

Mohsen Sheikholeslami

List of Publications by Year in descending order

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papers

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313
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313
times ranked

5028
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#	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.	2.3	712
2	Three dimensional mesoscopic simulation of magnetic field effect on natural convection of nanofluid. International Journal of Heat and Mass Transfer, 2015, 89, 799-808.	4.9	561
3	New computational approach for exergy and entropy analysis of nanofluid under the impact of Lorentz force through a porous media. Computer Methods in Applied Mechanics and Engineering, 2019, 344, 319-333.	6.7	509
4	Numerical approach for MHD Al ₂ O ₃ -water nanofluid transportation inside a permeable medium using innovative c. Computer Methods in Applied Mechanics and Engineering, 2019, 344, 319-333.	6.7	455
5	Heat transfer behavior of nanoparticle enhanced PCM solidification through an enclosure with V shaped fins. International Journal of Heat and Mass Transfer, 2019, 130, 1322-1342.	4.9	418
6	Ferrohydrodynamic and magnetohydrodynamic effects on ferrofluid flow and convective heat transfer. Energy, 2014, 75, 400-410.	8.9	394
7	Review of heat transfer enhancement methods: Focus on passive methods using swirl flow devices. Renewable and Sustainable Energy Reviews, 2015, 49, 444-469.	16.6	370
8	Forced convection heat transfer in a semi annulus under the influence of a variable magnetic field. International Journal of Heat and Mass Transfer, 2016, 92, 339-348.	4.9	365
9	Numerical simulation for solidification in a LHTESS by means of nano-enhanced PCM. Journal of the Taiwan Institute of Chemical Engineers, 2018, 86, 25-41.	5.3	352
10	Heat transfer simulation of heat storage unit with nanoparticles and fins through a heat exchanger. International Journal of Heat and Mass Transfer, 2019, 135, 470-478.	4.9	341
11	Simulation of nanofluid heat transfer in presence of magnetic field: A review. International Journal of Heat and Mass Transfer, 2017, 115, 1203-1233.	4.9	339
12	Numerical simulation of magnetic nanofluid natural convection in porous media. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 494-503.	2.2	336
13	Simulation of MHD CuO-water nanofluid flow and convective heat transfer considering Lorentz forces. Journal of Magnetism and Magnetic Materials, 2014, 369, 69-80.	2.3	332
14	Nanofluid flow and heat transfer between parallel plates considering Brownian motion using DTM. Computer Methods in Applied Mechanics and Engineering, 2015, 283, 651-663.	6.7	306
15	Nanofluid flow and heat transfer in a rotating system in the presence of a magnetic field. Journal of Molecular Liquids, 2014, 190, 112-120.	5.0	304
16	Forced convection of nanofluid in presence of constant magnetic field considering shape effects of nanoparticles. International Journal of Heat and Mass Transfer, 2017, 111, 1039-1049.	4.9	295
17	Enhancement of PCM solidification using inorganic nanoparticles and an external magnetic field with application in energy storage systems. Journal of Cleaner Production, 2019, 215, 963-977.	9.4	285
18	Investigation of squeezing unsteady nanofluid flow using ADM. Powder Technology, 2013, 239, 259-265.	4.3	280

