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#	Paper	IF	Citations
797	Heat transfer and fluid flow of nanofluids in laminar radial flow cooling systems. 2005 , 14, 362-367		18
796	A review of convective heat transfer with nanofluids for electronics packaging.		1
795	Heat transfer enhancement in turbulent tube flow using Al2O3nanoparticle suspension. 2006 , 16, 275	-292	211
794	Heat transfer enhancement with the use of nanofluids in radial flow cooling systems considering temperature-dependent properties. <i>Applied Thermal Engineering</i> , 2006 , 26, 2209-2218	5.8	177
793	Convective Heat Transfer With Nanofluids in a Single 1.02-mm Tube. 2006 , 337		17
792	Theoretical Model Development for Nanofluids Thermal Effectiveness. 2006 , 258-260, 164-171		1
791	A note on heat transfer modelling of Newtonian nanofluids in laminar free convection. 2007 , 46, 739-7	44	115
790	Performance analysis of nanofluid-cooled microchannel heat sinks. <i>International Journal of Heat and Fluid Flow</i> , 2007 , 28, 1013-1026	2.4	124
789	Heat transfer augmentation in a two-sided lid-driven differentially heated square cavity utilizing nanofluids. 2007 , 50, 2002-2018		1319
788	When to fill a tube with thermal enhancers and when to leave it empty. 2007, 48, 2356-2364		4
787	Numerical Investigation of Nanofluid Laminar Convective Heat Transfer through a Circular Tube. 2007 , 52, 1043-1058		137
786	Forced convective heat transfer of nanofluids. 2007 , 18, 813-824		117
785	A note on convection with nonlinear heat flux. 2007 , 56, 229-239		6
784	Temperature and particle-size dependent viscosity data for water-based nanofluids [Hysteresis phenomenon. <i>International Journal of Heat and Fluid Flow</i> , 2007 , 28, 1492-1506	2.4	674
783	Heat transfer characteristics of nanofluids: a review. 2007 , 46, 1-19		1537
782	Heat transfer enhancement using Al2O3Water nanofluid for an electronic liquid cooling system. <i>Applied Thermal Engineering</i> , 2007 , 27, 1501-1506	5.8	455
781	Viscosity data for Al2O3Water nanofluidBysteresis: is heat transfer enhancement using nanofluids reliable?. 2008 , 47, 103-111		425

(2009-2008)

780	Direct numerical simulation of turbulent heat transfer modulation in micro-dispersed channel flow. 2008 , 195, 305-326		40
779	Nonlinear waves in a GreenNaghdi dissipationless fluid. 2008 , 154, 207-210		12
778	Application of aluminum oxide nanofluids in diesel electric generator as jacket water coolant. <i>Applied Thermal Engineering</i> , 2008 , 28, 1774-1781	5.8	144
777	Thermophysical and electrokinetic properties of nanofluids 🖪 critical review. <i>Applied Thermal Engineering</i> , 2008 , 28, 2109-2125	5.8	460
776	Numerical study of natural convection in partially heated rectangular enclosures filled with nanofluids. <i>International Journal of Heat and Fluid Flow</i> , 2008 , 29, 1326-1336	2.4	1335
775	Experimental Investigations on the Flow of Nanofluids Through Circular Pipes. 2008,		
774	Measurement of the specific heat capacity of water-based Al2O3 nanofluid. 2008, 92, 093123		396
773	Developing Flow With Combined Forced and Free Convection of Nanofluids for Horizontal Semicircular Ducts With the Flat Wall at the Vertical Position. 2008 ,		
772	NanoFluids New Promising Fluid for Cooling. 2009 , 68, 1-17		37
771	A new experimental relation for effective thermal conductivity of nanofluids. 2009 , 26, 949-954		1
770	Heat Transfer and Rheological Behaviour of Nanofluids 🖪 Review. 2009 , 135-177		36
769	Numerical study of turbulent flow and heat transfer characteristics of nanofluids considering variable properties. 2009 , 48, 290-302		275
-(0			
768	Effects of inclination angle on natural convection in enclosures filled with Culvater nanofluid. <i>International Journal of Heat and Fluid Flow</i> , 2009 , 30, 669-678	2.4	344
767		2.4	185
	International Journal of Heat and Fluid Flow, 2009, 30, 669-678 Effect of nanofluids on the performance of a miniature plate heat exchanger with modulated	,	
767	International Journal of Heat and Fluid Flow, 2009, 30, 669-678 Effect of nanofluids on the performance of a miniature plate heat exchanger with modulated surface. International Journal of Heat and Fluid Flow, 2009, 30, 691-699	,	185
767 766	International Journal of Heat and Fluid Flow, 2009, 30, 669-678 Effect of nanofluids on the performance of a miniature plate heat exchanger with modulated surface. International Journal of Heat and Fluid Flow, 2009, 30, 691-699 Review of convective heat transfer enhancement with nanofluids. 2009, 52, 3187-3196 An experimental study of a confined and submerged impinging jet heat transfer using Al2O3-water	,	185 1353

762	Numerical investigation of nanofluids forced convection in circular tubes. <i>Applied Thermal Engineering</i> , 2009 , 29, 3632-3642	5.8	312
761	Advances in Transport Phenomena. 2009,		7
760	Developing laminar mixed convection of nanofluids in an inclined tube with uniform wall heat flux. 2009 , 19, 146-164		28
759	A Review on the Mechanisms of Heat Transport in Nanofluids. 2009 , 30, 1136-1150		149
758	Turbulent forced convection of Al2O3 nanofluid in a circular tube with tape inserts at low volume concentration. 2009 , 2, 60		3
757	Laminar convective heat transfer of nanofluids in a circular tube under constant heat flux. 2009 , 2, 314		3
756	Experimental Study on Forced Convective Heat Transfer with Low Volume Fraction of CuO/Water Nanofluid. <i>Energies</i> , 2009 , 2, 97-119	3.1	61
755	Heat transfer and friction factor analysis in a circular tube with Al2O3 nanofluid by using computational fluid dynamics. 2009 , 2, 191		8
754	Heat transfer in rectangular microchannels heat sink using nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2010 , 37, 1496-1503	5.8	97
753	Direct numerical simulation of thermal conductivity of nanofluids: The effect of temperature two-way coupling and coagulation of particles. 2010 , 53, 862-869		20
752	Turbulent heat transfer and friction factor of Al2O3 Nanofluid in circular tube with twisted tape inserts. 2010 , 53, 1409-1416		191
751	On heat transfer in external natural convection flows using two nanofluids. 2010 , 49, 901-908		19
750	Investigation on the thermal transport properties of ethylene glycol-based nanofluids containing copper nanoparticles. 2010 , 197, 218-221		118
749	Correlation of Shear Viscosity of Nanofluids Using the Local Composition Theory. 2010 , 18, 102-107		15
748	Analysis of flow and thermal field in nanofluid using a single phase thermal dispersion model. 2010 , 34, 573-592		118
747	Enhancement of heat transfer using nanofluidsAn overview. <i>Renewable and Sustainable Energy Reviews</i> , 2010 , 14, 629-641	16.2	573
746	A model for temperature and particle volume fraction effect on nanofluid viscosity. <i>Journal of Molecular Liquids</i> , 2010 , 153, 139-145	6	35
745	Numerical study of forced convective heat transfer of Nanofluids: Comparison of different approaches. <i>International Communications in Heat and Mass Transfer</i> , 2010 , 37, 74-78	5.8	259

(2011-2010)

744	Numerical study of convective heat transfer of nanofluids in a circular tube two-phase model versus single-phase model. <i>International Communications in Heat and Mass Transfer</i> , 2010 , 37, 91-97	5.8	202
743	Mixed convection boundary layer flow from a vertical flat plate embedded in a porous medium filled with nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2010 , 37, 987-991	5.8	163
742	Numerical study of fluid dynamic and heat transfer performance of Al2O3 and CuO nanofluids in the flat tubes of a radiator. <i>International Journal of Heat and Fluid Flow</i> , 2010 , 31, 613-621	2.4	230
741	Boundary-layer flow of a nanofluid past a stretching sheet. 2010 , 53, 2477-2483		1273
740	Heat transfer A review of 2005 literature. 2010 , 53, 4397-4447		80
739	Heat transfer behaviour of nanofluids in a uniformly heated circular tube fitted with helical inserts in laminar flow. 2010 , 47, 349-360		62
738	Local convective boiling heat transfer and pressure drop of nanofluid in narrow rectangular channels. <i>Applied Thermal Engineering</i> , 2010 , 30, 2619-2631	5.8	62
737	Prediction of nanofluid convective heat transfer using the dispersion model. 2010 , 49, 471-478		61
736	GreenNaghdi fluid with non-thermal equilibrium effects. 2010 , 466, 2021-2032		20
735	Buoyancy Driven Heat Transfer of Nanofluids in a Tilted Enclosure. 2010 , 132,		104
734	Investigation of heat transfer in turbulent nanofluids using direct numerical simulations. 2010 , 81, 016	304	11
733	A Numerical Investigation on Nanofluids Forced Convection in Channels With Transverse Ribs. 2010		
732	Particle size and interfacial effects on thermo-physical and heat transfer characteristics of water-based alpha-SiC nanofluids. 2010 , 21, 215703		186
731	Mixed convection flow in a lid-driven inclined square enclosure filled with a nanofluid. 2010 , 29, 472-48	32	210
730	Entropy Generation Minimization of Confined Nanofluids Laminar Flow Around a Block. 2010,		2
729	Prediction of Thermal Conductivity and Convective Heat Transfer Coefficient of Nanofluids by Local Composition Theory. 2011 , 133,		8
728	Convective Heat Transfer Enhancement in Nanofluids: Real Anomaly or Analysis Artifact?. 2011 ,		7

726	Scaling analysis for the investigation of slip mechanisms in nanofluids. 2011 , 6, 471	48
725	On the spatial behavior of solutions for non-linear type II heat conduction. 2011 , 46, 1252-1257	1
724	Influences of refrigerant-based nanofluid composition and heating condition on the migration of nanoparticles during pool boiling. Part II: Model development and validation. 2011 , 34, 1833-1845	27
723	An analytical solution for boundary layer flow of a nanofluid past a stretching sheet. 2011 , 50, 2256-2263	111
722	Comparison of the thermal performances of two nanofluids at low temperature in a plate heat exchanger. 2011 , 35, 1535-1543	127
721	Experimental study of heat transfer enhancement using water/ethylene glycol based nanofluids as a new coolant for car radiators. <i>International Communications in Heat and Mass Transfer</i> , 2011 , 38, 1283-1290	241
720	Free convection heat transfer of non Newtonian nanofluids under constant heat flux condition. International Communications in Heat and Mass Transfer, 2011 , 38, 1449-1454 5.8	35
719	Stagnation-point flow of a nanofluid towards a stretching sheet. 2011 , 54, 5588-5594	232
718	Mixed convection boundary-layer flow about an isothermal solid sphere in a nanofluid. 2011 , 84, 025403	7
717	An experimental investigation of turbulent thermal convection in water-based alumina nanofluid. 2011 , 23, 022005	27
716	Self-similar analysis of fluid flow and heat-mass transfer of nanofluids in boundary layer. 2011 , 23, 082002	45
715	Mixed Convection Boundary Layer Flow from a Horizontal Circular Cylinder Embedded in a Porous Medium Filled with a Nanofluid. 2011 , 86, 517-536	48
714	Blasius and Sakiadis problems in nanofluids. 2011 , 218, 195-204	97
713	A critical synthesis of thermophysical characteristics of nanofluids. 2011 , 54, 4410-4428	703
712	Numerical study of a confined slot impinging jet with nanofluids. 2011 , 6, 188	84
711	Enhancement of heat transfer and entropy generation analysis of nanofluids turbulent convection flow in square section tubes. 2011 , 6, 252	63
710	Boundary layer flow past a stretching/shrinking surface beneath an external uniform shear flow with a convective surface boundary condition in a nanofluid. 2011 , 6, 314	86
709	Numerical investigation on nanofluids turbulent convection heat transfer inside a circular tube. 2011 , 50, 341-349	156

708	Heat transfer enhancement and pumping power in confined radial flows using nanoparticle suspensions (nanofluids). 2011 , 50, 369-377		55	
707	FalknerBkan problem for a static or moving wedge in nanofluids. 2011 , 50, 133-139		138	
706	Improving the cooling performance of automobile radiator with Al2O3/water nanofluid. <i>Applied Thermal Engineering</i> , 2011 , 31, 1833-1838	5.8	209	
7°5	Natural convection of Culvater nanofluid in a cavity with partially active side walls. 2011 , 30, 166-176		78	
704	Effect of suspended CuO nanoparticles on mass transfer to a rotating disc electrode. 2011 , 35, 558-564	ļ	37	
703	FalknerBkan problem for a static and moving wedge with prescribed surface heat flux in a nanofluid. <i>International Communications in Heat and Mass Transfer</i> , 2011 , 38, 149-153	5.8	58	
702	A review of boiling and convective heat transfer with nanofluids. <i>Renewable and Sustainable Energy Reviews</i> , 2011 , 15, 2342-2354	16.2	192	
701	A critical review on convective heat transfer correlations of nanofluids. <i>Renewable and Sustainable Energy Reviews</i> , 2011 , 15, 3271-3277	16.2	231	
700	Computational analysis of non-isothermal temperature distribution on natural convection in nanofluid filled enclosures. 2011 , 49, 453-467		67	
699	Natural Convection of Cu-Gallium Nanofluid in Enclosures. 2011 , 133,		23	
698	Free Convection Boundary Layer Flow Past a Horizontal Flat Plate Embedded in a Porous Medium Filled With a Nanofluid. 2011 , 133,		22	
69 7	Numerical Investigation of Nanofluid Forced Convection in Channels with Discrete Heat Sources. 2012 , 2012, 1-18		6	
696	Numerical Study of Fluid Dynamic and Heat Transfer in a Compact Heat Exchanger Using Nanofluids. 2012 , 2012, 1-11		12	
695	Evolutionary Optimization of Electronic Circuitry Cooling Using Nanofluid. 2012 , 2012, 1-8		3	
694	Natural convection from a vertical permeable cone in a nanofluid saturated porous media for uniform heat and nanoparticles volume fraction fluxes. 2012 , 22, 1073-1085		93	
693	Laminar Mixed Convection of Large-Prandtl-Number Nanofluids in Horizontal Tube: Experiment, Correlation, and Criterion. 2012 ,			
692	Numerical Investigation on Nanofluid Mixed Convection in Triangular Ducts Heated by a Uniform Heat Flux. 2012 ,			
691	Mixed convection boundary layer flow from a horizontal circular cylinder in a nanofluid. 2012 , 22, 576-6	06	23	

