

Mohammad Ghalambaz

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170
papers

4,906
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40
h-index

63
g-index

177
ext. papers

6,242
ext. citations

4.3
avg, IF

6.92
L-index

#	Paper	IF	Citations
170	Conjugate natural convection flow of AgMgO/water hybrid nanofluid in a square cavity. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 139, 2321-2336	4.1	174
169	Effect of partial slip boundary condition on the flow and heat transfer of nanofluids past stretching sheet prescribed constant wall temperature. <i>International Journal of Thermal Sciences</i> , 2012 , 54, 253-261	4.1	169
168	Natural convective flow and heat transfer of Nano-Encapsulated Phase Change Materials (NEPCMs) in a cavity. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 138, 738-749	4.9	163
167	Free convection of hybrid Al ₂ O ₃ -Cu water nanofluid in a differentially heated porous cavity. <i>Advanced Powder Technology</i> , 2017 , 28, 2295-2305	4.6	140
166	Effects of nanoparticles diameter and concentration on natural convection of the Al ₂ O ₃ /water nanofluids considering variable thermal conductivity around a vertical cone in porous media. <i>Advanced Powder Technology</i> , 2015 , 26, 224-235	4.6	122
165	Mixed convection flow caused by an oscillating cylinder in a square cavity filled with CuAl ₂ O ₃ /water hybrid nanofluid. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 137, 965-982	4.1	121
164	Phase-change heat transfer in a cavity heated from below: The effect of utilizing single or hybrid nanoparticles as additives. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 72, 104-115	5.3	117
163	Effects of heat sink and source and entropy generation on MHD mixed convection of a Cu-water nanofluid in a lid-driven square porous enclosure with partial slip. <i>Physics of Fluids</i> , 2017 , 29, 052001	4.4	115
162	Theoretical analysis of natural convection boundary layer heat and mass transfer of nanofluids: Effects of size, shape and type of nanoparticles, type of base fluid and working temperature. <i>Advanced Powder Technology</i> , 2015 , 26, 935-946	4.6	115
161	Phase-change heat transfer of single/hybrid nanoparticles-enhanced phase-change materials over a heated horizontal cylinder confined in a square cavity. <i>Advanced Powder Technology</i> , 2017 , 28, 385-397	4.6	110
160	Entropy analysis for nanofluid flow over a stretching sheet in the presence of heat generation/absorption and partial slip. <i>Journal of Mechanical Science and Technology</i> , 2013 , 27, 927-937	1.6	103
159	Free convection heat transfer analysis of a suspension of nano-encapsulated phase change materials (NEPCMs) in an inclined porous cavity. <i>International Journal of Thermal Sciences</i> , 2020 , 157, 106503	4.1	92
158	Numerical study on natural convection of AgMgO hybrid/water nanofluid inside a porous enclosure: A local thermal non-equilibrium model. <i>Powder Technology</i> , 2020 , 367, 443-455	5.2	92
157	Mixed convection boundary layer flow and heat transfer over a vertical plate embedded in a porous medium filled with a suspension of nano-encapsulated phase change materials. <i>Journal of Molecular Liquids</i> , 2019 , 293, 111432	6	88
156	Melting of nanoparticles-enhanced phase-change materials in an enclosure: Effect of hybrid nanoparticles. <i>International Journal of Mechanical Sciences</i> , 2017 , 134, 85-97	5.5	86
155	Local thermal non-equilibrium analysis of conjugate free convection within a porous enclosure occupied with AgMgO hybrid nanofluid. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 135, 1381-1398	4.1	86
154	Natural convection flow of a suspension containing nano-encapsulated phase change particles in an eccentric annulus. <i>Journal of Energy Storage</i> , 2020 , 28, 101236	7.8	81

