No.	Authors	Title	Keywords	Vol., No., pages	DOI Link	Citation data
1	Ahmadi M.H., Hajizadeh F., Rahimzadeh M., Shafii M.B., Chamkha A.J., Lorenzini G., Ghasempour R.	Application GMDH artificial neural network for modeling of Al_2O_3/water and Al_2O_3/Ethylene glycol thermal conductivity	Nanofluid, Thermal Conductivity, GMDH, Artificial.	36, 3, 773-782	10.18280/ijht.360301	Ahmadi M.H., Hajizadeh F., Rahimzadeh M., Shafii M.B., Chamkha A.J., Lorenzini G., Ghasempour R. (2018). Application GMDH artificial neural network for modeling of Al_2O_3/water and Al_2O_3/Ethylene glycol thermal conductivity, *International Journal of Heat and Technology* , Vol. 36, No. 3, pp. 773-782. DOI: 10.18280/ijht.360301
2	Haghighi A.R., Aliashrafi N.	Mathematical modeling of pulsatile blood flow and heat transfer under magnetic and vibrating environment	Body Acceleration, Crank-Nicolson Scheme, Heat Transfer, Magnetic Field, Stenosis.	36, 3, 783-790	10.18280/ijht.360302	Haghighi A.R., Aliashrafi N. (2018). Mathematical modeling of pulsatile blood flow and heat transfer under magnetic and vibrating environment, *International Journal of Heat and Technology* , Vol. 36, No. 3, pp. 783-790. DOI: 10.18280/ijht.360302
3	Karoua H., Moummi A., Hamidat A., Moummi N., Aoues K., Benchabane A., Benchatti A.	Experimental investigation and exergy analysis of an air heater with a solar concentrator used for drying processes	Solar Concentration, Air Heater, Rectangular Duct, Exergy, Experimental Study.	36, 3, 791-800	10.18280/ijht.360303	Karoua H., Moummi A., Hamidat A., Moummi N., Aoues K., Benchabane A., Benchatti A. (2018). Experimental investigation and exergy analysis of an air heater with a solar concentrator used for drying processes, *International Journal of Heat and Technology* , Vol. 36, No. 3, pp. 791-800. DOI: 10.18280/ijht.360303
4	Aprea C., Greco A., Maiorino A., Masselli C.	A comparison between different materials with mechanocaloric effect	Caloric Cooling, Mechanocaloric, Elastocaloric, Barocaloric, Caloric Effect, Caloric Materials.	36, 3, 801-807	10.18280/ijht.360304	Aprea C., Greco A., Maiorino A., Masselli C. (2018). A comparison between different materials with mechanocaloric effect, *International Journal of Heat and Technology* ,Vol. 36, No. 3, pp. 801-807. DOI: 10.18280/ijht.360304
5	Rangasamy P., Murugesan N.	Soret and hall effect on unsteady free convection flow past an infinite vertical plate with oscillatory suction velocity and variable permeability	Oscillatory Suction Velocity, Uniform Magnetic Field, Eckert Number, Hall Effect, Soret Effect.	36, 3, 808-816	10.18280/ijht.360305	Rangasamy P., Murugesan N. (2018). Soret and hall effect on unsteady free convection flow past an infinite vertical plate with oscillatory suction velocity and variable permeability, *International Journal of Heat and Technology* , Vol. 36, No. 3, pp. 808-816. DOI: 10.18280/ijht.360305
6	Dai C.Q., Long Y.X., Lv Y.L., Wang X.J., Hou W.Z.	Research on seepage-stress coupling analyses of shallow buried and dug vertical overlapping tunnels	Vertical Overlapping Tunnel, Seepagestress Coupling, Shallow Burying, Coefficient of Permeability.	36, 3, 817-824	10.18280/ijht.360306	Dai C.Q., Long Y.X., Lv Y.L., Wang X.J., Hou W.Z. (2018). Research on seepage-stress coupling analyses of shallow buried and dug vertical overlapping tunnels, *International Journal of Heat and Technology* , Vol. 36, No. 3, pp. 817-824. DOI: 10.18280/ijht.360306
7	Javaherdeh K., Vaisi A., Moosavi R.	The effects of fin height, fin-tube contact thickness and louver length on the performance of a compact fin-and-tube heat exchanger	Compact Heat Exchanger, Louvered Fins, Experimental, Numerical, Pressure Drop, Nusselt Number.	36, 3, 825-834	10.18280/ijht.360307	Javaherdeh K., Vaisi A., Moosavi R. (2018).The effects of fin height, fin-tube contact thickness and louver length on the performance of a compact fin-and-tube heat exchanger, *International Journal of Heat and Technology* , Vol. 36, No. 3, pp. 825-834. DOI: 10.18280/ijht.360307
8	Zhan N.Y., Gao Z., Deng Y.F.	Diffusion of vehicle exhaust pollutants in typical street canyons	Computational Fluid Dynamics (CFD), Street Canyon, Vortex, Pollutant Concentration.	36, 3, 835-839	10.18280/ijht.360308	Zhan N.Y., Gao Z., Deng Y.F. (2018). Diffusion of vehicle exhaust pollutants in typical street canyons, *International Journal of Heat and Technology* , Vol. 36, No. 3, pp. 835-839. DOI: 10.18280/ijht.360308
9	Adibi T.	Evaluation of using solar ammonia absorption cooling system for major cities of the Middle East	Middle East, Solar Cooling, HVAC, EES, Cooling Load.	36, 3, 840-846	10.18280/ijht.360309	Adibi T. (2018). Evaluation of using solar ammonia absorption cooling system for major cities of the Middle East, *International Journal of Heat and Technology* , Vol. 36, No. 3, pp. 840-846. DOI: 10.18280/ijht.360309
10	Yu Y., Xu X., Hao W.X.	Study on the wall optimization of solar greenhouse based on temperature field experiment and CFD simulation	Greenhouse, Temperature Field, Experiment, CFD, Wall Optimization.	36, 3, 847-854	10.18280/ijht.360310	Yu Y., Xu X., Hao W.X. (2018). Study on the wall optimization of solar greenhouse based on temperature field experiment and CFD simulation, *International Journal of Heat and Technology* , Vol. 36, No. 3, pp. 847-854. DOI: 10.18280/ijht.360310
11	Chabane F., Moummi N., Brima A.	Experimental study of thermal efficiency of a solar air heater with an irregularity element on absorber plate	Semi-Cylindrical Baffle, Thermal Efficiency, Outlet Temperature, Solar Irradiation, Flat Plate.	36, 3, 855-860	10.18280/ijht.360311	Chabane F., Moummi N., Brima A. (2018). Experimental study of thermal efficiency of a solar air heater with an irregularity element on absorber plate, *International Journal of Heat and Technology* , Vol. 36, No. 3, pp. 855-860. DOI: 10.18280/ijht.360311
12	Wang H., Qin Y.P., Han X.X., Liu E.L., Dong Z.Y.	Dimensionless analysis of transient temperature field of surrounding rock in roadway based on Finite Volume Method	Similar Simulation Experiment, Transient, Roadway, Dimensionless, Unstable Heat Transfer Criterion.	36, 3, 861-868	10.18280/ijht.360312	Wang H., Qin Y.P., Han X.X., Liu E.L., Dong Z.Y. (2018). Dimensionless analysis of transient temperature field of surrounding rock in roadway based on Finite Volume Method, *International Journal of Heat and Technology*, Vol. 36, No. 3, pp. 861-868. DOI: 10.18280/ijht.360312
13	Ingole S.B., Sundaram K.K.	Investigation of maximum Nusselt number with inclined and non-confined offset jet impingement cooling	Convective Cooling, Maximum Nusselt Number, Inclined Jet, Nonconfined Jet, Offset Jet.	36, 3, 869-876	10.18280/ijht.360313	Ingole S.B., Sundaram K.K. (2018). Investigation of maximum Nusselt number with inclined and non-confined offset jet impingement cooling, *International Journal of Heat and Technology* , Vol. 36, No. 3, pp. 869-876. DOI: 10.18280/ijht.360313
14	Wei W., Mei H.Z., Xue P.	Fibre Bragg Grating sensing based temperature monitoring system of power transformer	Fibre Bragg Grating sensor, Power Transformer, Monitoring System, GAAS Material.	36, 3, 877-882	10.18280/ijht.360314	Wei W., Mei H.Z., Xue P. (2018). Fibre Bragg Grating sensing based temperature monitoring system of power transformer, *International Journal of Heat and Technology* , Vol. 36, No. 3, pp. 877-882. DOI: 10.18280/ijht.360314
15	Mehrabi S., Kheradmand S., Farivar O.R.	Numerical simulation of thermal and hydraulic performance of a micro plate-pin fin heat sink	Heat Sink, Hydraulic Performance, Thermal Performance, Numerical Simulation	36, 3, 883-894	10.18280/ijht.360315	Mehrabi S., Kheradmand S., Farivar O.R. (2018). Numerical simulation of thermal and hydraulic performance of a micro plate-pin fin heat sink, *International Journal of Heat and Technology* , Vol. 36, No. 3, pp. 883-894. DOI: 10.18280/ijht.360315
16	Li H., Wang X.H., Li W.Y., Yin B.Q., Xu Y.	Impact of energy storage system on the point of common coupling of the distribution network containing photovoltaic plant	Photovoltaic/Energy Storage (PV/ES) System, Real Time Digital Simulator (RTDS), Point of Common Coupling (PCC), Temperature, Effective Voltage.	36, 3, 895-903	10.18280/ijht.360316	Li H., Wang X.H., Li W.Y., Yin B.Q., Xu Y. (2018). Impact of energy storage system on the point of common coupling of the distribution network containing photovoltaic plant, *International Journal of Heat and Technology* , Vol. 36, No. 3, pp. 895-903. DOI: 10.18280/ijht.360316
17	Ghasemkhani A., Farahat S., Naserian M.M.	Thermodynamic investigation and optimization Tri-generation system for the provision of power, heating, and cooling: A case study of Zahedan, Iran	Exergy Analysis, Kalina Cycle, Trigeneration, Solar Energy, Finite Time Thermodynamics.	36, 3, 904-912	10.18280/ijht.360317	Ghasemkhani A., Farahat S., Naserian M.M. (2018). Thermodynamic investigation and optimization Tri-generation system for the provision of power, heating, and cooling: A case study of Zahedan, Iran, *International Journal of Heat and Technology* , Vol. 36, No. 3, pp. 904-912. DOI: 10.18280/ijht.360317
18	Tian F., Cao W.D., Dai X.L., Ou M.X.	Flow characteristics of the new type of mixer in wastewater treatment	New Type of Mixer, CFD, Flow Filed, Simulation, Fluid Dynamics.	36, 3, 913-918	10.18280/ijht.360318	Tian F., Cao W.D., Dai X.L., Ou M.X. (2018). Flow characteristics of the new type of mixer in wastewater treatment, *International Journal of Heat and Technology* , Vol. 36, No. 3, pp. 913-918. DOI: 10.18280/ijht.360318
19	Benlekkam M.L., Nehari D., Madani H.I.	The thermal impact of the fin tilt angle and its orientation on performance of PV cell using PCM	Phase Change Material, Latent Heat, Thermal Regulation, Photovoltaic Cell, PV Cooling.	36, 3, 919-926	10.18280/ijht.360319	Benlekkam M.L., Nehari D., Madani H.I. (2018). The thermal impact of the fin tilt angle and its orientation on performance of PV cell using PCM, *International Journal of Heat and Technology* , Vol. 36, No. 3, pp. 919-926. DOI: 10.18280/ijht.360319
20	Yang P.Y., Wu X.E., Chen J.H.	Elastic and plastic-flow damage constitutive model of rock based on conventional triaxial compression test	Rock, Damage Mechanics, Strain Softening, Brittleness, Plastic Flow, Dilatancy.	36, 3, 927-935	10.18280/ijht.360320	Yang P.Y., Wu X.E., Chen J.H. (2018). Elastic and plastic-flow damage constitutive model of rock based on conventional triaxial compression test, *International Journal of Heat and Technology* , Vol. 36, No. 3, pp. 927-935. DOI: 10.18280/ijht.360320
