclosure using LBM. Energy, 2013, 60, 501-510.	4.5	285
12	Investigation of squeezing unsteady nanofluid flow using ADM. Powder Technology, 2013, 239, 259-265.	2.1	280
13	Magnetic field effects on natural convection around a horizontal circular cylinder inside a square enclosure filled with nanofluid. International Communications in Heat and Mass Transfer, 2012, 39, 978-986.	2.9	274
14	Entropy generation of nanofluid in presence of magnetic field using Lattice Boltzmann Method. Physica A: Statistical Mechanics and Its Applications, 2015, 417, 273-286.	1.2	272
15	Numerical simulation of MHD nanofluid flow and heat transfer considering viscous dissipation. International Journal of Heat and Mass Transfer, 2014, 79, 212-222.	2.5	254
16	Free convection of magnetic nanofluid considering MFD viscosity effect. Journal of Molecular Liquids, 2016, 218, 393-399.	2.3	251
17	Lattice Boltzmann method for MHD natural convection heat transfer using nanofluid. Powder Technology, 2014, 254, 82-93.	2.1	245
18	Analytical investigation of MHD nanofluid flow in a semi-porous channel. Powder Technology, 2013, 246, 327-336.	2.1	243

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19	Application of He's Homotopy-perturbation Method to Nonlinear Coupled Systems of Reaction-diffusion Equations. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2006, 7, .	0.4	241
20	Magnetic field effect on unsteady nanofluid flow and heat transfer using Buongiorno model. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 416, 164-173.	1.0	240
21	Natural convection heat transfer in a nanofluid filled semi-annulus enclosure. <i>International Communications in Heat and Mass Transfer</i> , 2012, 39, 565-574.	2.9	224
22	Effect of a magnetic field on natural convection in an inclined half-annulus enclosure filled with Cu-water nanofluid using CVFEM. <i>Advanced Powder Technology</i> , 2013, 24, 980-991.	2.0	224
23	Magneto-hydrodynamic free convection of Al ₂ O ₃ -water nanofluid considering Thermophoresis and Brownian motion effects. <i>Computers and Fluids</i> , 2014, 94, 147-160.	1.3	218
24	Slip effects on unsteady stagnation point flow of a nanofluid over a stretching sheet. <i>Powder Technology</i> , 2014, 253, 377-384.	2.1	207
25	Ferrofluid flow and heat transfer in a semi annulus enclosure in the presence of magnetic source considering thermal radiation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 47, 6-17.	2.7	207
26	Three dimensional heat and mass transfer in a rotating system using nanofluid. <i>Powder Technology</i> , 2014, 253, 789-796.	2.1	205
27	Magneto-hydrodynamic flow and heat transfer of a hybrid nanofluid in a rotating system among two surfaces in the presence of thermal radiation and Joule heating. <i>AIP Advances</i> , 2019, 9, .	0.6	204
28	Natural convection of nanofluids in an enclosure between a circular and a sinusoidal cylinder in the presence of magnetic field. <i>International Communications in Heat and Mass Transfer</i> , 2012, 39, 1435-1443.	2.9	203
29	Thermal and flow analysis of microchannel heat sink (MCHS) cooled by Cu-water nanofluid using porous media approach and least square method. <i>Energy Conversion and Management</i> , 2014, 78, 347-358.	4.4	203
30	Analytical investigation of Jeffery-Hamel flow with high magnetic field and nanoparticle by Adomian decomposition method. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2012, 33, 25-36.	1.9	201
31	Brownian motion and thermophoresis effects on slip flow of alumina/water nanofluid inside a circular microchannel in the presence of a magnetic field. <i>International Journal of Thermal Sciences</i> , 2014, 84, 196-206.	2.6	200
32	Solitary wave solutions for a generalized Hirota-Satsuma coupled KdV equation by homotopy perturbation method. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006, 356, 131-137.	0.9	196
33	Nonlinear thermal radiation effect on magneto Casson nanofluid flow with Joule heating effect over an inclined porous stretching sheet. <i>Case Studies in Thermal Engineering</i> , 2018, 12, 176-187.	2.8	194
34	Numerical investigation of magnetic nanofluid forced convective heat transfer in existence of variable magnetic field using two phase model. <i>Journal of Molecular Liquids</i> , 2015, 212, 117-126.	2.3	192
35	Assessment of homotopy-perturbation and perturbation methods in heat radiation equations. <i>International Communications in Heat and Mass Transfer</i> , 2006, 33, 391-400.	2.9	191
36	Natural convection heat transfer in a cavity with sinusoidal wall filled with Cu-water nanofluid in presence of magnetic field. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 40-49.	2.7	186

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37	Nanofluid flow and heat transfer due to a stretching cylinder in the presence of magnetic field. Heat and Mass Transfer, 2013, 49, 427-436.	1.2	185
38	Micropolar fluid flow and heat transfer in a permeable channel using analytical method. Journal of Molecular Liquids, 2014, 194, 30-36.	2.3	183
39	Computer simulation of MHD blood conveying gold nanoparticles as a third grade non-Newtonian nanofluid in a hollow porous vessel. Computer Methods and Programs in Biomedicine, 2014, 113, 632-641.	2.6	179
40	Experimental analysis of heat transfer enhancement in shell and helical tube heat exchangers. Applied Thermal Engineering, 2013, 51, 644-652.	3.0	175
41	Heat transfer study through porous fins (Si3N4 and AL) with temperature-dependent heat generation. Energy Conversion and Management, 2013, 74, 9-16.	4.4	173
42	Investigation of cross-fluid flow containing motile gyrotactic microorganisms and nanoparticles over a three-dimensional cylinder. AEJ - Alexandria Engineering Journal, 2020, 59, 3297-3307.	3.4	171
43	Magnetic field effect on nanofluid flow and heat transfer using KKL model. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 795-807.	2.7	166
44	Effect of electric field on hydrothermal behavior of nanofluid in a complex geometry. Journal of Molecular Liquids, 2016, 213, 153-161.	2.3	162
45	A review of different heat exchangers designs for increasing the diesel exhaust waste heat recovery. Renewable and Sustainable Energy Reviews, 2014, 37, 168-181.	8.2	160
46	Thermal performance of circular convective-radiative porous fins with different section shapes and materials. Energy Conversion and Management, 2013, 76, 185-193.	4.4	156
47	Natural convection of sodium alginate (SA) non-Newtonian nanofluid flow between two vertical flat plates by analytical and numerical methods. Case Studies in Thermal Engineering, 2014, 2, 14-22.	2.8	154
48	Magneto hydrodynamic Nanofluid Natural Convection in a Cavity under Thermal Radiation and Shape Factor of Nanoparticles Impacts: A Numerical Study Using CVFEM. Applied Sciences (Switzerland), 2018, 8, 2396.	1.3	150
49	Natural convection analysis in a square enclosure with a wavy circular heater under magnetic field and nanoparticles. Journal of Thermal Analysis and Calorimetry, 2020, 139, 661-671.	2.0	149
50	Effect of internal fins along with Hybrid Nano-Particles on solid process in star shape triplex Latent Heat Thermal Energy Storage System by numerical simulation. Renewable Energy, 2020, 154, 497-507.	4.3	149
51	Natural Convection Analysis in a Cavity with an Inclined Elliptical Heater Subject to Shape Factor of Nanoparticles and Magnetic Field. Arabian Journal for Science and Engineering, 2019, 44, 7919-7931.	1.7	145
52	Numerical investigation for two phase modeling of nanofluid in a rotating system with permeable sheet. Journal of Molecular Liquids, 2014, 194, 13-19.	2.3	144
53	Heat transfer improvement in a double pipe heat exchanger by means of perforated turbulators. Energy Conversion and Management, 2016, 127, 112-123.	4.4	144
54	Application of LBM in simulation of natural convection in a nanofluid filled square cavity with curve boundaries. Powder Technology, 2013, 247, 87-94.	2.1	141

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55	Statistical optimization of microchannel heat sink (MCHS) geometry cooled by different nanofluids using RSM analysis. <i>European Physical Journal Plus</i> , 2015, 130, 1.	1.2	140
56	Investigation on ethylene glycol Nano fluid flow over a vertical permeable circular cylinder under effect of magnetic field. <i>Results in Physics</i> , 2018, 9, 1525-1533.	2.0	140
57	Heat transfer and flow analysis for SA-TiO ₂ non-Newtonian nanofluid passing through the porous media between two coaxial cylinders. <i>Journal of Molecular Liquids</i> , 2013, 188, 155-161.	2.3	139
58	MHD free convection in an eccentric semi-annulus filled with nanofluid. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 1204-1216.	2.7	139
59	Thermal analysis of convective fin with temperature-dependent thermal conductivity and heat generation. <i>Case Studies in Thermal Engineering</i> , 2014, 4, 1-8.	2.8	139
60	Numerical investigation of nanofluid spraying on an inclined rotating disk for cooling process. <i>Journal of Molecular Liquids</i> , 2015, 211, 577-583.	2.3	139
61	MHD boundary layer analysis for micropolar dusty fluid containing Hybrid nanoparticles (Cu@Al ₂ O ₃) over a porous medium. <i>Journal of Molecular Liquids</i> , 2018, 268, 813-823.	2.3	139
62	Nanofluid hydrothermal behavior in existence of Lorentz forces considering Joule heating effect. <i>Journal of Molecular Liquids</i> , 2016, 224, 526-537.	2.3	137
63	Numerical analysis of discharging process acceleration in LHTESS by immersing innovative fin configuration using finite element method. <i>Applied Thermal Engineering</i> , 2016, 107, 154-166.	3.0	134
64	Explicit Solutions of Helmholtz Equation and Fifth-order KdV Equation using Homotopy Perturbation Method. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2006, 7, .	0.4	133
65	Heat flux boundary condition for nanofluid filled enclosure in presence of magnetic field. <i>Journal of Molecular Liquids</i> , 2014, 193, 174-184.	2.3	133
66	Magnetic field effect on nanoparticles migration and heat transfer of water/alumina nanofluid in a channel. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 362, 172-179.	1.0	129
67	Optimization of hybrid nanoparticles with mixture fluid flow in an octagonal porous medium by effect of radiation and magnetic field. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 1413-1424.	2.0	127
68	Modified Buongiorno's model for fully developed mixed convection flow of nanofluids in a vertical annular pipe. <i>Computers and Fluids</i> , 2014, 89, 124-132.	1.3	126
69	Investigation of refrigeration efficiency for fully wet circular porous fins with variable sections by combined heat and mass transfer analysis. <i>International Journal of Refrigeration</i> , 2014, 40, 140-151.	1.8	125
70	Impact of Cattaneo-Christov heat flux on MHD nanofluid flow and heat transfer between parallel plates considering thermal radiation effect. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 80, 52-63.	2.7	125
71	Nanofluid heat transfer analysis in a microchannel heat sink (MCHS) under the effect of magnetic field by means of KKL model. <i>Powder Technology</i> , 2018, 324, 36-47.	2.1	125
72	Effect of magnetic field on Cu-water nanofluid heat transfer using GMDH-type neural network. <i>Neural Computing and Applications</i> , 2014, 25, 171-178.	3.2	124