153	Free convection in a parallelogrammic porous cavity filled with a nanofluid using Tiwari and Das' nanofluid model. <i>PLoS ONE</i> , 2015 , 10, e0126486	3.7	78
152	MHD natural convection of CuAl ₂ O ₃ water hybrid nanofluids in a cavity equally divided into two parts by a vertical flexible partition membrane. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 138, 1723-1743	4.1	77
151	Time periodic natural convection heat transfer in a nano-encapsulated phase-change suspension. <i>International Journal of Mechanical Sciences</i> , 2020 , 166, 105243	5.5	77
150	Fluid-structure interaction study of natural convection heat transfer over a flexible oscillating fin in a square cavity. <i>International Journal of Thermal Sciences</i> , 2017 , 111, 256-273	4.1	76
149	Analysis of melting behavior of PCMs in a cavity subject to a non-uniform magnetic field using a moving grid technique. <i>Applied Mathematical Modelling</i> , 2020 , 77, 1936-1953	4.5	75
148	Conjugate solid-liquid phase change heat transfer in heatsink filled with phase change material-metal foam. <i>International Journal of Heat and Mass Transfer</i> , 2020 , 146, 118832	4.9	74
147	Unsteady natural convection flow of a suspension comprising Nano-Encapsulated Phase Change Materials (NEPCMs) in a porous medium. <i>Advanced Powder Technology</i> , 2020 , 31, 954-966	4.6	69
146	Fluid-structure interaction analysis of entropy generation and mixed convection inside a cavity with flexible right wall and heated rotating cylinder. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 140, 331-345	4.9	64
145	Local thermal nonequilibrium conjugate natural convection heat transfer of nanofluids in a cavity partially filled with porous media using Buongiorno's model. <i>Numerical Heat Transfer; Part A: Applications</i> , 2018 , 73, 254-276	2.3	62
144	Forecasting future oil demand in Iran using GSA (Gravitational Search Algorithm). <i>Energy</i> , 2011 , 36, 5649-5654	5.54	61
143	Forced convection heat transfer of Nano-Encapsulated Phase Change Material (NEPCM) suspension in a mini-channel heatsink. <i>International Journal of Heat and Mass Transfer</i> , 2020 , 155, 119858	4.9	57
142	Conjugate natural convection of nanofluids inside an enclosure filled by three layers of solid, porous medium and free nanofluid using Buongiorno's and local thermal non-equilibrium models. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 135, 1047-1067	4.1	57
141	Natural convection of nanofluids in a cavity: criteria for enhancement of nanofluids. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2017 , 27, 1504-1534	4.5	55
140	Analysis of fluid-solid interaction in MHD natural convection in a square cavity equally partitioned by a vertical flexible membrane. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 424, 161-173	2.8	53
139	Free convective melting-solidification heat transfer of nano-encapsulated phase change particles suspensions inside a coaxial pipe. <i>Advanced Powder Technology</i> , 2020 , 31, 4470-4481	4.6	46
138	MHD phase change heat transfer in an inclined enclosure: Effect of a magnetic field and cavity inclination. <i>Numerical Heat Transfer; Part A: Applications</i> , 2017 , 71, 91-109	2.3	44
137	Free convection in a square cavity filled by a porous medium saturated by a nanofluid: Viscous dissipation and radiation effects 2016 , 19, 1244-1253		43
136	Fluid-structure interaction in natural convection heat transfer in an oblique cavity with a flexible oscillating fin and partial heating. <i>Applied Thermal Engineering</i> , 2018 , 145, 80-97	5.8	42

