Mohsen Sheikholeslami

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

308 papers	23,584 citations	91 h-index	144 g-index
313 ext. papers	25,542 ext. citations	4.4 avg, IF	8.69 L-index

#	Paper	IF	Citations
308	Boiling process with incorporating nanoparticles through a flattened channel using experimental approach. *Journal of Thermal Analysis and Calorimetry*, **2021**, 143, 3569-3576	4.1	4
307	Stability analysis of multiple solutions in case of a stretched nanofluid flow obeying Corcione's correlation: An extended Darcy model. *ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik* , **2021**, 101, e202000172	1	0
306	IMPACT OF NON-DARCY MEDIUM ON MIXED CONVECTIVE FLOW TOWARDS A PLATE CONTAINING MICROPOLAR WATER-BASED TiO2 NANOMATERIAL WITH ENTROPY GENERATION. *Journal of Porous Media*, **2020**, 23, 11-26	2.9	12
305	Second law analysis of a porous structured enclosure with nano-enhanced phase change material and under magnetic force. *Journal of Thermal Analysis and Calorimetry*, **2020**, 140, 2585-2599	4.1	16
304	A novel Bayesian optimization for flow condensation enhancement using nanorefrigerant: A combined analytical and experimental study. *Chemical Engineering Science*, **2020**, 215, 115465	4.4	49
303	Nanoparticles favorable effects on performance of thermal storage units. *Journal of Molecular Liquids*, **2020**, 300, 112329	6	85
302	Mixed Convective Radiative Flow through a Slender Revolution Bodies Containing Molybdenum-Disulfide Graphene Oxide along with Generalized Hybrid Nanoparticles in Porous Media. *Crystals*, **2020**, 10, 771	2.3	9
301	Hydrothermal analysis of nanoparticles transportation through a porous compound cavity utilizing two temperature model and radiation heat transfer under the effects of magnetic field. *Microsystem Technologies*, **2020**, 26, 333-344	1.7	5
300	Effects of wavy wall and Y-shaped fins on solidification of PCM with dispersion of Al2O3 nanoparticle. *Journal of Thermal Analysis and Calorimetry*, **2020**, 140, 381-396	4.1	10
299	Solidification inside a clean energy storage unit utilizing phase change material with copper oxide nanoparticles. *Journal of Cleaner Production*, **2020**, 245, 118888	10.3	109
298	Modeling of nanomaterial treatment through a porous space including magnetic forces. *Journal of Thermal Analysis and Calorimetry*, **2020**, 140, 825-834	4.1	19
297	Numerical analysis of MHD flow and nanoparticle migration within a permeable space containing Non-equilibrium model. *Physica A: Statistical Mechanics and Its Applications*, **2020**, 537, 122459	3.3	14
296	Acceleration of discharge process of clean energy storage unit with insertion of porous foam considering nanoparticle enhanced paraffin. *Journal of Cleaner Production*, **2020**, 261, 121206	10.3	196
295	Numerical investigation of MHD nanomaterial convective migration and heat transfer within a sinusoidal porous cavity. *Physica Scripta*, **2019**, 94, 115225	2.6	19
294	Macroscopic simulation of nanofluid turbulent flow due to compound turbulator in a pipe. *Chemical Physics*, **2019**, 527, 110475	2.3	11
293	Magnetohydrodynamic nanofluid radiative thermal behavior by means of Darcy law inside a porous media. *Scientific Reports*, **2019**, 9, 12765	4.9	6
292	Numerical mesoscopic method for transportation of H2O-based nanofluid through a porous channel considering Lorentz forces. *International Journal of Modern Physics C*, **2019**, 30, 1950007	1.1	25

291	Interaction effects of an inclined magnetic field and nanofluid on forced convection heat transfer and flow irreversibility in a duct with an abrupt contraction. *Journal of Magnetism and Magnetic Materials*, **2019**, 478, 216-226	2.8	24
290	Ferrofluid irreversibility and heat transfer simulation inside a permeable space including Lorentz forces. *Physica A: Statistical Mechanics and Its Applications*, **2019**, 528, 121492	3.3	9
289	Improving thermal performance of water bath heaters in natural gas pressure drop stations. *Applied Thermal Engineering*, **2019**, 159, 113829	5.8	15
288	FVM modeling of nanofluid forced convection through a solar unit involving MCTT. *International Journal of Mechanical Sciences*, **2019**, 159, 126-139	5.5	21
287	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	45
286	Acceleration of solidification process by means of nanoparticles in an energy storage enclosure using numerical approach. *Physica A: Statistical Mechanics and Its Applications*, **2019**, 524, 540-552	3.3	12
285	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	5.5	38
284	Numerical simulation for entropy generation and hydrothermal performance of nanomaterial inside a porous cavity using Fe3O4 nanoparticles. *Physica A: Statistical Mechanics and Its Applications*, **2019**, 524, 272-288	3.3	7
283	Heat transfer of nanoparticles employing innovative turbulator considering entropy generation. *International Journal of Heat and Mass Transfer*, **2019**, 136, 1233-1240	4.9	240
282	Mesoscopic investigation for alumina nanofluid heat transfer in permeable medium influenced by Lorentz forces. *Computer Methods in Applied Mechanics and Engineering*, **2019**, 349, 839-858	5.7	30
281	Simulation of convection heat transfer of magnetic nanoparticles including entropy generation using CVFEM. *International Journal of Heat and Mass Transfer*, **2019**, 136, 146-156	4.9	36
280	Simulation of exergy loss of nanomaterial through a solar heat exchanger with insertion of multi-channel twisted tape. *Journal of Thermal Analysis and Calorimetry*, **2019**, 138, 795-804	4.1	31
279	Time-dependent heat transfer simulation for NEPCM solidification inside a channel. *Journal of Thermal Analysis and Calorimetry*, **2019**, 138, 721-726	4.1	11
278	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	5.1	45
277	Simulation of nanoparticles second law treatment inside a solar collector considering turbulent flow. *Physica A: Statistical Mechanics and Its Applications*, **2019**, 525, 1-12	3.3	17
276	Nanofluid turbulent forced convection through a solar flat plate collector with Al2O3 nanoparticles. *Microsystem Technologies*, **2019**, 25, 4237-4247	1.7	7
275	Turbulent nanofluid flow through a solar collector influenced by multi-channel twisted tape considering entropy generation. *European Physical Journal Plus*, **2019**, 134, 1	3.1	12
274	Investigation of the nanofluid convective flow and entropy generation within a microchannel heat sink involving magnetic field. *Powder Technology*, **2019**, 351, 195-202	5.2	23