690	Thermal Nanofluid Property Model With Application to Nanofluid Flow in a Parallel Disk SystemPart II: Nanofluid Flow Between Parallel Disks. 2012 , 134,		9
689	Effect of Uncertainties in Physical Properties on Entropy Generation Between Two Rotating Cylinders With Nanofluids. 2012 , 134,		40
688	Entropy Analysis in Mixed Convection MHD flow of Nanofluid over a Non-linear Stretching Sheet. 2012 , 7, 104-119		22
687	Analysis of entropy generation between co-rotating cylinders using nanofluids. 2012 , 44, 438-446		108
686	Fully developed mixed convection flow in a vertical channel filled with nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2012 , 39, 1086-1092	5.8	33
685	Mixed convection flow in single- and double-lid driven square cavities filled with waterAl2O3 nanofluid: Effect of viscosity models. 2012 , 36, 82-96		134
684	Application of artificial neural networkgenetic algorithm (ANNGA) to correlation of density in nanofluids. 2012 , 336, 79-83		96
683	A review on natural convective heat transfer of nanofluids. <i>Renewable and Sustainable Energy Reviews</i> , 2012 , 16, 5363-5378	16.2	190
682	Experimental investigations of the viscosity of nanofluids at low temperatures. 2012 , 97, 876-880		152
681	Modeling of turbulent forced convective heat transfer and friction factor in a tube for Fe3o4 magnetic nanofluid with computational fluid dynamics. <i>International Communications in Heat and Mass Transfer</i> , 2012 , 39, 1293-1296	5.8	39
680	Comparison between single-phase and two-phases CFD modeling of laminar forced convection flow of nanofluids in a circular tube under constant heat flux. <i>International Communications in Heat and Mass Transfer</i> , 2012 , 39, 1297-1302	5.8	57
679	Comparative assessment of single and two-phase models for numerical studies of nanofluid turbulent forced convection. <i>International Journal of Heat and Fluid Flow</i> , 2012 , 37, 136-146	2.4	93
678	Application of nanofluids in heat exchangers: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2012 , 16, 5625-5638	16.2	324
677	An overview on heat transfer augmentation using vortex generators and nanofluids: Approaches and applications. <i>Renewable and Sustainable Energy Reviews</i> , 2012 , 16, 5951-5993	16.2	121
676	Laminar flow of a nanoliquid film over an unsteady stretching sheet. 2012 , 55, 7552-7560		50
675	Convective Heat Transfer Characteristics of Silver-Water Nanofluid Under Laminar and Turbulent Flow Conditions. 2012 , 4,		21
674	Numerical Investigation of Heat Transfer from a Two-Dimensional Sudden Expansion Flow Using Nanofluids. 2012 , 61, 527-546		10
673	Experimental investigation of forced convection heat transfer and friction factor in a tube with Fe3O4 magnetic nanofluid. 2012 , 37, 65-71		159

672	Latest developments on the viscosity of nanofluids. 2012 , 55, 874-885	438
671	Green?Naghdi type III viscous fluids. 2012 , 55, 710-714	3
670	Flow and heat transfer over an unsteady shrinking sheet with suction in nanofluids. 2012 , 55, 1888-1895	58
669	A review and analysis on influence of temperature and concentration of nanofluids on thermophysical properties, heat transfer and pumping power. 2012 , 55, 4063-4078	235
668	Application of Computational Fluid Dynamics (CFD) for nanofluids. 2012 , 55, 4104-4115	184
667	A heatline analysis of natural convection in a square inclined enclosure filled with a CuO nanofluid under non-uniform wall heating condition. 2012 , 55, 5076-5086	62
666	A numerical study of nanofluid forced convection in ribbed channels. <i>Applied Thermal Engineering</i> , 2012, 37, 280-292	182
665	Numerical simulation of laminar forced convection heat transfer of Al2O3Water nanofluid in a pipe with return bend. 2012 , 55, 90-102	59
664	Free convection boundary layer flow past a horizontal flat plate embedded in porous medium filled by nanofluid containing gyrotactic microorganisms. 2012 , 56, 48-57	150
663	Hydromagnetic slip flow of water based nanofluids past a wedge with convective surface in the presence of heat generation (or) absorption. 2012 , 57, 172-182	57
662	Heat transfer performance and hydrodynamic behavior of turbulent nanofluid radial flows. 2012 , 58, 120-129	56
661	Unsteady mixed convection boundary layer flow and heat transfer of nanofluids due to stretching sheet. 2012 , 249, 248-255	73
660	Nanofluid impingement jet heat transfer. 2012 , 7, 139	47
659	Peristaltic flow of a Phan-Thien-Tanner nanofluid in a diverging tube. 2012 , 41, 10-22	45
658	Numerical Study on the Laminar Convective Heat Transfer of Alumina/Water Nanofluids. 2013, 27, 170-173	10
657	Analyses of entropy generation and pressure drop for a conventional flat plate solar collector using different types of metal oxide nanofluids. 2013 , 66, 289-296	106
656	Pressure drop and convective heat transfer of water and nanofluids in a double-pipe helical heat exchanger. <i>Applied Thermal Engineering</i> , 2013 , 60, 266-274	119
655	Heat Transfer and Fluid Flow Analysis of Nanofluids in Corrugated Plate Heat Exchangers Using Computational Fluid Dynamics Simulation. 2013 , 5,	18

654	Heat transfer and flow features of Al2O3Water nanofluids flowing through a circular microchannel Experimental results and correlations. <i>Applied Thermal Engineering</i> , 2013 , 61, 86-92	5.8	47
653	The effect of real viscosity on the heat transfer of water based Al2O3 nanofluids in a two-sided lid-driven differentially heated rectangular cavity. 2013 , 49, 1433-1445		2
652	Experimental investigation of heat transfer and friction factor with waterpropylene glycol based CuO nanofluid in a tube with twisted tape inserts. <i>International Communications in Heat and Mass Transfer</i> , 2013 , 46, 13-21	5.8	41
651	Investigation of Nanoparticles Effect on the Jeffery⊞amel Flow. 2013 , 38, 2845-2853		21
650	The effect of surfactants on heat transfer feature of nanofluids. 2013 , 46, 259-262		45
649	Experimental and numerical investigation of nanofluid heat transfer in helically coiled tubes at constant wall temperature using dispersion model. 2013 , 58, 480-491		83
648	Natural nanofluid-based cooling of a protuberant heat source in a partially-cooled enclosure. <i>International Communications in Heat and Mass Transfer</i> , 2013 , 45, 23-31	5.8	5
647	A review of entropy generation in nanofluid flow. 2013 , 65, 514-532		338
646	A Numerical Approach in Predicting Flow Field Induced by Randomly Moving Nano Particles. 2013,		1
645	Laminar mixed convection of large-Prandtl-number in-tube nanofluid flow, Part I: Experimental study. 2013 , 65, 919-927		28
644	Experimental studies on the heat transfer and pressure drop characteristics of Culwater and Allwater nanofluids in a spiral coil. 2013 , 47, 206-212		59
643	Thermo Physical Characterization of Paraffin based Fe3O4 Nanofluids. 2013, 51, 342-346		37
642	Experimental investigation of mass transfer of active ions in silica nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2013 , 46, 148-153	5.8	40
641	Effect of microtube length on heat transfer enhancement of an water/Al2O3 nanofluid at high Reynolds numbers. 2013 , 62, 22-30		20
640	Numerical Study of Entropy Generation in a Flowing Nanofluid Used in Micro- and Minichannels. 2013 , 15, 144-155		57
639	A Comparative Analysis of Single and Two-Phase Models of Turbulent Convective Heat Transfer in a Tube for TiO2 Nanofluid with CFD. 2013 , 63, 795-806		54
638	Semi-analytical investigation of electronics cooling using developing nanofluid flow in rectangular microchannels. <i>Applied Thermal Engineering</i> , 2013 , 52, 321-327	5.8	28
637	Radiation effects on MHD stagnation point flow of nano fluid towards a stretching surface with convective boundary condition. 2013 , 26, 1389-1397		127

(2013-2013)

636	Laminar convective heat transfer of Al2O3/water nanofluid through square cross-sectional duct. <i>International Journal of Heat and Fluid Flow</i> , 2013 , 44, 375-382	2.4	63
635	Laminar forced convective mass transfer of FAl2O3/electrolyte nanofluid in a circular tube. 2013 , 64, 251-256		45
634	A review of the applications of nanofluids in solar energy. 2013 , 57, 582-594		904
633	Mixed Convection Boundary-Layer Flow Along a Vertical Cylinder Embedded in a Porous Medium Filled by a Nanofluid. 2013 , 96, 237-253		18
632	Enhanced thermophysical properties of copper nanoparticles dispersed in gear oil. <i>Applied Thermal Engineering</i> , 2013 , 56, 45-53	5.8	73
631	Heat Transfer Enhancement of Nanofluids in a Lid-Driven Triangular Enclosure having a Discrete Heater. 2013 , 56, 330-336		1
630	Analysis of nanoparticles migration on natural convective heat transfer of nanofluids. 2013 , 68, 79-93		49
629	Non-orthogonal stagnation point flow of a nano non-Newtonian fluid towards a stretching surface with heat transfer. 2013 , 57, 679-689		88
628	The effect of variable viscosity on the flow and heat transfer of a viscous Ag-water and Cu-water nanofluids. 2013 , 25, 1-9		46
627	Analysis of mixed convection flow of a nanofluid in a vertical channel with the Buongiorno mathematical model. <i>International Communications in Heat and Mass Transfer</i> , 2013 , 44, 15-22	5.8	48
626	Empirical and theoretical correlations on viscosity of nanofluids: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2013 , 25, 670-686	16.2	148
625	Experimental investigation of heat transfer and pressure drop characteristics of Al2O3Water nanofluid. 2013 , 50, 21-28		79
624	Numerical investigation on effect of base fluids and hybrid nanofluid in forced convective heat transfer. 2013 , 71, 163-171		156
623	Experimental study of overall heat transfer coefficient in the application of dilute nanofluids in the car radiator. <i>Applied Thermal Engineering</i> , 2013 , 52, 8-16	5.8	142
622	Heat Transfer Characteristics of Nano-Fluids. 2013 , 757, 175-195		1
621	Entropy generation in steady MHD flow due to a rotating porous disk in a nanofluid. 2013 , 62, 515-525		515
620	Convective heat transfer and friction factor correlations of nanofluid in a tube and with inserts: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2013 , 20, 23-35	16.2	101
619	Nanofluids thermal behavior analysis using a new dispersion model along with single-phase. 2013 , 49, 1333-1343		43

618	An experimental investigation on the impingement of a planar jet of Al2O3Water nanofluid on a V-shaped plate. 2013 , 50, 114-126	22
617	Analytical analysis of heat transfer and pumping power of laminar nanofluid developing flow in microchannels. <i>Applied Thermal Engineering</i> , 2013 , 50, 429-436	8 55
616	Thermal Dispersion Model Compared with Euler-Lagrange Approach in Simulation of Convective Heat Transfer for Nanoparticle Suspensions. 2013 , 34, 1778-1789	27
615	Numerical Analysis on Nanofluid Mixed Convection in Triangular Ducts Heated by a Constant Heat Flux. 2013 ,	
614	Improved Correlations for Counting the Effect of Natural Convection on Laminar Flow of Nanofluids. 2013 ,	
613	Mixed Convection Flow Adjacent to a Stretching Vertical Sheet in a Nanofluid. 2013, 2013, 1-6	3
612	Molecular dynamics simulation of the specific heat capacity of water-Cu nanofluids. 2013, 3, 1	32
611	Study of Swarm Behavior in Modeling and Simulation of Cluster Formation in Nanofluids. 2013 , 2013, 1-6	O
610	Performance Analysis of Al2O3/Water Nanofluid with Cationic Chitosan Dispersant. 2013, 2013, 1-8	2
609	The Effect of Particle Concentration on Cooling of a Circular Horizontal Surface Using Nanofluid Jets. 2013 , 17, 154-171	14
608	Numerical Study of Fluid Flow and Heat Transfer Enhancement of Nanofluids over Tube Bank. 2013 , 388, 149-155	6
607	Laboratory modelling of heat transfer system of radiology tube using multi-walled carbon nanofluid and evaluation of heat transfer coefficient. 2013 , 12, 199	
606	Forced Convective and Nucleate Flow Boiling Heat Transfer to Alumnia Nanofluids. 2014 , 58, 37	52
605	The thermal and transport characteristics of nanofluids in a novel three-dimensional device. 2014 , 92, 2185-2201	21
604	Preparation, thermo-physical properties and heat transfer enhancement of nanofluids. 2014 , 1, 032001	41
603	Experimental Investigation of Al2O3/Water Nanofluid Through Equilateral Triangular Duct With Constant Wall Heat Flux in Laminar Flow. 2014 , 35, 1173-1182	42
602	A Review on the Viscous and Thermal Transport Properties of Nanofluids. 2014 , 917, 18-27	16
601	Explicit solutions of wall jet flow subject to a convective boundary condition. 2014 , 2014,	14

600	Analysis of Fully Developed Opposing Mixed Convection Flow in an Inclined Channel Filled by a Nanofluid. 2014 , 136,	8
599	Investigation of nanofluid mixed convection in a shallow cavity using a two-phase mixture model. 2014 , 75, 204-220	243
598	Mixed convection flow of a nanofluid over a stretching surface with uniform free stream in the presence of both nanoparticles and gyrotactic microorganisms. 2014 , 75, 610-623	78
597	Peristaltic Sisko nano fluid in an asymmetric channel. 2014 , 4, 663-673	23
596	Investigation of peristaltic flow of Williamson nanofluid in a curved channel with compliant walls. 2014 , 4, 511-521	31
595	COMPARATIVE NUMERICAL STUDY OF SINGLE-PHASE AND TWO-PHASE MODELS FOR BIO-NANOFLUID TRANSPORT PHENOMENA. 2014 , 14, 1450011	46
594	Thermal instability in a rotating porous layer saturated by a non-Newtonian nanofluid with thermal conductivity and viscosity variation. 2014 , 16, 425-440	56
593	Heat transfer investigation of laminar developing flow of nanofluids in a microchannel based on Eulerian I agrangian approach. 2014 , 92, 1139-1149	31
592	Heat transfer and flow analysis of Al2O3Water nanofluids in microchannel with dimple and protrusion. 2014 , 73, 456-467	82
591	Homotopy simulation of nanofluid dynamics from a non-linearly stretching isothermal permeable sheet with transpiration. 2014 , 49, 469-482	164
590	Heat generation/absorption on MHD stagnation flow of nanofluid towards a porous stretching sheet with prescribed surface heat flux. <i>Journal of Molecular Liquids</i> , 2014 , 195, 194-204	38
589	Experimental investigation of heat transfer coefficient and friction factor of ethylene glycol water based TiO2 nanofluid in double pipe heat exchanger with and without helical coil inserts. 5.8 International Communications in Heat and Mass Transfer, 2014, 50, 68-76	115
588	Study of forced convection nanofluid heat transfer in the automotive cooling system. <i>Case Studies in Thermal Engineering</i> , 2014 , 2, 50-61	141
587	An experimental investigation and new correlation of viscosity of ZnOEG nanofluid at various temperatures and different solid volume fractions. 2014 , 55, 1-5	145
586	Convective heat transfer enhancement of graphene nanofluids in shell and tube heat exchanger. 2014 , 53, 136-141	143
585	Uncertainties in modeling thermal conductivity of laminar forced convection heat transfer with water alumina nanofluids. 2014 , 68, 78-84	43
584	Natural Convection of Nanofluids in a Cavity with Nonuniform Temperature Distributions on Side Walls. 2014 , 65, 247-268	46
583	The role of a convective surface in models of the radiative heat transfer in nanofluids. 2014 , 275, 382-392	11

