Saman Rashidi

List of Publications by Year in descending order

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150 papers	7,048 citations	44042 48 h-index	69214 77 g-index
150 all docs	150 docs citations	150 times ranked	3458 citing authors

#	Article	IF	Citations
1	A Comparative Study on the Effects of Channel Divergence and Convergence on the Performance of Two-Layer Microchannels. Experimental Techniques, 2023, 47, 109-122.	0.9	5
2	Classifications of Porous Materials for Energy Applications. , 2022, , 774-785.		8
3	Cooling characteristics and entropy production of nanofluid flowing through tube. AEJ - Alexandria Engineering Journal, 2022, 61, 427-441.	3.4	7
4	Progress and challenges on the thermal management of electrochemical energy conversion and storage technologies: Fuel cells, electrolysers, and supercapacitors. Progress in Energy and Combustion Science, 2022, 88, 100966.	15.8	108
5	Efficacy of turbulent convective heat transfer in a circular tube with water-based nanoemulsion of nâ€“Eicosaneâ€“An experimental study. International Journal of Heat and Mass Transfer, 2022, 183, 122062.	2.5	7
6	Performance analysis for single slope solar still enhanced with multi-shaped floating porous absorber. Sustainable Energy Technologies and Assessments, 2022, 50, 101854.	1.7	17
7	Effects of nano-dust particles on heat transfer from multiple jets impinging on a flat plate. Journal of Thermal Analysis and Calorimetry, 2022, 147, 9853-9864.	2.0	4
8	A review on solar-powered cooling systems coupled with parabolic dish collector and linear Fresnel reflector. Environmental Science and Pollution Research, 2022, 29, 42616-42646.	2.7	17
9	Experimental study on cooling performance of water-based hybrid nanofluid with PCM and graphene nanoparticles. Case Studies in Thermal Engineering, 2022, 33, 101939.	2.8	12
10	Potentials of porous materials for temperature control of lithium-ion batteries. Journal of Energy Storage, 2022, 51, 104457.	3.9	10
11	Evaporative heat transfer of R410A flow in an annular duct under oscillatory wall heat flux. International Journal of Heat and Mass Transfer, 2022, 191, 122841.	2.5	3
12	Experimental study on performance measurement of planar vacuum membrane dehumidifier with serpentine flow channel designs. AEJ - Alexandria Engineering Journal, 2022, 61, 10701-10711.	3.4	2
13	Capacity and strategies of energy production from renewable sources in Arab countries until 2030: a review from renewable energy potentials to environmental issues. Environmental Science and Pollution Research, 2022, 29, 47837-47866.	2.7	13
14	On thermal management of pouch type lithium-ion batteries by novel designs of wavy minichannel cold plates: Comparison of co-flow with counter-flow. Journal of Energy Storage, 2022, 52, 104819.	3.9	26
15	Effects of convergence and superhydrophobicity on the hydrothermal features of the tapered double-layer microchannel. International Journal of Thermal Sciences, 2022, 181, 107745.	2.6	9
16	Modeling of soiling losses in solar energy systems. Sustainable Energy Technologies and Assessments, 2022, 53, 102435.	1.7	8
17	Potentials of boiling heat transfer in advanced thermal energy systems. Journal of Thermal Analysis and Calorimetry, 2021, 143, 1833-1854.	2.0	11
18	Fundamental and subphenomena of boiling heat transfer. Journal of Thermal Analysis and Calorimetry, 2021, 143, 1815-1832.	2.0	13

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19	Abilities of porous materials for energy saving in advanced thermal systems. Journal of Thermal Analysis and Calorimetry, 2021, 143, 2437-2452.	2.0	25
20	Numerical simulations of a Cuâ€“water nanofluid-based parabolic-trough solar collector. Journal of Thermal Analysis and Calorimetry, 2021, 143, 4183-4195.	2.0	33