273	Heat transfer and turbulent simulation of nanomaterial due to compound turbulator including irreversibility analysis. *International Journal of Heat and Mass Transfer*, **2019**, 137, 1290-1300	4.9	250
272	Nanofluid flow inside a solar collector utilizing twisted tape considering exergy and entropy analysis. *Renewable Energy*, **2019**, 141, 246-258	8.1	99
271	Impact of Lorentz forces on Fe3O4-water ferrofluid entropy and exergy treatment within a permeable semi annulus. *Journal of Cleaner Production*, **2019**, 221, 885-898	10.3	129
270	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	4.9	43
269	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	300
268	Time dependent conduction heat transfer during solidification in a storage system using nanoparticles. *Microsystem Technologies*, **2019**, 25, 2153-2169	1.7	12
267	CVFEM modeling for nanofluid behavior involving non-equilibrium model and Lorentz effect in appearance of radiation. *Physica A: Statistical Mechanics and Its Applications*, **2019**, 534, 122154	3.3	23
266	Macroscopic modeling for convection of Hybrid nanofluid with magnetic effects. *Physica A: Statistical Mechanics and Its Applications*, **2019**, 534, 122136	3.3	48
265	Simulation of nanomaterial turbulent modeling in appearance of compound swirl device concerning exergy drop. *Physica A: Statistical Mechanics and Its Applications*, **2019**, 534, 122121	3.3	5
264	Nanoparticle application for heat transfer and irreversibility analysis in an air conditioning unit. *Journal of Molecular Liquids*, **2019**, 292, 111372	6	6
263	Cubic Auto-Catalysis Reactions in Three-Dimensional Nanofluid Flow Considering Viscous and Joule Dissipations Under Thermal Jump. *Communications in Theoretical Physics*, **2019**, 71, 779	2.4	9
262	Application of nano-refrigerant for boiling heat transfer enhancement employing an experimental study. *International Journal of Heat and Mass Transfer*, **2019**, 141, 974-980	4.9	242
261	Solidification entropy generation via FEM through a porous storage unit with applying a magnetic field. *Physica Scripta*, **2019**, 94, 095207	2.6	8
260	Analysis on the heat storage unit through a Y-shaped fin for solidification of NEPCM. *Journal of Molecular Liquids*, **2019**, 292, 111378	6	24
259	Simulation of turbulent flow of nanofluid due to existence of new effective turbulator involving entropy generation. *Journal of Molecular Liquids*, **2019**, 291, 111283	6	73
258	Effect of second order slip condition on the flow of Tangent hyperbolic fluid□ novel perception of Cattaneo□Christov heat flux. *Physica Scripta*, **2019**, 94, 115707	2.6	9
257	An entropy generation analysis for MHD water based Fe3O4 ferrofluid through a porous semi annulus cavity via CVFEM. *International Communications in Heat and Mass Transfer*, **2019**, 108, 104295	5.8	20
256	Simulation of triplex-tube heat storage including nanoparticles, solidification process. *Journal of Molecular Liquids*, **2019**, 296, 111731	6	11

255	Lattice Boltzmann method modeling of magnetic water-based nanofluid through a permeable 3D enclosure. *Revista Mexicana De Física*, **2019**, 65, 365-372	3.5	2
254	Entropy analysis of nanofluid convection in a heated porous microchannel under MHD field considering solid heat generation. *Powder Technology*, **2019**, 344, 914-925	5.2	54
253	Solidification process through a solar energy storage enclosure using various sizes of Al2O3 nanoparticles. *Journal of Molecular Liquids*, **2019**, 275, 941-954	6	16
252	Magnetic force and radiation influences on nanofluid transportation through a permeable media considering Al2O3 nanoparticles. *Journal of Thermal Analysis and Calorimetry*, **2019**, 136, 2477-2485	4.1	39
251	Nanoparticle transportation of CuO-H2O nanofluid in a porous semi annulus due to Lorentz forces. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2019**, 29, 294-308	4.5	18
250	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	361
249	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	10.3	224
248	Analyze of entropy generation for NEPCM melting process inside a heat storage system. *Microsystem Technologies*, **2019**, 25, 3203-3211	1.7	7
247	Numerical approach for MHD Al2O3-water nanofluid transportation inside a permeable medium using innovative computer method. *Computer Methods in Applied Mechanics and Engineering*, **2019**, 344, 306-318	5.7	379
246	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	5.7	442
245	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	6	58
244	Nanofluid Forced and Mixed Convection Heat Transfer by Means of CVFEM **2019**, 127-161		
243	Effect of Uniform Lorentz Forces on Nanofluid Flow Using CVFEM **2019**, 163-199		
242	Influence of Variable Lorentz Forces on Nanofluid Free Convection Using CVFEM **2019**, 201-291		
241	Nanofluid Forced Convective Heat Transfer in Presence of Variable Magnetic Field Using CVFEM **2019**, 293-326		
240	Influence of Shape Factor on Nanofluid Heat Transfer Improvement Using CVFEM **2019**, 327-371		
239	Electrohydrodynamic Nanofluid Natural Convection Using CVFEM **2019**, 373-398		1
238	Forced Convection of Nanofluid in Existence of Electric Field Using CVFEM **2019**, 399-440		