582	Hydromagnetic flow of a Cullwater nanofluid past a moving wedge with viscous dissipation. 2014 , 23, 044402		10
581	Heat Transfer and Friction Factor With Water/Propylene Glycol-Based CuO Nanofluid in Circular Tube with Helical Inserts Under Transition Flow Regime. 2014 , 35, 53-62		21
580	Solar radiation assisted mixed convection MHD flow of nanofluids over an inclined transparent plate embedded in a porous medium. 2014 , 28, 3885-3893		3
579	Copper nanoparticle analysis for peristaltic flow in a curved channel with heat transfer characteristics. 2014 , 129, 1		9
578	Copper nanoparticles impinging on a curved channel with compliant walls and peristalsis. 2014 , 129, 1		24
577	Influence of particle concentration and temperature on the thermophysical properties of CuO/R134a nanorefrigerant. <i>International Communications in Heat and Mass Transfer</i> , 2014 , 58, 79-84	5.8	27
576	Numerical Investigation on the Turbulent Flow Characteristic of Nanofluids in a Horizontal Circular Tube. 2014 , 66, 646-668		11
575	On the mechanism of convective heat transfer enhancement in a turbulent flow of nanofluid investigated by DNS and analyses of POD and FSP. 2014 , 78, 277-288		11
574	A Comprehensive Review on Different Numerical Approaches for Simulation in Nanofluids: Traditional and Novel Techniques. 2014 , 35, 984-996		68
573	Transient mixed convection flow of nanofluids in a vertical tube. 2014 , 24, 376-389		4
572	Influence of different design parameters and Al 2 O 3 -water nanofluid flow on heat transfer and flow characteristics of sinusoidal-corrugated channels. 2014 , 88, 96-105		77
571	Lattice Boltzmann method for convective heat transfer of nanofluids IA review. <i>Renewable and Sustainable Energy Reviews</i> , 2014 , 38, 864-875	16.2	35
570	Gas absorption using a nanofluid solvent: kinetic and equilibrium study. 2014 , 50, 1699-1706		12
569	Comparative numerical study of single and two-phase models of nanofluid heat transfer in wavy channel. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2014 , 35, 831-848	3.2	100
568	Numerical analysis of entropy generation in nanofluid flow over a transparent plate in porous medium in presence of solar radiation, viscous dissipation and variable magnetic field. 2014 , 28, 1819-18.	31	12
567	MHD Three-Dimensional Boundary Layer Flow of Casson Nanofluid Past a Linearly Stretching Sheet With Convective Boundary Condition. 2014 , 13, 109-115		115
566	Mathematical correlations on factors affecting the thermal conductivity and dynamic viscosity of nanorefrigerants. <i>International Communications in Heat and Mass Transfer</i> , 2014 , 58, 125-131	5.8	18
565	Nanofluidics. 2014,		21

564	Natural convection of nanofluids in enclosures with low aspect ratios. 2014 , 39, 15275-15286		46
563	Experimental Study of Heat Transfer of a Car Radiator with CuO/Ethylene Glycol-Water as a Coolant. 2014 , 35, 677-684		94
562	An analytical consideration of steady-state forced convection within a nanofluid-saturated metal foam. 2015 , 769, 590-620		30
561	? Performance of Heat Exchangers Using Nanofluids. 2015 , 221-250		
560	? Mechanisms and Models of Thermal Conductivity in Nanofluids. 2015, 87-116		
559	Thermal Performance of a Receiver Tube for a High Concentration Ratio Parabolic Trough System and Potential for Improved Performance With Syltherm800-CuO Nanofluid. 2015 ,		16
558	Heat transfer enhancement in annulus cooling channel subjected to constant heat flux by using Nano-fluid. 2015 ,		
557	Enhancement of Heat Transfer Characteristics in an Absorber Tube of a Solar-Based Energy System Using Nanofluids. 2015 ,		
556	The empirical correlations for natural convection heat transfer Al2O3 and ZrO2 nanofluid in vertical sub-channel. 2015 , 88, 012053		1
555	Nanofluids and Thermal Management Strategy for Automotive Application. 2015,		2
<i>555 554</i>	Nanofluids and Thermal Management Strategy for Automotive Application. 2015, Experimental and numerical investigations of turbulent forced convection flow of nano-fluid in helical coiled tubes at constant surface temperature. 2015, 283, 178-189		43
	Experimental and numerical investigations of turbulent forced convection flow of nano-fluid in	5.8	
554	Experimental and numerical investigations of turbulent forced convection flow of nano-fluid in helical coiled tubes at constant surface temperature. 2015 , 283, 178-189 Numerical simulation and optimization of turbulent nanofluids in a three-dimensional rectangular	5.8	43
554 553	Experimental and numerical investigations of turbulent forced convection flow of nano-fluid in helical coiled tubes at constant surface temperature. 2015 , 283, 178-189 Numerical simulation and optimization of turbulent nanofluids in a three-dimensional rectangular rib-grooved channel. <i>International Communications in Heat and Mass Transfer</i> , 2015 , 66, 71-79 Second Law Analysis of Heat and Mass Transfer of Nanofluids Along a Plate With Prescribed	5.8	43
554553552	Experimental and numerical investigations of turbulent forced convection flow of nano-fluid in helical coiled tubes at constant surface temperature. 2015 , 283, 178-189 Numerical simulation and optimization of turbulent nanofluids in a three-dimensional rectangular rib-grooved channel. <i>International Communications in Heat and Mass Transfer</i> , 2015 , 66, 71-79 Second Law Analysis of Heat and Mass Transfer of Nanofluids Along a Plate With Prescribed Surface Heat Flux. 2015 , 137, Temperature Dependency of Thermophysical Properties in Convective Heat Transfer Enhancement	5.8	43 34 8
554553552551	Experimental and numerical investigations of turbulent forced convection flow of nano-fluid in helical coiled tubes at constant surface temperature. 2015, 283, 178-189 Numerical simulation and optimization of turbulent nanofluids in a three-dimensional rectangular rib-grooved channel. <i>International Communications in Heat and Mass Transfer</i> , 2015, 66, 71-79 Second Law Analysis of Heat and Mass Transfer of Nanofluids Along a Plate With Prescribed Surface Heat Flux. 2015, 137, Temperature Dependency of Thermophysical Properties in Convective Heat Transfer Enhancement in Nanofluids. 2015, 29, 504-512 Recent progress on lattice Boltzmann simulation of nanofluids: A review. <i>International</i>		43 34 8
554553552551550	Experimental and numerical investigations of turbulent forced convection flow of nano-fluid in helical coiled tubes at constant surface temperature. 2015, 283, 178-189 Numerical simulation and optimization of turbulent nanofluids in a three-dimensional rectangular rib-grooved channel. International Communications in Heat and Mass Transfer, 2015, 66, 71-79 Second Law Analysis of Heat and Mass Transfer of Nanofluids Along a Plate With Prescribed Surface Heat Flux. 2015, 137, Temperature Dependency of Thermophysical Properties in Convective Heat Transfer Enhancement in Nanofluids. 2015, 29, 504-512 Recent progress on lattice Boltzmann simulation of nanofluids: A review. International Communications in Heat and Mass Transfer, 2015, 66, 11-22 Thermal and Thermodynamic Performance of a Parabolic Trough Receiver with Syltherm800-Al2O3		43 34 8 11 21

546	Mixed convective magnetohydrodynamic flow in a vertical channel filled with nanofluids. 2015 , 18, 244-255	47
545	Studying nanoparticle distribution in nanofluids considering the effective factors on particle migration and determination of phenomenological constants by Eulerian Lagrangian simulation. 2015 , 26, 802-810	36
544	Effect of Volume Fraction of FAl2O3 Nanofluid on Heat Transfer Enhancement in a Concentric Tube Heat Exchanger. 2015 , 36, 1387-1396	14
543	Experimental investigation on viscosity of water-based Al2O3 and TiO2 nanofluids. 2015, 54, 411-422	50
542	Numerical simulation of natural convection between a decentered triangular heating cylinder and a square outer cylinder filled with a pure fluid or a nanofluid using the lattice Boltzmann method. 2015 , 277, 193-205	30
541	Simulation of Nanofluids Turbulent Forced Convection at High Reynolds Number: A Comparison Study of Thermophysical Properties Influence on Heat Transfer Enhancement. 2015 , 94, 555-575	14
540	Analysis of Heat Transfer and Entropy Generation of TiO2-Water Nanofluid Flow in a Pipe under Transition. 2015 , 105, 381-387	3
539	Thermodynamic analysis and optimization of fully developed turbulent forced convection in a circular tube with waterAl2O3 nanofluid. 2015 , 89, 694-706	34
538	Unsteady MHD boundary layer stagnation point flow with heat and mass transfer in nanofluid in the presence of mass fluid suction and thermal radiation. 2015 , 130, 1	3
537	Thermodynamic optimisation of the performance of a parabolic trough receiver using synthetic oil Al 2 O 3 nanofluid. 2015 , 156, 398-412	148
536	The effect of temperature and particles concentration on the determination of thermo and physical properties of SWCNT-nanorefrigerant. <i>International Communications in Heat and Mass</i> 5.8 <i>Transfer</i> , 2015 , 67, 8-13	25
535	Magnetohydrodynamic (MHD) mixed convection stagnation point flow of a nanofluid over a vertical plate with viscous dissipation. 2015 , 93, 1365-1374	16
534	Experimental determination of thermal conductivity and dynamic viscosity of AgMgO/water hybrid nanofluid. <i>International Communications in Heat and Mass Transfer</i> , 2015 , 66, 189-195	355
533	Induced flow field of randomly moving nanoparticles: a statistical perspective. 2015 , 18, 1317-1328	4
532	A Review on the Discrete Boltzmann Model for Nanofluid Heat Transfer in Enclosures and Channels. 2015 , 67, 463-488	17
531	Carbon nanotubes analysis for the peristaltic flow in curved channel with heat transfer. 2015 , 259, 231-241	24
530	Analysis of three-dimensional boundary-layer nanofluid flow and heat transfer over a stretching surface by means of the homotopy analysis method. 2015 , 2015,	5
529	Non-similar solution of free convective flow of power law nanofluids in porous medium along a vertical cone and plate with thermal and mass convective boundary conditions. 2015 , 93, 1144-1155	10

528	Nanofluid flow and heat transfer in an enclosure. 2015 , 31-76		3
527	Introduction to Nanotechnology, Nanomechanics, Micromechanics, and Nanofluid. 2015, 1-11		2
526	Myth about nano-fluid heat transfer enhancement. 2015 , 86, 397-403		35
525	Study of Forced Convection of a Nanofluid Used as a Heat Carrier in a Microchannel Heat Sink. 2015 , 74, 633-642		8
524	Experimental and numerical study of thermo-hydraulic performance of circumferentially ribbed tube with Al2O3 nanofluid. <i>International Communications in Heat and Mass Transfer</i> , 2015 , 69, 34-40	5.8	16
523	Reviews on drag reducing polymers. 2015 , 32, 1455-1476		17
522	Effects of nanoparticles on the peristaltic motion of tangent hyperbolic fluid model in an annulus. 2015 , 54, 843-851		24
521	Heat transfer analysis of piston cooling using nanofluids in the gallery. 2015 , 10, 28-33		4
520	Forced Convective Heat Transfer in AL2O3-air Nanoaerosol. 2015 ,		О
519	Entropy generation in mixed convection magnetohydrodynamic nanofluid flow in vertical channel. 2015 , 91, 1026-1033		32
518	Application of nanofluids in plate heat exchanger: A review. 2015 , 105, 1017-1036		115
517	Review on thermal properties of nanofluids: Recent developments. 2015 , 225, 146-76		263
516	A review of studies on using nanofluids in flat-plate solar collectors. 2015 , 122, 1245-1265		91
515	Numerical Simulation of Nanoparticles Concentration Effect on Forced Convection in a Tube With Nanofluids. 2015 , 36, 1144-1153		13
514	Heat and Mass Transfer of Nanofluid from Horizontal Cylinder to Micropolar Fluid. 2015 , 29, 127-139		30
513	A review on the applications of nanofluids in solar energy systems. <i>Renewable and Sustainable Energy Reviews</i> , 2015 , 43, 584-598	16.2	258
512	Ultrafast cooling of a hot moving steel plate by using alumina nanofluid based air atomized spray impingement. <i>Applied Thermal Engineering</i> , 2015 , 75, 738-747	5.8	28
511	Three-dimensional natural convection in a porous enclosure filled with a nanofluid using Buongiornol mathematical model. 2015 , 82, 396-405		118

510	Study of viscosity and specific heat capacity characteristics of water-based Al2O3 nanofluids at low particle concentrations. 2015 , 10, 86-102	111
509	Application of GPU processing for Brownian particle simulation. 2015 , 186, 39-47	4
508	Influence of the geometry of cylindrical enclosure on natural convection heat transfer of Newtonian nanofluids. 2015 , 94, 673-680	20
507	Numerical study of low concentration nanofluids pool boiling, investigating of boiling parameters introducing nucleation site density ratio. 2015 , 51, 601-609	6
506	Development of new correlations for the Nusselt number and the friction factor under turbulent flow of nanofluids in flat tubes. 2015 , 80, 353-367	58
505	Experimental and numerical investigation of turbulent nanofluid flow in helically coiled tubes under constant wall heat flux using Eulerian[lagrangian approach. 2015 , 269, 93-100	71
504	Effects of Al2O3fu/water hybrid nanofluid on heat transfer and flow characteristics in turbulent regime. 2015 , 26, 1550047	104
503	Unsteady MHD free convective flow past a permeable stretching vertical surface in a nano-fluid. 2015 , 87, 136-145	149
502	Numerical Study of Three Different Approaches to Simulate Nanofluids Flow and Heat Transfer in a Microtube. 2016 , 45, 46-58	10
501	Magnetohydrodynamic and ferrohydrodynamic. 2016 , 1-47	15
500	Magnetohydrodynamic and ferrohydrodynamic. 2016 , 1-47 Critical Review on Nanofluids: Preparation, Characterization, and Applications. 2016 , 2016, 1-22	15 73
500	Critical Review on Nanofluids: Preparation, Characterization, and Applications. 2016 , 2016, 1-22 Heat Transfer Enhancement and Entropy Generation of Nanofluids Laminar Convection in	73
500	Critical Review on Nanofluids: Preparation, Characterization, and Applications. 2016, 2016, 1-22 Heat Transfer Enhancement and Entropy Generation of Nanofluids Laminar Convection in Microchannels with Flow Control Devices. 2016, 18, 134 Second Law Analysis of Nanofluid Flow within a Circular Minichannel Considering Nanoparticle	73
500 499 498	Critical Review on Nanofluids: Preparation, Characterization, and Applications. 2016, 2016, 1-22 Heat Transfer Enhancement and Entropy Generation of Nanofluids Laminar Convection in Microchannels with Flow Control Devices. 2016, 18, 134 Second Law Analysis of Nanofluid Flow within a Circular Minichannel Considering Nanoparticle Migration. 2016, 18, 378	73 30 2
500 499 498 497	Critical Review on Nanofluids: Preparation, Characterization, and Applications. 2016, 2016, 1-22 Heat Transfer Enhancement and Entropy Generation of Nanofluids Laminar Convection in Microchannels with Flow Control Devices. 2016, 18, 134 Second Law Analysis of Nanofluid Flow within a Circular Minichannel Considering Nanoparticle Migration. 2016, 18, 378 A Volume Averaging Theory for Convective Flow in a Nanofluid Saturated Metal Foam. 2016, 1, 8 Laminar convective heat transfer characteristic of Al2O3/water nanofluid in a circular	73 30 2
500 499 498 497 496	Critical Review on Nanofluids: Preparation, Characterization, and Applications. 2016, 2016, 1-22 Heat Transfer Enhancement and Entropy Generation of Nanofluids Laminar Convection in Microchannels with Flow Control Devices. 2016, 18, 134 Second Law Analysis of Nanofluid Flow within a Circular Minichannel Considering Nanoparticle Migration. 2016, 18, 378 A Volume Averaging Theory for Convective Flow in a Nanofluid Saturated Metal Foam. 2016, 1, 8 Laminar convective heat transfer characteristic of Al2O3/water nanofluid in a circular microchannel. 2016, 759, 012088	73 30 2 0 3