#	ARTICLE	IF	CITATIONS
19	CuO-water nanofluid flow due to magnetic field inside a porous media considering Brownian motion. <i>Journal of Molecular Liquids</i> , 2018, 249, 921-929.	5.0	280
20	Entropy generation of nanofluid in presence of magnetic field using Lattice Boltzmann Method. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 417, 273-286.	2.6	272
21	Application of nano-refrigerant for boiling heat transfer enhancement employing an experimental study. <i>International Journal of Heat and Mass Transfer</i> , 2019, 141, 974-980.	4.9	266
22	Heat transfer and turbulent simulation of nanomaterial due to compound turbulator including irreversibility analysis. <i>International Journal of Heat and Mass Transfer</i> , 2019, 137, 1290-1300.	4.9	266
23	Heat transfer of nanoparticles employing innovative turbulator considering entropy generation. <i>International Journal of Heat and Mass Transfer</i> , 2019, 136, 1233-1240.	4.9	258
24	Magnetic field influence on nanofluid thermal radiation in a cavity with tilted elliptic inner cylinder. <i>Journal of Molecular Liquids</i> , 2017, 229, 137-147.	5.0	256
25	Numerical simulation of MHD nanofluid flow and heat transfer considering viscous dissipation. <i>International Journal of Heat and Mass Transfer</i> , 2014, 79, 212-222.	4.9	254
26	Acceleration of discharge process of clean energy storage unit with insertion of porous foam considering nanoparticle enhanced paraffin. <i>Journal of Cleaner Production</i> , 2020, 261, 121206.	9.4	253
27	Simulation of CuO-water nanofluid heat transfer enhancement in presence of melting surface. <i>International Journal of Heat and Mass Transfer</i> , 2018, 116, 909-919.	4.9	248
28	Simulation of nanofluid flow and natural convection in a porous media under the influence of electric field using CVFEM. <i>International Journal of Heat and Mass Transfer</i> , 2018, 120, 772-781.	4.9	245
29	Analytical investigation of MHD nanofluid flow in a semi-porous channel. <i>Powder Technology</i> , 2013, 246, 327-336.	4.3	243
30	Effects of Heat Transfer in Flow of Nanofluids Over a Permeable Stretching Wall in a Porous Medium. <i>Journal of Computational and Theoretical Nanoscience</i> , 2014, 11, 486-496.	0.5	237
31	Magnetohydrodynamic nanofluid forced convection in a porous lid driven cubic cavity using Lattice Boltzmann method. <i>Journal of Molecular Liquids</i> , 2017, 231, 555-565.	5.0	231
32	Numerical investigation of nanofluid free convection under the influence of electric field in a porous enclosure. <i>Journal of Molecular Liquids</i> , 2018, 249, 1212-1221.	5.0	231
33	Effect of space dependent magnetic field on free convection of Fe ₃ O ₄ -water nanofluid. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 56, 6-15.	5.3	225
34	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.	4.2	224
35	Flow and convective heat transfer of a ferro-nanofluid in a double-sided lid-driven cavity with a wavy wall in the presence of a variable magnetic field. <i>Numerical Heat Transfer; Part A: Applications</i> , 2016, 69, 1186-1200.	2.2	223
36	Heat transfer improvement and pressure drop during condensation of refrigerant-based nanofluid; an experimental procedure. <i>International Journal of Heat and Mass Transfer</i> , 2018, 122, 643-650.	4.9	221

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37	Influence of Lorentz forces on nanofluid flow in a porous cylinder considering Darcy model. Journal of Molecular Liquids, 2017, 225, 903-912.	5.0	220
38	Lattice Boltzmann method simulation for MHD non-Darcy nanofluid free convection. Physica B: Condensed Matter, 2017, 516, 55-71.	2.8	218
39	Analysis of flow and heat transfer in water based nanofluid due to magnetic field in a porous enclosure with constant heat flux using CVFEM. Computer Methods in Applied Mechanics and Engineering, 2017, 320, 68-81.	6.7	212
40	Mesoscopic method for MHD nanofluid flow inside a porous cavity considering various shapes of nanoparticles. International Journal of Heat and Mass Transfer, 2017, 113, 106-114.	4.9	208
41	Ferrofluid flow and heat transfer in a semi annulus enclosure in the presence of magnetic source considering thermal radiation. Journal of the Taiwan Institute of Chemical Engineers, 2015, 47, 6-17.	5.3	207
42	Three dimensional heat and mass transfer in a rotating system using nanofluid. Powder Technology, 2014, 253, 789-796.	4.3	205
43	Magnetic field influence on CuO-H ₂ O nanofluid convective flow in a permeable cavity considering various shapes for nanoparticles. International Journal of Hydrogen Energy, 2017, 42, 19611-19621.	7.2	204
44	Magnetic field effects on natural convection flow of a nanofluid in a horizontal cylindrical annulus using Lattice Boltzmann method. International Journal of Thermal Sciences, 2013, 64, 240-250.	4.9	202
45	Fe ₃ O ₄ -H ₂ O nanofluid natural convection in presence of thermal radiation. International Journal of Hydrogen Energy, 2017, 42, 5708-5718.	7.2	196
46	Simulation of water based nanofluid convective flow inside a porous enclosure via non-equilibrium model. International Journal of Heat and Mass Transfer, 2018, 120, 1200-1212.	4.9	193
47	Two-Phase Simulation of Nanofluid Flow and Heat Transfer in an Annulus in the Presence of an Axial Magnetic Field. IEEE Nanotechnology Magazine, 2015, 14, 561-569.	2.1	192
48	Numerical investigation of magnetic nanofluid forced convective heat transfer in existence of variable magnetic field using two phase model. Journal of Molecular Liquids, 2015, 212, 117-126.	5.0	192
49	Free convection of ferrofluid in a cavity heated from below in the presence of an external magnetic field. Powder Technology, 2014, 256, 490-498.	4.3	188
50	Effect of uniform suction on nanofluid flow and heat transfer over a cylinder. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2015, 37, 1623-1633.	1.7	188
51	Nanofluid turbulent convective flow in a circular duct with helical turbulators considering CuO nanoparticles. International Journal of Heat and Mass Transfer, 2018, 124, 980-989.	4.9	187
52	Natural convection heat transfer in a cavity with sinusoidal wall filled with CuO-water nanofluid in presence of magnetic field. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 40-49.	5.3	186
53	Nanofluid flow and heat transfer due to a stretching cylinder in the presence of magnetic field. Heat and Mass Transfer, 2013, 49, 427-436.	2.1	185
54	Micropolar fluid flow and heat transfer in a permeable channel using analytical method. Journal of Molecular Liquids, 2014, 194, 30-36.	5.0	183