21	Smart computing approach for design and scale-up of conical spouted beds with open-sided draft tubes. Particuology, 2021, 55, 179-190.	2.0	42
22	An efficient pulsed- spray water cooling system for photovoltaic panels: Experimental study and cost analysis. Renewable Energy, 2021, 164, 867-875.	4.3	78
23	Heat transfer intensification in microchannel by induced-charge electrokinetic phenomenon: a numerical study. Journal of Thermal Analysis and Calorimetry, 2021, 145, 1849-1861.	2.0	2
24	Experimental study on thermophysical properties of water-based nanoemulsion of n-eicosane PCM. Journal of Molecular Liquids, 2021, 321, 114760.	2.3	29
25	Effects of grains shapes of porous media on combustion onsetâ€”A numerical simulation using Lattice Boltzmann method. Computers and Mathematics With Applications, 2021, 81, 547-561.	1.4	12
26	Applications of nanofluids in thermal energy transport. , 2021, , 345-368.		3
27	An entropy production analysis for electroosmotic flow and convective heat transfer: a numerical investigation. Journal of Thermal Analysis and Calorimetry, 2021, 145, 1877-1889.	2.0	4
28	Experimental study on cooling performance of nanofluid flow in a horizontal circular tube. International Journal of Heat and Mass Transfer, 2021, 169, 120961.	2.5	24
29	Progress and challenges of helical-shaped geothermal heat exchangers. Environmental Science and Pollution Research, 2021, 28, 28965-28992.	2.7	6
30	On the forced convective flow inside thermal collectors enhanced by porous media: from macro to micro-channels. International Journal of Numerical Methods for Heat and Fluid Flow, 2021, 31, 2462-2483.	1.6	11
31	An investigation on the thermal energy storage in an enclosure packed with micro-encapsulated phase change material. Case Studies in Thermal Engineering, 2021, 25, 100987.	2.8	10
32	Assessment of solar chimney combined with phase change materials. Journal of the Taiwan Institute of Chemical Engineers, 2021, 124, 341-350.	2.7	23
33	Thermal efficiency of flat plate thermosyphon solar water heater with nanofluids. Journal of the Taiwan Institute of Chemical Engineers, 2021, 128, 276-287.	2.7	21
34	Potentials of magnetic shape memory alloys for energy harvesting. Journal of Magnetism and Magnetic Materials, 2021, 537, 168112.	1.0	11
35	An advanced turbulator with blades and semi-conical section for heat transfer improvement in a helical double tube heat exchanger. Journal of Central South University, 2021, 28, 3491-3506.	1.2	3
36	The optimum position of porous insert for a double-pipe heat exchanger based on entropy generation and thermal analysis. Journal of Thermal Analysis and Calorimetry, 2020, 139, 411-426.	2.0	33

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37	Nanofluid heat transfer and entropy generation inside a triangular duct equipped with delta winglet vortex generators. Journal of Thermal Analysis and Calorimetry, 2020, 140, 1045-1055.	2.0	22
38	A review on potentials of coupling PCM storage modules to heat pipes and heat pumps. Journal of Thermal Analysis and Calorimetry, 2020, 140, 1655-1713.	2.0	36
39	Second law analysis for nanofluid flow in mini-channel heat sink with finned surface: a study on fin geometries. Journal of Thermal Analysis and Calorimetry, 2020, 140, 1883-1895.	2.0	21
40	Effects of flexibility of conductive plate on efficiency of an induced-charge electrokinetic micro-mixer under constant and time-varying electric fields-A comprehensive parametric study. Chemical Engineering Science, 2020, 212, 115335.	1.9	12
41	A comprehensive geometrical study on an induced-charge electrokinetic micromixer equipped with electrically conductive plates. International Journal of Heat and Mass Transfer, 2020, 146, 118892.	2.5	21
42	Water-based nano-PCM emulsion flow and heat transfer in divergent mini-channel heat sinkâ€"An experimental investigation. International Journal of Heat and Mass Transfer, 2020, 148, 119086.	2.5	19