237	Darcy Model for Nanofluid Flow in a Porous Media by Means of CVFEM **2019**, 441-482		
236	Nonuniform Magnetic Field Effect on Nanofluid Convective Flow in a Porous Cavity **2019**, 581-622		
235	Thermal Radiation Influence on Nanofluid Flow in a Porous Medium in the Presence of Coulomb Forces Using CVFEM **2019**, 623-647		1
234	Influence of Electric Field on Forced Convection of Nanofluid in a Porous Medium by Means of CVFEM **2019**, 649-673		
233	Nanofluid Heat Transfer Enhancement in Presence of Melting Surface Using CVFEM **2019**, 675-706		1
232	Nanofluid Convective Heat Transfer Considering Magnetic Field Dependent (MFD) Viscosity by Means of CVFEM **2019**, 707-749		
231	Non-Darcy Model for Nanofluid Hydrothermal Treatment in a Porous Medium Using CVFEM **2019**, 483-546		1
230	Influence of adding nanoparticles on solidification in a heat storage system considering radiation effect. *Journal of Molecular Liquids*, **2019**, 273, 589-605	6	17
229	Simulation of three dimensional MHD natural convection using double MRT Lattice Boltzmann method. *Physica A: Statistical Mechanics and Its Applications*, **2019**, 515, 474-496	3.3	38
228	Detailed Explanation of Control Volume-based Finite Element Method **2019**, 1-13		13
227	Simulation of Vorticity Stream Function Formulation by Means of CVFEM **2019**, 15-32		
226	Various Application of Nanofluid for Heat Transfer Augmentation **2019**, 33-71		
225	Single-phase Model for Nanofluid Free Convection Heat Transfer by Means of CVFEM **2019**, 73-97		
224	Buongiorno Model for Nanofluid Treatment Using CVFEM **2019**, 99-126		
223	Thermal Nonequilibrium Model for Nanofluid Flow in a Porous Enclosure by Means of CVFEM **2019**, 547-580		
222	Numerical study for forced MHD convection heat transfer of a nanofluid in a square cavity with a cylinder of constant heat flux. *European Physical Journal Plus*, **2018**, 133, 1	3.1	11
221	Effect of thermal diffusion and heat-generation on MHD nanofluid flow past an oscillating vertical plate through porous medium. *Journal of Molecular Liquids*, **2018**, 257, 12-25	6	76
220	Lattice Boltzmann method for nanofluid flow in a porous cavity with heat sources and magnetic field. *Chinese Journal of Physics*, **2018**, 56, 1578-1587	3.5	16

219	Exergy loss analysis for nanofluid forced convection heat transfer in a pipe with modified turbulators. *Journal of Molecular Liquids*, **2018**, 262, 104-110	6	45
218	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	2.3	74
217	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	168
216	Heat transfer improvement and pressure drop during condensation of refrigerant-based nanofluid; an experimental procedure. *International Journal of Heat and Mass Transfer*, **2018**, 122, 643-650	4.9	204
215	Condensation of nano-refrigerant inside a horizontal tube. *Physica B: Condensed Matter*, **2018**, 537, 33-39	2.8	21
214	Numerical treatment for Carreau nanofluid flow over a porous nonlinear stretching surface. *Results in Physics*, **2018**, 8, 1185-1193	3.7	75
213	Numerical simulation of Fe3O4-water nanofluid flow in a non-Darcy porous media. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2018**, 28, 641-660	4.5	42
212	Magnetic nanofluid flow and convective heat transfer in a porous cavity considering Brownian motion effects. *Physics of Fluids*, **2018**, 30, 012003	4.4	142
211	Non-Darcy free convection of Fe3O4-water nanoliquid in a complex shaped enclosure under impact of uniform Lorentz force. *Chinese Journal of Physics*, **2018**, 56, 270-281	3.5	39
210	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	41
209	Simulation of nanofluid flow and natural convection in a porous media under the influence of electric field using CVFEM. *International Journal of Heat and Mass Transfer*, **2018**, 120, 772-781	4.9	226
208	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	183
207	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	6	51
206	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	2.8	53
205	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	247
204	Semi analytical analysis for transient Eyring-Powell squeezing flow in a stretching channel due to magnetic field using DTM. *Journal of Molecular Liquids*, **2018**, 260, 30-36	6	26
203	Nanofluid heat transfer intensification in a permeable channel due to magnetic field using lattice Boltzmann method. *Physica B: Condensed Matter*, **2018**, 542, 51-58	2.8	37
202	Study of Fe3O4-water nanofluid with convective heat transfer in the presence of magnetic source. *AEJ - Alexandria Engineering Journal*, **2018**, 57, 565-575	6.1	45