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55	Electrohydrodynamic free convection heat transfer of a nanofluid in a semi-annulus enclosure with a sinusoidal wall. Numerical Heat Transfer; Part A: Applications, 2016, 69, 781-793.	2.2	182
56	Simulation of Ferrofluid Flow for Magnetic Drug Targeting Using the Lattice Boltzmann Method. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2015, 70, 115-124.	1.4	181
57	Melting heat transfer influence on nanofluid flow inside a cavity in existence of magnetic field. International Journal of Heat and Mass Transfer, 2017, 114, 517-526.	4.9	180
58	Two phase simulation of nanofluid flow and heat transfer using heatline analysis. International Communications in Heat and Mass Transfer, 2013, 47, 73-81.	5.7	169
59	Lattice Boltzmann simulation of magnetohydrodynamic natural convection heat transfer of Al ₂ O ₃ "water nanofluid in a horizontal cylindrical enclosure with an inner triangular cylinder. International Journal of Heat and Mass Transfer, 2015, 80, 16-25.	4.9	163
60	Effect of electric field on hydrothermal behavior of nanofluid in a complex geometry. Journal of Molecular Liquids, 2016, 213, 153-161.	5.0	162
61	Magnetic nanofluid flow and convective heat transfer in a porous cavity considering Brownian motion effects. Physics of Fluids, 2018, 30, .	3.9	155
62	Electrohydrodynamic Nanofluid Hydrothermal Treatment in an Enclosure with Sinusoidal Upper Wall. Applied Sciences (Switzerland), 2015, 5, 294-306.	2.6	154
63	CVFEM for magnetic nanofluid convective heat transfer in a porous curved enclosure. European Physical Journal Plus, 2016, 131, 1.	2.6	154
64	Impact of Lorentz forces on Fe ₃ O ₄ -water ferrofluid entropy and exergy treatment within a permeable semi annulus. Journal of Cleaner Production, 2019, 221, 885-898.	9.4	153
65	Influence of CuO nanoparticles on heat transfer behavior of PCM in solidification process considering radiative source term. International Journal of Heat and Mass Transfer, 2018, 126, 1252-1264.	4.9	152
66	Numerical investigation for two phase modeling of nanofluid in a rotating system with permeable sheet. Journal of Molecular Liquids, 2014, 194, 13-19.	5.0	144
67	Heat transfer improvement in a double pipe heat exchanger by means of perforated turbulators. Energy Conversion and Management, 2016, 127, 112-123.	9.3	144
68	Application of LBM in simulation of natural convection in a nanofluid filled square cavity with curve boundaries. Powder Technology, 2013, 247, 87-94.	4.3	141
69	Solidification inside a clean energy storage unit utilizing phase change material with copper oxide nanoparticles. Journal of Cleaner Production, 2020, 245, 118888.	9.4	141
70	MHD free convection in an eccentric semi-annulus filled with nanofluid. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 1204-1216.	5.3	139
71	Numerical investigation of nanofluid spraying on an inclined rotating disk for cooling process. Journal of Molecular Liquids, 2015, 211, 577-583.	5.0	139
72	Nanofluid hydrothermal behavior in existence of Lorentz forces considering Joule heating effect. Journal of Molecular Liquids, 2016, 224, 526-537.	5.0	137