21	Arifuzzaman S.M., Mehedi F.U., Al-Mamun A., Biswas P., Islam R., Khan S.	Magnetohydrodynamic micropolar fluid flow in presence of nanoparticles through porous plate: A numerical study	Micropolar Fluid, Nanoparticles, Radiation Absorption, Chemical Reaction, Thermal Radiation, Stability and Convergence Analysis.	36, 3, 936-948	10.18280/ijht.360321	Arifuzzaman S.M., Mehedi F.U., Al-Mamun A., Biswas P., Islam R., Khan S. (2018). Magnetohydrodynamic micropolar fluid flow in presence of nanoparticles through porous plate: A numerical study, *International Journal of Heat and Technology* , Vol. 36, No. 3, pp. 936-948. DOI: 10.18280/ijht.360321
22	Zhong R.C., Peng Z.B., Jiang H.D.	Mechanism of heat transfer for gas-liquid two-phase flow in deep drilling	Drilling Fluid, Density, Rheology, Heat Transfer Mechanism, Gas-Liquid Twophase.	36, 3, 949-954	10.18280/ijht.360322	Zhong R.C., Peng Z.B., Jiang H.D. (2018). Mechanism of heat transfer for gas-liquid two-phase flow in deep drilling, *International Journal of Heat and Technology* , Vol. 36, No. 3, pp. 949-954. DOI: 10.18280/ijht.360322
23	Warkhade G.S., Babu A.V.	Impact of supercharging and compression ratio on performance characteristics in a single cylinder DICI engine	Compression Ignition Engine, Biodiesel, Combustion, Linum Usitatissimum, Performance, Supercharging.	36, 3, 955-961	10.18280/ijht.360323	Warkhade G.S., Babu A.V. (2018). Impact of supercharging and compression ratio on performance characteristics in a single cylinder DICI engine, *International Journal of Heat and Technology*, Vol. 36, No. 3, pp. 955-961. DOI: 10.18280/ijht.360323
24	Tu J.Z., Ma D.L.	A spatial economics perspective on convergence research of carbon emissions performance in China	Carbon Emissions Performance, Convergence, Spatial Economics, China.	36, 3, 962-972	10.18280/ijht.360324	Tu J.Z., Ma D.L. (2018). A spatial economics perspective on convergence research of carbon emissions performance in China, *International Journal of Heat and Technology* , Vol. 36, No. 3, pp. 962-972. DOI: 10.18280/ijht.360324
25	Bal S., Mishra P.C., Satapathy A.K.	Optimization of spray parameters for effective microchannel cooling using surface response methodology	Heat Transfer, Microchannel Cooling, Optimization, Response Surface Method, Spray Impingement.	36, 3, 973-980	10.18280/ijht.360325	Bal S., Mishra P.C., Satapathy A.K. (2018). Optimization of spray parameters for effective microchannel cooling using surface response methodology, *International Journal of Heat and Technology* , Vol. 36, No. 3, pp. 973-980. DOI: 10.18280/ijht.360325
26	Zheng M.G., Zhang Y.K., Shi L.	Research on selective non-catalytic NOx reduction (SNCR) for diesel engine	40% Methylamine Aqueous Solution, Selective Non-Catalytic Reduction (SNCR), NO, Numerical Simulation.	36, 3, 981-986	10.18280/ijht.360326	Zheng M.G., Zhang Y.K., Shi L. (2018). Research on selective non-catalytic NOx reduction (SNCR) for diesel engine, *International Journal of Heat and Technology* , Vol. 36, No. 3, pp. 981-986. DOI: 10.18280/ijht.360326
27	Sharma B., Kumar S., Paswan M.K.	Analytical solution for mixed convection and MHD flow of electrically conducting non-Newtonian nanofluid with different nanoparticles: A comparative study	Homotopy Analysis Method (HAM), Magnetic Parameter, MHD Flow, Nanofluid, Ordinary Differential Equation (ODE) Sodium Alginate.	36, 3, 987-996	10.18280/ijht.360327	Sharma B., Kumar S., Paswan M.K. (2018).Analytical solution for mixed convection and MHD flow of electrically conducting non-Newtonian nanofluid with different nanoparticles: A comparative study, *International Journal of Heat and Technology* , Vol. 36, No. 3, pp. 987-996. DOI: 10.18280/ijht.360327

28	Wang F., Shui A.S., Zeng L.B.	Leak detection method for bottom plate of oil tank based on oil/gas leak detection	Oil/Gas Leak Detection, Fuzzy Evaluation, Oil/Gas Collection.	36, 3, 997-1004	10.18280/ijht.360328	Wang F., Shui A.S., Zeng L.B. (2018). Leak detection method for bottom plate of oil tank based on oil/gas leak detection, *International Journal of Heat and Technology* , Vol. 36, No. 3, pp. 997-1004. DOI: 10.18280/ijht.360328
29	Bishnoi P., Sinha M.K.	Influence of the wettability nature of the nozzle wall on the dynamics of drop formation	Contact Angle, Drop Formation, Volume of Fluid, Wettability.	36, 3, 1005-1009	10.18280/ijht.360329	Bishnoi P., Sinha M.K. (2018). Influence of the wettability nature of the nozzle wall on the dynamics of drop formation, *International Journal of Heat and Technology*, Vol. 36, No. 3, pp. 1005-1009. DOI: 10.18280/ijht.360329
30	Yu J.L., Qu C.G., Wang X.	Experimental study on flow distribution in micro backflow combustor	Flow Distribution, Backflow Combustor, Plugging Method, Thermistor, Micro Jet Engine.	36, 3, 1010-1014	10.18280/ijht.360330	Yu J.L., Qu C.G., Wang X. (2018). Experimental study on flow distribution in micro backflow combustor, *International Journal of Heat and Technology* , Vol. 36, No. 3, pp. 1010-1014. DOI: 10.18280/ijht.360330
31	Das M., Mahatha B.K., Nandkeolyar R., Sarkar S.	Double-diffusive mixed convection flow towards a convectively heated stretching sheet with nonlinear thermal radiation	Mixed Convection, Nanofluid Flow, Nonlinear Thermal Radiation, Convective Heat Transfer Partial Slip, Brownian Motion, Thermophoresis.	36, 3, 1015-1024	10.18280/ijht.360331	Das M., Mahatha B.K., Nandkeolyar R., Sarkar S. (2018). Double-diffusive mixed convection flow towards a convectively heated stretching sheet with nonlinear thermal radiation, *International Journal of Heat and Technology* , Vol. 36, No. 3, pp. 1015-1024. DOI: 10.18280/ijht.360331
32	Zhang Y.X., Zhang Y.L.	Characteristics analysis of mechanical seal face based on thermo-hydrodynamic effect	Thermo-Hydrodynamic Effect, Mechanical Seal, Face Characteristics, Heat Transfer Characteristic.	36, 3, 1025-1030	10.18280/ijht.360332	Zhang Y.X., Zhang Y.L. (2018). Characteristics analysis of mechanical seal face based on thermo-hydrodynamic effect, *International Journal of Heat and Technology* , Vol. 36, No. 3, pp. 1025-1030. DOI: 10.18280/ijht.360332
33	Allesina G., Cingi P., Gessani G., Angeli D.	Exploratory modeling and experimental investigation of a vibrating-stripe wind energy converter	Windbelt, Fluttering, Modeling, Wind Energy.	36, 3, 1031-1036	10.18280/ijht.360333	Allesina G., Cingi P., Gessani G., Angeli D. (2018). Exploratory modeling and experimental investigation of a vibrating-stripe wind energy converter, *International Journal of Heat and Technology* , Vol. 36, No. 3, pp. 1031-1036. DOI: 10.18280/ijht.360333
34	Lv S.J., Gao F., Li C.G.	Numerical simulation of 3D turbulent bend flow based on unstructured grids	Continuous Bands, 3D Water Flow, Unstructured Grids, Finite-Volume Method, Numerical Simulation.	36, 3, 1037-1046	10.18280/ijht.360334	Lv S.J., Gao F., Li C.G. (2018). Numerical simulation of 3D turbulent bend flow based on unstructured grids, *International Journal of Heat and Technology* , Vol. 36, No. 3, pp. 1037-1046. DOI: 10.18280/ijht.360334
35	Ghachem K., Hassen W., Maatki C., Kolsi L., Al-Rashed A.A.A.A., Borjini M.N.	Numerical simulation of 3D natural convection and entropy generation in a cubic cavity equipped with an adiabatic baffle	FVM, 3D Natural Convection, Baffle, Entropy Generation.	36, 3, 1047-1054	10.18280/ijht.360335	Ghachem K., Hassen W., Maatki C., Kolsi L., Al-Rashed A.A.A.A., Borjini M.N. (2018).Numerical simulation of 3D natural convection and entropy generation in a cubic cavity equipped with an adiabatic baffle, *International Journal of Heat and Technology* , Vol. 36, No. 3, pp. 1047-1054. DOI: 10.18280/ijht.360335
36	Wei Y., Wang L., Yang G.S.	Temperature field distribution of a freeze sinking shaft under seepage conditions in cretaceous formation of Western China	Artificial Freezing, Temperature Field, Seepage, Closur.	36, 3, 1055-1060	10.18280/ijht.360336	Wei Y., Wang L., Yang G.S. (2018). Temperature field distribution of a freeze sinking shaft under seepage conditions in cretaceous formation of Western China, *International Journal of Heat and Technology*, Vol. 36, No. 3, pp. 1055-1060. DOI: 10.18280/ijht.360336
37	Akbari E., Karami A.M., Ashjaee M.	Modeling the free convection in an open round cavity using a hybrid approach of Jaya optimization algorithm and neural network	Free Convection, Jaya-Based Neural Network, Hybrid Model, Mach-Zehnder Interferometer, Open Round Cavity.	36, 3, 1061-1069	10.18280/ijht.360337	Akbari E., Karami A.M., Ashjaee M. (2018). Modeling the free convection in an open round cavity using a hybrid approach of Jaya optimization algorithm and neural network, *International Journal of Heat and Technology* , Vol. 36, No. 3, pp. 1061-1069. DOI: 10.18280/ijht.360337
38	Guelailia A., Khorsi A., Boudjemai A., Wang J.	Thermal protection of rocket nozzle by using film cooling technology - effect of lateral curvature	Computational Fluid Dynamics, Heat and Mass Transfer, Thermal Protection, Rocket Nozzle, Film Cooling, Propulsion.	36, 3, 1070-1074	10.18280/ijht.360338	Guelailia A., Khorsi A., Boudjemai A., Wang J. (2018). Thermal protection of rocket nozzle by using film cooling technology - effect of lateral curvature, *International Journal of Heat and Technology*, Vol. 36, No. 3, pp. 1070-1074. DOI: 10.18280/ijht.360338
39	Zhang X.X.	Modelling of the thermal conductivity in cold chain logistics based on micro-PCMs	Thermal Conductivity, Micro-PCMs, Fractal Theory, Thermally Conductive Fluid.	36, 3, 1075-1080	10.18280/ijht.360339	Zhang X.X. (2018). Modelling of the thermal conductivity in cold chain logistics based on micro-PCMs, *International Journal of Heat and Technology* , Vol. 36, No. 3, pp. 1075-1080. DOI: 10.18280/ijht.360339
40	Bazgir A., Heydari A.	CFD optimization of injection nozzles geometric dimensions of RHVT-machines in order to enhance the cooling capability	Vortex Tube, Nozzle, Temperature Separation, Numerical Modeling, Vortex Chamber, Reversed Flows.	36, 3, 1081-1093	10.18280/ijht.360340	Bazgir A., Heydari A. (2018). CFD optimization of injection nozzles geometric dimensions of RHVT-machines in order to enhance the cooling capability, *International Journal of Heat and Technology* , Vol. 36, No. 3, pp. 1081-1093. DOI: 10.18280/ijht.360340