43	Combination of a solar collector and thermoelectric cooling modules in a humidificationâ€"dehumidification desalination system-experimental investigation with energy, exergy, exergoeconomic and environmental analysis. Energy Conversion and Management, 2020, 225, 113440.	4.4	46
44	Numerical study on heat and mass transfer performance of the planar membrane-based humidifier for PEMFC. International Journal of Heat and Mass Transfer, 2020, 157, 119918.	2.5	19
45	Numerical study on forced convection of water-based suspensions of nanoencapsulated PCM particles/Al2O3 nanoparticles in a mini-channel heat sink. International Journal of Heat and Mass Transfer, 2020, 157, 119965.	2.5	37
46	Passive techniques to enhance heat transfer in various thermal systems. Journal of Thermal Analysis and Calorimetry, 2020, 140, 875-878.	2.0	9
47	Numerical study on convective heat transfer of nanofluid in a minichannel heat sink with micro-encapsulated PCM-cooled ceiling. International Journal of Heat and Mass Transfer, 2020, 153, 119589.	2.5	38
48	Condensation in the presence of non-condensable gases in a convergent 3D channel. International Journal of Heat and Mass Transfer, 2020, 152, 119511.	2.5	15
49	Study on heat and mass transfer of a planar membrane humidifier for PEM fuel cell. International Journal of Heat and Mass Transfer, 2020, 152, 119538.	2.5	21
50	Thermal-hydraulic analysis for alumina/water nanofluid inside a mini-channel heat sink with latent heat cooling ceiling-An experimental study. International Communications in Heat and Mass Transfer, 2020, 112, 104477.	2.9	37
51	Effects of perforated anchors on heat transfer intensification of turbulence nanofluid flow in a pipe. Journal of Thermal Analysis and Calorimetry, 2020, 141, 2047-2059.	2.0	12
52	A new design of induced-charge electrokinetic micromixer with corrugated walls and conductive plate installation. International Communications in Heat and Mass Transfer, 2020, 114, 104564.	2.9	18
53	Analytical Nusselt number for forced convection inside a porous-filled tube with temperature-dependent thermal conductivity arising from high-temperature applications. Journal of Thermal Analysis and Calorimetry, 2020, 141, 1943-1950.	2.0	7
54	Entropy generation analysis of different solar thermal systems. Environmental Science and Pollution Research, 2020, 27, 20699-20724.	2.7	43

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55	Effect of Transverse Twisted Baffles on Performance and Irreversibilities in a Duct. Journal of Thermophysics and Heat Transfer, 2019, 33, 49-62.	0.9	20
56	Entropy generation analysis for nanofluid flow inside a duct equipped with porous baffles. Journal of Thermal Analysis and Calorimetry, 2019, 135, 1009-1019.	2.0	73
57	A concise review on the role of nanoparticles upon the productivity of solar desalination systems. Journal of Thermal Analysis and Calorimetry, 2019, 135, 1145-1159.	2.0	125
58	Mixing process and mass transfer in a novel design of induced-charge electrokinetic micromixer with a conductive mixing-chamber. International Communications in Heat and Mass Transfer, 2019, 108, 104293.	2.9	35
59	Energy saving in thermal energy systems using dimpled surface technology â€“ A review on mechanisms and applications. Applied Energy, 2019, 250, 1491-1547.	5.1	105
60	Simulation of conjugate radiationâ€“forced convection heat transfer in a porous medium using the lattice Boltzmann method. Meccanica, 2019, 54, 505-524.	1.2	16
61	Potentials of porous materials for energy management in heat exchangers â€“ A comprehensive review. Applied Energy, 2019, 243, 206-232.	5.1	144
62	Targeting a channel coating by using magnetic field and magnetic nanofluids. Journal of Thermal Analysis and Calorimetry, 2019, 137, 381-388.	2.0	12