201	Ferrofluid convective heat transfer under the influence of external magnetic source. *AEJ - Alexandria Engineering Journal*, **2018**, 57, 49-60	6.1	14
200	Magnetic source impact on nanofluid heat transfer using CVFEM. *Neural Computing and Applications*, **2018**, 30, 1055-1064	4.8	56
199	Numerical simulation for forced convection flow of MHD CuO-H2O nanofluid inside a cavity by means of LBM. *Journal of Molecular Liquids*, **2018**, 249, 941-948	6	57
198	Nanofluid heat transfer analysis in a microchannel heat sink (MCHS) under the effect of magnetic field by means of KKL model. *Powder Technology*, **2018**, 324, 36-47	5.2	95
197	Simulation of CuO-water nanofluid heat transfer enhancement in presence of melting surface. *International Journal of Heat and Mass Transfer*, **2018**, 116, 909-919	4.9	222
196	Two phase modeling of nanofluid flow in existence of melting heat transfer by means of HAM. *Indian Journal of Physics*, **2018**, 92, 205-214	1.4	26
195	Investigation of Coulomb force effects on ethylene glycol based nanofluid laminar flow in a porous enclosure. *Applied Mathematics and Mechanics (English Edition)*, **2018**, 39, 1341-1352	3.2	27
194	Effect of Marangoni Convection on Nanofluid Treatment **2018**, 491-510		1
193	Natural Convection of Fe 3 O 4 -Ethylene Glycol Nanouid under the Impact of Electric Field in a Porous Enclosure. *Communications in Theoretical Physics*, **2018**, 69, 667	2.4	14
192	Investigation of nanofluid entropy generation in a heat exchanger with helical twisted tapes. *Journal of Molecular Liquids*, **2018**, 266, 797-805	6	62
191	Numerical simulation for external magnetic field influence on Fe3O4-water nanofluid forced convection. *Engineering Computations*, **2018**, 35, 1639-1654	1.4	10
190	Nanofluid unsteady heat transfer in a porous energy storage enclosure in existence of Lorentz forces. *International Journal of Heat and Mass Transfer*, **2018**, 127, 914-926	4.9	13
189	Control volume based finite element simulation of magnetic nanofluid flow and heat transport in non-Darcy medium. *Journal of Molecular Liquids*, **2018**, 268, 354-364	6	28
188	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	5.7	74
187	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	5.7	58
186	Investigation of second law and hydrothermal behavior of nanofluid through a tube using passive methods. *Journal of Molecular Liquids*, **2018**, 269, 407-416	6	24
185	Numerical study of the effect of magnetic field on Fe3O4 water ferrofluid convection with thermal radiation. *Engineering Computations*, **2018**, 35, 1855-1872	1.4	4
184	Effect of dispersing nanoparticles on solidification process in existence of Lorenz forces in a permeable media. *Journal of Molecular Liquids*, **2018**, 266, 181-193	6	21

183	Application of Nanofluids **2018**, 1-44		6
182	Basic Ideas of Semi Analytical Methods **2018**, 45-59		3
181	Nanofluid Flow Analysis by Means of Semi Analytical Methods **2018**, 61-187		
180	Melting Heat Transfer Effect on Nanofluid Behavior **2018**, 189-246		
179	Magnetohydrodynamic Nanofluid Flow by Means of Semi Analytical Methods **2018**, 247-333		
178	Electrohydrodynamic Nanofluid Flow by Means of Semi Analytical Methods **2018**, 335-360		
177	Thermal Radiation Heat Transfer of Nanofluid by Means of Semi Analytical Methods **2018**, 361-388		
176	Effect of Induced Magnetic Field on Nanofluid Treatment **2018**, 389-432		
175	Nanofluid Flow in a Permeable Media by Means of Semi Analytical Methods **2018**, 433-490		
174	Entropy Generation of Nanofluid by Means of Semi Analytical Methods **2018**, 511-554		2
173	Nanofluid Flow Over a Stretching Surface **2018**, 555-597		
172	Biomechanically Driven Nanofluid Flow **2018**, 599-614		
171	Nonlinear Radiative Flow of Casson Nanoliquid Past a Cone and Wedge with Magnetic Dipole: Mathematical Model of Renewable Energy. *Journal of Nanofluids*, **2018**, 7, 1089-1100	2.2	15
170	Numerical investigation of nanofluid free convection under the influence of electric field in a porous enclosure. *Journal of Molecular Liquids*, **2018**, 249, 1212-1221	6	215
169	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	3.7	45
168	CuO-water nanofluid flow due to magnetic field inside a porous media considering Brownian motion. *Journal of Molecular Liquids*, **2018**, 249, 921-929	6	257
167	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	3.7	51
166	Non-equilibrium Model for Nanofluid Free Convection Inside a Porous Cavity Considering Lorentz Forces. *Scientific Reports*, **2018**, 8, 16881	4.9	30