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73	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.	6.1	134
74	Heat flux boundary condition for nanofluid filled enclosure in presence of magnetic field. <i>Journal of Molecular Liquids</i> , 2014, 193, 174-184.	5.0	133
75	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.	4.3	125
76	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.	5.5	124
77	Analytical investigation of MHD nanofluid flow in non-parallel walls. <i>Journal of Molecular Liquids</i> , 2014, 194, 251-259.	5.0	124
78	EFFECTS OF MAGNETOHYDRODYNAMICS ON PERISTALTIC FLOW OF JEFFREY FLUID IN A RECTANGULAR DUCT THROUGH A POROUS MEDIUM. <i>Journal of Porous Media</i> , 2014, 17, 143-157.	1.9	122
79	Nanofluid heat transfer in a permeable enclosure in presence of variable magnetic field by means of CVFEM. <i>International Journal of Heat and Mass Transfer</i> , 2017, 114, 1169-1180.	4.9	121
80	Thermal management for free convection of nanofluid using two phase model. <i>Journal of Molecular Liquids</i> , 2014, 194, 179-187.	5.0	117
81	Nanofluid flow and heat transfer in an asymmetric porous channel with expanding or contracting wall. <i>Journal of Molecular Liquids</i> , 2014, 195, 230-239.	5.0	117
82	On simulation of nanofluid radiation and natural convection in an enclosure with elliptical cylinders. <i>International Journal of Heat and Mass Transfer</i> , 2017, 115, 981-991.	4.9	117
83	Heat transfer enhancement in an air to water heat exchanger with discontinuous helical turbulators; experimental and numerical studies. <i>Energy</i> , 2016, 116, 341-352.	8.9	114
84	Effect of thermal diffusion and heat-generation on MHD nanofluid flow past an oscillating vertical plate through porous medium. <i>Journal of Molecular Liquids</i> , 2018, 257, 12-25.	5.0	113
85	Nanofluid flow inside a solar collector utilizing twisted tape considering exergy and entropy analysis. <i>Renewable Energy</i> , 2019, 141, 246-258.	8.9	113
86	Homotopy perturbation method for three-dimensional problem of condensation film on inclined rotating disk. <i>Scientia Iranica</i> , 2012, 19, 437-442.	0.5	111
87	Numerical study of natural convection between a circular enclosure and a sinusoidal cylinder using control volume based finite element method. <i>International Journal of Thermal Sciences</i> , 2013, 72, 147-158.	4.9	111
88	Numerical simulation of two phase unsteady nanofluid flow and heat transfer between parallel plates in presence of time dependent magnetic field. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 46, 43-50.	5.3	109
89	Influence of EFD viscosity on nanofluid forced convection in a cavity with sinusoidal wall. <i>Journal of Molecular Liquids</i> , 2017, 232, 390-395.	5.0	109
90	Effect of melting heat transfer on nanofluid flow in existence of magnetic field considering Buongiorno Model. <i>Chinese Journal of Physics</i> , 2017, 55, 1115-1126.	4.0	108