(2016-2016)

492	MHD Natural Convection Flow of Casson Nanofluid over Nonlinearly Stretching Sheet Through Porous Medium with Chemical Reaction and Thermal Radiation. 2016 , 11, 527		39
491	Steady laminar mixed convection stagnation-point flow of a nanofluid over a vertical permeable surface in the presence of a magnetic field. 2016 , 57, 1031-1041		5
490	Natural convection in a wavy open porous cavity filled with a nanofluid: Tiwari and Das[hanofluid model. 2016 , 131, 1		36
489	Influences of an effective Prandtl number model on nano boundary layer flow of 🗚 2O3 🛱 2O and 🛱 2O3 🛱 2H6O2 over a vertical stretching sheet. 2016 , 98, 616-623		56
488	SiO2 nanofluid planar jet impingement cooling on a convex heated plate. 2016 , 52, 2735-2746		4
487	Nanofluid convective heat transfer using semi analytical and numerical approaches: A review. 2016 , 65, 43-77		282
486	Numerical solutions for magnetohydrodynamic flow of nanofluid over a bidirectional non-linear stretching surface with prescribed surface heat flux boundary. 2016 , 417, 189-196		118
485	Numerical investigation of nanofluid heat transfer inside trapezoidal microchannels using a novel dispersion model. 2016 , 27, 1464-1472		13
484	Specific heat control of nanofluids: A critical review. 2016 , 107, 25-38		77
483	Heat transfer augmentation of ethylene glycol: water nanofluids and applications 🖪 review. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 75, 13-23	5.8	42
483		5.8	3
	International Communications in Heat and Mass Transfer, 2016 , 75, 13-23	5.8	
482	International Communications in Heat and Mass Transfer, 2016, 75, 13-23 Numerical study of turbulent nanofluid flow at the entrance region of a ribbed pipe. 2016, 91, 034004 A comparative study of mixed convection and its effect on partially active thermal zones in a two	5.8	3
482 481	International Communications in Heat and Mass Transfer, 2016, 75, 13-23 Numerical study of turbulent nanofluid flow at the entrance region of a ribbed pipe. 2016, 91, 034004 A comparative study of mixed convection and its effect on partially active thermal zones in a two sided lid-driven cavity filled with nanofluid. 2016, 19, 1283-1298	5.8	3
482 481 480	Numerical study of turbulent nanofluid flow at the entrance region of a ribbed pipe. 2016, 91, 034004 A comparative study of mixed convection and its effect on partially active thermal zones in a two sided lid-driven cavity filled with nanofluid. 2016, 19, 1283-1298 Flow of nanofluid plane wall jet and heat transfer. 2016, 59, 18-24 Thermal performance and entropy generation analysis of a high concentration ratio parabolic	5.8	3567
482 481 480 479	Numerical study of turbulent nanofluid flow at the entrance region of a ribbed pipe. 2016, 91, 034004 A comparative study of mixed convection and its effect on partially active thermal zones in a two sided lid-driven cavity filled with nanofluid. 2016, 19, 1283-1298 Flow of nanofluid plane wall jet and heat transfer. 2016, 59, 18-24 Thermal performance and entropy generation analysis of a high concentration ratio parabolic trough solar collector with Cu-Therminol VP-1 nanofluid. 2016, 120, 449-465 Comment on Berformance of CNT-water nanofluid as coolant fluid in shell and tube intercooler of	5.8	3567142
482 481 480 479 478	Numerical study of turbulent nanofluid flow at the entrance region of a ribbed pipe. 2016, 91, 034004 A comparative study of mixed convection and its effect on partially active thermal zones in a two sided lid-driven cavity filled with nanofluid. 2016, 19, 1283-1298 Flow of nanofluid plane wall jet and heat transfer. 2016, 59, 18-24 Thermal performance and entropy generation analysis of a high concentration ratio parabolic trough solar collector with Cu-Therminol VP-1 nanofluid. 2016, 120, 449-465 Comment on Performance of CNT-water nanofluid as coolant fluid in shell and tube intercooler of a LPG absorber tower 2016, 103, 1378-1379	5.8	3 5 67 142 2

474	Numerical simulation and optimization of turbulent nanofluids in a three-dimensional arc rib-grooved channel. 2016 , 70, 831-846		9
473	Convective heat transfer enhancement with nanoaerosols. 2016 , 102, 1180-1189		4
472	A cascade nanofluid-based PV/T system with optimized optical and thermal properties. 2016 , 112, 963-9	75	94
471	Numerical simulation and optimization of nanofluid in a C-shaped chaotic channel. 2016 , 70, 366-383		5
470	Nanofluid flow and heat transfer around a circular cylinder: A study on effects of uncertainties in effective properties. <i>Journal of Molecular Liquids</i> , 2016 , 223, 572-588	6	14
469	Three-dimensional lattice Boltzmann simulation of suspensions containing both micro- and nanoparticles. <i>International Journal of Heat and Fluid Flow</i> , 2016 , 62, 560-567	2.4	17
468	Mixed convection heat transfer of nanofluid over microscale vertical duct preceded with a double-step expansion using Lattice Boltzmann Method. 2016 , 11, JTST0003-JTST0003		
467	Numerical investigation of nanofluid flow and conjugated heat transfer in a micro-heat-exchanger using the lattice Boltzmann method. 2016 , 70, 1390-1401		15
466	Improving the cooling performance of automobile radiator with ethylene glycol water based TiO2 nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 78, 121-126	5.8	105
465	Review of the mechanisms responsible for heat transfer enhancement using nanofluids. <i>Applied Thermal Engineering</i> , 2016 , 108, 720-739	5.8	129
464	CFD study of forced convective heat transfer enhancement in a 90° bend duct of square cross section using nanofluid. 2016 , 41, 795-804		7
463	An experimental determination of thermal conductivity and viscosity of BioGlycol/water based TiO2 nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 77, 22-32	5.8	59
462	References. 2016 , 267-302		
461	Turbulence Model Evaluation for Numerical Modelling of Turbulent Flow and Heat Transfer of Nanofluids. 2016 , 831, 165-180		2
460	Numerical investigation of heat transfer enhancement from a protruded surface by cross-flow jet using Al2O3Mater nanofluid. 2016 , 101, 550-561		12
459	Heat transfer augmentation in a tube using nanofluids under constant heat flux boundary condition: A review. 2016 , 123, 290-307		49
458	Heat transfer performance of closed conduit turbulent flow: Constant mean velocity and temperature do matter!. 2016 , 64, 285-298		7
457	Influences of slip and Cu-blood nanofluid in a physiological study of cilia. 2016 , 131, 169-80		25

456	Potential of enhancing a natural convection loop with a thermomagnetically pumped ferrofluid. 2016 , 417, 148-159	11
455	Nanofluid forced convection in entrance region of a baffled channel considering nanoparticle migration. <i>Applied Thermal Engineering</i> , 2016 , 106, 293-306	12
454	Numerical modeling of convective heat transfer of thermally developing nanofluid flows in a horizontal microtube. 2016 , 109, 54-69	24
453	Review on nanofluids characterization, heat transfer characteristics and applications. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 64, 163-173	138
452	CFD study of slot jet impingement heat transfer with nanofluids. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2016 , 230, 206-220	8
451	Unsteady Mixed Bioconvection Flow of a Nanofluid Between Two Contracting or Expanding Rotating Discs. 2016 , 71, 261-272	12
450	Numerical analysis of convective heat transfer of nanofluids in circular ducts with two-phase mixture model approach. 2016 , 52, 1841-1850	3
449	Effects of non-Newtonian behaviour on the thermal performance of nanofluids in a horizontal channel with discrete regions of heating and cooling. <i>Applied Thermal Engineering</i> , 2016 , 94, 404-412	25
448	Numerical study of convective heat transfer of nanofluids: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 54, 1212-1239	179
447	Assessment of nanofluids for laminar convective heat transfer: A numerical study. 2016 , 19, 574-586	17
446	Convective heat transfer and MHD effects on two dimensional wall jet flow of a nanofluid with passive control model. 2016 , 49, 225-230	27
445	Latest development on computational approaches for nanofluid flow modeling: NavierBtokes based multiphase models. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 74, 114-124	29
444	Numerical simulation and optimization of turbulent nanofluids in a three-dimensional wavy channel. 2016 , 69, 1169-1185	9
443	Semi-analytical solution for the flow of a nanofluid over a permeable stretching/shrinking sheet with velocity slip using Buongiornol mathematical model. 2016 , 58, 39-49	20
442	Numerical resizing study of Al2O3 and CuO nanofluids in the flat tubes of a radiator. 2016 , 40, 6437-6450	49
441	Environmental impacts and hazards associated with metal working fluids and recent advances in the sustainable systems: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 60, 1008-1031	53
440	A comparative theoretical study on Al2O3 and EAl2O3 nanoparticles with different base fluids over a stretching sheet. 2016 , 27, 436-441	25
439	Optimization design of micro-channel heat sink using nanofluid by numerical simulation coupled with genetic algorithm. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 72, 29-38	28

438	Experimental investigation of forced convective heat transfer enhancement of FAl2O3/water nanofluid in a tube. 2016 , 30, 943-952		22
437	Homotopy analysis method for unsteady mixed convective stagnation-point flow of a nanofluid using Tiwari-Das nanofluid model. 2016 , 26, 40-62		40
436	Investigating the potential impact of nanofluids on the performance of condensers and evaporators (A) general approach. <i>Applied Thermal Engineering</i> , 2016 , 100, 577-585	5.8	3
435	Effect of magnetic field on laminar convective heat transfer characteristics of ferrofluid flowing through a circular stainless steel tube. <i>International Journal of Heat and Fluid Flow</i> , 2016 , 59, 74-86	2.4	58
434	Single-phase models for improved estimation of friction factor for laminar nanofluid flow in pipes. 2016 , 95, 416-425		8
433	Numerical Study on Mixed Convection and Entropy Generation of a Nanofluid in a Lid-Driven Square Enclosure. 2016 , 138,		28
432	Numerical Analysis of Mixed Convection of Nanofluids Inside a Vertical Channel. 2016 , 13, 1650012		2
431	A multi-phase ferrofluid flow model with equation of state for thermomagnetic pumping and heat transfer. 2016 , 402, 8-19		18
430	Three-dimensional stagnation flow of a nanofluid containing both nanoparticles and microorganisms on a moving surface with anisotropic slip. 2016 , 40, 4136-4150		28
429	Natural convection of silical water nanofluids based on experimental measured thermophysical properties: critical analysis. 2016 , 52, 1649-1663		12
428	The Viscosity of Nanofluids: A Review of the Theoretical, Empirical, and Numerical Models. 2016 , 37, 387-421		139
427	Experimental study of the effect of drag reducing agent on pressure drop and thermal efficiency of an air cooler. 2016 , 52, 63-72		10
426	Local convective heat transfer coefficient and friction factor of CuO/water nanofluid in a microchannel heat sink. 2017 , 53, 661-671		25
425	Natural Convection Heat Transfer of Liquid Metal Gallium Nanofluids in a Rectangular Enclosure. 2017 , 46, 1-17		5
424	Implementation of diffusion and electrostatic forces to produce a new slip velocity in the multiphase approach to nanofluids. 2017 , 307, 153-162		10
423	CFD investigation of local properties of Al 2 O 3 /water nanofluid in a converging microchannel under imposed pressure difference. 2017 , 28, 763-774		14
422	Free-convective flow of copper/water nanofluid about a rotating down-pointing cone using Tiwari-Das nanofluid scheme. 2017 , 28, 900-909		47
421	Numerical analysis of thermal hydraulic performance of Al2O3 200 200 200 200 200 200 200 200 200 20	5.6	16

420	Axisymmetric mixed convective stagnation-point flow of a nanofluid over a vertical permeable cylinder by Tiwari-Das nanofluid model. 2017 , 311, 147-156		42
419	Numerical study on free-surface jet impingement cooling with nanoencapsulated phase-change material slurry and nanofluid. 2017 , 109, 312-325		32
418	Numerical study of laminar-forced convection of Al2O3-water nanofluids between two parallel plates. 2017 , 31, 785-796		12
417	Numerical simulation and optimization of nanofluids in a complex micro heat sink. 2017 , 71, 341-359		6
416	Thermally developing flow of Al2O3-water nanofluid through regular N-sided polygonal ducts: A semi-analytic weighted residuals approach. 2017 , 78, 136-156		1
415	Numerical Investigations on the Advantage of Nanofluids under DDMC in a Lid-Driven Cavity. 2017 , 46, 1065-1086		3
414	Optimal thermal and thermodynamic performance of a solar parabolic trough receiver with different nanofluids and at different concentration ratios. 2017 , 193, 393-413		132
413	Comparative study of convective heat transfer characteristics of nanofluids. 2017 , 53, 2309-2316		1
412	Experimental investigation of free single jet impingement using SiO2-water nanofluid. 2017, 84, 39-46		26
411	Combined effects of viscous dissipation and Joule heating on MHD Sisko nanofluid over a stretching cylinder. <i>Journal of Molecular Liquids</i> , 2017 , 231, 341-352		77
410	Free convection of water Be 3 O 4 nanofluid in an inclined cavity subjected to a magnetic field: CFD modeling, sensitivity analysis. 2017 , 28, 1573-1584		11
409	Experimental investigation of thermophysical properties of Al 2 O 3 Water nanofluid: Role of surfactants. <i>Journal of Molecular Liquids</i> , 2017 , 237, 304-312		75
408	Comparative Study of Heat Transfer and Friction Factor Characteristics of Nanofluids in Rectangular Channel. 2017 , 170, 541-546		10
407	Two-phase mixture numerical simulation of natural convection of nanofluid flow in a cavity partially filled with porous media to enhance heat transfer. <i>Journal of Molecular Liquids</i> , 2017 , 238, 553-569		80
406	Analysis of single phase, discrete and mixture models, in predicting nanofluid transport. 2017 , 114, 225-23	7	87
405	A numerical study on ZnO based nanofluids behavior on natural convection. 2017 , 114, 286-296		30
404	Numerical investigation for heat transfer enhancement using nanofluids over ribbed confined one-end closed flat-plate. 2017 , 56, 333-343		10
403	Numerical study of nanofluid heat transfer for different tube geometries IA comprehensive review on performance. <i>International Communications in Heat and Mass Transfer</i> , 2017 , 86, 60-70	3	20