63	Heat transfer in an eight-pass oscillating loop heat pipe equipped with cooling tower. Journal of Thermal Analysis and Calorimetry, 2019, 136, 1869-1877.	2.0	11
64	Potential of gear-ring turbulator in three-dimensional heat exchanger tube from second law of thermodynamic viewpoint. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 1526-1543.	1.6	15
65	Recent advances in modeling and simulation of nanofluid flowsâ€”Part II: Applications. Physics Reports, 2019, 791, 1-59.	10.3	389
66	Second law of thermodynamics analysis for nanofluid turbulent flow inside a solar heater with the ribbed absorber plate. Journal of Thermal Analysis and Calorimetry, 2019, 135, 551-563.	2.0	72
67	First and second laws of thermodynamics analysis of nanofluid flow inside a heat exchanger duct with wavy walls and a porous insert. Journal of Thermal Analysis and Calorimetry, 2019, 135, 177-194.	2.0	87
68	Combination of nanofluid and inserts for heat transfer enhancement. Journal of Thermal Analysis and Calorimetry, 2019, 135, 437-460.	2.0	180
69	Porous materials in building energy technologiesâ€”A review of the applications, modelling and experiments. Renewable and Sustainable Energy Reviews, 2018, 91, 229-247.	8.2	131
70	Natural convection and entropy generation analysis inside a channel with a porous plate mounted as a cooling system. Thermal Science and Engineering Progress, 2018, 6, 186-193.	1.3	33
71	Second law of thermodynamic analysis for nanofluid turbulent flow around a rotating cylinder. Journal of Thermal Analysis and Calorimetry, 2018, 132, 1189-1200.	2.0	59
72	Effects of Rib Shapes on the Entropy Generation in a Ribbed Duct. Journal of Thermophysics and Heat Transfer, 2018, 32, 691-701.	0.9	20

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73	A review on the application, simulation, and experiment of the electrokinetic mixers. Chemical Engineering and Processing: Process Intensification, 2018, 126, 108-122.	1.8	78
74	Volume-of-Fluid Model for Simulating Vaporâ€“Liquid Phase Change in a Solar Still. Journal of Thermophysics and Heat Transfer, 2018, 32, 917-924.	0.9	18
75	Simulation of liquid reaction and droplet formation on a moving micro-object by lattice Boltzmann method. Meccanica, 2018, 53, 803-815.	1.2	12
76	Volume of fluid model to simulate the nanofluid flow and entropy generation in a single slope solar still. Renewable Energy, 2018, 115, 400-410.	4.3	253
77	Applications of nanofluids in condensing and evaporating systems. Journal of Thermal Analysis and Calorimetry, 2018, 131, 2027-2039.	2.0	187
78	Steps optimization and productivity enhancement in a nanofluid cascade solar still. Renewable Energy, 2018, 118, 536-545.	4.3	125
79	Enhancement of solar still by reticular porous media: Experimental investigation with exergy and economic analysis. Applied Thermal Engineering, 2018, 130, 1341-1348.	3.0	122
80	Combined effects of nanofluid and transverse twisted-baffles on the flow structures, heat transfer and irreversibilities inside a square duct â€“ A numerical study. Applied Thermal Engineering, 2018, 130, 135-148.	3.0	87
81	Spatial entropy generation analysis for the design improvement of a single slope solar still. Environmental Progress and Sustainable Energy, 2018, 37, 1112-1120.	1.3	23
82	Modelling Study on Internal Energy Loss Due to Entropy Generation for Non-Darcy Poiseuille Flow of Silver-Water Nanofluid: An Application of Purification. Entropy, 2018, 20, 851.	1.1	45
83	Enhancing the convergence speed of numerical solution using the flow rate control in a novel lattice Boltzmann method. European Physical Journal Plus, 2018, 133, 1.	1.2	3
84	Removal of the liquid from a micro-object and controlling the surface wettability by using a rotating shell - Numerical simulation by Latticeâ€“Boltzmann method. Journal of Molecular Liquids, 2018, 272, 645-655.	2.3	10