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91	Free convection of nanofluid filled enclosure using lattice Boltzmann method (LBM). Applied Mathematics and Mechanics (English Edition), 2013, 34, 833-846.	3.6	106
92	Influence of Induced Magnetic Field on Free Convection of Nanofluid Considering Koo-Kleinstreuer-Li (KKL) Correlation. Applied Sciences (Switzerland), 2016, 6, 324.	2.6	106
93	Numerical approach for magnetic nanofluid flow in a porous cavity using CuO nanoparticles. Materials and Design, 2017, 120, 382-393.	7.2	105
94	Numerical treatment for Carreau nanofluid flow over a porous nonlinear stretching surface. Results in Physics, 2018, 8, 1185-1193.	4.2	96
95	Nanoparticles favorable effects on performance of thermal storage units. Journal of Molecular Liquids, 2020, 300, 112329.	5.0	96
96	MHD natural convection in a nanofluid filled inclined enclosure with sinusoidal wall using CVFEM. Neural Computing and Applications, 2014, 24, 873-882.	5.5	91
97	Nanofluid MHD natural convection through a porous complex shaped cavity considering thermal radiation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 1615-1632.	2.2	91
98	Effect of discontinuous helical turbulators on heat transfer characteristics of double pipe water to air heat exchanger. Energy Conversion and Management, 2016, 118, 75-87.	9.3	86
99	Steady nanofluid flow between parallel plates considering thermophoresis and Brownian effects. Journal of King Saud University - Science, 2016, 28, 380-389.	3.6	85
100	Transport of Magnetohydrodynamic nanofluid in a porous media. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 520, 201-212.	4.8	85
101	Nanofluid heat transfer and entropy generation through a heat exchanger considering a new turbulator and CuO nanoparticles. Journal of Thermal Analysis and Calorimetry, 2018, 134, 2295-2303.	3.6	81
102	Effect of Lorentz forces on forced-convection nanofluid flow over a stretched surface. Particuology, 2016, 26, 108-113.	4.0	80
103	Transportation of MHD nanofluid free convection in a porous semi annulus using numerical approach. Chemical Physics Letters, 2017, 669, 202-210.	2.6	80
104	Convective flow of nanofluid inside a lid driven porous cavity using CVFEM. Physica B: Condensed Matter, 2017, 521, 239-250.	2.8	80
105	Nanofluid flow and forced convection heat transfer due to Lorentz forces in a porous lid driven cubic enclosure with hot obstacle. Computer Methods in Applied Mechanics and Engineering, 2018, 338, 491-505.	6.7	80
106	Influence of magnetic field on CuO-H ₂ O nanofluid flow considering Marangoni boundary layer. International Journal of Hydrogen Energy, 2017, 42, 2748-2755.	7.2	79
107	Nonlinear thermal radiation and cubic autocatalysis chemical reaction effects on the flow of stretched nanofluid under rotational oscillations. Journal of Colloid and Interface Science, 2017, 505, 253-265.	9.6	78
108	Simulation of turbulent flow of nanofluid due to existence of new effective turbulator involving entropy generation. Journal of Molecular Liquids, 2019, 291, 111283.	5.0	78

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109	Free convection of Fe ₃ O ₄ -water nanofluid under the influence of an external magnetic source. Journal of Molecular Liquids, 2017, 229, 530-540.	5.0	77
110	Investigation of nanofluid entropy generation in a heat exchanger with helical twisted tapes. Journal of Molecular Liquids, 2018, 266, 797-805.	5.0	76
111	Effects of heat transfer on peristaltic motion of Oldroyd fluid in the presence of inclined magnetic field. Journal of Magnetism and Magnetic Materials, 2014, 372, 97-106.	2.3	74
112	The Influence of magnetic field on heat transfer of magnetic nanofluid in a sinusoidal double pipe heat exchanger. Chemical Engineering Research and Design, 2016, 113, 112-124.	5.6	74
113	Numerical analysis of nanofluid transportation in porous media under the influence of external magnetic source. Journal of Molecular Liquids, 2017, 233, 499-507.	5.0	74
114	Magnetic source influence on nanofluid flow in porous medium considering shape factor effect. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 3071-3078.	2.2	74
115	Lattice Boltzmann method simulation for CuO-water nanofluid flow in a porous enclosure with hot obstacle. Journal of Molecular Liquids, 2017, 243, 249-256.	5.0	74
116	Experimental study on turbulent flow and heat transfer in an air to water heat exchanger using perforated circular-ring. Experimental Thermal and Fluid Science, 2016, 70, 185-195.	2.7	73
117	Magnetic source impact on nanofluid heat transfer using CVFEM. Neural Computing and Applications, 2018, 30, 1055-1064.	5.5	72
118	Unsteady nanofluid flow and heat transfer in presence of magnetic field considering thermal radiation. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2015, 37, 895-902.	1.7	71
119	Influence of melting surface on MHD nanofluid flow by means of two phase model. Chinese Journal of Physics, 2017, 55, 1352-1360.	4.0	70
120	Entropy Analysis on Electro-Kinetically Modulated Peristaltic Propulsion of Magnetized Nanofluid Flow through a Microchannel. Entropy, 2017, 19, 481.	2.2	70
121	Entropy analysis of nanofluid convection in a heated porous microchannel under MHD field considering solid heat generation. Powder Technology, 2019, 344, 914-925.	4.3	70
122	Discharging process expedition of NEPCM in fin-assisted Latent Heat Thermal Energy Storage System. Journal of Molecular Liquids, 2016, 221, 833-841.	5.0	69
123	Impact of electric field on nanofluid forced convection heat transfer with considering variable properties. Journal of Molecular Liquids, 2017, 229, 566-573.	5.0	68
124	Radiative heat transfer study for flow of non-Newtonian nanofluid past a Riga plate with variable thickness. Journal of Molecular Liquids, 2017, 248, 143-152.	5.0	68
125	Control volume finite element method for nanofluid MHD natural convective flow inside a sinusoidal annulus under the impact of thermal radiation. Computer Methods in Applied Mechanics and Engineering, 2018, 338, 618-633.	6.7	68
126	Irreversibility analysis of the three dimensional flow of carbon nanotubes due to nonlinear thermal radiation and quartic chemical reactions. Journal of Molecular Liquids, 2019, 274, 379-392.	5.0	68