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73	Analytical investigation of MHD nanofluid flow in non-parallel walls. Journal of Molecular Liquids, 2014, 194, 251-259.	2.3	124
74	Numerical analysis of natural convection of Cu ²⁺ water nanofluid filling triangular cavity with semicircular bottom wall. Journal of Thermal Analysis and Calorimetry, 2019, 135, 3485-3497.	2.0	124
75	Numerical study of mixed convection in an inclined two sided lid driven cavity filled with nanofluid using two-phase mixture model. International Communications in Heat and Mass Transfer, 2011, 38, 1428-1435.	2.9	122
76	Analytical study of micropolar fluid flow and heat transfer in a channel with permeable walls. Journal of Molecular Liquids, 2015, 204, 198-204.	2.3	122
77	Effect of two different fins (longitudinal and radial) and hybrid nano-particles (TiO_2 and Ag) on solidification process in triplex latent heat thermal energy storage. AEJ - Alexandria Engineering Journal, 2020, 59, 107-115.	3.4	122
78	Numerical simulation of hydrothermal features of Cu ²⁺ H ₂ O nanofluid natural convection within a porous annulus considering diverse configurations of heater. Journal of Thermal Analysis and Calorimetry, 2020, 141, 2109-2125.	2.0	121
79	Numerical study of shock wave interaction on transverse jets through multiport injector arrays in supersonic crossflow. Acta Astronautica, 2015, 115, 422-433.	1.7	119
80	Fe ₃ O ₄ -(CH ₂ OH) ₂ nanofluid analysis in a porous medium under MHD radiative boundary layer and dusty fluid. Journal of Molecular Liquids, 2018, 258, 172-185.	2.3	118
81	Thermal management for free convection of nanofluid using two phase model. Journal of Molecular Liquids, 2014, 194, 179-187.	2.3	117
82	Nanofluid flow and heat transfer in an asymmetric porous channel with expanding or contracting wall. Journal of Molecular Liquids, 2014, 195, 230-239.	2.3	117
83	Investigation of MHD Eyring-Powell fluid flow over a rotating disk under effect of homogeneous-heterogeneous reactions. Case Studies in Thermal Engineering, 2019, 13, 100356.	2.8	117
84	Study on blood flow containing nanoparticles through porous arteries in presence of magnetic field using analytical methods. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 70, 146-156.	1.3	115
85	Natural convection MHD flow due to MoS ₂ -Ag nanoparticles suspended in C ₂ H ₆ O ₂ H ₂ O hybrid base fluid with thermal radiation. Journal of the Taiwan Institute of Chemical Engineers, 2019, 97, 12-23.	2.7	115
86	Heat transfer enhancement in an air to water heat exchanger with discontinuous helical turbulators; experimental and numerical studies. Energy, 2016, 116, 341-352.	4.5	114
87	A numerical investigation of magneto-hydrodynamic natural convection of Cu ²⁺ water nanofluid in a wavy cavity using CVFEM. Journal of Thermal Analysis and Calorimetry, 2019, 135, 2599-2611.	2.0	113
88	Hydrothermal analysis of MHD nanofluid (TiO ₂ -GO) flow between two radiative stretchable rotating disks using AGM. Case Studies in Thermal Engineering, 2019, 14, 100460.	2.8	113
89	Investigation of mixture fluid suspended by hybrid nanoparticles over vertical cylinder by considering shape factor effect. Journal of Thermal Analysis and Calorimetry, 2021, 143, 1081-1095.	2.0	113
90	A numerical investigation on ethylene glycol-titanium dioxide nanofluid convective flow over a stretching sheet in presence of heat generation/absorption. Case Studies in Thermal Engineering, 2018, 12, 228-236.	2.8	112

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91	Second law analysis of magneto-natural convection in a nanofluid filled wavy-hexagonal porous enclosure. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2020, 30, 4811-4836.	1.6	112
92	Homotopy perturbation method for three-dimensional problem of condensation film on inclined rotating disk. <i>Scientia Iranica</i> , 2012, 19, 437-442.	0.3	111
93	The flow feature of transverse hydrogen jet in presence of micro air jets in supersonic flow. <i>Advances in Space Research</i> , 2017, 59, 1330-1340.	1.2	110
94	Boundary layer analysis of micropolar dusty fluid with TiO ₂ nanoparticles in a porous medium under the effect of magnetic field and thermal radiation over a stretching sheet. <i>Journal of Molecular Liquids</i> , 2017, 244, 374-389.	2.3	110
95	Entropy generation analysis of (CH ₂ OH) ₂ containing CNTs nanofluid flow under effect of MHD and thermal radiation. <i>Case Studies in Thermal Engineering</i> , 2019, 14, 100482.	2.8	110
96	Optimization of finned-tube heat exchangers for diesel exhaust waste heat recovery using CFD and CCD techniques. <i>International Communications in Heat and Mass Transfer</i> , 2014, 57, 254-263.	2.9	109
97	Investigation of MHD nanofluid flow and heat transfer in a stretching/shrinking convergent/divergent channel considering thermal radiation. <i>Journal of Molecular Liquids</i> , 2016, 220, 592-603.	2.3	109
98	Flow and heat transfer of MHD nanofluid between parallel plates in the presence of thermal radiation. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2016, 310, 58-76.	3.4	109
99	Solution of the boundary layer flow of an Eyring-Powell non-Newtonian fluid over a linear stretching sheet by collocation method. <i>AJ - Alexandria Engineering Journal</i> , 2017, 56, 621-627.	3.4	108
100	Forced convection analysis for MHD Al ₂ O ₃ -water nanofluid flow over a horizontal plate. <i>Journal of Molecular Liquids</i> , 2013, 187, 294-301.	2.3	107
101	A comprehensive analysis of the flow and heat transfer for a nanofluid over an unsteady stretching flat plate. <i>Powder Technology</i> , 2014, 258, 125-133.	2.1	107
102	Thermal behavior of longitudinal convective-radiative porous fins with different section shapes and ceramic materials (SiC and Si ₃ N ₄). <i>Ceramics International</i> , 2014, 40, 6765-6775.	2.3	107
103	Analysis of unsteady MHD Eyring-Powell squeezing flow in stretching channel with considering thermal radiation and Joule heating effect using AGM. <i>Case Studies in Thermal Engineering</i> , 2017, 10, 579-594.	2.8	106
104	Investigation for squeezing flow of ethylene glycol (C ₂ H ₆ O ₂) carbon nanotubes (CNTs) in rotating stretching channel with nonlinear thermal radiation. <i>Journal of Molecular Liquids</i> , 2018, 263, 10-21.	2.3	106
105	Numerical approach for magnetic nanofluid flow in a porous cavity using CuO nanoparticles. <i>Materials and Design</i> , 2017, 120, 382-393.	3.3	105
106	Investigation on ethylene glycol-water mixture fluid suspend by hybrid nanoparticles (TiO ₂ -CuO) over rotating cone with considering nanoparticles shape factor. <i>Journal of Molecular Liquids</i> , 2018, 272, 226-236.	2.3	105
107	Investigation of natural convection of magnetic nanofluid in an enclosure with a porous medium considering Brownian motion. <i>Case Studies in Thermal Engineering</i> , 2019, 14, 100502.	2.8	105
108	CVFEM analysis for Fe ₃ O ₄ -H ₂ O nanofluid in an annulus subject to thermal radiation. <i>International Journal of Heat and Mass Transfer</i> , 2019, 132, 473-483.	2.5	105

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109	Investigation of film cooling on nose cone by a forward facing array of micro-jets in Hypersonic flow. <i>International Communications in Heat and Mass Transfer</i> , 2015, 64, 42-49.	2.9	104
110	Investigation of MHD Go-water nanofluid flow and heat transfer in a porous channel in the presence of thermal radiation effect. <i>Advanced Powder Technology</i> , 2017, 28, 1815-1825.	2.0	104
111	Investigation of magneto-hydrodynamic fluid squeezed between two parallel disks by considering Joule heating, thermal radiation, and adding different nanoparticles. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2020, 30, 659-680.	1.6	104
112	Analytical investigation on acceleration motion of a vertically falling spherical particle in incompressible Newtonian media. <i>Advanced Powder Technology</i> , 2010, 21, 298-304.	2.0	103
113	Hydrothermal analysis of MHD squeezing mixture fluid suspended by hybrid nanoparticles between two parallel plates. <i>Case Studies in Thermal Engineering</i> , 2020, 21, 100650.	2.8	103
114	Refrigeration efficiency analysis for fully wet semi-spherical porous fins. <i>Energy Conversion and Management</i> , 2014, 84, 533-540.	4.4	102
115	Heat reduction using conterflowing jet for a nose cone with aerodisk in hypersonic flow. <i>Aerospace Science and Technology</i> , 2014, 39, 652-665.	2.5	102
116	Application of Heâ€™s variational iteration method and Adomianâ€™s decomposition method to the fractional KdVâ€™Burgersâ€™Kuramoto equation. <i>Computers and Mathematics With Applications</i> , 2009, 58, 2091-2097.	1.4	101
117	Effects of nanoparticle migration on force convection of alumina/water nanofluid in a cooled parallel-plate channel. <i>Advanced Powder Technology</i> , 2014, 25, 1369-1375.	2.0	101
118	Numerical study on magnetohydrodynamic CNTs-water nanofluids as a micropolar dusty fluid influenced by non-linear thermal radiation and joule heating effect. <i>Powder Technology</i> , 2018, 340, 389-399.	2.1	101
119	Application of the energy balance method to nonlinear vibrating equations. <i>Current Applied Physics</i> , 2010, 10, 104-112.	1.1	100
120	Analysis of geometrical and operational parameters of PCM in a fin and tube heat exchanger. <i>International Communications in Heat and Mass Transfer</i> , 2014, 53, 109-115.	2.9	100
121	Comparison of the single/multi transverse jets under the influence of shock wave in supersonic crossflow. <i>Acta Astronautica</i> , 2016, 123, 283-291.	1.7	99
122	Mixed convective heat transfer of water/alumina nanofluid inside a vertical microchannel. <i>Powder Technology</i> , 2014, 263, 37-44.	2.1	98
123	Lattice Boltzmann simulation of natural convection around a horizontal elliptic cylinder inside a square enclosure. <i>International Communications in Heat and Mass Transfer</i> , 2011, 38, 1436-1442.	2.9	97
124	Investigation on three dimensional squeezing flow of mixture base fluid (ethylene glycol-water) suspended by hybrid nanoparticle (Fe ₃ O ₄ -Ag) dependent on shape factor. <i>Journal of Molecular Liquids</i> , 2018, 262, 376-388.	2.3	96
125	Unsteady squeezing nanofluid simulation and investigation of its effect on important heat transfer parameters in presence of magnetic field. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 67, 467-475.	2.7	95
126	Lattice Boltzmann simulation of MHD mixed convection in a lid-driven square cavity with linearly heated wall. <i>Scientia Iranica</i> , 2012, 19, 1053-1065.	0.3	94

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127	Heat transfer study on convective–radiative semi-spherical fins with temperature-dependent properties and heat generation using efficient computational methods. <i>Applied Thermal Engineering</i> , 2015, 89, 299-305.	3.0	94
128	Convection–radiation heat transfer in solar heat exchangers filled with a porous medium: Homotopy perturbation method versus numerical analysis. <i>Renewable Energy</i> , 2015, 74, 448-455.	4.3	94
129	Investigation of different base fluids suspend by CNTs hybrid nanoparticle over a vertical circular cylinder with sinusoidal radius. <i>Case Studies in Thermal Engineering</i> , 2020, 21, 100666.	2.8	94
130	Electrohydrodynamic flow analysis in a circular cylindrical conduit using Least Square Method. <i>Journal of Electrostatics</i> , 2014, 72, 47-52.	1.0	93
131	Free convection of copper–water nanofluid in a porous gap between hot rectangular cylinder and cold circular cylinder under the effect of inclined magnetic field. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 1171-1184.	2.0	93
132	Solidification acceleration in a triplex-tube latent heat thermal energy storage system using V-shaped fin and nano-enhanced phase change material. <i>Applied Thermal Engineering</i> , 2019, 163, 114436.	3.0	93
133	MHD natural convection in a nanofluid filled inclined enclosure with sinusoidal wall using CVFEM. <i>Neural Computing and Applications</i> , 2014, 24, 873-882.	3.2	91
134	Effect of variable lorentz forces on nanofluid flow in movable parallel plates utilizing analytical method. <i>Case Studies in Thermal Engineering</i> , 2017, 10, 595-610.	2.8	91
135	Solidification process of hybrid nano-enhanced phase change material in a LHTESS with tree-like branching fin in the presence of thermal radiation. <i>Journal of Molecular Liquids</i> , 2019, 275, 909-925.	2.3	91
136	Analysis of utilizing Graphene nanoplatelets to enhance thermal performance of flat plate solar collectors. <i>Energy Conversion and Management</i> , 2016, 126, 1-11.	4.4	90
137	Modeling of the air conditions effects on the power and fuel consumption of the SI engine using neural networks and regression. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2017, 39, 375-384.	0.8	90
138	Analytical and numerical solution of non-Newtonian second-grade fluid flow on a stretching sheet. <i>Thermal Science and Engineering Progress</i> , 2018, 5, 309-316.	1.3	90
139	Convection–radiation heat transfer study of moving fin with temperature-dependent thermal conductivity, heat transfer coefficient and heat generation. <i>Applied Thermal Engineering</i> , 2016, 103, 705-712.	3.0	89
140	Nonlinear thermal radiation and chemical reaction effects on Maxwell fluid flow with convectively heated plate in a porous medium. <i>Heat Transfer - Asian Research</i> , 2019, 48, 744-759.	2.8	89
141	Shape effects of Copper-Oxide (CuO) nanoparticles to determine the heat transfer filled in a partially heated rhombus enclosure: CVFEM approach. <i>International Communications in Heat and Mass Transfer</i> , 2019, 107, 14-23.	2.9	88
142	Effect of fin and hybrid nano-particles on solid process in hexagonal triplex Latent Heat Thermal Energy Storage System. <i>Journal of Molecular Liquids</i> , 2020, 300, 112347.	2.3	88
143	Investigation of Hydrothermal Behavior of Fe ₃ O ₄ -H ₂ O Nanofluid Natural Convection in a Novel Shape of Porous Cavity Subjected to Magnetic Field Dependent (MFD) Viscosity. <i>Journal of Energy Storage</i> , 2020, 30, 101395.	3.9	88
144	An analytical study on motion of a sphere rolling down an inclined plane submerged in a Newtonian fluid. <i>Powder Technology</i> , 2010, 198, 82-92.	2.1	86