41	Zhou B., Wang H.Y., Wang X.D., Ji J.H.	Permeability and stability of soilbags in slope protection structures	Soilbag, Filtration Characteristic, Permeability Coefficient, Gradient Ratio, Seepage Pressure.	36, 3, 1094-1100	10.18280/ijht.360341	Zhou B., Wang H.Y., Wang X.D., Ji J.H. (2018). Permeability and stability of soilbags in slope protection structures, *International Journal of Heat and Technology* , Vol. 36, No. 3, pp. 1094-1100. DOI: 10.18280/ijht.360341
42	Asfar J.A., Alkhali S., Sakhrieh A., Al-Domeri H.	2-D numerical modeling of flame behavior under electric field effect	Combustion Simulation, Electric Field Effect, Ionic Species, Fluent Software, Premixed Combustion Stability.	36, 3, 1101-1106	10.18280/ijht.360342	Asfar J.A., Alkhali S., Sakhrieh A., Al-Domeri H. (2018). 2-D numerical modeling of flame behavior under electric field effect, *International Journal of Heat and Technology* , Vol. 36, No. 3, pp. 1101-1106. DOI: 10.18280/ijht.360342
43	Ghritlahre H.K., Prasad R.K.	Prediction of exergetic efficiency of arc shaped wire roughened solar air heater using ANN model	Solar Air Heater, Artificial Neural Network, Exergy Efficiency, Learning Algorithm, Multi-Layer Perceptron.	36, 3, 1107-1115	10.18280/ijht.360343	Ghritlahre H.K., Prasad R.K. (2018). Prediction of exergetic efficiency of arc shaped wire roughened solar air heater using ANN model, *International Journal of Heat and Technology* , Vol. 36, No. 3, pp. 1107-1115. DOI: 10.18280/ijht.360343
44	Jiao Y.L., Wang X.H.	Comparative experiment of enhanced heat transfer performance between water-based magnetic fluid heat pipe and ordinary water heat pipe under magnetic field	Heat Pipe, Enhanced Heat Transfer, Heat Transfer Rate.	36, 3, 1116-1120	10.18280/ijht.360344	Jiao Y.L., Wang X.H. (2018). Comparative experiment of enhanced heat transfer performance between water-based magnetic fluid heat pipe and ordinary water heat pipe under magnetic field, *International Journal of Heat and Technology* , Vol. 36, No. 3, pp. 1116-1120. DOI: 10.18280/ijht.360344
45	Gorantla K.K., Shaik S., Setty A.B.T.P.R.	Day lighting and thermal analysis using various double reflective window glasses for green energy buildings	Spectral Characteristics, Visible Optical Properties, Solar Optical Properties and Double Gold Reflective Glass Window.	36, 3, 1121-1129	10.18280/ijht.360345	Gorantla K.K., Shaik S., Setty A.B.T.P.R. (2018). Day lighting and thermal analysis using various double reflective window glasses for green energy buildings, *International Journal of Heat and Technology* , Vol. 36, No. 3, pp. 1121-1129. DOI: 10.18280/ijht.360345
46	Xu C.D., Wang R.R., Liu H., Zhang R., Wang M.Y., Wang Y.	Flow pattern and anti-silt measures of straight-edge forebay in large pump stations	Forebay Of Pump Station, Silt Accumulation, Numerical Simulation, Trapezoid Diversion Pier, 45° Pressure Plate.	36, 3, 1130-1139	10.18280/ijht.360346	Xu C.D., Wang R.R., Liu H., Zhang R., Wang M.Y., Wang Y. (2018). Flow pattern and anti-silt measures of straight-edge forebay in large pump stations, *International Journal of Heat and Technology* , Vol. 36, No. 3, pp. 1130-1139. DOI: 10.18280/ijht.360346
47	Khoualdi T., Rouabah M.S., Bouraoui M., Abidi-Saadb A., Polidori G.	Free convection heat transfer in an inclined channel asymmetrically heated in laminar regime	Natural Convection, Asymmetric Heating, Inclined Channel, Pv Panels, Roof-Top DSF.	36, 3, 1140-1147	10.18280/ijht.360347	Khoualdi T., Rouabah M.S., Bouraoui M., Abidi-Saadb A., Polidori G. (2018). Free convection heat transfer in an inclined channel asymmetrically heated in laminar regime, *International Journal of Heat and Technology* , Vol. 36, No. 3, pp. 1140-1147. DOI: 10.18280/ijht.360347
48	Guo Q.J., Qi X.N., Yin Q., Qu X.H.	VOF simulation studies on binary seawater droplets collision	Adaptive Mesh, Droplet Collision, Seawater, VOF Method.	36, 3, 1148-1153	10.18280/ijht.360348	Guo Q.J., Qi X.N., Yin Q., Qu X.H. (2018). VOF simulation studies on binary seawater droplets collision, *International Journal of Heat and Technology* , Vol. 36, No. 3, pp. 1148-1153. DOI: 10.18280/ijht.360348
49	Caldera M., Puglisi G., Zanghirella F., Ungaro P., Cammarata G.	Numerical modelling of the thermal energy demand in Italian households through statistical data	Energy Consumption, Households, Numerical Model, Statistical Survey.	36, 2, 381-390	10.18280/ijht.360201	Caldera M., Puglisi G., Zanghirella F., Ungaro P., Cammarata G. (2018). Numerical modelling of the thermal energy demand in Italian households through statistical data, *International Journal of Heat and Technology* , Vol. 36, No. 2, pp. 381-390. DOI: 10.18280/ijht.360201
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51	Zahan I., Alim M.A.	Effect of conjugate heat transfer on flow of nanofluid in a rectangular enclosure	Conjugate Natural Convection, Nanofluid, Finite Element Method, Enclosure.	36, 2, 397-405	10.18280/ijht.360203	Zahan I., Alim M.A. (2018). Effect of conjugate heat transfer on flow of nanofluid in a rectangular enclosure, *International Journal of Heat and Technology*, Vol. 36, No. 2, pp.397-405. DOI: 10.18280/ijht.360203
52	Zhang R.L.	Measurement and correlation of excess molar enthalpies and vapor-liquid equilibria for alkanolamine-water system	Alkanolamines, Vapor-Liquid Equilibria, Nrt Equations, Measurement and Correlation.	36, 2, 406-410	10.18280/ijht.360204	Zhang R.L. (2018). Measurement and correlation of excess molar enthalpies and vapor-liquid equilibria for alkanolamine-water system, *International Journal of Heat and Technology*, Vol. 36, No. 2, pp. 406-410. DOI: 10.18280/ijht.360204
53	Chandrasekar M., Kasiviswanathan M.S.	Variational approach to MHD stagnation flow of nanofluid towards permeable stretching sheet	Gyarmati's variational principle, nanofluid, stagnation flow, stretching sheet, suction / injection.	36, 2, 411-421	10.18280/ijht.360205	Chandrasekar M., Kasiviswanathan M. S. (2018). Variational approach to MHD stagnation flow of nanofluid towards permeable stretching sheet, *International Journal of Heat and Technology* , Vol. 36, No. 2, pp. 411-421. DOI: 10.18280/ijht.360205
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58	Cai N., Zhang D.L., Huang C.	A study on stratified air conditioning cooling load calculation model for a large space building	Calculation Model, Stratified Air Conditioning, Cooling Load, Large Space Building.	36, 2, 457-462	10.18280/ijht.360210	Cai N., Zhang D.L., Huang C. (2018). A study on stratified air conditioning cooling load calculation model for a large space building, *International Journal of Heat and Technology* , Vol. 36, No. 2, pp. 457-462. DOI: 10.18280/ijht.360210
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61	Fu X.G., Tang Z.H., Lv W.B., Wang X.M., Yan B.Z.	Exploitation potential of groundwater in Yangzhuang Basin, China under recharge enhancement	Yangzhuang Basin, Karst Groundwater System, Recharge Enhancement, Numerical Simulation, Exploitation Potential.	36, 2, 483-493	10.18280/ijht.360213	Fu X.G., Tang Z.H., Lv W.B., Wang X.M., Yan B.Z. (2018). Exploitation potential of groundwater in Yangzhuang Basin, China under recharge enhancement, *International Journal of Heat and Technology*, Vol. 36, No. 2, pp. 483-493. DOI: 10.18280/ijht.360213
62	Rajakumar K.V.B., Balamurugan K.S., Umasankara Reddy M., Ramana Murthy C.V.	Radiation, dissipation and Dufour effects on MHD free convection Casson fluid flow through a vertical oscillatory porous plate with ion-slip current	Dufour, Radiation Absorption, Viscous Dissipation, Hall Effect, Ion-Slip Effects, MHD, Chemical Reaction, Perturbation Law.	36, 2, 494-508	10.18280/ijht.360214	Rajakumar K.V.B., Balamurugan K.S., Umasankara Reddy M., Ramana Murthy C.V. (2018). Radiation, dissipation and Dufour effects on MHD free convection Casson fluid flow through a vertical oscillatory porous plate with ion-slip current, *International Journal of Heat and Technology*, Vol. 36, No. 2, pp. 494-508. DOI: 10.18280/ijht.360214
63	Hatami M.	Different shapes of Fe_3O_4 nanoparticles on the free convection and entropy generation in a wavywall square cavity filled by power-law non-Newtonian nanofluid	Nanofluid, Entropy Generation, Wavy Cavity, Natural Convection, Nonnewtonian.	36, 2, 509-524	10.18280/ijht.360215	Hatami M. (2018). Different shapes of Fe_3O_4 nanoparticles on the free convection and entropy generation in a wavywall square cavity filled by power-law non-Newtonian nanofluid, *International Journal of Heat and Technology*, Vol. 36, No. 2, pp. 509-524. DOI: 10.18280/ijht.360215
64	El-Sayed S.A., El-Sayed M.K.	Investigation of combustion and emissions of mixture of a wheat dust with binder pellet in a fixedbed combustor	Wheat Dust Pellets, Combustion and Gaseous Emission Characteristics, Internal Ignition Temperature, Experimental Correlations, Ash Analysis.	36, 2, 525-542	10.18280/ijht.360216	El-Sayed S.A., El-Sayed M.K. (2018). Investigation of combustion and emissions of mixture of a wheat dust with binder pellet in a fixedbed combustor, *International Journal of Heat and Technology*, Vol. 36, No. 2, pp. 525-542. DOI: 10.18280/ijht.360216
65	Li R., Liao R.Q.	Research on estimation of optical fiber probe gas holdup based on the adaptive weighted data fusion algorithm	Three-Phase Flow, Gas Holdup, Fiber Optic Probe, Adaptive Weighted.	36, 2, 543-547	10.18280/ijht.360217	Li R., Liao R.Q. (2018). Research on estimation of optical fiber probe gas holdup based on the adaptive weighted data fusion algorithm, *International Journal of Heat and Technology* , Vol. 36, No. 2, pp. 543-547. DOI: 10.18280/ijht.360217
66	Rani H.P., Narayana V., Rameshwar Y.	Analysis of vortical structures in a differentially heated lid driven cubical cavity	Mixed Convection, Reynolds Number, Richardson Number, Vortex Coreline.	36, 2, 548-556	10.18280/ijht.360218	Rani H.P., Narayana V., Rameshwar Y. (2018). Analysis of vortical structures in a differentially heated lid driven cubical cavity, *International Journal of Heat and Technology* , Vol. 36, No. 2, pp. 548-556. DOI: 10.18280/ijht.360218
67	Benseddik A., Azzi A., Khanniche R., Allaf A.K.	Simulation study of solar air collector with offset strip fin absorber plate for drying agricultural products in a semi-arid climate	Solar Drying, Mathematical Modeling, Numerical Simulation, Parametric Investigation, Optimal Air Mass Flow Rate.	36, 2, 557-568	10.18280/ijht.360219	Benseddik A., Azzi A., Khanniche R., Allaf A.K. (2018). Simulation study of solar air collector with offset strip fin absorber plate for drying agricultural products in a semi-arid climate, *International Journal of Heat and Technology*, Vol. 36, No. 2, pp. 557-568. DOI: 10.18280/ijht.360219