85	Convection of heat and thermodynamic irreversibilities in two-phase, turbulent nanofluid flows in solar heaters by corrugated absorber plates. Advanced Powder Technology, 2018, 29, 2243-2254.	2.0	115
86	Potential applications of inserts in solar thermal energy systems â€“ A review to identify the gaps and frontier challenges. Solar Energy, 2018, 171, 929-952.	2.9	70
87	Simulating phase change during the droplet deformation and impact on a wet surface in a square microchannel: An application of oil drops collision. European Physical Journal Plus, 2018, 133, 1.	1.2	23
88	Geometric parameters and response surface methodology on cooling performance of vortex tubes. International Journal of Sustainable Energy, 2017, 36, 872-886.	1.3	13
89	Influences of corrugation profiles on entropy generation, heat transfer, pressure drop, and performance in a wavy channel. Applied Thermal Engineering, 2017, 116, 278-291.	3.0	98
90	A two-way couple of Eulerian-Lagrangian model for particle transport with different sizes in an obstructed channel. Powder Technology, 2017, 312, 260-269.	2.1	31

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91	Flow and Heat Management Around Obstacle by Nanofluid and Incidence Angle. Journal of Thermophysics and Heat Transfer, 2017, 31, 983-988.	0.9	6
92	A review on the applications of porous materials in solar energy systems. Renewable and Sustainable Energy Reviews, 2017, 73, 1198-1210.	8.2	152
93	Applications of magnetohydrodynamics in biological systems-a review on the numerical studies. Journal of Magnetism and Magnetic Materials, 2017, 439, 358-372.	1.0	124
94	Condensation process and phase-change in the presence of obstacles inside a minichannel. Meccanica, 2017, 52, 2265-2274.	1.2	12
95	Thermo-hydraulic analysis for a novel eccentric helical screw tape insert in a three dimensional tube. Applied Thermal Engineering, 2017, 124, 413-421.	3.0	48
96	A lattice Boltzmann method to simulate combined radiationâ€“force convection heat transfer mode. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 3695-3706.	0.8	10
97	Partitioning of solar still for performance recovery: Experimental and numerical investigations with cost analysis. Solar Energy, 2017, 153, 41-50.	2.9	63
98	Appropriate position of porous insert in a heat exchanger by thermohydraulic analysis. Heat Transfer - Asian Research, 2017, 46, 1363-1379.	2.8	7
99	Thermo-fluid performance and entropy generation analysis for a new eccentric helical screw tape insert in a 3D tube. Chemical Engineering and Processing: Process Intensification, 2017, 117, 27-37.	1.8	44
100	Thermal-hydraulic and entropy generation analysis for turbulent flow inside a corrugated channel. International Journal of Heat and Mass Transfer, 2017, 109, 812-823.	2.5	62
101	Influences of wavy wall and nanoparticles on entropy generation over heat exchanger plat. International Journal of Heat and Mass Transfer, 2017, 109, 1162-1171.	2.5	198
102	Effect of flap installation on improving the homogeneity of the mixture in an induced-charge electrokinetic micro-mixer. Chemical Engineering and Processing: Process Intensification, 2017, 121, 188-197.	1.8	22
103	EHD in thermal energy systems - A review of the applications, modelling, and experiments. Journal of Electrostatics, 2017, 90, 1-14.	1.0	54
104	Exergy and economic analysis for a double slope solar still equipped by thermoelectric heating modules - an experimental investigation. Desalination, 2017, 420, 106-113.	4.0	109
105	Sensitivity Analysis for Entropy Generation in Porous Solar Heat Exchangers by RSM. Journal of Thermophysics and Heat Transfer, 2017, 31, 390-402.	0.9	27
106	Analytical approximation of heat and mass transfer in MHD non-Newtonian nanofluid flow over a stretching sheet with convective surface boundary conditions. International Journal of Biomathematics, 2017, 10, 1750008.	1.5	8