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145	Effect of discontinuous helical turbulators on heat transfer characteristics of double pipe water to air heat exchanger. <i>Energy Conversion and Management</i> , 2016, 118, 75-87.	4.4	86
146	Heat transfer and nanofluid flow in suction and blowing process between parallel disks in presence of variable magnetic field. <i>Journal of Molecular Liquids</i> , 2014, 190, 159-168.	2.3	85
147	Thermophoresis and Brownian motion effects on heat transfer enhancement at film boiling of nanofluids over a vertical cylinder. <i>Journal of Molecular Liquids</i> , 2016, 216, 503-509.	2.3	85
148	Transport of Magnetohydrodynamic nanofluid in a porous media. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 520, 201-212.	2.3	85
149	Thermal radiation effect on the Nano-fluid buoyancy flow and heat transfer over a stretching sheet considering Brownian motion. <i>Journal of Molecular Liquids</i> , 2016, 223, 521-527.	2.3	84
150	Characteristics of ferrofluid flow over a stretching sheet with suction and injection. <i>Case Studies in Thermal Engineering</i> , 2019, 14, 100470.	2.8	84
151	Experimental and numerical analysis of the optimized finned-tube heat exchanger for OM314 diesel exhaust exergy recovery. <i>Energy Conversion and Management</i> , 2015, 97, 26-41.	4.4	83
152	A modified Fourier approach for analysis of nanofluid heat generation within a semi-circular enclosure subjected to MFD viscosity. <i>International Communications in Heat and Mass Transfer</i> , 2020, 111, 104430.	2.9	83
153	Analytical and numerical investigation of nanoparticle effect on peristaltic fluid flow in drug delivery systems. <i>Journal of Molecular Liquids</i> , 2016, 215, 88-97.	2.3	82
154	Influence of electric field on Fe ₃ O ₄ - water nanofluid radiative and convective heat transfer in a permeable enclosure. <i>Journal of Molecular Liquids</i> , 2018, 250, 404-412.	2.3	82
155	Magnetohydrodynamic natural convection and entropy generation analyses inside a nanofluid-filled incinerator-shaped porous cavity with wavy heater block. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 141, 2033-2045.	2.0	82
156	Solution of the Jeffery-Hamel flow problem by optimal homotopy asymptotic method. <i>Computers and Mathematics With Applications</i> , 2010, 59, 3405-3411.	1.4	80
157	Heat transfer and flow analysis of nanofluid flow induced by a stretching sheet in the presence of an external magnetic field. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 65, 162-171.	2.7	80
158	Effect of Lorentz forces on forced-convection nanofluid flow over a stretched surface. <i>Particuology</i> , 2016, 26, 108-113.	2.0	80
159	Transportation of MHD nanofluid free convection in a porous semi annulus using numerical approach. <i>Chemical Physics Letters</i> , 2017, 669, 202-210.	1.2	80
160	Heat transfer study on solid and porous convective fins with temperature-dependent heat generation using efficient analytical method. <i>Journal of Central South University</i> , 2014, 21, 4592-4598.	1.2	79
161	Influence of magnetic field on CuO-H ₂ O nanofluid flow considering Marangoni boundary layer. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 2748-2755.	3.8	79
162	Micropolar nanofluid flow and heat transfer between penetrable walls in the presence of thermal radiation and magnetic field. <i>Case Studies in Thermal Engineering</i> , 2018, 12, 319-332.	2.8	78

#	ARTICLE	IF	CITATIONS
163	Entropy generation and economic analyses in a nanofluid filled L-shaped enclosure subjected to an oriented magnetic field. <i>Applied Thermal Engineering</i> , 2020, 168, 114789.	3.0	78
164	Free convection of Fe ₃ O ₄ -water nanofluid under the influence of an external magnetic source. <i>Journal of Molecular Liquids</i> , 2017, 229, 530-540.	2.3	77
165	Hydrothermal analysis of Non-Newtonian second grade fluid flow on radiative stretching cylinder with Soret and Dufour effects. <i>Case Studies in Thermal Engineering</i> , 2019, 13, 100384.	2.8	76
166	Numerical analysis of nanofluid transportation in porous media under the influence of external magnetic source. <i>Journal of Molecular Liquids</i> , 2017, 233, 499-507.	2.3	74
167	Magneto-hydrodynamic natural convection of CuO-water nanofluid in complex shaped enclosure considering various nanoparticle shapes. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019, 29, 1663-1679.	1.6	74
168	Experimental study on turbulent flow and heat transfer in an air to water heat exchanger using perforated circular-ring. <i>Experimental Thermal and Fluid Science</i> , 2016, 70, 185-195.	1.5	73
169	Numerical thermal study on CNTs/ C ₂ H ₆ O ₂ H ₂ O hybrid base nanofluid upon a porous stretching cylinder under impact of magnetic source. <i>Case Studies in Thermal Engineering</i> , 2019, 14, 100490.	2.8	72
170	Numerical analysis of mixed convection heat transfer of Al ₂ O ₃ -water nanofluid in a ventilated cavity considering different positions of the outlet port. <i>Powder Technology</i> , 2014, 262, 71-81.	2.1	71
171	Unsteady nanofluid flow and heat transfer in presence of magnetic field considering thermal radiation. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2015, 37, 895-902.	0.8	71
172	Investigation of micropolar hybrid ferrofluid flow over a vertical plate by considering various base fluid and nanoparticle shape factor. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2021, 31, 402-417.	1.6	71
173	An analytical study on entropy generation of nanofluids over a flat plate. <i>AEJ - Alexandria Engineering Journal</i> , 2013, 52, 595-604.	3.4	70
174	Performance enhancement of finned heat pipe assisted latent heat thermal energy storage system in the presence of nano-enhanced H ₂ O as phase change material. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 6526-6546.	3.8	70
175	Investigation of phase change material solidification process in a LHTESS in the presence of fins with variable thickness and hybrid nanoparticles. <i>Applied Thermal Engineering</i> , 2019, 152, 706-717.	3.0	70
176	Hydrothermal analysis of ethylene glycol nanofluid in a porous enclosure with complex snowflake shaped inner wall. <i>Waves in Random and Complex Media</i> , 2022, 32, 1-18.	1.6	70
177	Effect of magnetic and boundary parameters on flow characteristics analysis of micropolar ferrofluid through the shrinking sheet with effective thermal conductivity. <i>Chinese Journal of Physics</i> , 2021, 71, 136-150.	2.0	70
178	Application of Homotopy Perturbation Method and Variational Iteration Method to Nonlinear Oscillator Differential Equations. <i>Acta Applicandae Mathematicae</i> , 2008, 104, 161-171.	0.5	69
179	Motion of a spherical particle in a fluid forced vortex by DQM and DTM. <i>Particuology</i> , 2014, 16, 206-212.	2.0	69
180	Discharging process expedition of NEPCM in fin-assisted Latent Heat Thermal Energy Storage System. <i>Journal of Molecular Liquids</i> , 2016, 221, 833-841.	2.3	69

#	ARTICLE	IF	CITATIONS
181	Investigation of entropy generation in a square inclined cavity using control volume finite element method with aided quadratic Lagrange interpolation functions. <i>International Communications in Heat and Mass Transfer</i> , 2020, 110, 104398.	2.9	69
182	Lattice Boltzmann Simulation of Turbulent Natural Convection in Tall Enclosures Using Cu/Water Nanofluid. <i>Numerical Heat Transfer; Part A: Applications</i> , 2012, 62, 512-530.	1.2	68
183	Impact of electric field on nanofluid forced convection heat transfer with considering variable properties. <i>Journal of Molecular Liquids</i> , 2017, 229, 566-573.	2.3	68
184	Motion of a spherical particle on a rotating parabola using Lagrangian and high accuracy Multi-step Differential Transformation Method. <i>Powder Technology</i> , 2014, 258, 94-98.	2.1	67
185	Numerical investigation of nanofluid transportation in a curved cavity in existence of magnetic source. <i>Chemical Physics Letters</i> , 2017, 667, 307-316.	1.2	67
186	The influence of different shapes of nanoparticle on H_{eff} of $\text{Cu}/\text{H}_2\text{O}$ nanofluids in a partially heated irregular wavy enclosure. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 540, 123034.	1.2	67
187	Analytical solution of time-fractional Navier-Stokes equation in polar coordinate by homotopy perturbation method. <i>Numerical Methods for Partial Differential Equations</i> , 2010, 26, 117-124.	2.0	66
188	Investigation of Rotating MHD Viscous Flow and Heat Transfer between Stretching and Porous Surfaces Using Analytical Method. <i>Mathematical Problems in Engineering</i> , 2011, 2011, 1-17.	0.6	66
189	A computational framework for natural convective hydromagnetic flow via inclined cavity: An analysis subjected to entropy generation. <i>Journal of Molecular Liquids</i> , 2019, 287, 110863.	2.3	66
190	Nanoparticles migration effects on magnetohydrodynamic (MHD) laminar mixed convection of alumina/water nanofluid inside microchannels. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 52, 40-56.	2.7	65
191	Thermal penetration depth enhancement in latent heat thermal energy storage system in the presence of heat pipe based on both charging and discharging processes. <i>Energy Conversion and Management</i> , 2017, 148, 646-667.	4.4	65
192	Heat transfer of Fe_3O_4 -water nanofluid in a permeable medium with thermal radiation in existence of constant heat flux. <i>Chemical Engineering Science</i> , 2017, 174, 326-336.	1.9	65
193	Hydrothermal analysis of magneto hydrodynamic nanofluid flow between two parallel by AGM. <i>Case Studies in Thermal Engineering</i> , 2019, 14, 100439.	2.8	65
194	Numerical study of finned type heat exchangers for ICEs exhaust waste heat recovery. <i>Case Studies in Thermal Engineering</i> , 2014, 4, 53-64.	2.8	64
195	Effects of nanoparticle migration and asymmetric heating on magnetohydrodynamic forced convection of alumina/water nanofluid in microchannels. <i>European Journal of Mechanics, B/Fluids</i> , 2015, 52, 169-184.	1.2	64
196	Heat transfer enhancement of ferrofluid inside an 90° elbow channel by non-uniform magnetic field. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 460, 302-311.	1.0	64
197	Explicit analytical solutions of the generalized Burger and Burger-Fisher equations by homotopy perturbation method. <i>Numerical Methods for Partial Differential Equations</i> , 2009, 25, 409-417.	2.0	63
198	Approximate general and explicit solutions of nonlinear BBMB equations by Exp-Function method. <i>Applied Mathematical Modelling</i> , 2009, 33, 1836-1841.	2.2	63

#	ARTICLE	IF	CITATIONS
199	On unsteady rolling motion of spheres in inclined tubes filled with incompressible Newtonian fluids. <i>Advanced Powder Technology</i> , 2011, 22, 58-67.	2.0	63
200	Analytical solution and heat transfer of two-phase nanofluid flow between non-parallel walls considering Joule heating effect. <i>Powder Technology</i> , 2017, 318, 390-400.	2.1	63
201	Entropy generation analysis of mixture nanofluid ($H_{2}O/C_{6}H_{6}O_{2}$)- $Fe_{3}O_{4}$ flow between two stretching rotating disks under the effect of MHD and nonlinear thermal radiation. <i>International Journal of Ambient Energy</i> , 2022, 43, 1045-1057.	1.4	63
202	Experimental validation of dynamic simulation of the flat plate collector in a closed thermosyphon solar water heater. <i>Energy Conversion and Management</i> , 2011, 52, 301-307.	4.4	62
203	Magnetohydrodynamic mixed convective flow of $Al_{2}O_{3}$ -water nanofluid inside a vertical microtube. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 369, 132-141.	1.0	62
204	Rheological behaviour of various metal-based nano-fluids between rotating discs: a new insight. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 88, 37-48.	2.7	62
205	Application of energy balance method and variational iteration method to an oscillation of a mass attached to a stretched elastic wire. <i>Current Applied Physics</i> , 2010, 10, 484-486.	1.1	61
206	Effect of magnetic fields on heat convection inside a concentric annulus filled with $Al_{2}O_{3}$ -water nanofluid. <i>Advanced Powder Technology</i> , 2014, 25, 1817-1824.	2.0	61
207	Entropy generation in a nanofluid-filled semi-annulus cavity by considering the shape of nanoparticles. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 1607-1621.	2.0	60
208	Exergy recovery from the exhaust cooling in a DI diesel engine for BSFC reduction purposes. <i>Energy</i> , 2014, 65, 44-51.	4.5	59
209	Solving nonlinear differential equations of Vanderpol, Rayleigh and Duffing by AGM. <i>Frontiers of Mechanical Engineering</i> , 2014, 9, 177-190.	2.5	59
210	Fully developed forced convection of alumina/water nanofluid inside microchannels with asymmetric heating. <i>Powder Technology</i> , 2015, 269, 520-531.	2.1	59
211	Experimental and thermodynamical analyses of the diesel exhaust vortex generator heat exchanger for optimizing its operating condition. <i>Applied Thermal Engineering</i> , 2015, 75, 580-591.	3.0	58
212	Study of nanofluid flow and heat transfer between non-parallel stretching walls considering Brownian motion. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 69, 1-13.	2.7	58
213	Effect of Cattaneo-Christov heat flux on buoyancy MHD nanofluid flow and heat transfer over a stretching sheet in the presence of Joule heating and thermal radiation impacts. <i>Indian Journal of Physics</i> , 2018, 92, 757-766.	0.9	58
214	Natural convection of nanofluids inside a vertical enclosure in the presence of a uniform magnetic field. <i>Powder Technology</i> , 2014, 263, 50-57.	2.1	57
215	Entropy generation of three-dimensional BÃ¶rdewadt flow of water and hexanol base fluid suspended by $Fe_{3}O_{4}$ and MoS_{2} hybrid nanoparticles. <i>Pramana - Journal of Physics</i> , 2021, 95, 1.	0.9	57
216	An analytical investigation on unsteady motion of vertically falling spherical particles in non-Newtonian fluid by Collocation Method. <i>Ain Shams Engineering Journal</i> , 2015, 6, 531-540.	3.5	56