68	Tian Q.Q., Gu L.C.	Speed stiffness characteristics of electro-hydro-mechanical system	Electro-Hydro-Mechanical System (EHMS), Variable Speed Pumpcontrolled Hydraulic Motor System (VSPCMS), Speed Stiffness, Multiparameter	36, 2, 569-574	10.18280/ijht.360220	Tian Q.Q., Gu L.C. (2018). Speed stiffness characteristics of electro-hydro-mechanical system, *International Journal of Heat and Technology*, Vol. 36, No. 2, pp. 569-574. DOI: 10.18280/ijht.360220
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75	Ali F., Arif M., Khan I., Sheikh N.A., Saqib M.	Natural convection in polyethylene glycol based molybdenum disulfide nanofluid with thermal radiation, chemical reaction and ramped wall temperature	PEG, Molybdenum Disulfide Mos2 Casson Nanofluid, Ramped Wall Temperature.	36, 2, 619-631	10.18280/ijht.360227	Ali F., Arif M., Khan I., Sheikh N.A., Saqib M. (2018).Natural convection in polyethylene glycol based molybdenum disulfide nanofluid with thermal radiation, chemical reaction and ramped wall temperature, *International Journal of Heat and Technology* , Vol. 36, No. 2, pp. 619-631. DOI: 10.18280/ijht.360227
76	Yao W.L., Jiang S.Y., Tao S., Fei W.	Chloride diffusion analysis of reinforced concrete beam enhanced with externally bonded fibre reinforced polymer considering the presence of rebars and stirrups	Externally Bonded Fibre Reinforced Polymer (EBFRP), Enhanced Reinforced Concrete (RC) Beam, Chloride Diffusion, Longitudinal Bars, Stirrups.	36, 2, 632-642	10.18280/ijht.360228	Yao W.L., Jiang S.Y., Tao S., Fei W. (2018).Chloride diffusion analysis of reinforced concrete beam enhanced with externally bonded fibre reinforced polymer considering the presence of rebars and stirrups, *International Journal of Heat and Technology*, Vol. 36, No. 2, pp. 632-642. DOI: 10.18280/ijht.360228
77	Bazgir A., Nabhani N.	Computational fluid dynamics comparison of separation performance analysis of uniform and nonuniform counter-flow Ranque-Hilsch Vortex Tubes (RHVTs)	Divergent Vortex Tube, Convergent Vortex Tube, Isentropic Efficiency (ηis), Coefficient of Performance (COP), CFD.	36, 2, 643-656	10.18280/ijht.360229	Bazgir A., Nabhani N. (2018). Computational fluid dynamics comparison of separation performance analysis of uniform and nonuniform counter-flow Ranque-Hilsch Vortex Tubes (RHVTs), *International Journal of Heat and Technology* , Vol. 36, No. 2, pp. 643-656. DOI: 10.18280/ijht.360229
78	Wang K., Zhai X.W., Deng J., Liu X.R., Zhang Y.N.	Application of liquid CO_2 conveying technology for fire control in goaf	Liquid CO_2, Transport System, Coal Spontaneous Combustion, Fire Control, Long-Distance Pipe, Large Vertical Depth.	36, 2, 657-662	10.18280/ijht.360230	Wang K., Zhai X.W., Deng J., Liu X.R., Zhang Y.N. (2018). Application of liquid CO_2 conveying technology for fire control in goaf, *International Journal of Heat and Technology* , Vol. 36, No. 2, pp. 657-662. DOI: 10.18280/ijht.360230
79	Roy U., Majumder M.	An effective krill herd based optimal NN for parameter evaluation in Shell-And-Tube heatexchangers	Heat Transfer, Optimization, Fish, Neura Network, Hidden Layer and Neuron, Energy And Efficiency.	36, 2, 663-671	10.18280/ijht.360231	Roy U., Majumder M. (2018). An effective krill herd based optimal NN for parameter evaluation in Shell-And-Tube heat exchangers, *International Journal of Heat and Technology* , Vol. 36, No. 2, pp. 663-671. DOI: 10.18280/ijht.360231
80	Fan B.F., Shui Q.X., Yang Y.L.	Numerical simulation of the effects of diaphragm length on potential flow around a circular cylinder with rear diaphragm	Finite-Element Analysis, Rear Diaphragm, Potential Flow Around A Circular Cylinder, Multi-Step Format (MSF), Characteristicbased Operator Splitting (CBOP).	36, 2, 672-676	10.18280/ijht.360232	Fan B.F., Shui Q.X., Yang Y.L. (2018). Numerical simulation of the effects of diaphragm length on potential flow around a circular cylinder with rear diaphragm, *International Journal of Heat and Technology*, Vol. 36, No. 2, pp. 672-676. DOI: 10.18280/ijht.360232
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82	Jia Y.X., Mei Y.G.	Numerical simulation of pressure waves induced by high-speed maglev trains passing through tunnels	High-Speed Maglev Train, Numerical Simulation, Method of Characteristics, Pressure Wave, Tunnel.	36, 2, 687-696	10.18280/ijht.360234	Jia Y.X., Mei Y.G. (2018). Numerical simulation of pressure waves induced by high-speed maglev trains passing through tunnels, *International Journal of Heat and Technology*, Vol. 36, No. 2, pp. 687-696. DOI: 10.18280/ijht.360234
83	Pati B., Sharma B., Palo A., Barman R.N.	Numerical investigation of pin-fin thermal performance for staggered and inline arrays at low Reynolds number	Pin Fins, Sst K-Ω Turbulence Model, Fluent, Staggered, Inline, Nusselt Number.	36, 2, 697-703	10.18280/ijht.360235	Pati B., Sharma B., Palo A., Barman R.N. (2018). Numerical investigation of pin-fin thermal performance for staggered and inline arrays at low Reynolds number, *International Journal of Heat and Technology* , Vol. 36, No. 2, pp. 697-703.DOI: 10.18280/ijht.360235

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85	Oyelami F.H., Dada M.S.	Unsteady magnetohydrodynamic flow of some non-Newtonian fluids with slip through porous channel	Non-Newtonian Fluid, Slip, Porous Medium, Eyring-Powell Model, Prandtleyring Model.	36, 2, 709-713	10.18280/ijht.360237	Oyelami F.H., Dada M.S. (2018). Unsteady magnetohydrodynamic flow of some non-Newtonian fluids with slip through porous channel, *International Journal of Heat and Technology,* Vol. 36, No. 2, pp. 709-713. DOI: 10.18280/ijht.360237
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87	Wu Z., Tang C.J., Zhang W., Liu W.J.	Correlation analysis between orientation and energy consumption of semi-underground ski slope in hot summer and cold winter region	Hot Summer and Cold Winter Region, Semiunderground Ski Slope (SUSS), Quantitative Analysis, Orientation, Energy Consumption.	36, 2, 723-729	10.18280/ijht.360239	Wu Z., Tang C.J., Zhang W., Liu W.J. (2018). Correlation analysis between orientation and energy consumption of semi-underground ski slope in hot summer and cold winter region, *International Journal of Heat and Technology,* Vol. 36, No. 2, pp. 723-729. DOI: 10.18280/ijht.360239
88	Ejaz M.F., Manzoor S.	Experimental investigation of heat transfer in a vertical annulus with a bottom heated rotating inner cylinder	Experimental Investigation, Heat Transfer, Heat Transport Mechanisms, Vertical Annulus, Buoyancy-Driven Flow, Rotating Inner Cylinder.	36, 2, 730-740	10.18280/ijht.360240	Ejaz M.F., Manzoor S. (2018). Experimental investigation of heat transfer in a vertical annulus with a bottom heated rotating inner cylinder, *International Journal of Heat and Technology* , Vol. 36, No. 2, pp. 730-740. DOI: 10.18280/ijht.360240
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91	Ragui K., Boutra A., Benkahla Y.K., Bennacer R.	Circular heat and solute source within a viscoplastic porous enclosure: The critical source dimension for optimum transfers	Thermosolutal Convection, Bingham Plastics, Porous Medium, Circular Pollutant Source, Finite Volume Approach, Cut-Cell Approach, Proposed Models.	36, 2, 761-772	10.18280/ijht.360243	Ragui K., Boutra A., Benkahla Y.K., Bennacer R. (2018). Circular heat and solute source within a viscoplastic porous enclosure: The critical source dimension for optimum transfers, *International Journal of Heat and Technology* , Vol. 36, No. 2, pp. 761-772. DOI: 10.18280/ijht.360243
92	Kumar P.V., Ibrahim S.M., Lorenzini G.	The study of three dimensional radiative MHD Casson nanofluid over an exponential porous stretching sheet with heat source under convective boundary conditions	Three-Dimensional Flow, Casson Fluid, Exponentially Stretching Sheet, Radiation, HAM.	36, 1, 1-10	10.18280/ijht.360101	Kumar P.V., Ibrahim S.M., Lorenzini G. (2018). The study of three dimensional radiative MHD Casson nanofluid over an exponential porous stretching sheet with heat source under convective boundary conditions, *International Journal of Heat and Technology* , Vol. 36, No. 1, pp. 1-10. DOI: 10.18280/ijht.360101
93	Bilonoga Y., Maksysko O.	Specific features of heat exchangers calculation considering the laminar boundary layer, the transitional and turbulent thermal conductivity of heat carriers	Laminar Boundary Layer, Average Thickness of the Laminar Boundary Layer, Overall Heat Transfer Coefficient, Shell-and-tube Heat Exchanger, Criterion of Turbulent Thermal Conductivity of the Coolant, Coefficient of Surface Tension.	36, 1, 11-20	10.18280/ijht.360102	Bilonoga Y., Maksysko O. (2018). Specific features of heat exchangers calculation considering the laminar boundary layer, the transitional and turbulent thermal conductivity of heat carriers, *International Journal of Heat and Technology* , Vol. 36, No. 1, pp. 11-20. DOI: 10.18280/ijht.360102
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96	Tian Y.B., Hu A.J.	Study on critical speed of rotation in the multistage high speed centrifugal pumps rotors	Critical Speed of Rotation, Fluid-structure Interaction, Multistage Centrifugal Pump, Rotor Dynamics.	36, 1, 31-39	10.18280/ijht.360105	Tian Y.B., Hu A.J. (2018). Study on critical speed of rotation in the multistage high speed centrifugal pumps rotors, *International Journal of Heat and Technology* , Vol. 36, No. 1, pp. 31-39. DOI: 10.18280/ijht.360105
97	Rasool A., Qayoum A.	Numerical analysis of heat transfer and friction factor in two-pass channels with variable rib shapes	Local Heat Transfer Coefficient, Numerical Simulation, Ribs, Turbine Blade Internal Cooling.	36, 1, 40-48	10.18280/ijht.360106	Rasool A., Qayoum A. (2018). Numerical analysis of heat transfer and friction factor in two-pass channels with variable rib shapes, *International Journal of Heat and Technology* , Vol. 36, No. 1, pp. 40-48. DOI: 10.18280/ijht.360106
98	Sun G.Z., Zhang R.L., Tian K.Y.	The dynamic evolution model and experimental study of gas permeability under multiple factors	Coal Seam Gas, Permeability Model, Effective Stress, Temperature.	36, 1, 49-55	10.18280/ijht.360107	Sun G.Z., Zhang R.L., Tian K.Y. (2018). The dynamic evolution model and experimental study of gas permeability under multiple factors, *International Journal of Heat and Technology* , Vol. 36, No. 1, pp. 49-55. DOI: 10.18280/ijht.360107