402	Magneto-nanofluid numerical modelling of chemically reactive Eyring-Powell fluid flow towards both flat and cylindrical an inclined surfaces: A comparative study. 2017 , 7, 065103	26
401	Self-similar analysis of fluid flow, heat, and mass transfer at orthogonal nanofluid impingement onto a flat surface. 2017 , 29, 052005	11
400	Experimental investigation on the influence of high temperature on viscosity, thermal conductivity and absorbance of ammonia water nanofluids. 2017 , 82, 189-198	23
399	Contemporary trends in thermo-hydraulic testing and modeling of automotive radiators deploying nano-coolants and aerodynamically efficient air-side fins. <i>Renewable and Sustainable Energy</i> 16.2 <i>Reviews</i> , 2017 , 76, 1208-1229	9
398	Thermocapillary flow of a non-Newtonian nanoliquid film over an unsteady stretching sheet. 2017,	5
397	Heat transfer from a hot moving steel plate by using Cu-Al layered double hydroxide nanofluid based air atomized spray. <i>Experimental Heat Transfer</i> , 2017 , 30, 500-516	7
396	Numerical simulation of convective heat transfer of nonhomogeneous nanofluid using Buongiorno model. 2017 , 53, 2627-2636	6
395	Performance of nanofluid-based photovoltaic/thermal systems: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 76, 323-352	109
394	Assessment of Alumina Nanofluid as a Coolant in Double Pipe Gas Cooler for Trans-critical CO2 Refrigeration Cycle. 2017 , 109, 219-226	5
393	Hydromagnetic natural convection flow of water-based nanofluid along a vertical wavy surface with heat generation. <i>Journal of Molecular Liquids</i> , 2017 , 229, 246-254	11
392	Enhanced thermal properties of Li2CO3Na2CO3R2CO3 nanofluids with nanoalumina for heat transfer in high-temperature CSP systems. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017 , 128, 1783-1792	17
391	A comparative study of nanofluids flow yields by an inclined cylindrical surface in a double stratified medium. 2017 , 132, 1	29
390	Review on application CuO/distilled water & Al2O3/distilled water for enhancement heat transfer characteristics in cooling systems. 2017 ,	
389	Comparative assessment of numerical models for nanofluids laminar forced convection in micro and mini channels. 2017 , 115, 513-523	24
388	Entropy generation analysis in a 180-degree return bend pipe using nanofluid. 2017,	
387	Simulation of nanofluid heat transfer in presence of magnetic field: A review. 2017 , 115, 1203-1233	283
386	Numerical Studies on the Laminar Thermal-Hydraulic Efficiency of Water-Based Al2O3 Nanofluid in Circular and Non-Circular Ducts. 2017 , 12,	
385	Physical aspects of nanoparticles in non-Newtonian liquid in the presence of chemically reactive species through parabolic approach. 2017 , 7, 2540-2549	14

384	Thermophysical aspects of stagnation point magnetonanofluid flow yields by an inclined stretching cylindrical surface: a non-Newtonian fluid model. 2017 , 39, 3669-3682	50
383	Study of the possibilities of thermal performance enhancement of flat plate solar water collectors by using of nanofluids as heat transfer fluid. 2017 , 53, 250-257	3
382	Simulation of Sweating/Evaporation Boosted Convective Heat Transfer Under Laminar Flow Condition. 2017 ,	3
381	Effect of alumina nanofluid jet on the enhancement of heat transfer from a steel plate. 2017 , 53, 2187-2197	9
380	A mixed convection flow and heat transfer of pseudo-plastic power law nanofluids past a stretching vertical plate. 2017 , 105, 350-358	38
379	Theoretical investigation of laminar flow convective heat transfer in a circular duct for a non-Newtonian nanofluid. <i>Applied Thermal Engineering</i> , 2017 , 112, 1027-1039	15
378	On the convective thermal performance of a CPU cooler working with liquid gallium and CuO/water nanofluid: A comparative study. <i>Applied Thermal Engineering</i> , 2017 , 112, 1373-1381	87
377	Experimental analysis of natural convection in vertical annuli filled with AlN and TiO2/mineral oil-based nanofluids. 2017 , 111, 138-145	45
376	Experimental study on the heat transfer and flow properties of EAl2O3/water nanofluid in a double-tube heat exchanger. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017 , 127, 2561-2575	65
375	Thermal and power performance analysis for heat transfer applications of nanofluids in flows around cylinder. <i>Applied Thermal Engineering</i> , 2017 , 112, 61-72	14
374	Experimental study of using EAl2O3Ivater nanofluid flow through aluminum foam heat sink: Comparison with numerical approach. 2017 , 107, 181-203	43
373	A new model to predict the densities of nanofluids using statistical mechanics and artificial intelligent plus principal component analysis. 2017 , 25, 1273-1281	9
372	Enhancing the thermal performance of AL2O3/DI water nanofluids in micro-fin tube equipped with straight and left-right twisted tapes in turbulent flow regime. <i>Experimental Heat Transfer</i> , 2017 , 30, 267-283	16
371	Analysis of nanofluid transport through a wavy channel. 2017 , 72, 869-890	24
370	Convective heat transfer enhancement with nanofluids. 2017,	
369	Numerical analysis of MHD three-dimensional Carreau nanoliquid flow over bidirectionally moving surface. 2017 , 39, 5037-5047	24
368	Thermophysical Properties of Metal Oxides Nanofluids. 2017,	7
367	Exergy Analysis of a Parallel-Plate Active Magnetic Regenerator with Nanofluids. 2017 , 19, 464	9

366	The RSM approach to develop a new correlation for density of metal-oxide aqueous nanofluids. 2017 , 210, 012071	7
365	Nanofluid: Definition and Applications. 2017 , 1-52	2
364	Entropy Generation Analysis and Performance Evaluation of Turbulent Forced Convective Heat Transfer to Nanofluids. 2017 , 19, 108	26
363	Heat transfer model for thermal performance analysis of parabolic trough solar collectors using nanofluids. 2018 , 125, 334-343	53
362	Reliability of Nanofluid Concentration on the Heat Transfer Augmentation in Engine Radiator. 2018 , 19, 233-243	8
361	Numerical Study of Heat Transfer Enhancement of Nano Liquid-Metal Fluid Forced Convection in Circular Tube. 2018 , 140,	10
360	Numerical analysis of nanofluid flow inside a trapezoidal microchannel using different approaches. 2018 , 29, 1749-1757	9
359	Up to date review on the synthesis and thermophysical properties of hybrid nanofluids. 2018 , 190, 169-192	111
358	Turbulent flow of Al 2 O 3 -water nanofluid through plate-fin heat exchanger (PFHE) with offset-strip channels. <i>Thermal Science and Engineering Progress</i> , 2018 , 6, 164-176	19
357	Effect of Ratio of Protrusion Height to Print Diameter on Thermal Behaviour of Al2O3日2O Nanofluid Flow in a Protrusion Obstacle Square Channel. 2018 , 277-287	
356	Investigation of heat transfer and pressure drop of turbulent flow in tubes with successive alternating wall deformation under constant wall temperature boundary conditions. 2018 , 40, 1	9
355	Induced magnetic field analysis for the peristaltic transport of non-Newtonian nanofluid in an annulus. <i>Mathematics and Computers in Simulation</i> , 2018 , 148, 16-36	32
354	A new effective viscosity model for nanofluids. 2018 , 28, 571-583	5
353	Development of a new density correlation for carbon-based nanofluids using response surface methodology. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018 , 132, 1399-1407	20
352	Heat transfer and entropy generation analysis of alumina/water nanofluid in a flat plate PV/T collector under equal pumping power comparison criterion. 2018 , 120, 14-22	34
351	Surface modification of carbon nanotubes with copper oxide nanoparticles for heat transfer enhancement of nanofluids 2018 , 8, 1791-1802	47
350	Viscosity estimation of Al2O3, SiO2 nanofluids and their hybrid: An experimental study. <i>Journal of Molecular Liquids</i> , 2018 , 253, 188-196	59
349	Effects of nanoparticles dispersion on the mixed convection of a nanofluid in a skewed enclosure. 2018 , 125, 908-919	18

(2018-2018)

348	Unsteady MHD flow and heat transfer of fractional Maxwell viscoelastic nanofluid with Cattaneo heat flux and different particle shapes. 2018 , 56, 1199-1211	49
347	Nanoparticles individualities in both Newtonian and Casson fluid models by way of stratified media: A numerical analysis. 2018 , 41, 37	21
346	Mixed convective stagnation point flow of nanofluid with Darcy-Fochheimer relation and partial slip. 2018 , 9, 771-778	36
345	Tiwari-Das nanofluid model for magnetohydrodynamics (MHD) natural-convective flow of a nanofluid adjacent to a spinning down-pointing vertical cone. 2018 , 7, 78-90	37
344	Numerical investigation on Al2O3/water nanofluid flow through twisted-serpentine tube with empirical validation. <i>Applied Thermal Engineering</i> , 2018 , 137, 296-309	16
343	Magnetohydrodynamic three-dimensional flow of nanofluids with slip and thermal radiation over a nonlinear stretching sheet: a numerical study. 2018 , 30, 1557-1567	51
342	Numerical Study of Turbulent Flow and Heat Transfer of Nanofluids in Pipes. 2018, 39, 241-251	10
341	Numerical simulation of nanofluids for improved cooling efficiency in a 3D copper microchannel heat sink (MCHS). 2018 , 56, 311-331	15
340	Numerical Investigation of Forced Convective Heat Transfer Characteristics of a Porous Channel Filled With -Water Nanofluid in the Presence of Heaters and Coolers. 2018 , 39, 985-997	3
339	On the uses of classical or improved heat transfer correlations for the predictions of convective thermal performances of water-Al2O3 nanofluids. <i>Applied Thermal Engineering</i> , 2018 , 129, 1039-1057	7
338	Effect of moving walls on heat transfer and entropy generation in a nanofluid-filled enclosure. 2018 , 110, 147-165	5
337	Thermal conductivity and viscosity models of metallic oxides nanofluids. 2018 , 116, 1314-1325	137
336	Convective heat transfer in a porous enclosure saturated by nanofluid with different heat sources. 2018 , 7, 1-16	6
335	Heat transfer enhancement using non-Newtonian nanofluids in a shell and helical coil heat exchanger. 2018 , 90, 132-142	55
334	A combined numerical and experimental study on the forced convection of Al2O3-water nanofluid in a circular tube. 2018 , 120, 66-75	22
333	Analytical solution by Laplace-ritz variational method for non-Newtonian nanofluid inside a circular tube. 2018 , 135, 596-608	2
332	Experimental study on viscosity of stabilized Al2O3, TiO2 nanofluids and their hybrid. 2018, 659, 203-212	45
331	MHD mixed convective stagnation point flow and heat transfer of an incompressible nanofluid over an inclined stretching sheet with chemical reaction and radiation. 2018 , 118, 378-387	79

330	Experimental study of thermal conductivity, heat transfer and friction factor of Al 2 O 3 based nanofluid. <i>International Communications in Heat and Mass Transfer</i> , 2018 , 90, 1-10	5.8	79
329	Borehole heat exchanger with nanofluids as heat carrier. 2018 , 72, 112-123		55
328	Numerical Study of Heat Transfer Enhancement for Laminar Nanofluids Flow. 2018 , 8, 2661		9
327	Enhancement of heat transfer properties for ZnO/water nanofluid in heat exchange applications. 2018 ,		2
326	Influence of nano-particles addition on hydrodynamics and heat transfer in laminar flow entrance region inside tube. 2018 , 57, 4091-4102		2
325	Experimental investigation on heat transfer and flow resistance of drag-reducing alumina nanofluid in a fin-and-tube heat exchanger. <i>Applied Thermal Engineering</i> , 2018 , 144, 926-936	5.8	15
324	Comprehensive review of principle factors for thermal conductivity and dynamic viscosity enhancement in thermal transport applications: An analytical tool approach. <i>International Communications in Heat and Mass Transfer</i> , 2018 , 98, 13-21	5.8	6
323	Fluid flow and heat transfer for a particle-laden gas modeled as a two-phase turbulent flow. 2018 , 28, 1866-1891		2
322	Nonlinear Radiative Heat Transfer of Cu-Water Nanoparticles over an Unsteady Rotating Flow under the Influence of Particle Shape. 2018 ,		2
321	Heat Transfer Modulation by Inertial Particles in Particle-Laden Turbulent Channel Flow. 2018 , 140,		6
320	Three-Dimensional Magnetohydrodynamic Mixed Convection Flow of Nanofluids over a Nonlinearly Permeable Stretching/Shrinking Sheet with Velocity and Thermal Slip. 2018 , 8, 1128		14
319	Convective Transport Characteristics of Nanofluids in Light- Weight Metal Foams with High Porosity. 2018 ,		O
318	Heat transfer and pressure drop correlations of nanofluids: A state of art review. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 91, 564-583	16.2	40
317	Experimental assessment of an environmentally friendly grinding process using nanofluid minimum quantity lubrication with cryogenic air. 2018 , 193, 236-248		115
316	Evaluation of single-phase, discrete, mixture and combined model of discrete and mixture phases in predicting nanofluid heat transfer characteristics for laminar and turbulent flow regimes. 2018 , 29, 264	14-265	7 ²⁰
315	Free Convection: Cavities and Layers. 2018 , 603-645		
314	Experimental study on thermal conductivity of stabilized Al2O3 and SiO2 nanofluids and their hybrid. 2018 , 127, 450-457		85
313	Magneto-Marangoni nano-boundary layer flow of water and ethylene glycol based [Al2O3 nanofluids with non-linear thermal radiation effects. <i>Case Studies in Thermal Engineering</i> , 2018 , 12, 340	-348	40

312	Comparison of CFD simulations to experiment for heat transfer characteristics with aqueous Al2O3 nanofluid in heat exchanger tube. <i>International Communications in Heat and Mass Transfer</i> , 2018 , 95, 123 ⁵ 131	21
311	Investigations on Convective Heat Transfer Enhancement in Circular Tube Radiator Using Al2O3 and CuO Nanofluids. 2018 , 10,	2
310	Electroosmotic Flow of MHD Power Law Al 2 O 3 -PVC Nanouid in a Horizontal Channel: Couette-Poiseuille Flow Model. 2018 , 69, 655	74
309	Application of Nanofluids. 2018, 1-44	6
308	Recent state of nanofluid in automobile cooling systems. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 135, 981-1008	47
307	Ferromagnetic nano model study for the peristaltic flow in a plumb duct with permeable walls. 2019 , 25, 1227-1234	10
306	A combined theory model for predicting the viscosity of water-based Newtonian nanofluids containing spherical oxide nanoparticles. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 135, 1311-1321	7
305	Numerical Simulation and Mathematical Modeling of Electro-Osmotic Couette P oiseuille Flow of MHD Power-Law Nanofluid with Entropy Generation. 2019 , 11, 1038	100
304	Comparison of experimental and theoretical methods of obtaining the thermal properties of alumina/iron mono and hybrid nanofluids. <i>Journal of Molecular Liquids</i> , 2019 , 292, 111377	45
303	MHD effect on mixed convection heat transfer of Cu-water nanofluid in a vented parallelogrammic cavity with injection or suction. 2019 ,	
302	Impact of Functional Nanofluid Coolant on Radiator Performance. 2019 , 11,	4
301	Investigation and optimization of a solar assisted heat pump driven by nanofluid-based hybrid PV. 2019 , 198, 111831	19
300	. 2019,	О
299	Parametric Sensitivity Analysis of Automobile Radiator Performance. 2019 , 563, 042038	1
298	. 2019 ,	0
297	Numerical analysis of evacuated tube solar collectors using nanofluids. 2019 , 191, 167-179	26
296	Numerical and Experimental Analysis of MgO Nanoparticles Suspension in Water on Convective Heat Transfer. 2019 , 16, 554-566	
295	A review of thermo physical properties of nanofluids. 2019 , 18, 968-978	10