#	ARTICLE	IF	CITATIONS
217	Radiative nanofluid flow and heat transfer between parallel disks with penetrable and stretchable walls considering Cattaneo–Christov heat flux model. <i>Heat Transfer - Asian Research</i> , 2018, 47, 735-753.	2.8	56
218	Thermal analysis of a moving fin using the radial basis function approximation. <i>Heat Transfer</i> , 2021, 50, 7553-7567.	1.7	56
219	Natural Convection in a Nanofluids-Filled Portioned Cavity: The Lattice-Boltzmann Method. <i>Numerical Heat Transfer; Part A: Applications</i> , 2011, 59, 487-502.	1.2	55
220	Transient thermal analysis of longitudinal fins with internal heat generation considering temperature-dependent properties and different fin profiles. <i>Energy Conversion and Management</i> , 2014, 86, 365-370.	4.4	55
221	Analysis of forced convective heat transfer of Fe ₃ O ₄ nanofluid in the presence of external magnetic source. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2017, 315, 113748.	3.4	55
222	Homotopy perturbation method for nonlinear MHD Jeffery–Hamel problem. <i>Computers and Mathematics With Applications</i> , 2011, 61, 2213-2216.	1.4	54
223	Investigation of Nanofluid Flow and Heat Transfer in Presence of Magnetic Field Using KKL Model. <i>Arabian Journal for Science and Engineering</i> , 2014, 39, 5007-5016.	1.1	54
224	Laminar filmwise condensation of nanofluids over a vertical plate considering nanoparticles migration. <i>Applied Thermal Engineering</i> , 2016, 100, 979-986.	3.0	54
225	Numerical modeling of magnetohydrodynamic Cu–Water transportation inside a porous cavity considering shape factor effect. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 529, 705-714.	2.3	54
226	Investigation on Magneto Eyring-Powell nanofluid flow over inclined stretching cylinder with nonlinear thermal radiation and Joule heating effect. <i>World Journal of Engineering</i> , 2019, 16, 51-63.	1.0	54
227	Effect of SiO ₂ super-hydrophobic coating and self-wetting fluid on two phase closed thermosyphon heat transfer characteristics: An experimental and numerical study. <i>Journal of Molecular Liquids</i> , 2020, 315, 113748.	2.3	54
228	Role of various configurations of a wavy circular heater on convective heat transfer within an enclosure filled with nanofluid. <i>International Communications in Heat and Mass Transfer</i> , 2020, 113, 104525.	2.9	54
229	A two-phase theoretical study of Al ₂ O ₃ –water nanofluid flow inside a concentric pipe with heat generation/absorption. <i>International Journal of Thermal Sciences</i> , 2014, 84, 347-357.	2.6	53
230	Thermal performance analysis of hydromagnetic Al ₂ O ₃ -water nanofluid flows inside a concentric microannulus considering nanoparticle migration and asymmetric heating. <i>International Journal of Thermal Sciences</i> , 2016, 109, 10-22.	2.6	53
231	Multi-objective RSM optimization of fin assisted latent heat thermal energy storage system based on solidification process of phase change Material in presence of copper nanoparticles. <i>Applied Thermal Engineering</i> , 2017, 118, 430-447.	3.0	53
232	Thermal-flow boundary layer analysis of nanofluid over a porous stretching cylinder under the magnetic field effect. <i>Powder Technology</i> , 2017, 317, 310-319.	2.1	53
233	Numerical analysis of entropy generation of a nanofluid in a semi-annulus porous enclosure with different nanoparticle shapes in the presence of a magnetic field. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	53
234	Investigation of LHTESS filled by Hybrid nano-enhanced PCM with Koch snowflake fractal cross section in the presence of thermal radiation. <i>Journal of Molecular Liquids</i> , 2019, 273, 414-424.	2.3	53

#	ARTICLE	IF	CITATIONS
235	Efficiency of differential transformation method for nonlinear oscillation: Comparison with HPM and VIM. <i>Current Applied Physics</i> , 2011, 11, 965-971.	1.1	52
236	Magnetic field and slip effects on free convection inside a vertical enclosure filled with alumina/water nanofluid. <i>Chemical Engineering Research and Design</i> , 2015, 94, 355-364.	2.7	51
237	Nanofluid heat transfer between two pipes considering Brownian motion using AGM. <i>AEJ - Alexandria Engineering Journal</i> , 2017, 56, 277-283.	3.4	51
238	Exp-Function Based Solution of Nonlinear Radhakrishnan, Kundu and Laskshmanan (RKL) Equation. <i>Acta Applicandae Mathematicae</i> , 2008, 104, 201-209.	0.5	50
239	Experimental investigation of performance improving and emissions reducing in a two stroke SI engine by using ethanol additives. <i>Propulsion and Power Research</i> , 2013, 2, 276-283.	2.0	50
240	Nanoparticles effects on MHD fluid flow over a stretching sheet with solar radiation: A numerical study. <i>Journal of Molecular Liquids</i> , 2016, 219, 890-896.	2.3	50
241	MHD natural convection of Cu/H ₂ O nanofluid in a horizontal semi-cylinder with a local triangular heater. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2018, 28, 2979-2996.	1.6	50
242	Heat transfer hybrid nanofluid (1-Butanol/MoS ₂ -Fe ₃ O ₄) through a wavy porous cavity and its optimization. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2021, 31, 1547-1567.	1.6	48
243	Approximate solution of the nonlinear heat transfer equation of a fin with the power-law temperature-dependent thermal conductivity and heat transfer coefficient. <i>Propulsion and Power Research</i> , 2014, 3, 41-47.	2.0	47
244	Investigation of thermal radiation on traditional Jeffery-Hamel flow to stretchable convergent/divergent channels. <i>Case Studies in Thermal Engineering</i> , 2015, 6, 28-39.	2.8	47
245	Analytical investigation of porous pin fins with variable section in fully-wet conditions. <i>Case Studies in Thermal Engineering</i> , 2015, 5, 1-12.	2.8	47
246	Exergy loss analysis for nanofluid forced convection heat transfer in a pipe with modified turbulators. <i>Journal of Molecular Liquids</i> , 2018, 262, 104-110.	2.3	47
247	Investigation of Prandtl number effect on natural convection MHD in an open cavity by lattice Boltzmann method. <i>Engineering Computations</i> , 2012, 30, 97-116.	0.7	46
248	Heat generation/absorption on MHD stagnation flow of nanofluid towards a porous stretching sheet with prescribed surface heat flux. <i>Journal of Molecular Liquids</i> , 2014, 195, 194-204.	2.3	46
249	Scrutiny of mixed convection flow of a nanofluid in a vertical channel. <i>Case Studies in Thermal Engineering</i> , 2014, 4, 15-23.	2.8	46
250	Effects of nanoparticle migration on hydromagnetic mixed convection of alumina/water nanofluid in vertical channels with asymmetric heating. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015, 66, 181-196.	1.3	46
251	Transient thermal behavior of radial fins of rectangular, triangular and hyperbolic profiles with temperature-dependent properties using DTM-FDM. <i>Journal of Central South University</i> , 2017, 24, 675-682.	1.2	45
252	Heat transfer enhancement of mixed convection in a square cavity with inlet and outlet ports due to oscillation of incoming flow. <i>International Communications in Heat and Mass Transfer</i> , 2011, 38, 806-814.	2.9	44

#	ARTICLE	IF	CITATIONS
253	Homotopy perturbation method for motion of a spherical solid particle in plane couette fluid flow. Computers and Mathematics With Applications, 2011, 61, 2267-2270.	1.4	44
254	Effects of homogeneous-heterogeneous reactions and thermal radiation on magneto-hydrodynamic Cu-water nanofluid flow over an expanding flat plate with non-uniform heat source. Journal of Central South University, 2019, 26, 1161-1171.	1.2	44
255	Investigating the effects of hybrid nanoparticles on solid-liquid phase change process in a Y-shaped fin-assisted LHTESS by means of FEM. Journal of Molecular Liquids, 2019, 287, 110931.	2.3	44
256	Analysis of turbulent MHD Couette nanofluid flow and heat transfer using hybrid DTM-FDM. Particuology, 2016, 26, 95-101.	2.0	43
257	Magnetic field effect on nanofluid flow between two circular cylinders using AGM. AEJ - Alexandria Engineering Journal, 2018, 57, 587-594.	3.4	43
258	Numerical simulation for thermal radiation and porous medium characteristics in flow of CuO-H ₂ O nanofluid. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	0.8	43
259	Analysis of a single-phase natural circulation loop with hybrid-nanofluid. International Communications in Heat and Mass Transfer, 2020, 112, 104498.	2.9	43
260	Investigation of heat transfer for cooling turbine disks with a non-Newtonian fluid flow using DRA. Case Studies in Thermal Engineering, 2015, 6, 40-51.	2.8	42
261	Experimental and numerical analysis for effects of using conical ring on turbulent flow and heat transfer in a double pipe air to water heat exchanger. Applied Thermal Engineering, 2016, 100, 805-819.	3.0	42
262	Heat transfer and fluid flow of blood with nanoparticles through porous vessels in a magnetic field: A quasi-one dimensional analytical approach. Mathematical Biosciences, 2017, 283, 38-47.	0.9	42
263	A theoretical nanofluid analysis exhibiting hydromagnetics characteristics employing CVFEM. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	0.8	42
264	Application of He's energy balance method to Duffing-harmonic oscillators. International Journal of Computer Mathematics, 2011, 88, 135-144.	1.0	41
265	Two-component heterogeneous mixed convection of alumina/water nanofluid in microchannels with heat source/sink. Advanced Powder Technology, 2016, 27, 245-254.	2.0	41
266	Kinematics of an offset 3-UPU translational parallel manipulator by the homotopy continuation method. Nonlinear Analysis: Real World Applications, 2009, 10, 1767-1774.	0.9	40
267	Solution of the Falkner-Skan wedge flow by HPM-Pade™ method. Advances in Engineering Software, 2012, 43, 44-52.	1.8	40
268	Thermodynamic optimization of fluid flow over an isothermal moving plate. AEJ - Alexandria Engineering Journal, 2013, 52, 277-283.	3.4	40
269	Approximate analysis of two-mass-spring systems and buckling of a column. Computers and Mathematics With Applications, 2011, 61, 1088-1095.	1.4	39
270	CuO H ₂ O nanofluid hydrothermal analysis in a complex shaped cavity. International Journal of Hydrogen Energy, 2016, 41, 17837-17845.	3.8	39