135	Melting heat transfer of power-law non-Newtonian phase change nano-enhanced n-octadecane-mesoporous silica (MPSiO ₂). <i>International Journal of Heat and Mass Transfer</i> , 2020 , 151, 119385	4.9	41
134	Natural-Convection Flow of Nanofluids Over Vertical Cone Embedded in Non-Darcy Porous Media. <i>Journal of Thermophysics and Heat Transfer</i> , 2013 , 27, 334-341	1.3	41
133	Flow and heat transfer of nanofluids over stretching sheet taking into account partial slip and thermal convective boundary conditions. <i>Heat and Mass Transfer</i> , 2013 , 49, 1357-1366	2.2	40
132	Stagnation-point heat transfer of nanofluids toward stretching sheets with variable thermo-physical properties. <i>Advanced Powder Technology</i> , 2015 , 26, 819-829	4.6	40
131	Fluid-Solid interaction in natural convection heat transfer in a square cavity with a perfectly thermal-conductive flexible diagonal partition. <i>International Journal of Heat and Mass Transfer</i> , 2016 , 100, 303-319	4.9	40
130	Natural-convection heat and mass transfer from a vertical cone in porous media filled with nanofluids using the practical ranges of nanofluids thermo-physical properties. <i>Chemical Engineering Research and Design</i> , 2014 , 92, 447-452	5.5	39
129	Thermal Non-Equilibrium Heat Transfer Modeling of Hybrid Nanofluids in a Structure Composed of the Layers of Solid and Porous Media and Free Nanofluids. <i>Energies</i> , 2019 , 12, 541	3.1	39
128	Natural convection of a nanofluid in an enclosure with an inclined local thermal non-equilibrium porous fin considering Buongiorno's model. <i>Numerical Heat Transfer; Part A: Applications</i> , 2016 , 70, 432-443	4.3	38
127	Mixed convection and stability analysis of stagnation-point boundary layer flow and heat transfer of hybrid nanofluids over a vertical plate. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019 , 30, 3737-3754	4.5	38
126	Natural convection of nanofluid over vertical plate embedded in porous medium: prescribed surface heat flux. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2013 , 34, 669-686	3.2	35
125	Free convection in a square porous cavity filled with a nanofluid using thermal non equilibrium and Buongiorno models. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2016 , 26, 671-693	4.5	35
124	Free convection heat transfer of MgO-MWCNTs/EG hybrid nanofluid in a porous complex shaped cavity with MHD and thermal radiation effects. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019 , 29, 4349-4376	4.5	34
123	Analyze of fluid flow and heat transfer of nanofluids over a stretching sheet near the extrusion slit. <i>Computers and Fluids</i> , 2014 , 100, 227-236	2.8	33
122	Effects of Variable Viscosity and Thermal conductivity on Natural-Convection of Nanofluids Past a Vertical Plate in Porous Media. <i>Journal of Mechanics</i> , 2014 , 30, 265-275	1	33
121	A new approach to the electrostatic pull-in instability of nanocantilever actuators using the ADM method technique. <i>Computers and Mathematics With Applications</i> , 2012 , 64, 2806-2815	2.7	33
120	Impact of two-phase hybrid nanofluid approach on mixed convection inside wavy lid-driven cavity having localized solid block. <i>Journal of Advanced Research</i> , 2021 , 30, 63-74	13	33
119	Influence of size effect and elastic boundary condition on the pull-in instability of nano-scale cantilever beams immersed in liquid electrolytes. <i>International Journal of Non-Linear Mechanics</i> , 2013 , 52, 73-84	2.8	32
118	Heat Transfer of Magnetohydrodynamic Viscous Nanofluids over an Isothermal Stretching Sheet. <i>Journal of Thermophysics and Heat Transfer</i> , 2012 , 26, 686-689	1.3	30