294	Free and circular jets cooled by single phase nanofluids. 2019 , 76, 1-6		74
293	Recent advances in application of nanofluids in heat transfer devices: A critical review. <i>Renewable and Sustainable Energy Reviews</i> , 2019 , 103, 556-592	16.2	302
292	Two-phase investigation of water-Al2O3 nanofluid in a micro concentric annulus under non-uniform heat flux boundary conditions. 2019 , 30, 1795-1814		41
291	Numerical study of double diffusive mixed convection in a backward facing step channel filled with Cu-water nanofluid. 2019 , 153-154, 48-63		23
29 0	A General Hybrid GMDH P NN Model to Predict Thermal Conductivity for Different Groups of Nanofluids. 2019 , 53, 318-331		
289	References. 2019 , 309-322		
288	Synthesis, preparation and the experimental study of silver/water nanofluid to optimize convective heat transfer in a shell and tube heat exchanger. 2019 , 49, 173-176		3
287	The preparation of surfactant-free highly dispersed ethylene glycol-based aluminum nitride-carbon nanofluids for heat transfer application. 2019 , 30, 2032-2041		12
286	A numerical investigation of mango leaves-water nanofluid under laminar flow regime. 2019 , 38, 348		4
285	Enhancing the performance of automotive radiators using nanofluids. <i>Renewable and Sustainable Energy Reviews</i> , 2019 , 112, 183-194	16.2	98
284	Numerical investigation of hydrodynamic and heat transfer performances of nanofluids in a fractal microchannel heat sink. 2019 , 48, 2329-2349		17
283	Riga - Plate flow of 🖾 No-water/ethylene glycol with effective Prandtl number impacts. 2019 , 5, e01651		30
282	Forced convection of Al2O3/water nanofluids with simple and modified spiral tape inserts. 2019 , 55, 2831-2843		4
281	Impact of an effective Prandtl number model and across mass transport phenomenon on the Al2O3 nanofluid flow inside a channel. 2019 , 526, 121083		11
280	Nanofluids transport through a novel concave/convex convergent pipe. 2019 , 75, 91-109		11
279	Review of single-phase and two-phase nanofluid heat transfer in macro-channels and micro-channels. 2019 , 136, 324-354		90
278	Heat transfer studies on ethylene glycol/water nanofluid containing TiO2 nanoparticles. 2019 , 102, 55-6	1	28
277	An Investigation on the Forced Convection of Al2O3-water Nanofluid Laminar Flow in a Microchannel Under Interval Uncertainties. 2019 , 9, 432		7

276	Numerical analysis on thermal and hydraulic performance of diverging-converging minichannel heat sink using Al2O3-H2O nanofluid. 2019 , 469, 012046		4
275	A numerical study on non-homogeneous model for the conjugate-mixed convection of a Cu-water nanofluid in an enclosure with thick wavy wall. 2019 , 356, 219-234		7
274	The effects of tape insert material on the flow and heat transfer in a nanofluid-based double tube heat exchanger: Two-phase mixture model. 2019 , 156, 397-409		59
273	Numerical study of MHD effective Prandtl number boundary layer flow of IAlO nanofluids past a melting surface. <i>Case Studies in Thermal Engineering</i> , 2019 , 13, 100413	5.6	23
272	Functionalized graphene nanoplatelet nanofluids based on a commercial industrial antifreeze for the thermal performance enhancement of wind turbines. <i>Applied Thermal Engineering</i> , 2019 , 152, 113-13	25 8	25
271	Forced convection in a double tube heat exchanger using nanofluids with constant and variable thermophysical properties. 2019 , 30, 3247-3265		31
270	Comparative study of SiO2 and TiO2 nanoparticles on flow and heat transfer of dusty fluid over a stretching sheet. 2019 , 15, 990-1005		11
269	Al2O3/TiO2 hybrid nanofluids thermal conductivity. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 137, 583-592	4.1	41
268	Multiphase modeling approach for ionic liquids (ILs) based nanofluids: Improving the performance of heat transfer fluids (HTFs). <i>Applied Thermal Engineering</i> , 2019 , 149, 165-172	5.8	14
267	Experimental investigation on synthesis, characterization, stability, thermo-physical properties and rheological behavior of MWCNTs-kapok seed oil based nanofluid. <i>Journal of Molecular Liquids</i> , 2019 , 277, 812-824	6	31
266	Alternative designs of parabolic trough solar collectors. 2019 , 71, 81-117		171
265	Thermal performance of automotive radiator with graphene nanoplatelets suspension. 2019,		4
264	Numerical investigation on fluid dynamic and thermal behavior of a non-Newtonian Al2O3Water nanofluid flow in a confined impinging slot jet. 2019 , 265, 11-27		25
263	Bibliography. 2019 , 389-401		
262	Comparative study on heat transfer enhancement of nanofluids flow in ribs tube using CFD simulation. 2019 , 48, 148-163		9
261	Recent advances in modeling and simulation of nanofluid flows-Part I: Fundamentals and theory. 2019 , 790, 1-48		495
260	Experimental study on optimum concentration of polyacrylamide for drag reduction and heat transfer performance in a compact heat exchanger. 2019 , 55, 1503-1511		5
259	Various Application of Nanofluid for Heat Transfer Augmentation. 2019 , 33-71		

258	Review on heat conduction, heat convection, thermal radiation and phase change heat transfer of nanofluids in porous media: Fundamentals and applications. 2019 , 195, 462-483		163
257	Experimental investigation of heat transfer coefficient with Al2O3 nanofluid in small diameter tubes. <i>Applied Thermal Engineering</i> , 2019 , 146, 346-355	5.8	32
256	Lie group analysis and general forms of self-similar parabolic equations for fluid flow, heat and mass transfer of nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 135, 223-235	4.1	8
255	Experimental and Numerical Investigation of Inlet Temperature Effect on Convective Heat Transfer of EAl2O3/Water Nanofluid Flows in Microtubes. 2019 , 40, 738-752		14
254	Varying Heating Effect on Mixed Convection of Nanofluids in a Vented Horizontal Cavity with Injection or Suction. 2019 , 40, 941-958		4
253	Investigation of nanofluids on heat transfer enhancement in a louvered microchannel with lattice Boltzmann method. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 135, 751-762	4.1	16
252	Thermophysical Transport of Slip Flow Past a Convective Sheet with Suspended Carbon Nanotubes Submerged in Water. 2020 , 90, 93-100		
251	Exergoeconomic analysis and optimization of a transcritical CO2 power cycle driven by solar energy based on nanofluid with liquefied natural gas as its heat sink. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 139, 451-473	4.1	29
250	Comprehensive simulation of nanofluid flow and heat transfer in straight ribbed microtube using single-phase and two-phase models for choosing the best conditions. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 139, 701-720	4.1	35
249	Intensified Thermal Conductivity and Convective Heat Transfer of Ultrasonically Prepared CuOPolyaniline Nanocomposite Based Nanofluids in Helical Coil Heat Exchanger. 2020 , 64, 271-282		16
248	Internal convective heat transfer of nanofluids in different flow regimes: A comprehensive review. 2020 , 538, 122783		44
247	Effect of Various Evaluation Criteria on Heat Transfer Enhancement of Nanofluids: A Case Study of Water-Based Cu2O Nanofluids. <i>Arabian Journal for Science and Engineering</i> , 2020 , 45, 953-966	2.5	O
246	An experimental study on hydraulic and thermal performances of hybrid nanofluids in mini-channel. Journal of Thermal Analysis and Calorimetry, 2020 , 140, 891-903	4.1	9
245	A comprehensive review on nanofluid operated solar flat plate collectors. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 139, 1309-1343	4.1	50
244	Experimental investigation of transient heat transfer coefficient in natural convection with Al2O3-nanofluids. 2020 , 56, 901-911		11
243	Heat transfer enhancement of Water-Al2O3 nanofluid in an oval channel equipped with two rows of twisted conical strip inserts in various directions: A two-phase approach. 2020 , 79, 2203-2215		25
242	Numerical analysis of effective Prandtl model on mixed convection flow of Al2O3H2O nanoliquids with micropolar liquid driven through wedge. 2020 , 95, 035005		13
241	Thermal analyses of minichannels and use of mathematical and numerical models. 2020 , 77, 497-537		26

240	Hydromagnetic flow of Casson nanofluid over a porous stretching cylinder with Newtonian heat and mass conditions. 2020 , 550, 123988	22
239	Lattice Boltzmann application to nanofluids dynamics-A review. <i>Journal of Molecular Liquids</i> , 2020 , 300, 112284	7
238	Numerical investigation of heat transfer in a helically coiled tube using copper/water nano-fluid under constant heat flux and prediction of the results using perceptron and radial basis function networks. 2020 , 56, 1051-1075	2
237	Augmentation of heat transfer in a microtube and a wavy microchannel using hybrid nanofluid: A numerical investigation. 2020 ,	3
236	Thermal properties measurement and performance evaluation of water/ZnO nanofluid in a mini channel with offset fins. 2020 , 162, 120361	15
235	Thermal performance evaluation of various nanofluids with non-uniform heating for parabolic trough collectors. <i>Case Studies in Thermal Engineering</i> , 2020 , 22, 100769	23
234	Experimental investigation on the thermal performance of compact heat exchanger and the rheological properties of low concentration mono and hybrid nanofluids containing Al2O3 and CuO nanoparticles. <i>Thermal Science and Engineering Progress</i> , 2020 , 20, 100727	20
233	Study the time evolution of nanofluid flow in a microchannel with various sizes of Fe nanoparticle using molecular dynamics simulation. <i>International Communications in Heat and Mass Transfer</i> , 2020 , 5.8 118, 104874	8
232	Influence of Soret and Dufour on forced convection flow towards a moving thin needle considering Buongiorno nanofluid model. 2020 , 59, 3897-3906	5
231	State of the Art of Techno-Economics of Nanofluid-Laden Flat-Plate Solar Collectors for Sustainable Accomplishment. 2020 , 12, 9119	4
230	Thermal performance of a flat-plate solar collector using aqueous colloidal dispersions of multi-walled carbon nanotubes with different outside diameters. <i>Experimental Heat Transfer</i> , 2020 , 1-24 ^{2.4}	5
229	Assessment of Fe3O4Water nanofluid for enhancing laminar convective heat transfer in a car radiator. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 146, 841	1
228	Analysis of geometric uncertainties in CFD problems solved by RBF-FD meshless method. 2020 , 421, 109730	2
227	Comprehensive Study of the Effect of the Addition of Four Drag Reducing Macromolecules on the Pressure Drop and Heat Transfer Performance of Water in a Finned Tube Heat Exchanger. 2020 , 59, 747-77	3 ^O
226	Transparent nanofluids with high thermal conductivity for improved convective thermal management of optoelectronic devices. <i>Experimental Heat Transfer</i> , 2020 , 1-13	4
225	Investigation of Overlapped Twisted Tapes Inserted in a Double-Pipe Heat Exchanger Using Two-Phase Nanofluid. <i>Nanomaterials</i> , 2020 , 10,	9
224	Evaluation of different numerical models for prediction of pressure drop in laminar nanofluid flows. 2020 , 1-19	5
223	Numerical Modelling of Fluid Flow and Heat Transfer of (TiO2-Water) Nanofluids in Wavy duct. 2020 , 881, 012162	2

222	A numerical assessment on heat transfer and flow characteristics of nanofluid in tubes enhanced with a variety of dimple configurations. <i>Thermal Science and Engineering Progress</i> , 2020 , 19, 100578	3.6	10
221	Molecular dynamics simulation of ferronanofluid behavior in a nanochannel in the presence of constant and time-dependent magnetic fields. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 141, 2625-2633	4.1	15
220	Effects of nanoscale fuel additives on properties and non-reacting spray performance of alternative, conventional and blended jet fuels at elevated ambient conditions. 2020 , 208, 106436		5
219	Nanofluid Heat Transfer in Wavy-Wall Channels with Different Geometries: A Finite-Volume Lattice Boltzmann Study. 2020 , 83, 1		6
218	Nano-enhanced phase change materials (NePCMs): A review of numerical simulations. <i>Applied Thermal Engineering</i> , 2020 , 178, 115492	5.8	41
217	Numerical investigation of jet impingement flows with different nanofluids in a mini channel using Eulerian-Eulerian two-phase method. <i>Thermal Science and Engineering Progress</i> , 2020 , 19, 100585	3.6	7
216	A Comprehensive Review on Theoretical Aspects of Nanofluids: Exact Solutions and Analysis. 2020 , 12, 725		7
215	Advanced fluids la review of nanofluid transport and its applications. 2020, 281-382		1
214	Presenting two new empirical models for calculating the effective dynamic viscosity and thermal conductivity of nanofluids. 2020 , 366, 788-820		28
213	Modeling and Simulation of Nanofluid Flow Problems. 2020 , 5, 1-89		1
212	Cu-Al2O3 Water Hybrid Nanofluid Transport in a Periodic Structure. 2020 , 8, 285		13
211	Performance of heat transfer in MHD mixed convection flow using nanofluids in the presence of viscous dissipation: Local non-similarity solution. 2020 , 34, 2050101		4
2 10	Thermal transport properties of carbon-assisted phase change nanocomposite. 2020 , 28, 925-933		12
209	Nanofluid for heat exchangers. 2020 , 59-73		1
208	Preparation of Long Duration Stable CNT Nanofluid Using SDS. 2020 , 204, 11-22		11
207	Mixed convection in gravity-driven thin nano-liquid film flow with homogeneousBeterogeneous reactions. 2020 , 32, 023604		4
206	An extensive review of various technologies for enhancing the thermal and optical performances of parabolic trough collectors. 2020 , 44, 5117-5164		36
205	Comprehensive heat transfer performance analysis of liquid metal based nanofluid laminar flow in circular tube. 2020 , 175, 105530		9

(2021-2020)