#	ARTICLE	IF	CITATIONS
271	Optical soliton solutions to the (2+1)-dimensional Kunduâ€“Mukherjeeâ€“Naskar equation. International Journal of Modern Physics B, 2020, 34, 2050102.	1.0	39
272	A semi-Analytical technique for non-linear settling particle equation of Motion. Journal of Hydro-Environment Research, 2012, 6, 323-327.	1.0	38
273	Optimization analysis of convectiveâ€“radiative longitudinal fins with temperature-dependent properties and different section shapes and materials. Energy Conversion and Management, 2015, 106, 1286-1294.	4.4	38
274	Application of Heâ€“TM's homotopy perturbation method to nonlinear shock damper dynamics. Archive of Applied Mechanics, 2010, 80, 641-649.	1.2	37
275	Analysis of modified Van der Polâ€“TM's oscillator using Heâ€“TM's parameter-expanding methods. Current Applied Physics, 2010, 10, 279-283.	1.1	37
276	Scrutiny of underdeveloped nanofluid MHD flow and heat conduction in a channel with porous walls. Case Studies in Thermal Engineering, 2014, 4, 202-214.	2.8	37
277	On the MHD squeeze flow between two parallel disks with suction or injection via HAM and HPM. Frontiers of Mechanical Engineering, 2014, 9, 270-280.	2.5	37
278	Heat transfer and flow analysis of nanofluid flow between parallel plates in presence of variable magnetic field using HPM. Journal of Magnetism and Magnetic Materials, 2015, 396, 275-282.	1.0	37
279	Nanofluid thin film flow and heat transfer over an unsteady stretching elastic sheet by LSM. Journal of Mechanical Science and Technology, 2018, 32, 177-183.	0.7	37
280	An optimization study of solidification procedure in a wavy- wall storage unit considering the impacts of NEPCM and curved fin. International Communications in Heat and Mass Transfer, 2021, 124, 105249.	2.9	37
281	Optimal location of a pair heat source-sink in an enclosed square cavity with natural convection through PSO algorithm. International Communications in Heat and Mass Transfer, 2011, 38, 652-658.	2.9	36
282	Analytical thermal analysis of air-heating solar collectors. Journal of Mechanical Science and Technology, 2013, 27, 3525-3530.	0.7	36
283	Thermal management of double-pipe air to water heat exchanger. Energy and Buildings, 2015, 88, 361-366.	3.1	36
284	Mass analysis of CH ₄ /SO ₂ gas mixture by low-pressure MEMS gas sensor. Journal of Natural Gas Science and Engineering, 2018, 53, 317-328.	2.1	36
285	Solidification expedition of Phase Change Material in a triplex-tube storage unit via novel fins and SWCNT nanoparticles. Journal of Energy Storage, 2020, 28, 101188.	3.9	36
286	Theoretical analysis on nonlinear vibration of fluid flow in single-walled carbon nanotube. Iranian Physical Journal, 2016, 10, 211-218.	1.2	35
287	Numerical optimization of the asymmetric blades mounted on a vertical axis cross-flow wind turbine. International Communications in Heat and Mass Transfer, 2016, 70, 93-104.	2.9	35
288	3D optimization of baffle arrangement in a multi-phase nanofluid natural convection based on numerical simulation. International Journal of Numerical Methods for Heat and Fluid Flow, 2020, 30, 2583-2605.	1.6	35

#	ARTICLE	IF	CITATIONS
289	Local RBF-DQ method for two-dimensional transient heat conduction problems. International Communications in Heat and Mass Transfer, 2010, 37, 1411-1418.	2.9	34
290	Application of differential transformation method in micropolar fluid flow and heat transfer through permeable walls. AEJ - Alexandria Engineering Journal, 2016, 55, 2183-2191.	3.4	34
291	Numerical investigation on convective heat transfer over two heated wall-mounted cubes in tandem and staggered arrangement. Theoretical and Applied Mechanics Letters, 2018, 8, 171-183.	1.3	34
292	Hydrothermal analysis on non-Newtonian nanofluid flow of blood through porous vessels. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2022, 236, 1604-1615.	1.4	34
293	Analytical solution to nonlinear oscillation system of the motion of a rigid rod rocking back using max-min approach. Applied Mathematical Modelling, 2010, 34, 2676-2684.	2.2	33
294	Experimental investigation of a passive direct methanol fuel cell with 100cm ² active areas. Electrochimica Acta, 2012, 85, 693-699.	2.6	33
295	Comparative study of different exhaust heat exchangers effect on the performance and exergy analysis of a diesel engine. Applied Thermal Engineering, 2015, 90, 23-37.	3.0	33
296	Simulation of Fe ₃ O ₄ -H ₂ O nanofluid in a triangular enclosure subjected to Cattaneo-Christov theory of heat conduction. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 4430-4444.	1.6	33
297	Approximate traveling wave solutions for coupled Whitham-Broer-Kaup shallow water. Advances in Engineering Software, 2010, 41, 956-961.	1.8	32
298	Application of AFF and HPM to the systems of strongly nonlinear oscillation. Current Applied Physics, 2010, 10, 1317-1325.	1.1	32
299	New class of solutions for water infiltration problems in unsaturated soils. Geomechanics and Geoengineering, 2010, 5, 127-135.	0.9	32
300	Experimental investigations of diesel exhaust exergy recovery using delta winglet vortex generator heat exchanger. International Journal of Thermal Sciences, 2015, 93, 52-63.	2.6	32
301	Response surface method optimization of V-shaped fin assisted latent heat thermal energy storage system during discharging process. AEJ - Alexandria Engineering Journal, 2016, 55, 2065-2076.	3.4	32
302	Effects of magnetic field strength and direction on anisotropic thermal conductivity of ferrofluids (magnetic nanofluids) at filmwise condensation over a vertical cylinder. Advanced Powder Technology, 2016, 27, 1539-1546.	2.0	32
303	Analysis of nano-bioconvection flow containing both nanoparticles and gyrotactic microorganisms in a horizontal channel using modified least square method (MLSM). Journal of Molecular Liquids, 2017, 227, 356-365.	2.3	32
304	A numerical treatment of the TiO ₂ /C ₂ H ₆ O ₂ -H ₂ O hybrid base nanofluid inside a porous cavity under the impact of shape factor in MHD flow. International Journal of Ambient Energy, 2021, 42, 1815-1822.	1.4	32
305	Effect of water-based Al ₂ O ₃ nanofluids on heat transfer and pressure drop in periodic mixed convection inside a square ventilated cavity. International Communications in Heat and Mass Transfer, 2011, 38, 1125-1134.	2.9	31
306	Application of Differential Transformation Method for Nanofluid Flow in a Semi-Permeable Channel Considering Magnetic Field Effect. International Journal for Computational Methods in Engineering Science and Mechanics, 2015, 16, 246-255.	1.4	31

#	ARTICLE	IF	CITATIONS
307	Numerical simulation of heat sink cooling in the mainboard chip of a computer with temperature dependent thermal conductivity. <i>Applied Thermal Engineering</i> , 2018, 130, 1450-1459.	3.0	31
308	Two phase modeling of nanofluid flow in existence of melting heat transfer by means of HAM. <i>Indian Journal of Physics</i> , 2018, 92, 205-214.	0.9	31
309	Heat transfer and MHD flow of non-newtonian Maxwell fluid through a parallel plate channel: analytical and numerical solution. <i>Mechanical Sciences</i> , 2018, 9, 61-70.	0.5	31
310	Investigation of nanofluid flow in a vertical channel considering polynomial boundary conditions by Akbari-Ganji's method. <i>Theoretical and Applied Mechanics Letters</i> , 2022, 12, 100356.	1.3	31
311	Exact traveling solutions of some nonlinear evolution equation by $(G\hat{e}^2/G)$ -expansion method. <i>Journal of Mathematical Physics</i> , 2009, 50, 013519.	0.5	30
312	Study on motion of rigid rod on a circular surface using MHPM. <i>Propulsion and Power Research</i> , 2014, 3, 159-164.	2.0	30
313	An efficient approach to study the pulsatile blood flow in femoral and coronary arteries by Differential Quadrature Method. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2016, 443, 406-414.	1.2	30
314	Mixed convection of alumina-water nanofluid inside a concentric annulus considering nanoparticle migration. <i>Particuology</i> , 2016, 24, 113-122.	2.0	30
315	Investigation of Micropolar Hybrid Nanofluid (Iron Oxide-Molybdenum Disulfide) Flow Across a Sinusoidal Cylinder in Presence of Magnetic Field. <i>International Journal of Applied and Computational Mathematics</i> , 2021, 7, 1.	0.9	30
316	The influence of a magnetic field on the heat transfer of a magnetic nanofluid in a sinusoidal channel. <i>European Physical Journal Plus</i> , 2016, 131, 1.	1.2	29
317	Ferrofluid convective heat transfer under the influence of external magnetic source. <i>AEJ - Alexandria Engineering Journal</i> , 2018, 57, 49-60.	3.4	29
318	Effect of nanoparticle shape factor and snowflake crystal structure on discharging acceleration LHTESS containing $(Al_2O_3\hat{e}\hat{e}\hat{e}GO)$ HNEPCM. <i>Journal of Molecular Liquids</i> , 2019, 289, 111140.	2.3	29
319	Analytical solution of nonlinear differential equations two oscillators mechanism using Akbari-Ganji method. <i>Modern Physics Letters B</i> , 2021, 35, .	1.0	29
320	An analytical study on settling of non-spherical particles. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2012, 7, 63-72.	0.8	28
321	Experimental Investigation of Phase Change inside a Finned-Tube Heat Exchanger. <i>Journal of Engineering (United States)</i> , 2014, 2014, 1-11.	0.5	28
322	Significant progress in solution of nonlinear equations at displacement of structure and heat transfer extended surface by new AGM approach. <i>Frontiers of Mechanical Engineering</i> , 2014, 9, 390-401.	2.5	28
323	Three-dimensional numerical simulation of rising bubbles in the presence of cylindrical obstacles, using lattice Boltzmann method. <i>Journal of Molecular Liquids</i> , 2017, 236, 151-161.	2.3	28
324	Analysis of unsteady heat transfer of specific longitudinal fins with Temperature-dependent thermal coefficients by DTM. <i>AEJ - Alexandria Engineering Journal</i> , 2018, 57, 3509-3521.	3.4	28

#	ARTICLE	IF	CITATIONS
325	Simulation of solidification process of phase change materials in a heat exchanger using branch-shaped fins. <i>Case Studies in Thermal Engineering</i> , 2021, 25, 100835.	2.8	28
326	Thermal performance of porous fins with temperature-dependent heat generation via the homotopy perturbation method and collocation method. <i>Journal of Applied Mathematics and Computational Mechanics</i> , 2015, 14, 53-65.	0.3	28
327	A new modification of Heâ€™s homotopy perturbation method for rapid convergence of nonlinear undamped oscillators. <i>Journal of Applied Mathematics and Computing</i> , 2009, 30, 181-192.	1.2	27
328	Anisotropic behavior of magnetic nanofluids (MNFs) at filmwise condensation over a vertical plate in presence of a uniform variable-directional magnetic field. <i>Journal of Molecular Liquids</i> , 2016, 219, 875-882.	2.3	27
329	Effect of Knudsen thermal force on the performance of low-pressure micro gas sensor. <i>European Physical Journal Plus</i> , 2017, 132, 1.	1.2	27
330	On the solution of timeâ€™fractional dynamical model of Brusselator reactionâ€™diffusion system arising in chemical reactions. <i>Mathematical Methods in the Applied Sciences</i> , 2020, 43, 3903.	1.2	27
331	CFD simulation and optimization of ICEs exhaust heat recovery using different coolants and fin dimensions in heat exchanger. <i>Neural Computing and Applications</i> , 2014, 25, 2079-2090.	3.2	26
332	Numerical analysis of natural convection for non-Newtonian fluid conveying nanoparticles between two vertical parallel plates. <i>European Physical Journal Plus</i> , 2015, 130, 1.	1.2	26
333	Least Square Method for Porous Fin in the Presence of Uniform Magnetic Field. <i>Journal of Applied Fluid Mechanics</i> , 2016, 9, 661-668.	0.4	26
334	Numerical investigation of the effect of a splitter plate on forced convection in a two dimensional channel with an inclined square cylinder. <i>International Journal of Thermal Sciences</i> , 2012, 61, 1-14.	2.6	25
335	Unsteady sedimentation analysis of spherical particles in Newtonian fluid media using analytical methods. <i>Propulsion and Power Research</i> , 2014, 3, 96-105.	2.0	25
336	Numerical study of periodic natural convection in a nanofluid-filled enclosure due to transitional temperature of heat source. <i>Powder Technology</i> , 2014, 259, 65-73.	2.1	25
337	Second-law analysis of fluid flow over an isothermal moving wedge. <i>AEJ - Alexandria Engineering Journal</i> , 2014, 53, 1-9.	3.4	25
338	Study of heat transfer and flow of nanofluid in permeable channel in the presence of magnetic field. <i>Propulsion and Power Research</i> , 2015, 4, 50-62.	2.0	25
339	Effects of temperature-dependent thermophysical properties on nanoparticle migration at mixed convection of nanofluids in vertical microchannels. <i>Powder Technology</i> , 2016, 303, 7-19.	2.1	25
340	Analytical thermal study on nonlinear fundamental heat transfer cases using a novel computational technique. <i>Applied Thermal Engineering</i> , 2016, 98, 88-97.	3.0	25
341	DTM-FDM hybrid approach to unsteady MHD Couette flow and heat transfer of dusty fluid with variable properties. <i>Thermal Science and Engineering Progress</i> , 2017, 2, 57-63.	1.3	25
342	CVFEM for free convective heat transfer of CuO-water nanofluid in a tilted semi annulus. <i>AEJ - Alexandria Engineering Journal</i> , 2017, 56, 635-645.	3.4	25