117	Melting behavior of phase change materials in the presence of a non-uniform magnetic-field due to two variable magnetic sources. <i>International Journal of Heat and Mass Transfer</i> , 2020 , 149, 119184	4.9	30
116	Role of Rotating Cylinder toward Mixed Convection inside a Wavy Heated Cavity via Two-Phase Nanofluid Concept. <i>Nanomaterials</i> , 2020 , 10,	5.4	29
115	Hybrid thermal performance enhancement of a circular latent heat storage system by utilizing partially filled copper foam and Cu/GO nano-additives. <i>Energy</i> , 2020 , 213, 118761	7.9	29
114	Mixed convection heat transfer by nanofluids in a cavity with two oscillating flexible fins: A fluid-structure interaction approach. <i>Applied Mathematical Modelling</i> , 2020 , 82, 72-90	4.5	27
113	Conjugate local thermal non-equilibrium heat transfer in a cavity filled with a porous medium: Analysis of the element location. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 138, 941-960	4.9	26
112	Phase change heat transfer in an L-shape heatsink occupied with paraffin-copper metal foam. <i>Applied Thermal Engineering</i> , 2020 , 177, 115493	5.8	26
111	Effect of nanoparticle shape on the performance of thermal systems utilizing nanofluids: A critical review. <i>Journal of Molecular Liquids</i> , 2021 , 321, 114430	6	26
110	Natural convection of nanofluids over a convectively heated vertical plate embedded in a porous medium. <i>Brazilian Journal of Chemical Engineering</i> , 2014 , 31, 413-427	1.7	25
109	Location impact of a pair of magnetic sources on melting of a magneto-Ferro phase change substance. <i>Chinese Journal of Physics</i> , 2020 , 65, 377-388	3.5	23
108	Entropy Generation and Natural Convection Flow of Hybrid Nanofluids in a Partially Divided Wavy Cavity Including Solid Blocks. <i>Energies</i> , 2020 , 13, 2942	3.1	23
107	Study of thermal and hydrodynamic characteristics of water-nano-encapsulated phase change particles suspension in an annulus of a porous eccentric horizontal cylinder. <i>International Journal of Heat and Mass Transfer</i> , 2020 , 156, 119792	4.9	23
106	Conjugate Phase Change Heat Transfer in an Inclined Compound Cavity Partially Filled with a Porous Medium: A Deformed Mesh Approach. <i>Transport in Porous Media</i> , 2020 , 132, 657-681	3.1	22
105	Insight into the dynamics of ferrohydrodynamic (FHD) and magnetohydrodynamic (MHD) nanofluids inside a hexagonal cavity in the presence of a non-uniform magnetic field. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 497, 166024	2.8	21
104	Experimental and numerical study on convective boiling in a staggered array of micro pin-fin microgap. <i>International Journal of Heat and Mass Transfer</i> , 2020 , 149, 119203	4.9	21
103	Pseudoplastic natural convection flow and heat transfer in a cylindrical vertical cavity partially filled with a porous layer. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019 , 30, 1096-1114	4.5	21
102	Experimental study on fluid flow and heat transfer characteristics of falling film over tube bundle. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 130, 9-24	4.9	21
101	Unsteady conjugate natural convection in a porous cavity boarded by two vertical finite thickness walls. <i>International Communications in Heat and Mass Transfer</i> , 2017 , 81, 218-228	5.8	20
100	MHD natural convection phase-change heat transfer in a cavity: analysis of the magnetic field effect. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2017 , 39, 2831-2846	2	20