165	Melting heat transfer and entropy optimization owing to carbon nanotubes suspended Casson nanoliquid flow past a swirling cylinder-A numerical treatment. *AIP Advances*, **2018**, 8, 115130	1.5	22
164	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	4.1	69
163	Investigation of Lorentz forces and radiation impacts on nanofluid treatment in a porous semi annulus via Darcy law. *Journal of Molecular Liquids*, **2018**, 272, 8-14	6	16
162	An application of CVFEM for nanofluid heat transfer intensification in a porous sinusoidal cavity considering thermal non-equilibrium model. *Computer Methods in Applied Mechanics and Engineering*, **2018**, 339, 663-680	5.7	13
161	TiO2-water nanofluid in a porous channel under the effects of an inclined magnetic field and variable thermal conductivity. *Applied Mathematics and Mechanics (English Edition)*, **2018**, 39, 1201-1216	3.2	17
160	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	146
159	CuO-water nanofluid flow and heat transfer in a heat exchanger tube with twisted tape turbulator. *Powder Technology*, **2018**, 336, 131-143	5.2	47
158	Recent Advances in the Application of Differential Equations in Mechanical Engineering Problems. *Mathematical Problems in Engineering*, **2018**, 2018, 1-3	1.1	12
157	Corrigendum to Investigation of squeezing unsteady nanofluid flow using ADM[Powder Technology 239 (2013) 259265]. *Powder Technology*, **2017**, 310, 103	5.2	3
156	Transport of Magnetohydrodynamic nanofluid in a porous media. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2017**, 520, 201-212	5.1	69
155	Magnetohydrodynamic CuOWater Nanofluid in a Porous Complex-Shaped Enclosure. *Journal of Thermal Science and Engineering Applications*, **2017**, 9,	1.9	61
154	Influence of EFD viscosity on nanofluid forced convection in a cavity with sinusoidal wall. *Journal of Molecular Liquids*, **2017**, 232, 390-395	6	102
153	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	6	62
152	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	5.8	34
151	Fe3O4H2O nanofluid natural convection in presence of thermal radiation. *International Journal of Hydrogen Energy*, **2017**, 42, 5708-5718	6.7	176
150	Magnetohydrodynamic nanofluid forced convection in a porous lid driven cubic cavity using Lattice Boltzmann method. *Journal of Molecular Liquids*, **2017**, 231, 555-565	6	214
149	Numerical approach for magnetic nanofluid flow in a porous cavity using CuO nanoparticles. *Materials and Design*, **2017**, 120, 382-393	8.1	98
148	Introduction to Differential Transformation Method **2017**, 1-54		3

147	DTM for Heat Transfer Problems **2017**, 103-151		
146	DTM for Nanofluids and Nanostructures Modeling **2017**, 197-238		
145	Lattice Boltzmann method simulation for MHD non-Darcy nanofluid free convection. *Physica B: Condensed Matter*, **2017**, 516, 55-71	2.8	205
144	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	269
143	Numerical simulation of magnetic nanofluid natural convection in porous media. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2017**, 381, 494-503	2.3	298
142	Analytical investigation for Lorentz forces effect on nanofluid Marangoni boundary layer hydrothermal behavior using HAM. *Indian Journal of Physics*, **2017**, 91, 1581-1587	1.4	13
141	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	5.1	51
140	Effect of adding nanoparticle on squeezing flow and heat transfer improvement using KKL model. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2017**, 27, 1535-1553	4.5	15
139	Magnetic nanofluid natural convection in the presence of thermal radiation considering variable viscosity. *European Physical Journal Plus*, **2017**, 132, 1	3.1	46
138	Effect of melting heat transfer on nanofluid flow in existence of magnetic field considering Buongiorno Model. *Chinese Journal of Physics*, **2017**, 55, 1115-1126	3.5	96
137	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	190
136	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	9.3	68
135	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	5.7	201
134	Numerical analysis of nanofluid transportation in porous media under the influence of external magnetic source. *Journal of Molecular Liquids*, **2017**, 233, 499-507	6	70
133	Transportation of MHD nanofluid free convection in a porous semi annulus using numerical approach. *Chemical Physics Letters*, **2017**, 669, 202-210	2.5	72
132	Free convection of Fe3O4-water nanofluid under the influence of an external magnetic source. *Journal of Molecular Liquids*, **2017**, 229, 530-540	6	69
131	Numerical investigation of forced convective heat transfer of Fe3O4-water nanofluid in the presence of external magnetic source. *Computer Methods in Applied Mechanics and Engineering*, **2017**, 315, 831-845	5.7	53
130	Impact of electric field on nanofluid forced convection heat transfer with considering variable properties. *Journal of Molecular Liquids*, **2017**, 229, 566-573	6	60