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100	Cui X., Gao L., Liu J.X.	Wind tunnel test study on the influence of railing ventilation rate on the vortex vibration characteristics of the main beam	Bridge Engineering, Vortex-Induced Vibration, Aerodynamic Measure, Wind Tunnel Test.	36, 1, 65-71	10.18280/ijht.360109	Cui X., Gao L., Liu J.X. (2018). Wind tunnel test study on the influence of railing ventilation rate on the vortex vibration characteristics of the main beam, *International Journal of Heat and Technology* , Vol. 36, No. 1, pp. 65-71. DOI: 10.18280/ijht.360109
101	Bouhezza A., Kholai O., Boudebous S., Nemouchi Z.	Combined heat and mass transfer in mixed convection through a horizontal tube	Heat Transfer, Mass Transfer, Mixed Convection, Schmidt Number, Horizontal Tube (3D), Elliptic Equations.	36, 1, 72-80	10.18280/ijht.360110	Bouhezza A., Kholai O., Boudebous S., Nemouchi Z. (2018). Combined heat and mass transfer in mixed convection through a horizontal tube, *International Journal of Heat and Technology* , Vol. 36, No. 1, pp. 72-80. DOI: 10.18280/ijht.360110
102	Chen X.C., Guan J.F., Deng S.S., Liu Q., Chen M.	Features and mechanism of abrasive water jet cutting of Q345 steel	Abrasive Water Jet (AWJ), Smoothed-particle Hydrodynamics (SPH), Finite-element Method (FEM), Erosion.	36, 1, 81-87	10.18280/ijht.360111	Chen X.C., Guan J.F., Deng S.S., Liu Q., Chen M. (2018). Features and mechanism of abrasive water jet cutting of Q345 steel, *International Journal of Heat and Technology* , Vol. 36, No. 1, pp. 81-87. DOI: 10.18280/ijht.360111
103	Kanaan M., Chahine K.	CFD study of ventilation for indoor multi-zone transformer substation	Ventilation Schemes, Numerical Modeling, Transformer Substation, Turbulent Flow, Thermal Field.	36, 1, 88-94	10.18280/ijht.360112	Kanaan M., Chahine K. (2018). CFD study of ventilation for indoor multi-zone transformer substation, *International Journal of Heat and Technology* , Vol. 36, No. 1, pp. 88-94. DOI: 10.18280/ijht.360112
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106	He F., Wang J., Chen W.	Numerical simulation and analysis of the effect of baffle distance and depth on solid-liquid two-phase flow in circular secondary clarifier	Circular Secondary Clarifier (CSC), Peripheral Inlet and Outlet (PIO), Numerical Simulation, Velocity Field, Sludge Volume Concentration Field.	36, 1, 111-117	10.18280/ijht.360115	He F., Wang J., Chen W. (2018). Numerical simulation and analysis of the effect of baffle distance and depth on solid-liquid two-phase flow in circular secondary clarifier, *International Journal of Heat and Technology* , Vol. 36, No. 1, pp. 111-117. DOI: 10.18280/ijht.360115
107	Krishna V.M.	Emissions control and performance evaluation of spark ignition engine with oxy-hydrogen blending	Emissions, HHO Gas, Spark Ignition Engine, Specific Fuel Consumption, Thermal Efficiency.	36, 1, 118-124	10.18280/ijht.360116	Krishna V.M. (2018). Emissions control and performance evaluation of spark ignition engine with oxy-hydrogen blending, *International Journal of Heat and Technology* , Vol. 36, No. 1, pp. 118-124. DOI: 10.18280/ijht.360116
108	Guan F.W., Zhang F., Cao N.L., Liu Q., Liu J., Yu S.M., Guan H.Y.	Thermal control design and experimental verification of light off-axis space optical remote sensor in the sun-synchronous orbit	Sun-synchronous Orbit, Space Optical Remote Sensor, Thermal Control Design, Thermal Balance Test.	36, 1, 125-132	10.18280/ijht.360117	Guan F.W., Zhang F., Cao N.L., Liu Q., Liu J., Yu S.M., Guan H.Y. (2018). Thermal control design and experimental verification of light off-axis space optical remote sensor in the sun-synchronous orbit, *International Journal of Heat and Technology* , Vol. 36, No. 1, pp. 125-132. DOI: 10.18280/ijht.360117
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110	Tian P., Nie L., Zhan G.F.	Analysis of asphalt wettability based on spreading radius	Viscous Fluid, Wetting, Spreading, Adhesion Ability, Interfacial Tension, Surface Energy.	36, 1, 141-146	10.18280/ijht.360119	Tian P., Nie L., Zhan G.F. (2018). Analysis of asphalt wettability based on spreading radius, *International Journal of Heat and Technology* , Vol. 36, No. 1, pp. 141-146. DOI: 10.18280/ijht.360119
111	Sadaghiyani O.K., Boubakran M.S., Hassanzadeh A.	Energy and exergy analysis of parabolic trough collectors	Evacuated Absorber Tube, Parabolic Trough Collector, Exergetic Efficiency, Exergy Destruction, Exergy Loss.	36, 1, 147-158	10.18280/ijht.360120	Sadaghiyani O.K., Boubakran M.S., Hassanzadeh A. (2018). Energy and exergy analysis of parabolic trough collectors, *International Journal of Heat and Technology* , Vol. 36, No. 1, pp. 147-158. DOI: 10.18280/ijht.360120
112	Chi M.S., Wang Q., Liu H.Q., Wang Z.C., Liu Q.	Characteristic analysis of gas & solid phase flow in oil shale pyrolysis circulating fluidized bed	Gas & Solid Phase Flow, Oil Shale, CFB, Computational Fluid Mechanics of Particles.	36, 1, 159-164	10.18280/ijht.360121	Chi M.S., Wang Q., Liu H.Q., Wang Z.C., Liu Q. (2018). Characteristic analysis of gas & solid phase flow in oil shale pyrolysis circulating fluidized bed, *International Journal of Heat and Technology* , Vol. 36, No. 1, pp. 159-164. DOI: 10.18280/ijht.360121
113	Mukherjee S., Mishra P.C., Chaudhuri P., Banerjee G.	Theoretical modeling and optimization of microchannel heat sink cooling with TiO_2-water and ZnO-water nanofluids	Nanofluids, Electronic Cooling, Microchannel, Heatsink, Optimization, EES.	36, 1, 165-172	10.18280/ijht.360122	Mukherjee S., Mishra P.C., Chaudhuri P., Banerjee G. (2018). Theoretical modeling and optimization of microchannel heat sink cooling with TiO2-water and ZnO-water nanofluids, *International Journal of Heat and Technology* , Vol. 36, No. 1, pp. 165-172. DOI: 10.18280/ijht.360122

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115	Reddy G.V.S.K., Ramesh K.V.	Mass transfer enhancement in a three-phase fluidized bed electrochemical reactor	Mass Transfer Coefficient, Fluidized Bed, Three-phase Fluidization, Augmentation, Turbulent Promoter.	36, 1, 182-188	10.18280/ijht.360124	Reddy G.V.S.K., Ramesh K.V. (2018). Mass transfer enhancement in a three-phase fluidized bed electrochemical reactor, *International Journal of Heat and Technology* , Vol. 36, No. 1, pp. 182-188. DOI: 10.18280/ijht.360124
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117	Praveena D.N., Rao C.S., Kiran K.K.	Suitability of magnetic nanofluid in heat transfer loops	Heat Transfer, Pumping Power, Electronic Cooling, Figure of Merit, Magnetic Field.	36, 1, 195-200	10.18280/ijht.360126	Praveena D.N., Rao C.S., Kiran K.K. (2018). Suitability of magnetic nanofluid in heat transfer loops, *International Journal of Heat and Technology* , Vol. 36, No. 1, pp. 195-200. DOI: 10.18280/ijht.360126
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120	Liu F.	Numerical analysis of droplet atomization in wet electrostatic precipitator based on computational particle-fluid dynamics	Wet Electrostatic Precipitator, Computational Particle-fluid Dynamics (CPFD), Numerical Simulation, Droplet Atomization.	36, 1, 215-221	10.18280/ijht.360129	Liu F. (2018). Numerical analysis of droplet atomization in wet electrostatic precipitator based on computational particle-fluid dynamics, *International Journal of Heat and Technology* , Vol. 36, No. 1, pp. 215-221. DOI: 10.18280/ijht.360129
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126	Sun Y., Rong J.Y., Tian Y.N., Niu Y.X., Zhang M.H.	Research on resistance features of plate heat exchanger based on flow distribution	Plate Heat Exchanger, Flow Distribution, Resistance Features.	36, 1, 261-266	10.18280/ijht.360135	Sun Y., Rong J.Y., Tian Y.N., Niu Y.X., Zhang M.H. (2018). Research on resistance features of plate heat exchanger based on flow distribution, *International Journal of Heat and Technology* , Vol. 36, No. 1, pp. 261-266. DOI: 10.18280/ijht.360135
127	Saravanan V., Umesh C.K., Seetharamu D.H.K.	Numerical investigation of pressure drop and heat transfer in pin fin heat sink and micro channel pin fin heat sink	Micro Channel, Micro Pin Fin, Heat Sink, Square Pin Fin, Circular Pin Fin, Fined Micro Channel.	36, 1, 267-276	10.18280/ijht.360136	Saravanan V., Umesh C.K., Seetharamu D.H.K. (2018). Numerical investigation of pressure drop and heat transfer in pin fin heat sink and micro channel pin fin heat sink, *International Journal of Heat and Technology* , Vol. 36, No. 1, pp. 267-276. DOI: 10.18280/ijht.360136
128	Zhang C.H., Qiu J.S., Guan X., Hou P.J., Huang W.	Research on thermal performance of external thermal insulation composite concrete wall block	Concrete Wall, Thermal Performance, Heat Transfer Resistance, Thermal Inertia, H- shaped Wall Block Structure.	36, 1, 277-281	10.18280/ijht.360137	Zhang C.H., Qiu J.S., Guan X., Hou P.J., Huang W. (2018). Research on thermal performance of external thermal insulation composite concrete wall block, *International Journal of Heat and Technology* , Vol. 36, No. 1, pp. 277-281. DOI: 10.18280/ijht.360137
129	Kumar S., Priyam A., Prasad R.K.	Thermal, effective and exergetic analysis of double flow packed bed solar air heater	Packed Bed, Energy Analysis, Temperature Rise, Effective Efficiency, Exergy Analysis.	36, 1, 282-292	10.18280/ijht.360138	Kumar S., Priyam A., Prasad R.K. (2018). Thermal, effective and exergetic analysis of double flow packed bed solar air heater, *International Journal of Heat and Technology* , Vol. 36, No. 1, pp. 282-292. DOI: 10.18280/ijht.360138
130	Hu Q.L., Shi G.W., Jiang F., Zhou H.D., Li Z.H., Yang L., Zhang X.J.	Thermal environment adaptability design of space-based infrared imaging system	Space-based, Infrared Imaging, Thermal Environment, Non-thermal Design, Thermal Control.	36, 1, 293-300	10.18280/ijht.360139	Hu Q.L., Shi G.W., Jiang F., Zhou H.D., Li Z.H., Yang L., Zhang X.J. (2018). Thermal environment adaptability design of space-based infrared imaging system, *International Journal of Heat and Technology* , Vol. 36, No. 1, pp. 293-300. DOI: 10.18280/ijht.360139