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127	Numerical modeling for Fe ₃ O ₄ -water nanofluid flow in porous medium considering MFD viscosity. Journal of Molecular Liquids, 2017, 242, 255-264.	5.0	67
128	Numerical investigation of nanofluid transportation in a curved cavity in existence of magnetic source. Chemical Physics Letters, 2017, 667, 307-316.	2.6	67
129	Investigation of Rotating MHD Viscous Flow and Heat Transfer between Stretching and Porous Surfaces Using Analytical Method. Mathematical Problems in Engineering, 2011, 2011, .	1.1	66
130	Radiation effects on heat transfer of three dimensional nanofluid flow considering thermal interfacial resistance and micro mixing in suspensions. Chinese Journal of Physics, 2017, 55, 2254-2272.	4.0	66
131	Magnetohydrodynamic CuO-Water Nanofluid in a Porous Complex-Shaped Enclosure. Journal of Thermal Science and Engineering Applications, 2017, 9, .	1.5	65
132	Forced convection heat transfer in Fe ₃ O ₄ -ethylene glycol nanofluid under the influence of Coulomb force. Journal of Molecular Liquids, 2017, 233, 203-210.	5.0	65
133	Heat transfer of Fe ₃ O ₄ -water nanofluid in a permeable medium with thermal radiation in existence of constant heat flux. Chemical Engineering Science, 2017, 174, 326-336.	4.0	65
134	High accuracy analysis for motion of a spherical particle in plane Couette fluid flow by Multi-step Differential Transformation Method. Powder Technology, 2014, 260, 59-67.	4.3	64
135	Forced convection in existence of Lorentz forces in a porous cavity with hot circular obstacle using nanofluid via Lattice Boltzmann method. Journal of Molecular Liquids, 2017, 246, 103-111.	5.0	64
136	Nanofluid convective heat transfer intensification in a porous circular cylinder. Chemical Engineering and Processing: Process Intensification, 2017, 120, 93-104.	3.6	64
137	Heat transfer enhancement of ferrofluid inside an 90° elbow channel by non-uniform magnetic field. Journal of Magnetism and Magnetic Materials, 2018, 460, 302-311.	2.3	64
138	Numerical simulation for forced convection flow of MHD CuO-H ₂ O nanofluid inside a cavity by means of LBM. Journal of Molecular Liquids, 2018, 249, 941-948.	5.0	64
139	CuO-water nanofluid flow and heat transfer in a heat exchanger tube with twisted tape turbulator. Powder Technology, 2018, 336, 131-143.	4.3	64
140	Non-uniform magnetic field effect on nanofluid hydrothermal treatment considering Brownian motion and thermophoresis effects. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2016, 38, 1171-1184.	1.7	63
141	Magnetic nanofluid natural convection in the presence of thermal radiation considering variable viscosity. European Physical Journal Plus, 2017, 132, 1.	2.6	60
142	Numerical investigation of MHD nanofluid free convective heat transfer in a porous tilted enclosure. Engineering Computations, 2017, 34, 1939-1955.	1.5	60
143	Macroscopic modeling for convection of Hybrid nanofluid with magnetic effects. Physica A: Statistical Mechanics and Its Applications, 2019, 534, 122136.	2.6	60
144	The influence of non-uniform magnetic field on heat transfer intensification of ferrofluid inside a T-junction. Chemical Engineering and Processing: Process Intensification, 2018, 123, 58-66.	3.6	58