99	Natural Convection Boundary Layer Flow over a Horizontal Plate Embedded in a Porous Medium Saturated with a Nanofluid: Case of Variable Thermophysical Properties. <i>Transport in Porous Media</i> , 2015 , 107, 153-170	3.1	20
98	Study of the boundary layer heat transfer of nanofluids over a stretching sheet: Passive control of nanoparticles at the surface. <i>Canadian Journal of Physics</i> , 2015 , 93, 725-733	1.1	20
97	Thermo-hydrodynamic and entropy generation analysis of a dilute aqueous suspension enhanced with nano-encapsulated phase change material. <i>International Journal of Mechanical Sciences</i> , 2020 , 178, 105609	5.5	20
96	A phase change/metal foam heatsink for thermal management of battery packs. <i>International Journal of Thermal Sciences</i> , 2020 , 157, 106514	4.1	19
95	Free convection in a trapezoidal enclosure divided by a flexible partition. <i>International Journal of Heat and Mass Transfer</i> , 2020 , 149, 119186	4.9	19
94	Convective heat transfer of nano-encapsulated phase change material suspension in a divergent minichannel heatsink. <i>International Journal of Heat and Mass Transfer</i> , 2021 , 165, 120717	4.9	19
93	Fluid-structure interaction analysis of free convection in an inclined square cavity partitioned by a flexible impermeable membrane with sinusoidal temperature heating. <i>Meccanica</i> , 2017 , 52, 2685-2703	2.1	18
92	Experimental study on convective boiling flow and heat transfer in a microgap enhanced with a staggered arrangement of nucleated micro-pin-fins. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 144, 118653	4.9	18
91	Transient cooling characteristics of Al ₂ O ₃ -water nanofluid flow in a microchannel subject to a sudden-pulsed heat flux. <i>International Journal of Mechanical Sciences</i> , 2019 , 151, 95-105	5.5	18
90	Consecutive charging and discharging of a PCM-based plate heat exchanger with zigzag configuration. <i>Applied Thermal Engineering</i> , 2021 , 193, 116970	5.8	17
89	UNSTEADY FREE CONVECTION IN A SQUARE POROUS CAVITY SATURATED WITH NANOFUID: THE CASE OF LOCAL THERMAL NONEQUILIBRIUM AND BUONGIORNO'S MATHEMATICAL MODELS. <i>Journal of Porous Media</i> , 2017 , 20, 999-1016	2.9	16
88	Numerical study of melting-process of a non-Newtonian fluid inside a metal foam. <i>AEJ - Alexandria Engineering Journal</i> , 2020 , 59, 191-207	6.1	16
87	Intensifying the Charging Response of a Phase-Change Material with Twisted Fin Arrays in a Shell-And-Tube Storage System. <i>Energies</i> , 2021 , 14, 1619	3.1	16
86	Experimental study on convective boiling of micro-pin-finned channels with parallel arrangement fins for FC-72 dielectric fluid. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 138, 390-400	4.9	15
85	Impact of particles tracking model of nanofluid on forced convection heat transfer within a wavy horizontal channel. <i>International Communications in Heat and Mass Transfer</i> , 2021 , 122, 105176	5.8	15
84	Experimental study of boiling heat transfer in a microchannel with nucleated-shape columnar micro-pin-fins. <i>International Communications in Heat and Mass Transfer</i> , 2019 , 108, 104277	5.8	14
83	An Analysis of Wind Speed Prediction Using Artificial Neural Networks: A Case Study in Manjil, Iran. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2012 , 34, 636-644	1.6	14
82	Non-Newtonian behavior of an electrical and magnetizable phase change material in a filled enclosure in the presence of a non-uniform magnetic field. <i>International Communications in Heat and Mass Transfer</i> , 2020 , 110, 104437	5.8	14

81	Using deep learning to learn physics of conduction heat transfer. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 146, 1435	4.1	14
80	Natural convection in a triangular cavity filled with a nanofluid-saturated porous medium using three heat equation model. <i>Canadian Journal of Physics</i> , 2016 , 94, 604-615	1.1	14
79	Fluid-structure interaction analysis of transient convection heat transfer in a cavity containing inner solid cylinder and flexible right wall. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019 , 29, 3756-3780	4.5	14
78	Free convection of a suspension containing nano-encapsulated phase change material in a porous cavity; local thermal non-equilibrium model. <i>Heliyon</i> , 2020 , 6, e03823	3.6	13
77	Impacts of Non-Uniform Border Temperature Variations on Time-Dependent Nanofluid Free Convection within a Trapezium: Buongiorno's Nanofluid Model. <i>Energies</i> , 2019 , 12, 1461	3.1	12
76	Localized heating element distribution in composite metal foam-phase change material: Fourier's law and creeping flow effects. <i>International Journal of Energy Research</i> , 2021 , 45, 13380-13396	4.5	12
75	Fluid-structure interaction of free convection in a square cavity divided by a flexible membrane and subjected to sinusoidal temperature heating. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019 , 30, 2883-2911	4.5	11
74	Non-Newtonian phase-change heat transfer of nano-enhanced octadecane with mesoporous silica particles in a tilted enclosure using a deformed mesh technique. <i>Applied Mathematical Modelling</i> , 2020 , 85, 318-337	4.5	11
73	Fluid-structure interaction of a hot flexible thin plate inside an enclosure. <i>International Journal of Thermal Sciences</i> , 2020 , 153, 106340	4.1	11
72	Effect of Twisted Fin Array in a Triple-Tube Latent Heat Storage System during the Charging Mode. <i>Sustainability</i> , 2021 , 13, 2685	3.6	11
71	Melting process of the nano-enhanced phase change material (NePCM) in an optimized design of shell and tube thermal energy storage (TES): Taguchi optimization approach. <i>Applied Thermal Engineering</i> , 2021 , 193, 116945	5.8	11
70	Impacts of the flexibility of a thin heater plate on the natural convection heat transfer. <i>International Journal of Thermal Sciences</i> , 2019 , 145, 106001	4.1	10
69	Free convection flow and heat transfer of nanofluids in a cavity with conjugate solid triangular blocks: Employing Buongiorno's mathematical model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020 , 538, 122826	3.3	10
68	Latest developments in nanofluid flow and heat transfer between parallel surfaces: A critical review. <i>Advances in Colloid and Interface Science</i> , 2021 , 294, 102450	14.3	10
67	Controlling the natural convection flow through a flexible baffle in an L-shaped enclosure. <i>Meccanica</i> , 2020 , 55, 1561-1584	2.1	9
66	Optimization of pulse current on energy storage of zinc-air flow batteries. <i>Journal of Power Sources</i> , 2019 , 442, 227253	8.9	9
65	Competition of natural convection and thermal creep in a square enclosure. <i>Physics of Fluids</i> , 2020 , 32, 102001	4.4	9
64	Paraffin core-polymer shell micro-encapsulated phase change materials and expanded graphite particles as an enhanced energy storage medium in heat exchangers. <i>Advanced Powder Technology</i> , 2020 , 31, 2421-2429	4.6	9