129	Magnetic field influence on nanofluid thermal radiation in a cavity with tilted elliptic inner cylinder. *Journal of Molecular Liquids*, **2017**, 229, 137-147	6	241
128	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	6	58
127	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	6	46
126	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	3.5	44
125	MHD free convection of nanofluid in a cavity with sinusoidal walls by using CVFEM. *Chinese Journal of Physics*, **2017**, 55, 2291-2304	3.5	32
124	Combined thermophoresis and Brownian motion effects on nanofluid free convection heat transfer in an L-shaped enclosure. *Chinese Journal of Physics*, **2017**, 55, 2356-2370	3.5	34
123	CuO–Water Nanofluid Magnetohydrodynamic Natural Convection inside a Sinusoidal Annulus in Presence of Melting Heat Transfer. *Mathematical Problems in Engineering*, **2017**, 2017, 1-9	1.1	13
122	Nanofluid Flow and Heat Transfer in the Presence of Electric Field **2017**, 239-277		
121	Nanofluid Flow and Heat Transfer in the Presence of Constant Magnetic Field **2017**, 279-384		1
120	Nanofluid Conductive Heat Transfer in Solidification Mechanism **2017**, 445-474		
119	Nanofluid: Definition and Applications **2017**, 1-52		2
118	Nanofluid Natural Convection Heat Transfer **2017**, 53-125		
117	Nanofluid Forced Convection Heat Transfer **2017**, 127-193		1
116	Nanofluid Flow and Heat Transfer in the Presence of Thermal Radiation **2017**, 195-237		
115	Entropy Analysis on Electro-Kinetically Modulated Peristaltic Propulsion of Magnetized Nanofluid Flow through a Microchannel. *Entropy*, **2017**, 19, 481	2.8	63
114	Heat transfer of Fe3O4–water nanofluid in a permeable medium with thermal radiation in existence of constant heat flux. *Chemical Engineering Science*, **2017**, 174, 326-336	4.4	61
113	Influence of Lorentz forces on nanofluid flow in a porous cavity by means of non-Darcy model. *Engineering Computations*, **2017**, 34, 2651-2667	1.4	45
112	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	283

111	Analytical approach for the effect of melting heat transfer on nanofluid heat transfer. *European Physical Journal Plus*, **2017**, 132, 1	3.1	20
110	Numerical modeling of time-dependent bio-convective stagnation flow of a nanofluid in slip regime. *Results in Physics*, **2017**, 7, 3325-3332	3.7	30
109	Nanofluid heat transfer in a permeable enclosure in presence of variable magnetic field by means of CVFEM. *International Journal of Heat and Mass Transfer*, **2017**, 114, 1169-1180	4.9	117
108	Nanofluid convective heat transfer intensification in a porous circular cylinder. *Chemical Engineering and Processing: Process Intensification*, **2017**, 120, 93-104	3.7	59
107	Numerical modeling for Fe 3 O 4 -water nanofluid flow in porous medium considering MFD viscosity. *Journal of Molecular Liquids*, **2017**, 242, 255-264	6	62
106	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	2.3	65
105	Lattice Boltzmann method simulation for CuO-water nanofluid flow in a porous enclosure with hot obstacle. *Journal of Molecular Liquids*, **2017**, 243, 249-256	6	68
104	On simulation of nanofluid radiation and natural convection in an enclosure with elliptical cylinders. *International Journal of Heat and Mass Transfer*, **2017**, 115, 981-991	4.9	102
103	Influence of melting surface on MHD nanofluid flow by means of two phase model. *Chinese Journal of Physics*, **2017**, 55, 1352-1360	3.5	65
102	Convective flow of nanofluid inside a lid driven porous cavity using CVFEM. *Physica B: Condensed Matter*, **2017**, 521, 239-250	2.8	76
101	Magnetic field influence on CuOEH2O nanofluid convective flow in a permeable cavity considering various shapes for nanoparticles. *International Journal of Hydrogen Energy*, **2017**, 42, 19611-19621	6.7	194
100	Numerical investigation of MHD nanofluid free convective heat transfer in a porous tilted enclosure. *Engineering Computations*, **2017**, 34, 1939-1955	1.4	56
99	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	168
98	Numerical investigation of nanofluid transportation in a curved cavity in existence of magnetic source. *Chemical Physics Letters*, **2017**, 667, 307-316	2.5	63
97	Influence of Lorentz forces on nanofluid flow in a porous cylinder considering Darcy model. *Journal of Molecular Liquids*, **2017**, 225, 903-912	6	211
96	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	1.5	10
95	Influence of magnetic field on CuOEH2O nanofluid flow considering Marangoni boundary layer. *International Journal of Hydrogen Energy*, **2017**, 42, 2748-2755	6.7	71
94	CVFEM for free convective heat transfer of CuO-water nanofluid in a tilted semi annulus. *AEJ - Alexandria Engineering Journal*, **2017**, 56, 635-645	6.1	15

93	Nanofluid Flow and Heat Transfer in Porous Media **2017**, 475-526		1
92	Nanofluid Flow and Heat Transfer in the Presence of Variable Magnetic Field **2017**, 385-444		
91	NUMERICAL STUDY OF MHD NATURAL CONVECTION LIQUID METAL FLOW AND HEAT TRANSFER IN A WAVY ENCLOSURE USING CVFEM. *Heat Transfer Research*, **2017**, 48, 121-138	3.9	12
90	MHD effect on nanofluid with energy and hydrothermal behavior between two collateral plates: Application of new semi analytical technique. *Thermal Science*, **2017**, 21, 2081-2093	1.2	4
89	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	332
88	Steady nanofluid flow between parallel plates considering thermophoresis and Brownian effects. *Journal of King Saud University - Science*, **2016**, 28, 380-389	3.6	60
87	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	29
86	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	5.5	57
85	Discharging process expedition of NEPCM in fin-assisted Latent Heat Thermal Energy Storage System. *Journal of Molecular Liquids*, **2016**, 221, 833-841	6	38
84	Numerical analysis of discharging process acceleration in LHTESS by immersing innovative fin configuration using finite element method. *Applied Thermal Engineering*, **2016**, 107, 154-166	5.8	90
83	Effect of electric field on hydrothermal behavior of nanofluid in a complex geometry. *Journal of Molecular Liquids*, **2016**, 213, 153-161	6	146
82	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	2.3	163
81	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. *Numerical Heat Transfer; Part A: Applications*, **2016**, 69, 1186-1200	2.3	200
80	Effect of Lorentz forces on forced-convection nanofluid flow over a stretched surface. *Particuology*, **2016**, 26, 108-113	2.8	73
79	Analytical and numerical studies on heat transfer of a nanofluid over a stretching/shrinking sheet with second-order slip flow model **2016**, 11,		22
78	Analysis of turbulent MHD Couette nanofluid flow and heat transfer using hybrid DTM-FDM. *Particuology*, **2016**, 26, 95-101	2.8	29
77	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	5.8	27
76	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	2	51