131	Sartor K., Thomas D., Dewallef P.	A comparative study for simulating heat transport in large district heating networks	District Heating Network, DHN, Pipe, Dynamic Simulation, Heat Transport.	36, 1, 301-308	10.18280/ijht.360140	Sartor K., Thomas D., Dewallef P. (2018). A comparative study for simulating heat transport in large district heating networks, *International Journal of Heat and Technology* , Vol. 36, No. 1, pp. 301-308. DOI: 10.18280/ijht.360140
132	Wen J., Yang M., Qi W.L., Wang J., Yuan Q., Luo W.	Experimental analysis and numerical simulation of variable mass flow in horizontal wellbore	Horizontal Wellbore, Variable Mass Flow, Numerical Simulation, Experimental Simulation, Mixture Pressure Drop.	36, 1, 309-318	10.18280/ijht.360141	Wen J., Yang M., Qi W.L., Wang J., Yuan Q., Luo W. (2018). Experimental analysis and numerical simulation of variable mass flow in horizontal wellbore, *International Journal of Heat and Technology* , Vol. 36, No. 1, pp. 309-318. DOI: 10.18280/ijht.360141
133	Medina Y.C., Khandy N.H., Carlson K.M., Fonticiella O.M.C., Morales O.F.C.	Mathematical modeling of two-phase media heat transfer coefficient in air cooled condenser systems	Equation, Roshenow's Correction, Condensation, Deviation, Heat Transfer.	36, 1, 319-324	10.18280/ijht.360142	Medina Y.C., Khandy N.H., Carlson K.M., Fonticiella O.M.C., Morales O.F.C. (2018). Mathematical modeling of two-phase media heat transfer coefficient in air cooled condenser systems, *International Journal of Heat and Technology* , Vol. 36, No. 1, pp. 319-324. DOI: 10.18280/ijht.360142
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139	Bensayah K., Mahfoudi E.	Detached eddy simulation of compressible flow with rapid expanded divergent contour	Compressible Flow, Detached Eddy Simu-lation, SST Model, Nozzle, Over-expanded, Shock.	36, 1, 359-366	10.18280/ijht.360148	Bensayah K., Mahfoudi E. (2018). Detached eddy simulation of compressible flow with rapid expanded divergent contour, *International Journal of Heat and Technology* , Vol. 36, No. 1, pp. 359-366. DOI: 10.18280/ijht.360148
140	Touatit A., Bougriou C.	Optimal diameters of triple concentric-tube heat exchangers	Heat Exchanger, Concentric-tube, Design, Energy, Cost.	36, 1, 367-375	10.18280/ijht.360149	Touatit A., Bougriou C. (2018). Optimal diameters of triple concentric-tube heat exchangers, *International Journal of Heat and Technology* , Vol. 36, No. 1, pp. 367-375. DOI: 10.18280/ijht.360149
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143	Huang X.Q., Zhang D.L., Zhang X.	Stability of secondary atomization locations of atomizer nozzles for humidification chambers	Humidification Chamber, Atomization Features, Critical Pressure, Secondary Atomization.	35, 4, 700-706	10.18280/ijht.350402	Huang X.Q., Zhang D.L., Zhang X. (2017). Stability of secondary atomization locations of atomizer nozzles for humidification chambers, *International Journal of Heat and Technology* , Vol. 35, No. 4, pp. 700-706. DOI: 10.18280/ijht.350402
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145	Wen Y., Wu Z.H., Wang J.L., Wu J., Yin Q.G., Luo W.	Experimental study of liquid holdup of liquid-gas two-phase flow in horizontal and inclined pipes	Liquid Holdup, Liquid-gas Two-phase Flow, Horizontal and Inclined Pipe, Gas-liquid Ratio, Pipe Diameter, Liquid Type, Pipe Inclination.	35, 4, 713-720	10.18280/ijht.350404	Wen Y., Wu Z.H., Wang J.L., Wu J., Yin Q.G., Luo W. (2017). Experimental study of liquid holdup of liquid-gas two-phase flow in horizontal and inclined pipes, *International Journal of Heat and Technology* , Vol. 35, No. 4, pp. 713-720. DOI: 10.18280/ijht.350404
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147	Ren L.B., Zhao X.Q., Zhang S.F.	Hydrodynamic investigation of slurry flows in horizontal narrow rectangular channels	CFD-DEM, Experiment, Slurry, Horizontal Narrow Rectangular Channel.	35, 4, 730-736	10.18280/ijht.350406	Ren L.B., Zhao X.Q., Zhang S.F. (2017). Hydrodynamic investigation of slurry flows in horizontal narrow rectangular channels, *International Journal of Heat and Technology* , Vol. 35, No. 4, pp. 730-736. DOI: 10.18280/ijht.350406
148	Norozi M.	Experimental investigation of improving received radiation by an hourly sun tracking on a weir-type cascade solar still	Hourly Sun Tracking, Weir-type Cascade Solar Still, Azimuth Angels, Energy Efficiency, Solar Radiation.	35, 4, 737-746	10.18280/ijht.350407	Norozi M. (2017). Experimental investigation of improving received radiation by an hourly sun tracking on a weir-type cascade solar still, *International Journal of Heat and Technology* , Vol. 35, No. 4, pp. 737-746. DOI: 10.18280/ijht.350407
149	Liu Y., Liang B.C., Liu X.T.	Experimental and numerical optimization of coal breakage performance parameters through abrasive gas jet	Abrasive Gas Jet (AGJ), Coal and Rock Breakage, Laval Nozzle, Water Jet.	35, 4, 747-754	10.18280/ijht.350408	Liu Y., Liang B.C., Liu X.T. (2017). Experimental and numerical optimization of coal breakage performance parameters through abrasive gas jet, *International Journal of Heat and Technology* , Vol. 35, No. 4, pp. 747-754. DOI: 10.18280/ijht.350408
150	Motevasel M., Nazar A.R.S., Jamialahmadi M.	Experimental investigation of turbulent flow convection heat transfer of MgO/water nanofluid at low concentrations – Prediction of aggregation effect of nanoparticles	Aggregate, Low Concentration, Mgo/Water Nanofluid, Physical Properties.	35, 4, 755-764	10.18280/ijht.350409	Motevasel M., Nazar A.R.S., Jamialahmadi M. (2017). Experimental investigation of turbulent flow convection heat transfer of MgO/water nanofluid at low concentrations – Prediction of aggregation effect of nanoparticles, *International Journal of Heat and Technology* , Vol. 35, No. 4, pp. 755-764. DOI: 10.18280/ijht.350409
151	Zhang F., Sun D.Y., Xie J.M., Xu S.M., Huang H.G., Li J., Hou H.T., Wu J.	Application of zirconia thermal barrier coating on the surface of pulling-straightening roller	Laser Remelting, Nano Zirconia, Thermal Barrier Coating (TBC), Pulling-Straightening Roller.	35, 4, 765-772	10.18280/ijht.350410	Zhang F., Sun D.Y., Xie J.M., Xu S.M., Huang H.G., Li J., Hou H.T., Wu J. (2017). Application of zirconia thermal barrier coating on the surface of pulling-straightening roller, *International Journal of Heat and Technology* , Vol. 35, No. 4, pp. 765-772. DOI: 10.18280/ijht.350410
152	Quinlan B., Kaufmann B., Allensina G., Pedrazzi S., Whipple S.	Application of OLTT in gasification power systems	Biomass, Gasification, Syngas, Tar Testing, Light Absorbance.	35, 4, 773-778	10.18280/ijht.350411	Quinlan B., Kaufmann B., Allensina G., Pedrazzi S., Whipple S. (2017). Application of OLTT in gasification power systems, *International Journal of Heat and Technology* , Vol. 35, No. 4, pp. 773-778. DOI: 10.18280/ijht.350411
153	Wang X.D., Wang X.Y., Lan L., Pu Y.Y.	Turbulence features of jet flow field in mine stopes	Dimensionless Coefficient, Jet Width, Jet Length, Turbulence Intensity, Reynolds Stress.	35, 4, 779-784	10.18280/ijht.350412	Wang X.D., Wang X.Y., Lan L., Pu Y.Y. (2017). Turbulence features of jet flow field in mine stopes, *International Journal of Heat and Technology* , Vol. 35, No. 4, pp. 779-784. DOI: 10.18280/ijht.350412
154	Amelio M., Barbarelli S., Rovense F., Scornaienchi N.M.	Possibility of employing a small power tangential flow turbine prototype in a micro solar concentration plant	Solar Plant, Small Turbine Prototype, Design Criteria, Mirror Field, Case Study.	35, 4, 785-792	10.18280/ijht.350413	Amelio M., Barbarelli S., Rovense F., Scornaienchi N.M. (2017). Possibility of employing a small power tangential flow turbine prototype in a micro solar concentration plant, *International Journal of Heat and Technology* , Vol. 35, No. 4, pp. 785-792. DOI: 10.18280/ijht.350413
155	Sun C., Zuo Z.S., Lu W., Liu X.T., Guo X.L., Liu F.	Visualization of the heat transfer character of dry slag discharge system	Dry Slag Discharge System, Heat Transfer Character, Numerical Calculation, Visualization.	35, 4, 793-798	10.18280/ijht.350414	Sun C., Zuo Z.S., Lu W., Liu X.T., Guo X.L., Liu F. (2017). Visualization of the heat transfer character of dry slag discharge system, *International Journal of Heat and Technology* , Vol. 35, No. 4, pp. 793-798. DOI: 10.18280/ijht.350414
156	Landers B.D., Disimile P.J., Toy N.	The fluid thermal field over a flat heated disk	Thermal Field, Flat Heated Disk, Surface Ignition, Pool Boiling, Film Boiling.	35, 4, 799-805	10.18280/ijht.350415	Landers B.D., Disimile P.J., Toy N. (2017). The fluid thermal field over a flat heated disk, *International Journal of Heat and Technology* , Vol. 35, No. 4, pp. 799-805. DOI: 10.18280/ijht.350415
157	Zhao Q., Bai Z.C., Lu A.J., Liu Q.	Research on the ablation of fused silica irradiated by Laguerre-Gaussian beam	Laser Technique, Simulation, Fused Silica, Laguerre Gauss Beam, Vaporization.	35, 4, 806-810	10.18280/ijht.350416	Zhao Q., Bai Z.C., Lu A.J., Liu Q. (2017). Research on the ablation of fused silica irradiated by Laguerre-Gaussian beam, *International Journal of Heat and Technology* , Vol. 35, No. 4, pp. 806-810. DOI: 10.18280/ijht.350416
158	Chaware P., Sewatkar C.M.	Effects of tangential and radial velocity on the heat transfer for flow through pipe with twisted tape insert-turbulent flow	Heat Transfer Augmentation, Radial Velocity, Tangential Velocity, Twisted Tape.	35, 4, 811-820	10.18280/ijht.350417	Chaware P., Sewatkar C.M. (2017). Effects of tangential and radial velocity on the heat transfer for flow through pipe with twisted tape insert-turbulent flow, *International Journal of Heat and Technology* , Vol. 35, No. 4, pp. 811-820. DOI: 10.18280/ijht.350417
159	Wang H.B., Guo X.G.	Transient analysis of thermal and moisture transfer in building materials	Hybrid Numerical Method, Coupled Heat and Moisture Transfer, Transient Analysis.	35, 4, 821-826	10.18280/ijht.350418	Wang H.B., Guo X.G. (2017). Transient analysis of thermal and moisture transfer in building materials, *International Journal of Heat and Technology* , Vol. 35, No. 4, pp. 821-826. DOI: 10.18280/ijht.350418
160	Casano G., Fossa M., Piva S.	Development and testing of a compound parabolic collector for large acceptance angle thermal applications	Solar Thermal Collector, Compound Parabolic Concentrator CPC, Evacuated Tubes.	35, 4, 827-835	10.18280/ijht.350419	Casano G., Fossa M., Piva S. (2017). Development and testing of a compound parabolic collector for large acceptance angle thermal applications, *International Journal of Heat and Technology* , Vol. 35, No. 4, pp. 827-835. DOI: 10.18280/ijht.350419