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145	Thermal management of MHD nanofluid within the porous medium enclosed in a wavy shaped cavity with square obstacle in the presence of radiation heat source. International Journal of Heat and Mass Transfer, 2019, 139, 87-94.	4.9	58
146	Second law analysis for nanofluid turbulent flow inside a circular duct in presence of twisted tape turbulators. Journal of Molecular Liquids, 2018, 263, 489-500.	5.0	56
147	Three-Dimensional Flow of Nanofluid Induced by an Exponentially Stretching Sheet: An Application to Solar Energy. PLoS ONE, 2015, 10, e0116603.	2.6	55
148	Numerical investigation of forced convective heat transfer of Fe ₃ O ₄ nanofluid in the presence of external magnetic source. Computer Methods in Applied Mechanics and Engineering, 2017, 315, 831-845.	6.7	55
149	Study of Fe ₃ O ₄ -water nanofluid with convective heat transfer in the presence of magnetic source. AEJ - Alexandria Engineering Journal, 2018, 57, 565-575.	6.7	55
150	Entropy generation on the interaction of nanoparticles over a stretched surface with thermal radiation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 570, 368-376.	4.8	55
151	On the convective heat and zero nanoparticle mass flux conditions in the flow of 3D MHD Couple Stress nanofluid over an exponentially stretched surface. Scientific Reports, 2019, 9, 562.	3.4	55
152	Simulation of three dimensional MHD natural convection using double MRT Lattice Boltzmann method. Physica A: Statistical Mechanics and Its Applications, 2019, 515, 474-496.	2.6	55
153	Investigation of Nanofluid Flow and Heat Transfer in Presence of Magnetic Field Using KKL Model. Arabian Journal for Science and Engineering, 2014, 39, 5007-5016.	3.0	54
154	Numerical modeling of magnetohydrodynamic CuO-Water transportation inside a porous cavity considering shape factor effect. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 529, 705-714.	4.8	54
155	A novel Bayesian optimization for flow condensation enhancement using nanorefrigerant: A combined analytical and experimental study. Chemical Engineering Science, 2020, 215, 115465.	4.0	54
156	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. Applied Thermal Engineering, 2017, 118, 430-447.	6.1	53
157	Influence of various shapes of CuO nanomaterial on nanofluid forced convection within a sinusoidal channel with obstacles. Chemical Engineering Research and Design, 2019, 146, 478-485.	5.6	52
158	Magnetic force and radiation influences on nanofluid transportation through a permeable media considering Al ₂ O ₃ nanoparticles. Journal of Thermal Analysis and Calorimetry, 2019, 136, 2477-2485.	3.6	52
159	Response surface method optimization of innovative fin structure for expediting discharging process in latent heat thermal energy storage system containing nano-enhanced phase change material. Journal of the Taiwan Institute of Chemical Engineers, 2016, 67, 115-125.	5.3	51
160	Numerical simulation for heat transfer intensification of nanofluid in a porous curved enclosure considering shape effect of Fe ₃ O ₄ nanoparticles. Chemical Engineering and Processing: Process Intensification, 2018, 124, 71-82.	3.6	49
161	Influence of Lorentz forces on nanofluid flow in a porous cavity by means of non-Darcy model. Engineering Computations, 2017, 34, 2651-2667.	1.5	48
162	Rotating frame analysis of radiating and reacting ferro-nanofluid considering Joule heating and viscous dissipation. International Journal of Heat and Mass Transfer, 2018, 120, 540-551.	4.9	48

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