63	Controlling the natural convection of a non-Newtonian fluid using a flexible fin. <i>Applied Mathematical Modelling</i> , 2021 , 92, 669-686	4.5	9
62	Simultaneous and consecutive charging and discharging of a PCM-based domestic air heater with metal foam. <i>Applied Thermal Engineering</i> , 2021 , 197, 117408	5.8	9
61	Phase Change Process in a Zigzag Plate Latent Heat Storage System during Melting and Solidification. <i>Molecules</i> , 2020 , 25,	4.8	8
60	A new power series solution on the electrostatic pull-in instability of nano cantilever actuators. <i>Procedia Engineering</i> , 2011 , 10, 3708-3716		8
59	Fluid-structure interaction analysis of buoyancy-driven fluid and heat transfer through an enclosure with a flexible thin partition. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2018 , 28, 2072-2088	4.5	8
58	Boundary layer flow heat and mass transfer study of Sakiadis flow of viscoelastic nanofluids using hybrid neural network-particle swarm optimization (HNNPSO). <i>Thermal Science and Engineering Progress</i> , 2017 , 4, 150-159	3.6	7
57	Irreversibility analysis of thermally driven flow of a water-based suspension with dispersed nano-sized capsules of phase change material. <i>International Journal of Heat and Mass Transfer</i> , 2020 , 155, 119796	4.9	7
56	Nonlinear oscillation of nanoelectro-mechanical resonators using energy balance method: considering the size effect and the van der Waals force. <i>Applied Nanoscience (Switzerland)</i> , 2016 , 6, 309-317	3.3	7
55	Balance dielectric layer for micro electrostatic switches in the presence of capillary effect. <i>International Journal of Mechanical Sciences</i> , 2013 , 74, 83-90	5.5	7
54	Free Convection in a Square Cavity Filled with a Tridisperse Porous Medium. <i>Transport in Porous Media</i> , 2017 , 116, 379-392	3.1	7
53	Thermal and hydrodynamic behavior of suspensions comprising nano-encapsulated phase change materials in a porous enclosure. <i>International Communications in Heat and Mass Transfer</i> , 2020 , 116, 104634	5.8	7
52	Melting heat transfer of a non-Newtonian phase change material in a cylindrical vertical-cavity partially filled porous media. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019 , 30, 3765-3789	4.5	7
51	Integral treatment for forced convection heat and mass transfer of nanofluids over linear stretching sheet. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2015 , 36, 337-352	3.2	6
50	A new solution on the buckling and stable length of multi wall carbon nanotube probes near graphite sheets. <i>Procedia Engineering</i> , 2011 , 10, 3725-3733		6
49	Transient phase change heat transfer in a metal foam-phase change material heatsink subject to a pulse heat flux. <i>Journal of Energy Storage</i> , 2020 , 31, 101701	7.8	6
48	Natural convection of nanoencapsulated phase change suspensions inside a local thermal non-equilibrium porous annulus. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 141, 1801-1816	4.1	6
47	Cooling performance of Al ₂ O ₃ -water nanofluid flow in a minichannel with thermal buoyancy and wall conduction effects. <i>Case Studies in Thermal Engineering</i> , 2018 , 12, 833-842	5.6	6
46	Optimization of the zinc oxide reduction in the charging process of zinc-air flow batteries. <i>International Journal of Energy Research</i> , 2020 , 44, 8399-8412	4.5	6