161	Tong X., Guo W.G., Kang K.Q., Qin Y.P.	Experimental evaluation of heat and moisture transmission characteristics of the working ensemble of hot coal mines using the thermal manikin	Mine Thermal Hazard, Mining Ensemble, Thermal Insulation, Evaporative Resistance, Thermal.	35, 4, 836-842	10.18280/ijht.350420	Tong X., Guo W.G., Kang K.Q., Qin Y.P. (2017). Experimental evaluation of heat and moisture transmission characteristics of the working ensemble of hot coal mines using the thermal manikin, *International Journal of Heat and Technology* , Vol. 35, No. 4, pp. 836-842. DOI: 10.18280/ijht.350420
162	Cucumo M.A., Ferraro V., Kaliakatsos D., Mele M., Cucumo D.	Equivalent electrical circuit to estimate the PV/T solar collector producibility	Electrical Analogy, Solar Collectors, PV/T Collectors.	35, 4, 843-852	10.18280/ijht.350421	Cucumo M.A., Ferraro V., Kaliakatsos D., Mele M., Cucumo D. (2017). Equivalent electrical circuit to estimate the PV/T solar collector producibility, *International Journal of Heat and Technology* , Vol. 35, No. 4, pp. 843-852. DOI: 10.18280/ijht.350421
163	De Angelis A., Chinese D., Saro O.	Free-cooling potential in shopping mall buildings with plants equipped by dry-coolers boosted with evaporative pads	Evaporative Pad, Energy Saving, Free Cooling, TRNSYS, Shopping Mall.	35, 4, 853-862	10.18280/ijht.350422	De Angelis A., Chinese D., Saro O. (2017). Free-cooling potential in shopping mall buildings with plants equipped by dry-coolers boosted with evaporative pads, *International Journal of Heat and Technology* , Vol. 35, No. 4, pp. 853-862. DOI: 10.18280/ijht.350422
164	Srivastava P., Dewan A., Bajpai J.K.	Flow and heat transfer characteristics in convergent-divergent shaped microchannel with ribs and cavities	Convergent-Divergent Shape, Ribs and Cavities, Heat Transfer Enhancement, Thermal Boundary-Layer, Nusselt Number.	35, 4, 863-873	10.18280/ijht.350423	Srivastava P., Dewan A., Bajpai J.K. (2017). Flow and heat transfer characteristics in convergent-divergent shaped microchannel with ribs and cavities, *International Journal of Heat and Technology* , Vol. 35, No. 4, pp. 863-873. DOI: 10.18280/ijht.350423
165	Elahmer M., Abboudi S., Boukadida N.	Nanofluid effect on forced convective heat transfer inside a heated horizontal tube	Forced Convection, Laminar Flow, Unsteady, Hybrid Nanofluid, Conjugated Heat Transfer.	35, 4, 874-882	10.18280/ijht.350424	Elahmer M., Abboudi S., Boukadida N. (2017). Nanofluid effect on forced convective heat transfer inside a heated horizontal tube, *International Journal of Heat and Technology* , Vol. 35, No. 4, pp. 874-882. DOI: 10.18280/ijht.350424
166	Benyoucef D., Zeroual M., Benmoussa H.	Natural convection in tilted rectangular cavities due to bidirectional temperature gradient	CFD Simulation, Inclined Vessel, Heat Transfer, Natural Convection, Structure.	35, 4, 883-892	10.18280/ijht.350425	Benyoucef D., Zeroual M., Benmoussa H. (2017). Natural convection in tilted rectangular cavities due to bidirectional temperature gradient, *International Journal of Heat and Technology* , Vol. 35, No. 4, pp. 883-892. DOI: 10.18280/ijht.350425
167	Aamina F.A.B., Khan I., Saqib N.A.S.M.	Magnetohydrodynamic flow of brinkman-type engine oil based MoS2-nanofluid in a rotating disk with hall effect	BEOBMN, MHD Flow, Closed-form Solutions, The Laplace Transform.	35, 4, 893-902	10.18280/ijht.350426	Aamina F.A.B., Khan I., Saqib N.A.S.M. (2017). Magnetohydrodynamic flow of brinkman-type engine oil based MoS2-nanofluid in a rotating disk with hall effect, *International Journal of Heat and Technology* , Vol. 35, No. 4, pp. 893-902. DOI: 10.18280/ijht.350426
168	Nahak M.P., Triveni M.K., Panua R.	Numerical investigation of mixed convection in a lid-driven triangular cavity with a circular cylinder using ANN modeling	Mixed Convection, Triangular Enclosure, Grashof Number, Richardson Number, ANN.	35, 4, 903-918	10.18280/ijht.350427	Nahak M.P., Triveni M.K., Panua R. (2017). Numerical investigation of mixed convection in a lid-driven triangular cavity with a circular cylinder using ANN modeling, *International Journal of Heat and Technology* , Vol. 35, No. 4, pp. 903-918. DOI: 10.18280/ijht.350427
169	Gogoi P., Triveni M.K., Panua R.	Numerical investigation of 3D turbulent forced convective heat transfer and friction characteristics of a square duct	Darcy Friction Factor, Forced Convection, Nusselt Number, Reynolds Number, Thermal Enhancement Factor.	35, 4, 919-932	10.18280/ijht.350428	Gogoi P., Triveni M.K., Panua R. (2017). Numerical investigation of 3D turbulent forced convective heat transfer and friction characteristics of a square duct, *International Journal of Heat and Technology* , Vol. 35, No. 4, pp. 919-932. DOI: 10.18280/ijht.350428
170	Yejjer O., Kolsi L., Al-Rashed A.A.A.A., Aydi A., Borjini M.N., Ben Aissia H.	Numerical analysis of natural convection and entropy generation in a 3D partitioned cavity	3D, Entropy Generation, Inclination Angles, Natural Convection, Partitions.	35, 4, 933-943	10.18280/ijht.350429	Yejjer O., Kolsi L., Al-Rashed A.A.A.A., Aydi A., Borjini M.N., Ben Aissia H. (2017). Numerical analysis of natural convection and entropy generation in a 3D partitioned cavity, *International Journal of Heat and Technology* , Vol. 35, No. 4, pp. 933-943. DOI: 10.18280/ijht.350429
171	Cetin E., Cetkin E.	The effect of cavities and T-shaped assembly of fins on overall thermal resistances	Constructal Law, Heat Transfer Enhancement, Cavity, Fin, Convective Heat Transfer.	35, 4, 944-952	10.18280/ijht.350430	Cetin E., Cetkin E. (2017). The effect of cavities and T-shaped assembly of fins on overall thermal resistances, *International Journal of Heat and Technology* , Vol. 35, No. 4, pp. 944-952. DOI: 10.18280/ijht.350430

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173	Adibi O., Farhanieh B., Afshin H.	Numerical study of heat and mass transfer in underexpanded sonic free jet	Numerical Simulation, Gas Release, Sonic Free Jets, High Pressure Tanks, Shock Waves.	35, 4, 959-968	10.18280/ijht.350432	Adibi O., Farhanieh B., Afshin H. (2017). Numerical study of heat and mass transfer in underexpanded sonic free jet, *International Journal of Heat and Technology* , Vol. 35, No. 4, pp. 959-968. DOI: 10.18280/ijht.350432
174	Jasim H.H., Söylemez M.S.	Optimization of a rectangular pin fin using rectangular perforations with different inclination angles	Fin, Incline Perforation, Natural Convection, Degenerate Hypergeometric Equation, Optimization, Entropy Minimization.	35, 4, 969-977	10.18280/ijht.350433	Jasim H.H., Söylemez M.S. (2017). Optimization of a rectangular pin fin using rectangular perforations with different inclination angles, *International Journal of Heat and Technology* , Vol. 35, No. 4, pp. 969-977. DOI: 10.18280/ijht.350433
175	Kumar P.V., Ibrahim S.M., Lorenzini G.	Impact of thermal radiation and Joule heating on MHD mixed convection flow of a Jeffrey fluid over a stretching sheet using homotopy analysis method	Jeffrey Fluid, Thermal Radiation, Heat Source, Viscous Dissipation, HAM.	35, 4, 978-986	10.18280/ijht.350434	Kumar P.V., Ibrahim S.M., Lorenzini G. (2017). Impact of thermal radiation and Joule heating on MHD mixed convection flow of a Jeffrey fluid over a stretching sheet using homotopy analysis method, *International Journal of Heat and Technology* , Vol. 35, No. 4, pp. 978-986. DOI: 10.18280/ijht.350434
176	Emam T.G., Elmaboud Y.A.	Three-dimensional magneto-hydrodynamic flow over an exponentially stretching surface	Heat Transfer, MHD Flow, Stretching Surface, Three-dimensional Flow.	35, 4, 987-996	10.18280/ijht.350435	Emam T.G., Elmaboud Y.A. (2017). Three-dimensional magneto-hydrodynamic flow over an exponentially stretching surface, *International Journal of Heat and Technology* , Vol. 35, No. 4, pp. 987-996. DOI: 10.18280/ijht.350435
177	Du H.W., Xiong W., Xu C., Jiang Z.A.	Research on the controllability and energy saving of the pneumatic direct drive system	Pneumatic Energy Saving, Directly Driven System, System Identification, PID Control, Fuzzy PID Control.	35, 4, 997-1004	10.18280/ijht.350436	Du H.W., Xiong W., Xu C., Jiang Z.A. (2017). Research on the controllability and energy saving of the pneumatic direct drive system, *International Journal of Heat and Technology* , Vol. 35, No. 4, pp. 997-1004. DOI: 10.18280/ijht.350436
178	Ahamed S.M.S., Mondal S., Sibanda P.	Impulsive nanofluid flow along a vertical stretching cone	Chemical Reaction, Nanofluid Flow, Stretching or Shrinking Cone, Spectral Local Linearization Method.	35, 4, 1005-1014	10.18280/ijht.350437	Ahamed S.M.S., Mondal S., Sibanda P. (2017). Impulsive nanofluid flow along a vertical stretching cone, *International Journal of Heat and Technology* , Vol. 35, No. 4, pp. 1005-1014. DOI: 10.18280/ijht.350437
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180	Mekroussi S., Kherris S., Mebarki B., Benchatti A.	Mixed convection in complicated cavity with non-uniform heating on both sidewalls	Mixed Convection, Lid-driven Cavity, Wavy Wall, Spatially Variable Temperature, Amplitude, Phase Deviation.	35, 4, 1023-1033	10.18280/ijht.350439	Mekroussi S., Kherris S., Mebarki B., Benchatti A. (2017). Mixed convection in complicated cavity with non-uniform heating on both sidewalls, *International Journal of Heat and Technology* , Vol. 35, No. 4, pp. 1023-1033. DOI: 10.18280/ijht.350439
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182	Guo R., Zhang W.M., Jiang J.Z., Li J., Zhang Y.T.	Gas-liquid two-phase flow characteristics in pump-assisted evacuation process for pipeline	Hilly-terrain Pipeline, Pump-assisted Evacuation, Gas Liquid Flow, Flow Pattern Transition, Pressure Fluctuation.	35, 4, 1045-1050	10.18280/ijht.350441	Guo R., Zhang W.M., Jiang J.Z., Li J., Zhang Y.T. (2017). Gas-liquid two-phase flow characteristics in pump-assisted evacuation process for pipeline, *International Journal of Heat and Technology* , Vol. 35, No. 4, pp. 1045-1050. DOI: 10.18280/ijht.350441
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184	Liao W.T., Deng X.Y.	Numerical simulation of pressure relief gas flow under mining conditions	Pressure Relief Gas (PRG), Buried Pipe Extraction, Numerical Simulation, Overlying and Underlying Coal-rock Masses.	35, 4, 1061-1064	10.18280/ijht.350443	Liao W.T., Deng X.Y. (2017). Numerical simulation of pressure relief gas flow under mining conditions, *International Journal of Heat and Technology* , Vol. 35, No. 4, pp. 1061-1064. DOI: 10.18280/ijht.350443