#	ARTICLE	IF	CITATIONS
343	Determining the fin efficiency of convective straight fins with temperature dependent thermal conductivity by using Homotopy Perturbation Method. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2012, 22, 263-272.	1.6	24
344	Investigation of the heat transfer of a non-Newtonian fluid flow in an axisymmetric channel with porous wall using Parameterized Perturbation Method (PPM). <i>Journal of the Franklin Institute</i> , 2014, 351, 701-712.	1.9	24
345	Unsteady boundary layer flow of nanofluid past a permeable stretching/shrinking sheet with convective heat transfer. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2014, 228, 1175-1184.	1.1	24
346	MHD nanofluid flow analysis in divergent and convergent channels using WRMs and numerical method. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2014, 24, 1191-1203.	1.6	24
347	Experimental study of the influence of perforated circular-ring on pressure loss and heat transfer enhancement using sensitivity analysis. <i>Applied Thermal Engineering</i> , 2015, 91, 739-748.	3.0	24
348	Numerical investigation of nanofluid melting heat transfer between two pipes. <i>AEJ - Alexandria Engineering Journal</i> , 2018, 57, 1261-1269.	3.4	24
349	Nanofluid flow on the stagnation point of a permeable non-linearly stretching/shrinking sheet. <i>AEJ - Alexandria Engineering Journal</i> , 2018, 57, 2199-2208.	3.4	24
350	Efficient Analytical Approaches For Motion Of A Spherical Solid Particle In Plane Couette Fluid Flow Using Nonlinear Methods. <i>Journal of Mathematics and Computer Science</i> , 2012, 05, 97-104.	0.5	24
351	A general mathematical expression of amperometric enzyme kinetics using Heâ€™s variational iteration method with Padâ€™ approximation. <i>Journal of Electroanalytical Chemistry</i> , 2013, 711, 32-37.	1.9	23
352	Non-Newtonian fluid flow in an axisymmetric channel with porous wall. <i>Propulsion and Power Research</i> , 2013, 2, 254-262.	2.0	23
353	An analytical study on unsteady motion of vertically falling spherical particles in quiescent power-law shear-thinning fluids. <i>Journal of Molecular Liquids</i> , 2014, 193, 166-173.	2.3	23
354	Analytical approach for the effect of melting heat transfer on nanofluid heat transfer. <i>European Physical Journal Plus</i> , 2017, 132, 1.	1.2	23
355	Stand-alone single- and multi-zone modeling of direct injection homogeneous charge compression ignition (DI-HCCI) combustion engines. <i>Applied Thermal Engineering</i> , 2017, 125, 1181-1190.	3.0	23
356	Application of molecular force for mass analysis of Krypton/Xenon mixture in low-pressure MEMS gas sensor. <i>Vacuum</i> , 2018, 150, 207-215.	1.6	23
357	Numerical simulation of joule heating phenomenon using meshless RBF-DQ method. <i>International Journal of Thermal Sciences</i> , 2010, 49, 2117-2127.	2.6	22
358	Approximate traveling wave solution for shallow water wave equation. <i>Applied Mathematical Modelling</i> , 2012, 36, 1550-1557.	2.2	22
359	Effect of thermal radiation on velocity and temperature fields of a thin liquid film over a stretching sheet in a porous medium. <i>European Physical Journal Plus</i> , 2015, 130, 1.	1.2	22
360	Electrohydrodynamic nanofluid flow and forced convective heat transfer in a channel. <i>European Physical Journal Plus</i> , 2016, 131, 1.	1.2	22

#	ARTICLE	IF	CITATIONS
361	Effects of nanoparticles migration on heat transfer enhancement at film condensation of nanofluids over a vertical cylinder. <i>Advanced Powder Technology</i> , 2016, 27, 1941-1948.	2.0	22
362	Analytical investigation for Lorentz forces effect on nanofluid Marangoni boundary layer hydrothermal behavior using HAM. <i>Indian Journal of Physics</i> , 2017, 91, 1581-1587.	0.9	22
363	Unsteady time-dependent incompressible Newtonian fluid flow between two parallel plates by homotopy analysis method (HAM), homotopy perturbation method (HPM) and collocation method (CM). <i>Propulsion and Power Research</i> , 2018, 7, 247-256.	2.0	22
364	Multi-objective optimization of an externally finned two-phase closed thermosyphon using response surface methodology. <i>Applied Thermal Engineering</i> , 2020, 171, 115008.	3.0	22
365	A novel and developed approximation for motion of a spherical solid particle in plane coquette fluid flow. <i>Advanced Powder Technology</i> , 2013, 24, 714-720.	2.0	21
366	Efficient approaches of determining the motion of a spherical particle in a swirling fluid flow using weighted residual methods. <i>Particuology</i> , 2015, 23, 68-74.	2.0	21
367	Investigation of the nonlinear equation of the circular sector oscillator by Akbari-Ganji's method. <i>Journal of Taibah University for Science</i> , 2017, 11, 1110-1121.	1.1	21
368	Developing a multi-zone model for a HCCI engine to obtain optimal conditions using genetic algorithm. <i>Energy Conversion and Management</i> , 2018, 157, 49-58.	4.4	21
369	ANALYTICAL SOLUTION OF THE MAGNETO-HYDRODYNAMIC FLOW OVER A NONLINEAR STRETCHING SHEET. <i>Modern Physics Letters B</i> , 2009, 23, 2541-2556.	1.0	20
370	Lattice Boltzmann simulation of MHD mixed convection in a two-sided lid-driven square cavity. <i>Heat Transfer - Asian Research</i> , 2012, 41, 179-195.	2.8	20
371	Thermal investigation of Cu-water nanofluid between two vertical planes. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2015, 229, 36-43.	1.4	20
372	Fluid flow and heat transfer in an air-to-water double-pipe heat exchanger. <i>European Physical Journal Plus</i> , 2015, 130, 1.	1.2	20
373	Investigation of turbulent flow and heat transfer in an air to water double-pipe heat exchanger. <i>Neural Computing and Applications</i> , 2015, 26, 941-947.	3.2	20
374	Numerical simulation of nanoparticle shape and thermal ray on a $CuO/C_{60}O_2$ hybrid base nanofluid inside a porous enclosure using Darcy's law. <i>Heat Transfer - Asian Research</i> , 2019, 48, 3278-3294.	2.8	20
375	An Analytical Study on a Model Describing Heat Conduction in Rectangular Radial Fin with Temperature-Dependent Thermal Conductivity. <i>International Journal of Thermophysics</i> , 2012, 33, 1042-1054.	1.0	19
376	Transverse magnetic field on Jeffery-Hamel problem with Cu-water nanofluid between two non parallel plane walls by using collocation method. <i>Case Studies in Thermal Engineering</i> , 2014, 4, 193-201.	2.8	19
377	Deposition and dispersion of aerosols over triangular cylinders in a two-dimensional channel; effect of cylinder location and arrangement. <i>Journal of Molecular Liquids</i> , 2015, 206, 228-238.	2.3	19
378	HPM AND VIM METHODS FOR FINDING THE EXACT SOLUTIONS OF THE NONLINEAR DISPERSIVE EQUATIONS AND SEVENTH-ORDER SAWADA-KOTERA EQUATION. <i>International Journal of Modern Physics B</i> , 2009, 23, 39-52.	1.0	18

#	ARTICLE	IF	CITATIONS
379	Nonlinear fluctuation, frequency and stability analyses in free vibration of circular sector oscillation systems. <i>Current Applied Physics</i> , 2010, 10, 1267-1285.	1.1	18
380	Comparative study of large eddy simulation of film cooling using a dynamic global-coefficient subgrid scale eddy-viscosity model with RANS and Smagorinsky Modeling. <i>International Communications in Heat and Mass Transfer</i> , 2011, 38, 659-667.	2.9	18
381	Breakup and deformation of a falling droplet under high voltage electric field. <i>Advanced Powder Technology</i> , 2013, 24, 992-998.	2.0	18
382	Transient combustion analysis for iron micro-particles in a gaseous media by weighted residual methods (WRMs). <i>Case Studies in Thermal Engineering</i> , 2014, 4, 24-31.	2.8	18
383	Investigation of third-grade non-Newtonian blood flow in arteries under periodic body acceleration using multi-step differential transformation method. <i>Applied Mathematics and Mechanics (English)</i> Tj ETQq1 1 0.7843 14 rgBTg/Overl	1.4	18
384	New approach method for solving Duffing-type nonlinear oscillator. <i>AEJ - Alexandria Engineering Journal</i> , 2016, 55, 1695-1702.	3.4	18
385	Effect of geometrical parameters on radiometric force in low-pressure MEMS gas actuator. <i>Microsystem Technologies</i> , 2018, 24, 2189-2198.	1.2	18
386	MHD non-orthogonal stagnation point flow of a nanofluid towards a stretching surface in the presence of thermal radiation. <i>Ain Shams Engineering Journal</i> , 2018, 9, 1671-1681.	3.5	18
387	Heat transfer characteristics and optimization of the efficiency and thermal resistance of a finned thermosyphon. <i>Applied Thermal Engineering</i> , 2021, 183, 116136.	3.0	18
388	Analytical and numerical investigation of fin efficiency and temperature distribution of conductive, convective, and radiative straight fins. <i>Heat Transfer - Asian Research</i> , 2011, 40, 233-245.	2.8	17
389	Nonlinear vibration and rippling instability for embedded carbon nanotubes. <i>Journal of Mechanical Science and Technology</i> , 2012, 26, 985-992.	0.7	17
390	Free convection heat transfer and fluid flow of Cu-water nanofluids inside a triangular cylindrical annulus. <i>Powder Technology</i> , 2015, 277, 1-10.	2.1	17
391	Application of volume of fluid method for simulation of a droplet impacting a fiber. <i>Propulsion and Power Research</i> , 2016, 5, 123-133.	2.0	17
392	Effect of adding nanoparticle on squeezing flow and heat transfer improvement using KKL model. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2017, 27, 1535-1553.	1.6	17
393	Investigation on non-linear vibration in arched beam for bridges construction via AGM method. <i>Applied Mathematics and Computation</i> , 2017, 298, 95-110.	1.4	17
394	Hybrid semi analytical method for geothermal U shaped heat exchanger. <i>Case Studies in Thermal Engineering</i> , 2018, 12, 578-586.	2.8	17
395	Approximate solutions to Van der Pol damped nonlinear oscillators by means of He's energy balance method. <i>International Journal of Computer Mathematics</i> , 2010, 87, 2014-2023.	1.0	16
396	Effect of variable viscosity and viscous dissipation on the Hagen-Poiseuille flow and entropy generation. <i>Numerical Methods for Partial Differential Equations</i> , 2011, 27, 529-540.	2.0	16

#	ARTICLE	IF	CITATIONS
397	Turbulent heat transfer enhancement in an air-to-water heat exchanger. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2017, 231, 1235-1248.	1.4	16
398	Crosswise stream of hydrogen-oxide (H ₂ O) through a porous media containing copper nanoparticles. International Journal of Hydrogen Energy, 2018, 43, 7562-7569.	3.8	16
399	Investigation of Transient MHD Couette flow and Heat Transfer of Dusty Fluid with Temperature-Dependent Properties. Journal of Applied Fluid Mechanics, 2015, 8, 921-929.	0.4	16
400	Exact travelling solutions for some nonlinear physical models by ($G\hat{e}^2/ G$)-expansion method. Pramana - Journal of Physics, 2011, 77, 263-275.	0.9	15
401	Propulsion and launching analysis of variable-mass rockets by analytical methods. Propulsion and Power Research, 2013, 2, 225-233.	2.0	15
402	Investigation of micropolar fluid flow between a porous disk and a nonporous disk using efficient computational technique. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2016, 230, 413-424.	1.4	15
403	Thermal analysis of mechanical face seal using analytical approach. Thermal Science and Engineering Progress, 2018, 5, 60-68.	1.3	15
404	Application of Knudsen Thermal Force for Detection of CO ₂ in Low-Pressure Micro Gas Sensor. Fluid Dynamics, 2018, 53, 812-823.	0.2	15
405	http://www.w3.org/1998/Math/MathML  Cu $\hat{3}$ ALOOH	2.8	15
406	Modified Camassa-Holm and Degasperis-Procesi Equations Solved by Adomian's Decomposition Method and Comparison with HPM and Exact Solutions. Acta Applicandae Mathematicae, 2008, 104, 303-311.	0.5	14
407	Numerical investigation of the coalescence and breakup of falling multi-droplets. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 424, 40-51.	2.3	14
408	Three weighted residual methods based on Jeffery-Hamel flow. International Journal of Numerical Methods for Heat and Fluid Flow, 2014, 24, 654-668.	1.6	14
409	Solving nonlinear differential equation governing on the rigid beams on viscoelastic foundation by AGM. Journal of Marine Science and Application, 2015, 14, 30-38.	0.7	14
410	Magnetic field effects on nanoparticle migration and heat transfer of alumina/water nanofluid in a parallel-plate channel with asymmetric heating. European Physical Journal Plus, 2015, 130, 1.	1.2	14
411	Application of Galerkin and Collocation method to the electrohydrodynamic flow analysis in a circular cylindrical conduit. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2016, 38, 2327-2332.	0.8	14
412	Detection of ammonia gas by Knudsen thermal force in micro gas actuator. Case Studies in Thermal Engineering, 2018, 12, 276-284.	2.8	14
413	He's Energy Balance Method for Nonlinear Oscillators with Discontinuities. International Journal of Nonlinear Sciences and Numerical Simulation, 2009, 10, .	0.4	13
414	Measurement of low-pressure Knudsen force with deflection approximation for gas detection. Results in Physics, 2019, 13, 102257.	2.0	13