45	Pull-in instability of electrostatic doubly clamped nano actuators: Introduction of a balanced liquid layer (BLL). <i>International Journal of Non-Linear Mechanics</i> , 2014 , 58, 128-138	2.8	5
44	Effects of flexible fin on natural convection in enclosure partially-filled with porous medium?. <i>AEJ - Alexandria Engineering Journal</i> , 2020 , 59, 3515-3529	6.1	5
43	Natural convection from a bottom heated of an asymmetrical U-shaped enclosure with nano-encapsulated phase change material. <i>Journal of Energy Storage</i> , 2021 , 38, 102538	7.8	5
42	Optimum Placement of Heating Tubes in a Multi-Tube Latent Heat Thermal Energy Storage. <i>Materials</i> , 2021 , 14,	3.5	5
41	Numerical Modeling and Investigation of Amperometric Biosensors with Perforated Membranes. <i>Sensors</i> , 2020 , 20,	3.8	4
40	Local thermal nonequilibrium conjugate natural convection of nano-encapsulated phase change particles in a partially porous enclosure. <i>Mathematical Methods in the Applied Sciences</i> , 2020 ,	2.3	4
39	Study of paraffin-based composite-phase change materials for a shell and tube energy storage system: A mesh adaptation approach. <i>Applied Thermal Engineering</i> , 2021 , 190, 116793	5.8	4
38	A new analytic solution for buckling of doubly clamped nano-actuators with integro differential governing equation using DuanBach Adomian decomposition method. <i>Applied Mathematical Modelling</i> , 2016 , 40, 7293-7302	4.5	4
37	Effects of reformate on performance of PBI/H3PO4 proton exchange membrane fuel cell stack. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 15346-15357	6.7	4
36	Effects of operating parameters and load mode on dynamic cell performance of proton exchange membrane fuel cell. <i>International Journal of Energy Research</i> , 2021 , 45, 2474-2487	4.5	4
35	Heat and mass transfer of evaporative cooler with elliptic tube heat exchangers- an experimental study. <i>International Communications in Heat and Mass Transfer</i> , 2021 , 127, 105502	5.8	4
34	Charging optimization of multi-tube latent heat storage comprising composite aluminum foam/nano-enhanced coconut oil. <i>International Journal of Heat and Mass Transfer</i> , 2021 , 180, 121757	4.9	4
33	Electromagnetic field analysis and cooling system design for high power switched reluctance motor. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019 , 29, 1756-1785	4.5	3
32	Free convective heat transfer of a non-Newtonian fluid in a cavity containing a thin flexible heater plate: an EulerianLagrangian approach. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 1	4.1	3
31	Convection Heat Transfer in 3D Wavy Direct Absorber Solar Collector Based on Two-Phase Nanofluid Approach. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 7265	2.6	3
30	Energy transport of wavy non-homogeneous hybrid nanofluid cavity partially filled with porous LTNE layer. <i>Journal of Petroleum Science and Engineering</i> , 2022 , 208, 109655	4.4	3
29	Evaluation of the Melting Performance in a Conical Latent Heat Thermal Unit Having Variable Length Fins. <i>Sustainability</i> , 2021 , 13, 2667	3.6	3
28	Impact of Tube Bundle Placement on the Thermal Charging of a Latent Heat Storage Unit. <i>Energies</i> , 2021 , 14, 1289	3.1	3

27	Effect of Dielectric-Layer on the Stress Field of Micro Cantilever Beams at the Onset of Pull-In Instability. <i>Journal of Mechanics</i> , 2014 , 30, 49-56	1	2
26	A Deflection of Nano-Cantilevers Using Monotone Solution. <i>Procedia Engineering</i> , 2011 , 10, 3717-3724		2
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