75	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	3	51
74	The control volume finite element method: application for magnetohydrodynamic nanofluid hydrothermal behavior **2016**, 49-119		
73	Magnetohydrodynamic and ferrohydrodynamic **2016**, 1-47		15
72	Influence of Induced Magnetic Field on Free Convection of Nanofluid Considering Koo-Kleinstreuer-Li (KKL) Correlation. *Applied Sciences (Switzerland)*, **2016**, 6, 324	2.6	96
71	Lattice Boltzmann method: application for MHD nanofluid hydrothermal behavior **2016**, 191-261		1
70	New semianalytical methods: application for MHD nanofluid hydrothermal behavior **2016**, 121-190		
69	CVFEM for magnetic nanofluid convective heat transfer in a porous curved enclosure. *European Physical Journal Plus*, **2016**, 131, 1	3.1	144
68	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	10.6	54
67	Electrohydrodynamic nanofluid flow and forced convective heat transfer in a channel. *European Physical Journal Plus*, **2016**, 131, 1	3.1	19
66	Heat transfer improvement in a double pipe heat exchanger by means of perforated turbulators. *Energy Conversion and Management*, **2016**, 127, 112-123	10.6	110
65	Heat transfer enhancement in an air to water heat exchanger with discontinuous helical turbulators; experimental and numerical studies. *Energy*, **2016**, 116, 341-352	7.9	97
64	The influence of a magnetic field on the heat transfer of a magnetic nanofluid in a sinusoidal channel. *European Physical Journal Plus*, **2016**, 131, 1	3.1	25
63	Nanofluid hydrothermal behavior in existence of Lorentz forces considering Joule heating effect. *Journal of Molecular Liquids*, **2016**, 224, 526-537	6	124
62	CuOH2O nanofluid hydrothermal analysis in a complex shaped cavity. *International Journal of Hydrogen Energy*, **2016**, 41, 17837-17845	6.7	37
61	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	515
60	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	0.7	25
59	Effect of space dependent magnetic field on free convection of Fe3O4□water nanofluid. *Journal of the Taiwan Institute of Chemical Engineers*, **2015**, 56, 6-15	5.3	199
58	Review of heat transfer enhancement methods: Focus on passive methods using swirl flow devices. *Renewable and Sustainable Energy Reviews*, **2015**, 49, 444-469	16.2	263

57	. *IEEE Nanotechnology Magazine*, **2015**, 14, 561-569	2.6	171
56	Numerical investigation of nanofluid spraying on an inclined rotating disk for cooling process. *Journal of Molecular Liquids*, **2015**, 211, 577-583	6	110
55	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	2.8	23
54	Experimental study of the influence of perforated circular-ring on pressure loss and heat transfer enhancement using sensitivity analysis. *Applied Thermal Engineering*, **2015**, 91, 739-748	5.8	18
53	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	6	172
52	Fluid flow and heat transfer in an air-to-water double-pipe heat exchanger. *European Physical Journal Plus*, **2015**, 130, 1	3.1	19
51	Investigation of turbulent flow and heat transfer in an air to water double-pipe heat exchanger. *Neural Computing and Applications*, **2015**, 26, 941-947	4.8	16
50	Thermal management of double-pipe air to water heat exchanger. *Energy and Buildings*, **2015**, 88, 361-366	3.7	26
49	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	2	59
48	Nanofluid flow and heat transfer between parallel plates considering Brownian motion using DTM. *Computer Methods in Applied Mechanics and Engineering*, **2015**, 283, 651-663	5.7	265
47	Entropy generation of nanofluid in presence of magnetic field using Lattice Boltzmann Method. *Physica A: Statistical Mechanics and Its Applications*, **2015**, 417, 273-286	3.3	250
46	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	183
45	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	140
44	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	2.8	616
43	Numerical simulation of two phase unsteady nanofluid flow and heat transfer between parallel plates in presence of time dependent magnetic field. *Journal of the Taiwan Institute of Chemical Engineers*, **2015**, 46, 43-50	5.3	84
42	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	2	168
41	Electrohydrodynamic Nanofluid Hydrothermal Treatment in an Enclosure with Sinusoidal Upper Wall. *Applied Sciences (Switzerland)*, **2015**, 5, 294-306	2.6	141
40	Three-dimensional flow of nanofluid induced by an exponentially stretching sheet: an application to solar energy. *PLoS ONE*, **2015**, 10, e0116603	3.7	39