#	ARTICLE	IF	CITATIONS
415	Influence of inclined Lorentz forces through a porous media on squeezing $Cu-H_2O$ nanofluid in the presence of heat source/sink. International Journal of Numerical Methods for Heat and Fluid Flow, 2020, 30, 2563-2581.	1.6	13
416	APPLICATION OF He's VARIATIONAL ITERATION METHOD AND ADOMIAN'S DECOMPOSITION METHOD TO PROCHHAMMER'S THREE EQUATION. International Journal of Modern Physics B, 2009, 23, 435-446.	1.0	12
417	HE'S ITERATION PERTURBATION METHOD TO NONLINEAR OSCILLATIONS OF MECHANICAL SYSTEMS WITH SINGLE-DEGREE-OF FREEDOM. International Journal of Modern Physics B, 2009, 23, 2469-2477.	1.0	12
418	Numerical Investigation of Laminar Mixed Convection in a Cubic Cavity by MRT-LBM: Effects of the Sliding Direction. Numerical Heat Transfer; Part A: Applications, 2013, 63, 285-304.	1.2	12
419	Analyzing the nonlinear vibrational wave differential equation for the simplified model of Tower Cranes by Algebraic Method. Frontiers of Mechanical Engineering, 2014, 9, 58-70.	2.5	12
420	Nanoparticle migration effects at film boiling of nanofluids over a vertical plate. International Journal of Numerical Methods for Heat and Fluid Flow, 2017, 27, 471-485.	1.6	12
421	Nanoparticle transport effect on magnetohydrodynamic mixed convection of electrically conductive nanofluids in micro-annuli with temperature-dependent thermophysical properties. Physica E: Low-Dimensional Systems and Nanostructures, 2017, 88, 35-49.	1.3	12
422	Study of pressure swirl atomizer with tangential input at design point and outside of design point. Physics of Fluids, 2020, 32, .	1.6	12
423	Analytical Solution of Viscous Flow in Porous Media Using ADM and Comparison with the Numerical Runge-Kutta Method. Transport in Porous Media, 2010, 81, 527-546.	1.2	11
424	Effects of Nanoparticle Migration on Water/Alumina Nanofluid Flow Inside a Horizontal Annulus with a Moving Core. Journal of Mechanics, 2015, 31, 291-305.	0.7	11
425	Fully developed flow and heat transfer of nanofluids inside a vertical annulus. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2015, 37, 141-147.	0.8	11
426	Investigations of fin geometry on heat exchanger performance by simulation and optimization methods for diesel exhaust application. Neural Computing and Applications, 2016, 27, 1731-1747.	3.2	11
427	Investigation of convective-conductive heat transfer in geothermal system. Results in Physics, 2018, 10, 568-587.	2.0	11
428	Study of pressure-swirl atomizer with spiral path at design point and outside of design point. Physics of Fluids, 2021, 33, .	1.6	11
429	HEAT TRANSFER IN NANOFUID MHD FLOW IN A CHANNEL WITH PERMEABLE WALLS. Heat Transfer Research, 2017, 48, 221-238.	0.9	11
430	Higher-Order Solutions of Coupled Systems Using the Parameter Expansion Method. Mathematical Problems in Engineering, 2009, 2009, 1-20.	0.6	10
431	Numerical and analytical approaches to MHD Jeffery-Hamel flow in a porous channel. International Journal of Numerical Methods for Heat and Fluid Flow, 2012, 22, 491-502.	1.6	10
432	Nanofluids Flow in Microchannels in Presence of Heat Source/Sink and Asymmetric Heating. Journal of Thermophysics and Heat Transfer, 2016, 30, 111-119.	0.9	10

#	ARTICLE	IF	CITATIONS
433	Solving Nonlinear Differential Equation Arising in Dynamical Systems by AGM. International Journal of Applied and Computational Mathematics, 2017, 3, 1507-1523.	0.9	10
434	Semi-analytical investigation on micropolar fluid flow and heat transfer in a permeable channel using AGM. Journal of the Association of Arab Universities for Basic and Applied Sciences, 2017, 24, 213-222.	1.0	10
435	Analytically investigating of heat transfer parameters with presence of graphene oxide nanoparticles in Williamson-magnetic fluid by AGM and HPM methods. Case Studies in Thermal Engineering, 2021, 27, 101236.	2.8	10
436	Performance enhancement of a maple leaf-shaped latent heat energy storage unit by adding nanoparticles and leaf vein fins. Journal of Energy Storage, 2021, 43, 103159.	3.9	10
437	Slope variation effect on large deflection of compliant beam using analytical approach. Structural Engineering and Mechanics, 2012, 44, 405-416.	1.0	10
438	A novel approach for assessment of MHD mixed fluid around two parallel plates by consideration hybrid nanoparticles and shape factor. AEJ - Alexandria Engineering Journal, 2022, 61, 9779-9793.	3.4	10
439	Application of amplitude-frequency formulation to nonlinear oscillation system of the motion of a rigid rod rocking back. Mathematical Methods in the Applied Sciences, 2009, 33, n/a-n/a.	1.2	9
440	Finding general and explicit solutions (2+1) dimensional Broer-Kaup-Kupershmidt system nonlinear equation by exp-function method. Applied Mathematics and Computation, 2010, 217, 1415-1420.	1.4	9
441	Application of He's homotopy perturbation and He's variational iteration methods for solution of Benney-Lin equation. International Journal of Computer Mathematics, 2010, 87, 1872-1884.	1.0	9
442	Deflection prediction of a cantilever beam subjected to static co-planar loading by analytical methods. HBRC Journal, 2014, 10, 191-197.	0.2	9
443	New approaches to identification of the Lagrange multiplier in the variational iteration method. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2015, 37, 937-944.	0.8	9
444	Experimental and numerical evaluation of different vortex generators on heat transfer. Applied Thermal Engineering, 2016, 108, 905-915.	3.0	9
445	Mathematical Modelling of Carbon Nanotube with Fluid Flow using Keller Box Method: A Vibrational Study. International Journal of Applied and Computational Mathematics, 2017, 3, 1689-1701.	0.9	9
446	Investigation of sedimentation process of soluble spherical particles in a non-Newtonian medium. Journal of Colloid and Interface Science, 2018, 530, 532-537.	5.0	9
447	Analytical solution for differential nonlinear and coupled equations in micropolar nanofluid flow between rotating parallel plates. European Physical Journal: Special Topics, 2019, 228, 2601-2617.	1.2	9
448	Barycentric rational interpolation method for numerical investigation of magnetohydrodynamics nanofluid flow and heat transfer in nonparallel plates with thermal radiation. Heat Transfer - Asian Research, 2020, 49, 565-590.	2.8	9
449	Investigation of heat energy storage of RT26 organic materials in circular and elliptical heat exchangers in melting and solidification process. Case Studies in Thermal Engineering, 2021, 28, 101432.	2.8	9
450	Experimental investigation of water droplets' behavior in dielectric medium: the effect of an applied D.C. electric field. Mechanical Sciences, 2013, 4, 333-344.	0.5	9

#	ARTICLE	IF	CITATIONS
451	Periodic solution for strongly nonlinear vibration systems by He's variational iteration method. <i>Mathematical Methods in the Applied Sciences</i> , 2009, 32, 2339-2349.	1.2	8
452	NONLINEAR VIBRATION AND BENDING INSTABILITY OF A SINGLE-WALLED CARBON NANOTUBE USING NONLOCAL ELASTIC BEAM THEORY. <i>International Journal of Nanoscience</i> , 2011, 10, 447-453.	0.4	8
453	Application of He's variational iteration method and Adomian's decomposition method to Sawada-Kotera-Ito seventh-order equation. <i>Numerical Methods for Partial Differential Equations</i> , 2011, 27, 887-897.	2.0	8
454	Comparison between continuum and porous continuum models in studying natural convection in porous cavity with random distribution of solid obstacles. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2015, 25, 484-503.	1.6	8
455	Analytical study of thermal spreading resistance in curved-edge heat spreader. <i>Applied Thermal Engineering</i> , 2016, 104, 527-533.	3.0	8
456	A new solution for nonlinear Dual Phase Lagging heat conduction problem. <i>AEJ - Alexandria Engineering Journal</i> , 2016, 55, 1745-1752.	3.4	8
457	Analysis of MHD flow characteristics of an UCM viscoelastic flow in a permeable channel under slip conditions. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2016, 38, 977-988.	0.8	8
458	Effect of periodic body acceleration and pulsatile pressure gradient pressure on non-Newtonian blood flow in arteries. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2016, 38, 703-708.	0.8	8
459	Semi-analytical Investigation of Momentum and Heat Transfer of a Non-Newtonian Fluid Flow for Specific Turbine Cooling Application Using AGM. <i>International Journal of Applied and Computational Mathematics</i> , 2017, 3, 1463-1475.	0.9	8
460	Heat transfer study of mechanical face seal and fin by analytical method. <i>Engineering Science and Technology, an International Journal</i> , 2018, 21, 380-388.	2.0	8
461	Numerical investigation of droplet coalescence of saltwater in the crude oil by external electric field. <i>Journal of Molecular Liquids</i> , 2022, 346, 117111.	2.3	8
462	Analysis of velocity equation of steady flow of a viscous incompressible fluid in channel with porous walls. <i>International Journal for Numerical Methods in Fluids</i> , 2010, 63, 1048-1059.	0.9	7
463	A Coupled Homotopy-Variational Method and Variational Formulation Applied to Nonlinear Oscillators With and Without Discontinuities. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2011, 133, .	1.0	7
464	Variational iteration method for two-dimensional steady slip flow in micro-channels. <i>Archive of Applied Mechanics</i> , 2011, 81, 1597-1605.	1.2	7
465	Analytical solution of electro-osmotic flow in rectangular Nano-channels by combined Sine transform and MHPM. <i>Journal of Electrostatics</i> , 2012, 70, 451-456.	1.0	7
466	Natural convection from a vertical wall embedded in a non-Darcy porous medium filled with nanofluids. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2013, 23, 1304-1319.	1.6	7
467	MHD Flow and Heat Transfer of a Dusty Fluid Over a Stretching Hollow Cylinder with a Convective Boundary Condition. <i>Heat Transfer - Asian Research</i> , 2014, 43, 221-232.	2.8	7
468	Flow behavior of unsteady incompressible Newtonian fluid flow between two parallel plates via homotopy analysis method. <i>Latin American Journal of Solids and Structures</i> , 2015, 12, 1859-1869.	0.6	7