107	Optimum Interaction Between Magnetohydrodynamics and Nanofluid for Thermal and Drag Management. Journal of Thermophysics and Heat Transfer, 2017, 31, 218-229.	0.9	33
108	Exergy analysis for a plate-fin triangular duct enhanced by a porous material. Applied Thermal Engineering, 2017, 110, 1448-1461.	3.0	31

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109	Convective Heat Transfer and Particle Motion in an Obstructed Duct with Two Side by Side Obstacles by Means of DPM Model. Applied Sciences (Switzerland), 2017, 7, 431.	1.3	80
110	Sensitivity Analysis of Entropy Generation in Nanofluid Flow inside a Channel by Response Surface Methodology. Entropy, 2016, 18, 52.	1.1	54
111	Minimization of exergy losses in a trapezoidal duct with turbulator, roughness and beveled corners. Applied Thermal Engineering, 2016, 107, 533-543.	3.0	32
112	Application of magnetohydrodynamics for suppressing the fluctuations in the unsteady flow around two side-by-side circular obstacles. European Physical Journal Plus, 2016, 131, 1.	1.2	14
113	New Design of Ranqueâ€“Hilsch Vortex Tube: Helical Multi-Intake Vortex Generator. Journal of Thermophysics and Heat Transfer, 2016, 30, 608-613.	0.9	3
114	Magnetohydrodynamic effects on flow structures and heat transfer over two cylinders wrapped with a porous layer in side. International Journal of Numerical Methods for Heat and Fluid Flow, 2016, 26, 1416-1432.	1.6	11
115	A sensitivity analysis on thermal and pumping power for the flow of nanofluid inside a wavy channel. Journal of Molecular Liquids, 2016, 220, 1-13.	2.3	161
116	Vortex shedding suppression and wake control: A review. Ocean Engineering, 2016, 126, 57-80.	1.9	199
117	Recovery of drop in heat transfer rate for a rotating system by nanofluids. Journal of Molecular Liquids, 2016, 220, 961-969.	2.3	51
118	Effects of trap and reflect particle boundary conditions on particle transport and convective heat transfer for duct flow - A two-way coupling of Eulerian-Lagrangian model. Applied Thermal Engineering, 2016, 108, 368-377.	3.0	53
119	Optimization of partitioning inside a single slope solar still for performance improvement. Desalination, 2016, 395, 79-91.	4.0	71
120	Control of wake destructive behavior for different bluff bodies in channel flow by magnetohydrodynamics. European Physical Journal Plus, 2016, 131, 1.	1.2	13
121	Experimental investigation of nanofluid free convection over the vertical and horizontal flat plates with uniform heat flux by PIV. Advanced Powder Technology, 2016, 27, 312-322.	2.0	50
122	Heat transfer enhancement and pressure drop penalty in porous solar heaters: Numerical simulations. Solar Energy, 2016, 123, 145-159.	2.9	66
123	Discrete particle model for convective AL 2 O 3 â€“water nanofluid around a triangular obstacle. Applied Thermal Engineering, 2016, 100, 39-54.	3.0	64
124	Opposition of Magnetohydrodynamic and AL2O3â€“water nanofluid flow around a vertex facing triangular obstacle. Journal of Molecular Liquids, 2016, 215, 276-284.	2.3	51
125	Control of flow around a circular cylinder wrapped with a porous layer by magnetohydrodynamic. Journal of Magnetism and Magnetic Materials, 2016, 401, 1078-1087.	1.0	17
126	Control of wake and vortex shedding behind a porous circular obstacle by exerting an external magnetic field. Journal of Magnetism and Magnetic Materials, 2015, 385, 198-206.	1.0	39

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127	Effect of fluid-porous interface conditions on steady flow around and through a porous circular cylinder. International Journal of Numerical Methods for Heat and Fluid Flow, 2015, 25, 1658-1681.	1.6	9
128	Control of Wake Structure Behind a Square Cylinder by Magnetohydrodynamics. Journal of Fluids Engineering, Transactions of the ASME, 2015, 137, .	0.8	33