204	Numerical study of a covered Photovoltaic-Thermal Collector (PVT) enhancement using nanofluids. 2020 , 199, 115-127		53	
203	Analysis of Nanofluids Behavior in a PV-Thermal-Driven Organic Rankine Cycle with Cooling Capability. 2020 , 3, 12		8	
202	Generalized second-order slip for unsteady convective flow of a nanofluid: a utilization of Buongiornoll two-component nonhomogeneous equilibrium model. 2020 , 9, 156-168		4	
201	On the performance of nanofluids in APR 1400 PLUS7 assembly: Neutronics. 2020 , 144, 107508		11	
200	Enhancement of pool boiling heat transfer performance using dilute cerium oxide/water nanofluid: An experimental investigation. <i>International Communications in Heat and Mass Transfer</i> , 2020 , 114, 104587	8	23	
199	Periodically fully developed nanofluid transport through a wavy module. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 144, 779-791	.1	12	
198	Experimental investigation on the heat transfer performance of MHTHS using ethylene glycol-based nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 143, 61-71	.1	2	
197	Numerical simulation of transient mixed convection of water © u nanofluid in a square cavity with multiple rotating cylinders having harmonic motion. <i>Journal of Thermal Analysis and Calorimetry</i> , 4. 2021 , 143, 4229-4248	.1	7	
196	Optimization of the finned double-pipe heat exchanger using nanofluids as working fluids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 143, 859-878	.1	10	
195	Effects of magnetic field inclination on tilted square cavity filled with a nanofluid saturated porous medium. 2021 , 42, 403-415		6	
194	Experimental study and CFD modelling on the thermal and flow behavior of EG/water ZnO nanofluid in multiport mini channels. <i>Applied Thermal Engineering</i> , 2021 , 182, 116089	.8	11	
193	Magneto Marangoni flow of AL2O3 nanofluids with thermal radiation and heat source/sink effects over a stretching surface embedded in porous medium. <i>Case Studies in Thermal Engineering</i> , 5. 2021 , 23, 100802	.6	23	
192	Supervised learning method for the physical field reconstruction in a nanofluid heat transfer problem. 2021 , 165, 120684		15	
191	Intelligent computing for the dynamics of fluidic system of electrically conducting Ag/Cu nanoparticles with mixed convection for hydrogen possessions. 2021 , 46, 4947-4980		25	
190	Thermoeconomic analysis and multiobjective optimization of tubular heat exchanger network using different shapes of nanoparticles. <i>Heat Transfer</i> , 2021 , 50, 56-80	.1	1	
189	CFD simulation of nanofluid heat transfer considering the aggregation of nanoparticles in population balance model. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 143, 671-684	.1	8	
188	Heat transfer and hydraulic characteristics of micro finned tube inserted with twisted tape inserts and hybrid nanofluid (CNT/Al2O3). 1-12		1	
187	Heat transfer using nanofluids. 2021 , 285-340		1	

186	Utilization of Nanofluids as Coolant A Review. 2021, 731-740		0
185	A CFD Study on fly ash nanofluid heat transfer behavior in a circular tube. 1013, 012030		2
184	Numerical Analysis of Inclined Jet Micro-channel Heat Sink Using Nanofluids. 2021, 851-860		
183	Nanomaterials: stimulants for biofuels and renewables, yield and energy optimization. 2021 , 2, 5318-534	43	16
182	Velocity prediction of nanofluid in a heated porous pipe: DEFIS learning of CFD results. 2021 , 11, 1209		7
181	Impact of thermal conductivity on the thermophysical properties and rheological behavior of nanofluid and hybrid nanofluid. 1		15
180	Analysis of heat transfer in SWCNTs-ethylene glycol-based nanofluid past a vertical complex wavy surface. <i>Journal of Thermal Analysis and Calorimetry</i> , 1	4.1	2
179	Experimental investigation on heat transfer of n-decane-ZnO nanofluids in a horizontal tube under supercritical pressure. <i>International Communications in Heat and Mass Transfer</i> , 2021 , 121, 105108	5.8	6
178	Numerical study on the thermo-hydraulic performance analysis of fly ash nanofluid. <i>Journal of Thermal Analysis and Calorimetry</i> , 1	4. 1	2
177	. 2021 , 11, 249-259		1
176	Empirical correlations for thermal conductivity and dynamic viscosity of MgO-EG. 2021 , 43, 1		O
175	Effects of pH and Surfactant on the Forced Convection of Al2O3/Water and TiO2/Water Nanofluids. 2021 , 13,		O
174	Multi-objective numerical optimum design of natural convection in different configurations of concentric horizontal annular pipes using different nanofluids. 2021 , 57, 1543-1557		4
173	Numerical Investigation on Heat Transfer and Hydraulic Performance of Al2O3-Water Nanofluid as a Function of Reynolds Number and Flow Velocity. 535-547		O
172	Thermal-Hydraulic Analysis of Parabolic Trough Collectors Using Straight Conical Strip Inserts with Nanofluids. <i>Nanomaterials</i> , 2021 , 11,	5.4	9
171	Heat transfer enhancement in cold plate based on FVM method and field synergy theory. 2021 , 35, 2035	5-2047	7
	Entropy Consisting Incorporating Diapoliuids upday the Influence of Nonlinear Dadiation with		
170	Entropy Generation Incorporating ENanofluids under the Influence of Nonlinear Radiation with Mixed Convection. 2021 , 11, 400		2

(2021-2021)

168	Fully Developed Opposing Mixed Convection Flow in the Inclined Channel Filled with a Hybrid Nanofluid. <i>Nanomaterials</i> , 2021 , 11,	5.4	5
167	Recent advances on nanofluids for low to medium temperature solar collectors: energy, exergy, economic analysis and environmental impact. 2021 , 84, 100898		86
166	Experimental Investigation of Free Convection Heat Transfer from Horizontal Cylinder to Nanofluids. <i>Energies</i> , 2021 , 14, 2909	3.1	1
165	Effect of Temperature and Nanoparticle Concentration on Free Convective Heat Transfer of Nanofluids. <i>Energies</i> , 2021 , 14, 3566	3.1	3
164	Data on electrochemical deterioration of mild steel in rice husk agro-waste developed nano-coolant. 2021 , 33, 100683		0
163	Validity of Performance Factors Used in Recent Studies on Heat Transfer Enhancement of Nanofluids. 2021 , 143,		1
162	Mixed convection hybrid nanofluid flow over an exponentially accelerating surface in a porous media. 2021 , 33, 15719		3
161	A Review on some Viscosity Models for CuO-water Nanofluid and their effects on Thermal Enhancement for Automotive Applications. 2021 ,		
160	Evaluation of Multiple Semi-Twisted Tape Inserts in a Heat Exchanger Pipe Using AlO Nanofluid. <i>Nanomaterials</i> , 2021 , 11,	5.4	8
159	Spectral relaxation computation of electroconductive nanofluid convection flow from a moving surface with radiative flux and magnetic induction. 2021 , 8, 1158-1171		
158	The computational study of nanoparticles shape effects on thermal behavior of H2O-Fe nanofluid: A molecular dynamics approach. <i>Journal of Molecular Liquids</i> , 2021 , 346, 117093	6	4
157	Effects of water-aluminum oxide nanofluid on double pipe heat exchanger with gear disc turbulators: A numerical investigation. 2021 , 124, 63-74		9
156	Experimental and computational study of using nanofluid for thermal management of electronic chips. <i>Journal of Energy Storage</i> , 2021 , 39, 102630	7.8	3
155	A NUMERICAL INVESTIGATION OF NANOFLUID FLOW IN RECTANGULAR FINNED MICROCHANNEL. 89-9	99	1
154	Heat transfer performance and exergy analyses of MgO and ZnO nanofluids using water/ethylene glycol mixture as base fluid. 1-20		3
153	The influence of geometric parameters of baffle on the flow and heat transfer of Al2O3/water nanofluid in a tube with rectangular baffle. 2021 , 11, 395		O
152	Entropy generation and friction factor analysis of fly ash nanofluids flowing in a horizontal tube: Experimental and numerical study. 2021 , 166, 106972		14
151	A review of stability, thermophysical properties and impact of using nanofluids on the performance of refrigeration systems. 2021 , 129, 342-364		16

150	Marangoni convection flow of Al2O3 nanofluids past a porous stretching surface with thermal radiation effect in the presence of an inclined magnetic field. <i>Heat Transfer</i> , 2022 , 51, 534	3.1	6
149	Development and Performance Evaluation of Silica Nano-Cutting Fluids From Rice Husk Ash (RHA) for Metalworking and Machining Operations. 2021 , 7, 1		
148	Experimental examination of the cooling performance of a cylindrical microchannel heat sink with straight and sinusoidal fins and alumina nanofluid coolant. <i>Journal of Thermal Analysis and Calorimetry</i> , 1	4.1	
147	Experimental and computational determination of heat transfer, entropy generation and pressure drop under turbulent flow in a tube with fly ash-Cu hybrid nanofluid. 2021 , 167, 107016		10
146	A COMPARATIVE STUDY OF MULTIPLE REGRESSION AND MACHINE LEARNING TECHNIQUES FOR PREDICTION OF NANOFLUID HEAT TRANSFER. 1-22		2
145	Nanofluid research and applications: A review. <i>International Communications in Heat and Mass Transfer</i> , 2021 , 127, 105543	5.8	15
144	Thermo-physical properties prediction of carbon-based magnetic nanofluids based on an artificial neural network. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 149, 111341	16.2	10
143	Experimental study on the thermal and flow characteristics of ZnO/water nanofluid in mini-channels integrated with GA-optimized ANN prediction and CFD simulation. 2021 , 178, 121617		6
142	Molecular dynamics study on the adsorption synergy of MWCNTs/MoS2 nanofluids and its influence of internal-cooling grinding surface integrity. 2021 , 563, 150312		2
141	Immense impact from small particles: Review on stability and thermophysical properties of nanofluids. 2021 , 48, 101635		5
140	Hydromagnetic natural convection in a wavy-walled enclosure equipped with hybrid nanofluid and heat generating cylinder. 2021 , 60, 5245-5264		6
139	Experimental and artificial neural network based study on the heat transfer and flow performance of ZnO-EG/water nanofluid in a mini-channel with serrated fins. 2021 , 170, 107149		6
138	CFD simulation of nanofluids flow dynamics including mass transfer. 2022 , 297-325		0
137	Numerical study on fly ash ū u hybrid nanofluid heat transfer characteristics. 1013, 012031		2
136	Experimental Evaluation on the Effect of Nanofluids Physical Properties With Different Concentrations on Grinding Temperature. 2021 , 904-927		
135	A Study on Heat Transfer Enhancement through Various Nanofluids in a Square Cavity with Localized Heating. 2021 , 118, 1659-1679		
134	Performance and application analysis of ANFIS artificial intelligence for pressure prediction of nanofluid convective flow in a heated pipe. 2021 , 11, 902		13
133	Viscosity. 2014 , 117-161		1

(2021-2020)

132	Numerical study of heat generating nanofluid inside a square cavity with multiple obstacles of different shapes. 2020 , 6, e05752	16
131	Numerical investigation of the MHD forced convection and entropy generation in a straight duct with sinusoidal walls containing water Al2O3 nanofluid. 2017 , 71, 1235-1250	16
130	Impacts of different shapes of nanoparticles on SiO 2 nanofluid flow and heat transfer in a liquid film over a stretching sheet. 2020 , 95, 115217	4
129	Energy Transfer Enhancement Inside an Annulus Using Gradient Porous Ribs and Nanofluids. 2020 , 142,	9
128	Numerical Simulation of Water/Al2O3 Nanofluid Turbulent Convection. 2010, 2, 976254	31
127	Numerical Investigation on Mixed Convection in Triangular Cross-Section Ducts with Nanofluids. 2012 , 4, 139370	7
126	Natural Convection Heat and Mass Transfer Modeling for Cu/Water and CuO/Water Nanofluids. 2013 , 5, 863935	6
125	The Role of Nanoparticle Suspensions in Thermo/Fluid and Biomedical Applications. 2012, 25-68	2
124	Comparison of the Performance of Copper Oxide Nanofluid with Water in Electronic Cooling. 2012 , 9, 104342	3
123	A review on nanofluids - part I: theoretical and numerical investigations. 2008, 25, 613-630	376
123	A review on nanofluids - part I: theoretical and numerical investigations. 2008 , 25, 613-630 Effect of Nanofluids on Liquid-solid Heat Transfer on High-temperature Wall. 2020 , 60, 1993-1999	376 2
122	Effect of Nanofluids on Liquid-solid Heat Transfer on High-temperature Wall. 2020 , 60, 1993-1999	2
122	Effect of Nanofluids on Liquid-solid Heat Transfer on High-temperature Wall. 2020 , 60, 1993-1999 Effect of Particle Size on Effective Thermal Conductivity of Nanofluids. 2013 , 6, 339-345	2
122 121 120	Effect of Nanofluids on Liquid-solid Heat Transfer on High-temperature Wall. 2020, 60, 1993-1999 Effect of Particle Size on Effective Thermal Conductivity of Nanofluids. 2013, 6, 339-345 Forced Convection Flow of Nanofluids Past Power Law Stretching Horizontal Plates. 2012, 03, 121-126	2 17 4
122 121 120	Effect of Nanofluids on Liquid-solid Heat Transfer on High-temperature Wall. 2020, 60, 1993-1999 Effect of Particle Size on Effective Thermal Conductivity of Nanofluids. 2013, 6, 339-345 Forced Convection Flow of Nanofluids Past Power Law Stretching Horizontal Plates. 2012, 03, 121-126 OUP accepted manuscript. Generation of entropy of turbulent EG-water-Al2O3 hybrid nanofluid flow through a channel of	2 17 4
122 121 120 119	Effect of Nanofluids on Liquid-solid Heat Transfer on High-temperature Wall. 2020, 60, 1993-1999 Effect of Particle Size on Effective Thermal Conductivity of Nanofluids. 2013, 6, 339-345 Forced Convection Flow of Nanofluids Past Power Law Stretching Horizontal Plates. 2012, 03, 121-126 OUP accepted manuscript. Generation of entropy of turbulent EG-water-Al2O3 hybrid nanofluid flow through a channel of rectangular cross section. 1-22	2 17 4

114	Enhanced local viscosity around colloidal nanoparticles probed by equilibrium molecular dynamics simulations. 2021 , 155, 174701		О
113	Enhancement of Heat Transfer Characteristics of Transformer Oil by Addition of Aluminium Nanoparticles. 2012 , 45-60		1
112	Enhancement of Heat Transfer Characteristics of Transformer Oil by Addition of Aluminium Nanoparticles. 2012 , 45-60		
111	Enhancement of Heat Transfer Characteristics of Transformer Oil by Addition of Aluminium Nanoparticles. 2011 , 8, 103354		
110	Comparison of the Performance of Copper Oxide Nanofluid with Water in Electronic Cooling. 2012, 21-	41	
109	Convection and Boiling. 2014 , 227-277		
108	NUMERICAL STUDY OF NANOFLUIDS FORCED CONVECTION IN CIRCULAR TUBES. 2014 , 19, 37-43		
107	Exact Solutions and Their Implications in Anomalous Heat Transfer. 2015 , 45-72		O
106	Characteristics of Nanofluids over a Non-Linearly Stretched Sheet under the Influence of Thermal Radiation and Magnetic Field. 2016 , 06, 456-471		
105	Numerical Investigation of Heat Transfer Characteristics for the Annular Flow of Nanofluids using YPlus.		
104	NUMERICAL STUDY ON NATURAL CONVECTION HEAT TRANSFER IN A NANOFLUID FILLED CONCENTRIC ANNULUS. 2016 , 21, 1-7		
103	Free Convection: Cavities and Layers. 2017 , 1-43		
102	A Study on Mechanical Dispersion in a Passage Filled with a Nanofluid-Saturated Metal Foam. 2017 , 43, 95-102		
101	NUMERICAL INVESTIGATION OF COOLING A RIBBED MICROCHANNEL USING NANOFLUID. 2408-2422		3
100	References. 2019 , 191-203		
99	The nanofluid flows in the channel with linearly varying wall temperature. <i>Case Studies in Thermal Engineering</i> , 2021 , 28, 101602	5.6	1
98	Experimental Evaluation on the Effect of Nanofluids Physical Properties With Different Concentrations on Grinding Temperature. <i>Advances in Chemical and Materials Engineering Book Series</i> , 2020 , 203-225	0.2	
97	Double-diffusive convection with peristaltic wave in Sisko fluids along with inclined magnetic field and channel. <i>Waves in Random and Complex Media</i> , 1-23	1.9	1