#	ARTICLE	IF	CITATIONS
469	Application of Exp-function method to wave solutions of the Sine-Gordon and Ostrovsky equations. <i>Acta Mathematicae Applicatae Sinica</i> , 2016, 32, 571-578.	0.4	7
470	Thermal energy absorption in a heat sink with elliptical cross section and tangential impinging inlet flow of nanofluid. <i>Experimental Thermal and Fluid Science</i> , 2017, 89, 50-61.	1.5	7
471	Heat transfer characteristics of an external-fin assisted two-phase closed thermosyphon: An experimental study. <i>Heat Transfer</i> , 2020, 49, 4304-4320.	1.7	7
472	Development in household water heaters by replacing the shell and tube heat exchangers by inclined flat ones having rectangular fins. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101490.	2.8	7
473	A New Solution of Nonlinear Bio-Heat Transfer Equation in Living Tissues Under Periodic Heat Flux in Tissue Surface. <i>Journal of Biomaterials and Tissue Engineering</i> , 2015, 5, 532-538.	0.0	7
474	A comprehensive evaluation of the vertical triplex-tube heat exchanger with PCM, concentrating on flow direction, nanoparticles and multiple PCM implementation. <i>Thermal Science and Engineering Progress</i> , 2021, 26, 101124.	1.3	7
475	Numerical study of homotopy-perturbation method applied to Burgers equation in fluid. <i>Numerical Methods for Partial Differential Equations</i> , 2010, 26, 917-930.	2.0	6
476	He's homotopy perturbation method for two-dimensional heat conduction equation: Comparison with finite element method. <i>Heat Transfer - Asian Research</i> , 2010, 39, 232-245.	2.8	6
477	Experimental Investigation of a Natural Circulation Solar Domestic Water Heater Performance Under Standard Consumption Rate. <i>International Journal of Green Energy</i> , 2012, 9, 322-334.	2.1	6
478	One-dimensional single rising bubble at low Reynolds numbers: solution of equation of motion by differential transformation method. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2012, 7, 256-265.	0.8	6
479	Forced convection heat transfer due to different inclination angles of splitter behind square cylinder. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2013, 34, 541-558.	1.9	6
480	Magnetohydrodynamic buoyancy-driven heat transfer in a cylindrical-triangular annulus filled by Cu-water nanofluid using CVFEM. <i>Journal of Molecular Liquids</i> , 2014, 196, 370-380.	2.3	6
481	Investigation of the viscoelastic flow and species diffusion in a porous channel with high permeability. <i>AJ - Alexandria Engineering Journal</i> , 2014, 53, 779-785.	3.4	6
482	An analytical solution of turbulent boundary layer fluid flow over a flat plate at high Reynolds number. <i>Journal of Molecular Liquids</i> , 2017, 230, 625-633.	2.3	6
483	Application of Homotopy Perturbation Method for Heat and Mass Transfer in the Two-Dimensional Unsteady Flow Between Parallel Plates. <i>International Journal of Applied and Computational Mathematics</i> , 2017, 3, 1677-1688.	0.9	6
484	Hierarchical implementation of hybrid heat promoters fixated on operational conditions to accelerate the melting phenomenon of a triplex tube heat exchanger. <i>Thermal Science and Engineering Progress</i> , 2021, 25, 101008.	1.3	6
485	New exact solutions for seventh-order Sawada-Kotera-Ito, Lax and Kaup-Kupershmidt equations using Exp-function method. <i>Mathematical Methods in the Applied Sciences</i> , 2009, 33, n/a-n/a.	1.2	5
486	Homotopy perturbation based linearization of a nonlinear heat transfer dynamic. <i>Journal of Applied Mathematics and Computing</i> , 2009, 29, 163-176.	1.2	5

#	ARTICLE	IF	CITATIONS
487	Analytic solution of natural convection flow of a non-newtonian fluid between two vertical flat plates by using decomposition method. Numerical Methods for Partial Differential Equations, 2011, 27, 1384-1395.	2.0	5
488	Preparation, Modeling, and Optimization of Mechanical Properties of Epoxy/HIPS/Silica Hybrid Nanocomposite Using Combination of Central Composite Design and Genetic Algorithm. Part 2. Studies on Flexural, Compression, and Impact Strength. Strength of Materials, 2013, 45, 703-715.	0.2	5
489	Experimental study on the water inlet and outlet position of a solar collector reservoir for maximum efficiency. Journal of Mechanical Science and Technology, 2015, 29, 2279-2284.	0.7	5
490	Corrigendum to "Investigation of squeezing unsteady nanofluid flow using ADM" [Powder Technology 239 (2013) 259-265]. Powder Technology, 2017, 310, 103.	2.1	5
491	Effects of equilibrium point displacement in limit cycle oscillation amplitude, critical frequency and prediction of critical input angular velocity in minimal brake system. AIP Advances, 2017, 7, .	0.6	5
492	Suction and injection effect on magnetohydrodynamic fluid flow within a vertical annulus for electrical wire cooling. Case Studies in Thermal Engineering, 2021, 27, 101241.	2.8	5
493	Investigation of Nanofluid MHD Flow and Heat Transfer in a Channel. Journal of Advanced Physics, 2015, 4, 46-56.	0.4	5
494	HYBRID INVESTIGATION OF THERMAL CONDUCTIVITY AND VISCOSITY CHANGEABLE WITH GENERATION/ABSORPTION HEAT SOURCE. Computational Thermal Sciences, 2022, 14, 19-30.	0.5	5
495	Solitary Wave Solutions for a Time-Fraction Generalized Hirota-Satsuma Coupled KdV Equation by a New Analytical Technique. International Journal of Differential Equations, 2010, 2010, 1-11.	0.3	4
496	Influence of Opposing Jet on an Aerodisk Nose Cone at Hypersonic Flow. , 2014, , .		4
497	Scrutiny of non-linear differential equations Euler-Bernoulli beam with large rotational deviation by AGM. Frontiers of Mechanical Engineering, 2014, 9, 402-408.	2.5	4
498	Thermal Behavior of Newtonian and Non-Newtonian Fluid Flows in Ring-Shaped Pipe. Journal of Thermophysics and Heat Transfer, 2014, 28, 162-166.	0.9	4
499	Heat Transfer Performance on Longitudinal Porous Fins with Temperature-Dependent Heat Generation, Heat Transfer Coefficient and Surface Emissivity. Iranian Journal of Science and Technology - Transactions of Mechanical Engineering, 2019, 43, 383-391.	0.8	4
500	A parametric study of the heat and mass diffusion dimensionless parameter in SOFC with DIR by lattice Boltzmann method. Journal of Thermal Analysis and Calorimetry, 2021, 146, 2639-2653.	2.0	4
501	Investigation of Nonlinear Models of Heat Transfer in Hyperthermia Therapy of Pancreas Tissue. Journal of Biomaterials and Tissue Engineering, 2015, 5, 99-103.	0.0	4
502	Fourth Order Volterra Integro-differential Equations Using Modified Homotopy-perturbation Method. Journal of Mathematics and Computer Science, 2011, 03, 179-191.	0.5	4
503	Thermal radiation and magnetic field effects on squeezing motion analysis for Cu-kerosene and Cu-water nanofluids. Heat Transfer, 2022, 51, 2383-2400.	1.7	4
504	APPLICATION OF HE'S PARAMETRIZED PERTURBATION METHOD FOR NONLINEAR HEAT DIFFUSION AND HEAT TRANSFER EQUATIONS. Modern Physics Letters B, 2009, 23, 2791-2806.	1.0	3

#	ARTICLE	IF	CITATIONS
505	ANALYTICAL APPROACHES FOR SYSTEM OF NONLINEAR EQUATIONS ARISING IN MELTING OF A FINITE SLAB. International Journal of Modern Physics B, 2009, 23, 209-222.	1.0	3
506	Analytical Method in Solving Flow of Viscoelastic Fluid in a Porous Converging Channel. International Journal of Mathematics and Mathematical Sciences, 2011, 2011, 1-11.	0.3	3
507	Solution of nonlinear oscillator differential equations using the HPM and PPM. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2013, 35, 319-325.	0.8	3
508	Melting effect on steady laminar flow of a micropolar fluid over a stagnation point on a vertical surface. Journal of Engineering Physics and Thermophysics, 2013, 86, 1210-1216.	0.2	3
509	The Mechanical Behavior of a Balloon-Expandable Stent in a Stenotic Artery. , 2014, , .		3
510	Solution of analytical model for fuel spray penetration via homotopy perturbation method. Propulsion and Power Research, 2016, 5, 202-210.	2.0	3
511	Analytical investigation of the one dimensional heat transfer in logarithmic various surfaces. AEJ - Alexandria Engineering Journal, 2016, 55, 113-117.	3.4	3

512

#	ARTICLE	IF	CITATIONS
523	Nonlinear Solution to a Non-Fourier Heat Conduction Problem in a Slab Heated by Laser Source. <i>Archive of Mechanical Engineering</i> , 2016, 63, 129-144.	0.7	2
524	Improved velocity and temperature profiles for integral solution in the laminar boundary layer flow on a semi-infinite flat plate. <i>Heat Transfer - Asian Research</i> , 2019, 48, 182-215.	2.8	2
525	Intake charge temperature effect on performance characteristics of direct injection low-temperature combustion engines. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 2447-2454.	2.0	2
526	Fluctuation and Frequency of the Oscillators with Exponential Spring Using Accurate Approximate Analytical Solutions. <i>Fluctuation and Noise Letters</i> , 2021, 20, 2150036.	1.0	2
527	Boundary-layer separation in circular diffuser flows in the presence of an external non-uniform magnetic field. <i>Mechanical Sciences</i> , 2020, 11, 39-48.	0.5	2
528	Investigation of heat transfer in a geometry with variable cross section. <i>Heat Transfer - Asian Research</i> , 2010, 39, 1-13.	2.8	1
529	Application of He's methods for laminar flow in a porous-saturated pipe. <i>Mathematical Methods in the Applied Sciences</i> , 2009, 33, n/a-n/a.	1.2	1
530	APPLICATION OF EXP-FUNCTION METHOD TO REDUCED OSTROVSKY EQUATION AND KURAMOTO-SIVASHINSKY EQUATION. <i>Asian-European Journal of Mathematics</i> , 2009, 02, 567-578.	0.2	1
531	Analysis of Flow and Heat Transfer in a Parallelogram Non-Uniformly Heated Enclosure Filled with Porous Medium. <i>Heat Transfer - Asian Research</i> , 2010, 39, 497-506.	2.8	1
532	HOMOTOPY PERTURBATION METHOD AND PARAMETERIZED PERTURBATION METHOD FOR RADIUS OF CURVATURE BEAM EQUATION. <i>International Journal of Computational Materials Science and Engineering</i> , 2012, 01, 1250033.	0.5	1
533	Analytic Approximate Solutions of Mixed Convection about an Inclined Flat Plate Embedded in a Porous Medium Filled with Nanofluids. <i>International Journal for Computational Methods in Engineering Science and Mechanics</i> , 2013, 14, 440-451.	1.4	1
534	A Unified Model Considering Effects of Droplet Break-Up and Air Entrainment at the Initial Stage of Fuel Spray Penetration. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-11.	0.6	1
535	Approximate explicit solutions of Orr-Sommerfeld equations and heat transfer in a geometry with variable cross section by He's methods and comparison with the ADM and DTM. <i>Afrika Matematika</i> , 2015, 26, 1009-1023.	0.4	1
536	Application of the boundary layer flow and heat transfer over a flat plate using collocation method. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2016, 230, 385-393.	1.4	1
537	Investigating the effect of piston bowl geometry on the partially premixed dual fuel combustion engine at low load condition. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	1
538	Scrutiny of Mixed Convection Flow of a Nanofluid in a Horizontal Channel. <i>Journal of Advanced Physics</i> , 2015, 4, 57-63.	0.4	1
539	The (G ²)-Expansion Method for Magneto hydrodynamics Jeffery-Hamel Nanofluid Flow. <i>Journal of Nanofluids</i> , 2014, 3, 60-64.	1.4	1
540	A General Lumped Model for Unsteady Heat Conduction of an Asymmetric Cylinder and Unsteady Couette Flow. <i>Heat Transfer Research</i> , 2006, 37, 1-20.	0.9	1

#	ARTICLE	IF	CITATIONS
541	Analysis of Timoshenko beam with Koch snowflake cross-section and variable properties in different boundary conditions using finite element method. <i>Advances in Mechanical Engineering</i> , 2021, 13, 168781402110609.	0.8	1
542	Numerical Simulation of Two Dimensional Stokes Flow between Eccentric Rotating Circular Cylinders. <i>AIP Conference Proceedings</i> , 2011, , .	0.3	0
543	Analysis of Nonlinear Structural Dynamics and Resonance in Trees. <i>Shock and Vibration</i> , 2012, 19, 609-617.	0.3	0
544	Analytical solution for a suspension bridge by applying HPM and VIM. <i>International Journal of Computer Mathematics</i> , 2015, 92, 782-801.	1.0	0
545	Nonlinear Analysis of a One-Dimensional Non-Fourier Heat Conduction Problem. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , 2017, 87, 447-454.	0.8	0
546	Influence of Different Arranges of Vortex Generators on Heat Transfer. <i>International Journal of Applied and Computational Mathematics</i> , 2017, 3, 2205-2212.	0.9	0
547	Analytical scrutiny of nonlinear equation of hypocycloid motion by AGM. <i>Neural Computing and Applications</i> , 2018, 29, 1575-1582.	3.2	0
548	Role of Carbon Dioxide Reforming Reaction Rate of Methane in Solid Oxide Fuel Cell Simulation: Effect of Inlet Fuel Related Parameters. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2020, , 1-20.	1.2	0
549	Letter to editor about "Comment on the paper "Investigation of squeezing unsteady nanofluid flow using ADM"; M. Sheikholeslami, D.D. Ganji, H.R. Ashorynejad, <i>Powder Technology</i> 239 (2013) 259-265"; <i>Powder Technology</i> , 2021, 379, 655.	2.1	0
550	Simple and accurate approach for solving of nonlinear heat convective-radiative equation in fin by using the collocation method and comparison with HPM and VIM. <i>Theoretical and Applied Mechanics</i> , 2014, 41, 159-176.	0.1	0
551	Heat Transfer Study Through Porous Pin Fins with Variable Section Shapes by Using Analytical Method. <i>Journal of Advanced Physics</i> , 2014, 3, 261-270.	0.4	0