39	Numerical analysis of nanofluid flow conveying nanoparticles through expanding and contracting gaps between permeable walls. *Journal of Molecular Liquids*, **2015**, 212, 785-791	6	14
38	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	166
37	Thermal management for free convection of nanofluid using two phase model. *Journal of Molecular Liquids*, **2014**, 194, 179-187	6	108
36	Nanofluid flow and heat transfer in an asymmetric porous channel with expanding or contracting wall. *Journal of Molecular Liquids*, **2014**, 195, 230-239	6	102
35	Micropolar fluid flow and heat transfer in a permeable channel using analytical method. *Journal of Molecular Liquids*, **2014**, 194, 30-36	6	162
34	Numerical investigation for two phase modeling of nanofluid in a rotating system with permeable sheet. *Journal of Molecular Liquids*, **2014**, 194, 13-19	6	122
33	Three dimensional heat and mass transfer in a rotating system using nanofluid. *Powder Technology*, **2014**, 253, 789-796	5.2	175
32	Free convection of ferrofluid in a cavity heated from below in the presence of an external magnetic field. *Powder Technology*, **2014**, 256, 490-498	5.2	166
31	Nanofluid flow and heat transfer in a rotating system in the presence of a magnetic field. *Journal of Molecular Liquids*, **2014**, 190, 112-120	6	248
30	Heat flux boundary condition for nanofluid filled enclosure in presence of magnetic field. *Journal of Molecular Liquids*, **2014**, 193, 174-184	6	118
29	Ferrohydrodynamic and magnetohydrodynamic effects on ferrofluid flow and convective heat transfer. *Energy*, **2014**, 75, 400-410	7.9	338
28	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	2.8	67
27	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	120
26	Analytical investigation of MHD nanofluid flow in non-parallel walls. *Journal of Molecular Liquids*, **2014**, 194, 251-259	6	110
25	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		44
24	Numerical simulation of MHD nanofluid flow and heat transfer considering viscous dissipation. *International Journal of Heat and Mass Transfer*, **2014**, 79, 212-222	4.9	207
23	Simulation of MHD CuO water nanofluid flow and convective heat transfer considering Lorentz forces. *Journal of Magnetism and Magnetic Materials*, **2014**, 369, 69-80	2.8	295
22	MHD natural convection in a nanofluid filled inclined enclosure with sinusoidal wall using CVFEM. *Neural Computing and Applications*, **2014**, 24, 873-882	4.8	79

21	EFFECTS OF MAGNETOHYDRODYNAMICS ON PERISTALTIC FLOW OF JEFFREY FLUID IN A RECTANGULAR DUCT THROUGH A POROUS MEDIUM. *Journal of Porous Media*, **2014**, 17, 143-157	2.9	106
20	Effects of Heat Transfer in Flow of Nanofluids Over a Permeable Stretching Wall in a Porous Medium. *Journal of Computational and Theoretical Nanoscience*, **2014**, 11, 486-496	0.3	207
19	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	154
18	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	5.2	53
17	Effect of magnetic field on Cu–water nanofluid heat transfer using GMDH-type neural network. *Neural Computing and Applications*, **2014**, 25, 171-178	4.8	109
16	Investigation of the heat transfer of a non-Newtonian fluid flow in an axisymmetric channel with porous wall using Parameterized Perturbation Method (PPM). *Journal of the Franklin Institute*, **2014**, 351, 701-712	4	22
15	Two phase simulation of nanofluid flow and heat transfer using heatline analysis. *International Communications in Heat and Mass Transfer*, **2013**, 47, 73-81	5.8	143
14	Free convection of nanofluid filled enclosure using lattice Boltzmann method (LBM). *Applied Mathematics and Mechanics (English Edition)*, **2013**, 34, 833-846	3.2	94
13	Lattice Boltzmann simulation of natural convection heat transfer in an elliptical-triangular annulus. *International Communications in Heat and Mass Transfer*, **2013**, 48, 164-177	5.8	38
12	Numerical study of natural convection between a circular enclosure and a sinusoidal cylinder using control volume based finite element method. *International Journal of Thermal Sciences*, **2013**, 72, 147-158	4.1	100
11	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	4.1	184
10	Effect of a magnetic field on natural convection in an inclined half-annulus enclosure filled with Cu–water nanofluid using CVFEM. *Advanced Powder Technology*, **2013**, 24, 980-991	4.6	183
9	Investigation of squeezing unsteady nanofluid flow using ADM. *Powder Technology*, **2013**, 239, 259-265	5.2	244
8	Nanofluid flow and heat transfer due to a stretching cylinder in the presence of magnetic field. *Heat and Mass Transfer*, **2013**, 49, 427-436	2.2	146
7	Application of LBM in simulation of natural convection in a nanofluid filled square cavity with curve boundaries. *Powder Technology*, **2013**, 247, 87-94	5.2	127
6	Analytical investigation of MHD nanofluid flow in a semi-porous channel. *Powder Technology*, **2013**, 246, 327-336	5.2	211
5	Numerical Investigation of the Effect of Magnetic Field on Natural Convection in a Curved-Shape Enclosure. *Mathematical Problems in Engineering*, **2013**, 2013, 1-10	1.1	26
4	Investigation of heat and mass transfer of rotating MHD viscous flow between a stretching sheet and a porous surface. *Engineering Computations*, **2013**, 30, 357-378	1.4	15

3	Homotopy perturbation method for three-dimensional problem of condensation film on inclined rotating disk. *Scientia Iranica*, **2012**, 19, 437-442	1.5	96
2	Natural convection flow of a non-Newtonian nanofluid between two vertical flat plates. *Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems*, **2011**, 225, 115-122		22
1	Investigation of Rotating MHD Viscous Flow and Heat Transfer between Stretching and Porous Surfaces Using Analytical Method. *Mathematical Problems in Engineering*, **2011**, 2011, 1-17	1.1	56