129	The effect of magnetic field on instabilities of heat transfer from an obstacle in a channel. Journal of Magnetism and Magnetic Materials, 2015, 391, 5-11.	1.0	39
130	Heat transfer enhancement and pressure drop penalty in porous solar heat exchangers: A sensitivity analysis. Energy Conversion and Management, 2015, 103, 726-738.	4.4	80
131	Structural optimization of nanofluid flow around an equilateral triangular obstacle. Energy, 2015, 88, 385-398.	4.5	58
132	Enhancement of heat transfer by nanofluids and orientations of the equilateral triangular obstacle. Energy Conversion and Management, 2015, 97, 212-223.	4.4	61
133	Joules and Newtonian heating effects on stagnation point flow over a stretching surface by means of genetic algorithm and Nelder-Mead method. International Journal of Numerical Methods for Heat and Fluid Flow, 2015, 25, 665-684.	1.6	67
134	Stress-jump and Continuity Interface Conditions for a Cylinder Embedded in a Porous Medium. Transport in Porous Media, 2015, 107, 171-186.	1.2	46
135	Study of stream wise transverse magnetic fluid flow with heat transfer around an obstacle embedded in a porous medium. Journal of Magnetism and Magnetic Materials, 2015, 378, 128-137.	1.0	158
136	Convectionâ€“radiation heat transfer in solar heat exchangers filled with a porous medium: Homotopy perturbation method versusÂnumerical analysis. Renewable Energy, 2015, 74, 448-455.	4.3	94
137	CONTROL OF WAKE AND VORTEX SHEDDING BEHIND SOLID CIRCULAR OBSTACLE BY MAGNETOHYDRODYNAMICS. Journal of Thermal Engineering, 2015, 1, .	0.8	2
138	Numerical study of flow around and through a porous diamond cylinder in different apex angles. International Journal of Numerical Methods for Heat and Fluid Flow, 2014, 24, 1504-1518.	1.6	32
139	Magnetohydrodynamics Flow and Heat Transfer Around a Solid Cylinder Wrapped With a Porous Ring. Journal of Heat Transfer, 2014, 136, .	1.2	55
140	A numerical study on convection around a square cylinder using Al2O3-H2O nanofluid. Thermal Science, 2014, 18, 1305-1314.	0.5	40
141	Numerical modeling of flow around and through a porous cylinder with diamond cross section. European Journal of Mechanics, B/Fluids, 2014, 46, 74-81.	1.2	51
142	Numerical Simulation of Forced Convective Heat Transfer Past a Square Diamond-Shaped Porous Cylinder. Transport in Porous Media, 2014, 102, 207-225.	1.2	62
143	Analytical interpretation of the local thermal non-equilibrium condition of porous media imbedded in tube heat exchangers. Energy Conversion and Management, 2014, 85, 264-271.	4.4	84
144	Fluid flow and forced convection heat transfer around a solid cylinder wrapped with a porous ring. International Journal of Heat and Mass Transfer, 2013, 63, 91-100.	2.5	75

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145	Heat transfer performance of a nanofluid-filled tube with wall corrugations and center-cleared twisted-tape inserts. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-21.	1.2	27
146	Evaluation of different numerical models for prediction of pressure drop in laminar nanofluid flows. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-19.	1.2	7
147	Entropy production analysis for nanofluid flow through a channel with perforated transverse twisted-baffles. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-20.	1.2	1
148	Mixing Process and Flow Structure in Electrokinetic Micromixer with Rough Walls- A Study on Rough Geometry. Experimental Techniques, 0, , 1.	0.9	0
149	Two-phase modeling of low-Reynolds turbulent heat convection of Al₂O₃-water nanofluid in a 2-D helically corrugated channel. Chemical Engineering Communications, 0, , 1-21.	1.5	0
150	Heat transfer and entropy generation of hybrid nanofluid inside the convergent doubleâ€layer tapered microchannel. Mathematical Methods in the Applied Sciences, 0, , .	1.2	5