96	Nanotechnology as Effective Passive Technique for Heat Transfer Augmentation. <i>Advances in Chemical and Materials Engineering Book Series</i> , 1-49	0.2	
95	Numerical modeling and MHD stagnation point flow of ferrofluid (non-Newtonian) with Ohmic heating and viscous dissipation. <i>International Journal of Modern Physics B</i> , 2020 , 34, 2050265	1.1	
94	Thermal conductivity of stabilized PEG 400 based nanofluids: An experimental approach. <i>International Communications in Heat and Mass Transfer</i> , 2022 , 130, 105798	5.8	4
93	Effect of various multiple strip inserts and nanofluids on the thermalflydraulic performances of parabolic trough collectors. <i>Applied Thermal Engineering</i> , 2022 , 201, 117798	5.8	2
92	Review on Magnetohydrodynamic flow of nanofluids past a Vertical plate under the influence of Thermal Radiation. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021 , 850, 012037	0.3	
91	A Study on Numerical Methodologies in Solving Fluid Flow and Heat Transfer Problems. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021 , 850, 012021	0.3	
90	Mixed convective flow of a hybrid nanofluid between two parallel inclined plates under wall-slip condition. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2022 , 43, 113	3.2	3
89	Review of computational multi-phase approaches of nano-fluids filled systems. <i>Thermal Science and Engineering Progress</i> , 2022 , 28, 101175	3.6	1
88	Cooling a central processing unit by installing a mini channel and flowing nanofluid, and investigating economic efficiency. <i>Case Studies in Thermal Engineering</i> , 2022 , 30, 101719	5.6	2
87	AN EXPERIMENTAL STUDY OF SIO2-ND HYBRID NANOFLUID: THERMAL CONDUCTIVITY, VISCOSITY AND STABILITY WITH NEW FORECAST MODELS. <i>Current Nanoscience</i> , 2022 , 18,	1.4	1
86	Jet Impingement Cooling Enhanced with Nano-Encapsulated PCM. Energies, 2022, 15, 1034	3.1	1
85	Numerical Simulation of Heat Transfer Development of Nanofluids in a Thin Film over a Stretching Surface. <i>Brazilian Journal of Physics</i> , 2022 , 52, 1	1.2	
84	Similarity solution for induced magnetic field boundary layer flow of metallic nanofluids via convectively inclined stationary/moving flat plate: Spectral relaxation computation. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik,	1	2
83	Multi View Interferometric Tomography Measurements of Convective Phenomena in a Differentially-Heated Nanofluid Layer. SSRN Electronic Journal,	1	
82	Effect of moving stretching sheets on natural convection in partially heated square cavity filled with nanofluid. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2021 ,	1.8	
81	Heat transfer analysis and entropy generation in the nanofluids composed by Aluminum and II Aluminum oxides nanoparticles. <i>Case Studies in Thermal Engineering</i> , 2022 , 31, 101812	5.6	1
80	The development of nano-QSPR models for viscosity of nanofluids using the index of ideality of correlation and the correlation intensity index. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2022 , 222, 104500	3.8	1
79	Physical Foundations and Mathematical Models of Transport Processes in Nanofluids. <i>Mathematical Engineering</i> , 2022 , 1-12	0.8	

78	Dynamics of Non-Isothermal Pressure-Driven Flow of Generalized Viscoelastic-Fluid-Based Nanofluids in a Channel. <i>Mathematical Problems in Engineering</i> , 2022 , 2022, 1-17	1.1	2
77	Flow and heat transfer characteristics of a nanofluid as the coolant in a typical MTR core. <i>Kerntechnik</i> , 2022 , 87, 48-58	0.4	
76	Buoyancy and Ohmic Heating Effects on MHD Nanofluid Flow over a Vertical Plate Embedded in a Porous Medium. <i>Journal of Porous Media</i> , 2022 ,	2.9	0
75	Computational Analysis of Shear Banding in Simple Shear Flow of Viscoelastic Fluid-Based Nanofluids Subject to Exothermic Reactions. <i>Energies</i> , 2022 , 15, 1719	3.1	2
74	Examination of Chemical Reaction on Three Dimensional Mixed Convective Magnetohydrodynamic Jeffrey Nanofluid Over a Stretching Sheet. <i>Journal of Nanofluids</i> , 2022 , 11, 113-124	2.2	1
73	Nanofluid Heat Transfer: Enhancement of the Heat Transfer Coefficient inside Microchannels <i>Nanomaterials</i> , 2022 , 12,	5.4	3
72	A survey study of the correlations developed for single-phase heat transfer and pressure drop using nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> ,	4.1	
71	Hybrid nanocoolant for enhanced heat transfer performance in vehicle cooling system. <i>International Communications in Heat and Mass Transfer</i> , 2022 , 133, 105922	5.8	1
7°	A critical review of heat transfer enhancement methods in the presence of porous media, nanofluids, and microorganisms. <i>Thermal Science and Engineering Progress</i> , 2022 , 30, 101267	3.6	4
69	Hydraulic and thermal analysis of automatic transmission fluid in the presence of nano-particles and twisted tape: An experimental and numerical study. <i>Journal of Central South University</i> , 2021 , 28, 3404-3417	2.1	О
68	Two-phase modeling of low-Reynolds turbulent heat convection of Al2O3-water nanofluid in a 2-D helically corrugated channel. <i>Chemical Engineering Communications</i> , 1-21	2.2	
67	A novel empirical equation for the effective viscosity of nanofluids based on theoretical and empirical results. <i>International Communications in Heat and Mass Transfer</i> , 2022 , 135, 106054	5.8	О
66	Viscous dissipation effect on forced convective transport of nanofluids in an asymmetrically heated parallel-plate microchannel. <i>Case Studies in Thermal Engineering</i> , 2022 , 35, 102056	5.6	1
65	Numerical analysis on heat transfer enhancement of Al 2 O 3 nanofluid in the flattened conically coiled tubes. <i>Heat Transfer</i> ,	3.1	
64	Artificial neural network and numerical analysis for performance enhancement of hybrid microchannel-pillar-jet impingement heat sink using Al2O3-water and CuO-water nanofluids. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering	1.3	
63	Science, 095440622210953 Heat transfer enhancement with nanofluids in automotive. 2022, 229-263		
62	Experimental correlations for Nusselt number and friction factor of nanofluids. 2022, 1-23		
61	Theoretical Model for Flat Plate Solar Collectors Operating with Nanofluids: Case Study for Porto Alegre, Brazil. SSRN Electronic Journal,	1	

60 Role of nanofluids in microchannel heat sinks. **2022**, 447-478

59	Preparation and evaluation of stable nanofluids for heat transfer application. 2022 , 25-57		O
58	Thermophysical and rheological properties of unitary and hybrid nanofluids. 2022, 95-129		O
57	Multi view interferometric tomography measurements of convective phenomena in a differentially-heated nanofluid layer. <i>Experimental Heat Transfer</i> , 1-32	2.4	Ο
56	Development of CNTs suspended thin nanoliquid film over a nonlinear stretching sheet. <i>Mathematics and Computers in Simulation</i> , 2022 , 201, 291-304	3.3	
55	Evaluation of the thermal conductivity of nanofluids using statistical analysis methods <i>Nanoscience and Technology</i> , 2022 ,	4.3	
54	Comparison Of Single-Phase Newtonian And Non-Newtonian Nanofluid And Two-Phase Models For Convective Heat Transfer Of Nanofluid Flow In Backward Facing Step. <i>Journal of Molecular Liquids</i> , 2022 , 119607	6	1
53	Utilization of zinc-ferrite/water hybrid nanofluids on thermal performance of a flat plate solar collector thermal modeling approach. <i>Environmental Science and Pollution Research</i> ,	5.1	2
52	Modeling of Soret and Dufourd Convective Heat Transfer in Nanofluid Flow Through a Moving Needle with Artificial Neural Network. <i>Arabian Journal for Science and Engineering</i> ,	2.5	3
51	Assessment of thermo-hydraulic performance of MXene-based nanofluid as coolant in a dimpled channel: a numerical approach. <i>Journal of Thermal Analysis and Calorimetry</i> ,	4.1	1
50	Computational Analysis of the Dynamics of Generalized-Viscoelastic-Fluid-Based Nanofluids Subject to Exothermic-Reaction in Shear-Flow. <i>Journal of Nanofluids</i> , 2022 , 11, 487-499	2.2	3
49	Transient heat transfer analysis of serially connected array of phase change material in the thermal battery units with Al2O3 working Nano fluids. <i>Journal of Energy Storage</i> , 2022 , 53, 105184	7.8	1
48	A review of nanotechnology fluid applications in geothermal energy systems. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 167, 112729	16.2	1
47	Mechanism analysis of the influence of nanoparticles on the convective heat transfer coefficient of traditional fluids. <i>Materials Today Communications</i> , 2022 , 104091	2.5	1
46	Numerical investigation of heat transfer augmentation in curved channel using hybrid nanofluids. 99-10)7	O
45	Buoyancy driven flow and slippage constraints influences on Casson hybridity nanofluid of Yamada-Ota and Xue type via rotating cone. 2022 , 101934		Ο
44	A theoretical study on rheological effect of multiple nanoparticles on thermal performance near an inclined wavy pipe. 2022 , 284, 115862		
43	A Comprehensive Review of Predicting the Thermophysical Properties of Nanofluids Using Machine Learning Methods.		Ο

42	Introduction to Nanofluid. 2020 , 1-8	0
41	The validation, economic and enhancement of double pipe heat exchanger by CuO nanoparticles through COVID-19. 2022 ,	O
40	Computational analysis of heat transfer augmentation and thermodynamic irreversibility of hybrid nanofluids in a tube fitted with classical and elliptical-cut twisted tape inserts. 2022 , 147, 12093-12110	1
39	Computational-Analysis of the Non-Isothermal Dynamics of the Gravity-Driven Flow of Viscoelastic-Fluid-Based Nanofluids Down an Inclined Plane. 2023 , 19, 767-781	O
38	A minireview on nanofluids for automotive applications: current status and future perspectives. 2022 , 119428	1
37	Experimental and analytical investigation of the convective heat transfer potential of PEG 400 based nanocolloids with Al2O3 and ZnO nanoparticles.	1
36	Numerical study on thermal performance of TiO2, Fe3O4 and NiCr/engine oil in an inclined wavy pip. 2022 , 99, 100719	0
35	Heat Transport Performance of Nanoparticles in Gases: Case Study of Al2O3 Nanoaerosol.	O
34	Numerical Modelling of Forced Convection of Nanofluids in Smooth, Round Tubes: A Review. 2022 , 15, 7586	1
33	Thermal Radiation Energy Performance on Stagnation-Point Flow in the Presence of Base Fluids Ethylene Glycol and Water over Stretching Sheet with Slip Boundary Condition. 2022 , 15, 7965	O
32	Structure optimization and cooling performance of a heat sink with discontinuous arc protrusions impacted by nanofluid confined slot jet impingement.	O
31	Analysis of triple solutions in mixed convection flow and heat transfer characteristics of Ag-water based nanofluid over porous shrinking/stretching sheet. 2022 , 286, 116076	O
30	Enhanced thermal effectiveness for electrokinetically driven peristaltic flow of motile gyrotactic microorganisms in a thermally radiative Powell Eyring nanofluid flow with mass transfer. 2022 , 808, 140120	1
29	Improving the thermophysical properties of hybrid nanocellulose-copper (II) oxide (CNC-CuO) as a lubricant additives: A novel nanolubricant for tribology application. 2023 , 332, 126229	1
28	Theoretical model for flat plate solar collectors operating with nanofluids: Case study for Porto Alegre, Brazil. 2023 , 263, 125698	1
27	Analysis of SWCNT-water nanofluid flow in wavy channel under turbulent pulsating conditions: Investigation of homogeneous and discrete phase models. 2023 , 184, 108011	1
26	The numerical simulation and thermal analysis of nanoparticles blends within a stirred batch reactor for biodiesel production from waste cooking oil. 2022 ,	О
25	????????? ?????? ????????? ???? ???????	О

24	Thermal performance of nanofluids in elliptical zigzag tube: a numerical approach. 1-7	О
23	The effect of single and hybrid nanofluids in the performance of Solar Water Heating System. 2022 , 489-494	О
22	Comprehensive study of heat transfer enhancement in turbulent nanofluid flow in skewed corrugated channels. 2022 , 44,	О
21	Numerical Analysis of Thermal and Hydraulic Performance of Pulsating Nanofluid Flow Over Cam-Shaped Tube Bundles.	Ο
20	A comprehensive review of the effects of various factors on the thermal conductivity and rheological characteristics of CNT nanofluids.	О
19	A Theoretical Comparative Study of Vapor-Compression Refrigeration Cycle using Al2O3 Nanoparticle with Low-GWP Refrigerants. 2022 , 24, 1820	O
18	Wall laminar nanofluid jet flow and heat transfer.	0
17	Electro-viscous effect of nanofluid flow over a rotating disk.	О
16	Non-similar thermal transport analysis in entropy optimized magnetic nanofluids flow by considering effective Prandtl number model with melting heat transfer and Joule heating. 2023 , 567, 170331	0
15	Thermal and Flow Analysis of TiO2 Nanofluid Flow in Circular and Square Ducts with Multiple Twisted Tape Inserts. 2023 , 12, 605-622	О
14	Nanofluids in Zigzag Elliptical Tube Heat Exchanger: A Design Perspective. 2022 , 14, 13-27	0
13	Natural convection heat transfer enhancement using nanofluids. 2023, 39-62	Ο
12	Forced convection of nanofluids in metal foam: An essential review. 2023 , 187, 108156	0
11	Heat Transfer Enhancement by Hybrid Nano Additives@raphene Nanoplatelets/Cellulose Nanocrystal for the Automobile Cooling System (Radiator). 2023 , 13, 808	O
10	Numerical study of turbulent flow and heat transfer in a novel design of serpentine channel coupled with D-shaped jaggedness using hybrid nanofluid. 2023 , 68, 647-663	0
9	Predicting the accuracy of nanofluid heat transfer coefficient's computational fluid dynamics simulations using neural networks. 2023 , 52, 3389-3410	О
8	Numerical study of location and depth of rectangular grooves on the turbulent heat transfer performance and characteristics of CuO-water nanofluid flow. 2023 , 9, e14239	0
7	Numerical study of unsteady nonlinear convective flow of a nanofluid over a vertical plate with variable fluid properties. 1-15	O

6	Thermodynamic Analysis of a Flat Plate Solar Collector with Different Hybrid Nanofluids as Working Medium Thermal Modelling Approach. 2023 , 13, 1320	О
5	Interaction of variable diffusion coefficients with electrokinetically regulated peristalsis of Carreau-Yasuda nanofluid. 2023 , 102962	Ο
4	Computational Investigation on Flow Dynamics and Heat Transfer of Nanofluid in Low Reynolds Number Under Magnetic Field. 2023 , 631-635	0
		_
3	Heat Transfer Analysis of Parabolic Trough Solar Receiver Using Nanofluids. 2023, 575-580	O
2	Heat Transfer Analysis of Parabolic Trough Solar Receiver Using Nanofluids. 2023, 575-580 Numerical investigation of nanofluid deposition in a microchannel cooling system. 2023, 118582	0