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186	Ajibade A.O., Onoja T.U.	Entropy generation and irreversibility analysis due to steady mixed convection flow in a vertical porous channel	Entropy Generation, Mixed Convection, Homotopy Perturbation, Irreversibility Distribution.	35, 3, 433-446	10.18280/ijht.350301	Ajibade A.O., Onoja T.U. (2017). Entropy generation and irreversibility analysis due to steady mixed convection flow in a vertical porous channel, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 433-446. DOI: 10.18280/ijht.350301
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188	Ambethkar V., Kumar M.	Numerical solutions of 2-D unsteady incompressible flow with heat transfer in a driven square cavity using streamfunction-vorticity formulation	Components of Velocity, Isobars, Isotherms, Low and Moderate Reynolds Numbers, No-Slip and Slip Boundary Conditions, Nusselt Number, Stream Function-Vorticity Formulation, Two Sided Lid-Driven Square Cavity.	35, 3, 459-473	10.18280/ijht.350303	Ambethkar V., Kumar M. (2017). Numerical solutions of 2-D unsteady incompressible flow with heat transfer in a driven square cavity using streamfunction-vorticity formulation, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 459-473. DOI: 10.18280/ijht.350303
189	Mesmoudi K., Meguellati K., Bournet P.E.	Thermal analysis of greenhouses installed under semi arid climate	Greenhouse Design, Thermal Analysis, CFD Simulation, Radiation, Coupled Model.	35, 3, 474-486	10.18280/ijht.350304	Mesmoudi K., Meguellati K., Bournet P.E. (2017). Thermal analysis of greenhouses installed under semi arid climate, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 474-486. DOI: 10.18280/ijht.350304
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191	Bataineh K., Taamneh Y.	Performance analysis of stand-alone solar dish Stirling system for electricity generation	Standalone Solar Dish Stirling, Solar Thermal Power, Performance, Energy Conversion Efficiency, SAM, Techno Economic.	35, 3, 498-508	10.18280/ijht.350306	Bataineh K., Taamneh Y. (2017). Performance analysis of stand-alone solar dish Stirling system for electricity generation, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 498-508. DOI: 10.18280/ijht.350306
192	Sarma P.K., Konijeti R., Subramanyam T., Prasad L.S.V., Korada V.S., Srinivas V., Vedula D.R., Prasad V.S.R.K.	Fouling and its effect on the thermal performance of heat exchanger tubes	Fouling, Heat Exchangers, Maintenance, Critical Period, Unsteady State.	35, 3, 509-519	10.18280/ijht.350307	Sarma P.K., Konijeti R., Subramanyam T., Prasad L.S.V., Korada V.S., Srinivas V., Vedula D.R., Prasad V.S.R.K. (2017). Fouling and its effect on the thermal performance of heat exchanger tubes, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 509-519. DOI: 10.18280/ijht.350307
193	Lalmi D., Hadef R.	Numerical study of the swirl direction effect at the turbulent diffusion flame characteristics	Swirl, Large Eddy Simulation, Turbulence, Flame, Co and Counter Swirl.	35, 3, 520-528	10.18280/ijht.350308	Lalmi D., Hadef R. (2017). Numerical study of the swirl direction effect at the turbulent diffusion flame characteristics, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 520-528. DOI: 10.18280/ijht.350308
194	Jawarneh A.M., Al-Widyan M., Al-Migdady A., Tlilan H., Tarawneh M., Ababneh A.	Double vortex generators for increasing the separation efficiency of the air separator	Air Separator, Double Vortex Generator, Turbulent, Multi–phase, LES.	35, 3, 529-538	10.18280/ijht.350309	Jawarneh A.M., Al-Widyan M., Al-Migdady A., Tlilan H., Tarawneh M., Ababneh A. (2017). Double vortex generators for increasing the separation efficiency of the air separator, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 529-538. DOI: 10.18280/ijht.350309
195	Aun T.S., Abdullah M.Z., Gunnasegaran P.	Influence of low concentration of diamond water nanofluid in loop heat pipe	Heat Transfer Coefficient, Loop Heat Pipe, Nanofluid, Total Thermal Resistance.	35, 3, 539-548	10.18280/ijht.350310	Aun T.S., Abdullah M.Z., Gunnasegaran P. (2017). Influence of low concentration of diamond water nanofluid in loop heat pipe, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 539-548. DOI: 10.18280/ijht.350310
196	Piancastelli L., Burnelli A., Cassani S.	Validation of a simplified method for the evaluation of pressure and temperature on a RR Merlin XX head	Optimization, Simulation, CAD, Geometry, FEA, Thermal Analysis, Piston Engine.	35, 3, 549-558	10.18280/ijht.350311	Piancastelli L., Burnelli A., Cassani S. (2017). Validation of a simplified method for the evaluation of pressure and temperature on a RR Merlin XX head, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 549-558. DOI: 10.18280/ijht.350311
197	Fei J.B., Wen H.	Experimental research on temperature variation and crack development in coalfield fire	Coal Seam, Overlying Strata, Temperature Variation, Thermal Destruction, Crack Development.	35, 3, 559-566	10.18280/ijht.350312	Fei J.B., Wen H. (2017). Experimental research on temperature variation and crack development in coalfield fire, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 559-566. DOI: 10.18280/ijht.350312
198	Messaoud H., Bachir M., Djamel S.	Numerical study of mixed convection and flow pattern in various across-shape concave enclosures	Mixed Convection, Driven Cavity, Shaped Enclosure, Finite Volume Method.	35, 3, 567-575	10.18280/ijht.350313	Messaoud H., Bachir M., Djamel S. (2017). Numerical study of mixed convection and flow pattern in various across-shape concave enclosures, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 567-575. DOI: 10.18280/ijht.350313
199	Amara I., Mazioud A., Boulaoued I., Mhimid A.	Experimental study on thermal properties of bio-composite (gypsum plaster reinforced with palm tree fibers) for building insulation	Palm-tree-fiber, Thermal Conductivity, Thermal Diffusivity, DICO Method, Modeling and Measurement.	35, 3, 576-584	10.18280/ijht.350314	Amara I., Mazioud A., Boulaoued I., Mhimid A. (2017). Experimental study on thermal properties of bio-composite (gypsum plaster reinforced with palm tree fibers) for building insulation, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 576-584. DOI: 10.18280/ijht.350314
200	Li J., Zhang W.M.	Experimental research on hydraulic characteristic of centrifugal pump in plateau	Experimental Research, Plateau, Centrifugal Pump, Hydraulic Characteristics, Pressure, Flow, Efficiency.	35, 3, 585-593	10.18280/ijht.350315	Li J., Zhang W.M. (2017). Experimental research on hydraulic characteristic of centrifugal pump in plateau, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 585-593. DOI: 10.18280/ijht.350315
201	Mansouri Z., Boushaki T., Aouissi M.	Detached eddy simulation of non-reacting swirling flow in a vortex burner	Detached Eddy Simulation, Precessing Vortex Core, Swirl, Vortex Burner.	35, 3, 594-602	10.18280/ijht.350316	Mansouri Z., Boushaki T., Aouissi M. (2017). Detached eddy simulation of non-reacting swirling flow in a vortex burner, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 594-602. DOI: 10.18280/ijht.350316
202	Vinod P.D., Singh S.N.	Thermo-hydraulic performance analysis of jet plate solar air heater under cross flow condition	Jet Plate, Collector Efficiency, Absorber Plate, Convective Heat Transfer Coefficient, Nusselt Number, Friction Factor.	35, 3, 603-610	10.18280/ijht.350317	Vinod P.D., Singh S.N. (2017). Thermo-hydraulic performance analysis of jet plate solar air heater under cross flow condition, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 603-610. DOI: 10.18280/ijht.350317

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204	Maouassi A., Baghidja A., Daoud S., Zeraibi N.	Numerical study of nanofluid heat transfer SiO2 through a solar flat plate collector	Solar Energy, CFD, Nanofluid, Heat Transfer, Sio2 Nanoparticles, Solar Flat Plate Collector.	35, 3, 619-625	10.18280/ijht.350319	Maouassi A., Baghidja A., Daoud S., Zeraibi N. (2017). Numerical study of nanofluid heat transfer SiO2 through a solar flat plate collector, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 619-625. DOI: 10.18280/ijht.350319
205	Gao X.Q., Zhu Y.H., Wang J.J., Jin Y.H.	Effects of elbow structure of natural gas pipeline on condensation of water vapor	Elbow, Condensate, Two-phase Flow, UDF.	35, 3, 626-632	10.18280/ijht.350320	Gao X.Q., Zhu Y.H., Wang J.J., Jin Y.H. (2017). Effects of elbow structure of natural gas pipeline on condensation of water vapor, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 626-632. DOI: 10.18280/ijht.350320
206	Hassan A.R., Adesanya S.O., Lebelo R.S., Falade J.A.	Irreversibility analysis for a mixed convective flow of a reactive couple stress fluid flow through channel saturated porous materials	Reactive Fluid, Couple Stress Fluid, Porous Medium, Buoyancy Effect and Adomian Decomposition Method (ADM).	35, 3, 633-638	10.18280/ijht.350321	Hassan A.R., Adesanya S.O., Lebelo R.S., Falade J.A. (2017). Irreversibility analysis for a mixed convective flow of a reactive couple stress fluid flow through channel saturated porous materials, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 633-638. DOI: 10.18280/ijht.350321
207	Carla B., Giuseppe P.	Numerical multiphysics modelling for the assessment of thermo-physical and energy performance of an advanced semi-opaque active façade	Advanced Active Facade, CFD, Multiphysics, Energy Design, Sustainability.	35, 3, 639-644	10.18280/ijht.350322	Carla B., Giuseppe P. (2017). Numerical multiphysics modelling for the assessment of thermo-physical and energy performance of an advanced semi-opaque active façade, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 639-644. DOI: 10.18280/ijht.350322
208	Arunachalam U.P., Edwin M.	Theoretical investigation of a ceramic monolith heat exchanger using silicon carbide and aluminium nitride as heat exchanger material	Ceramic Recuperator, Cross Flow Heat Exchanger, Effectiveness, Heat Transfer, Pressure Drop.	35, 3, 645-650	10.18280/ijht.350323	Arunachalam U.P., Edwin M. (2017). Theoretical investigation of a ceramic monolith heat exchanger using silicon carbide and aluminium nitride as heat exchanger material, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 645-650. DOI: 10.18280/ijht.350323
209	Sadeghiazad M.B.M.	Experimental and numerical study on the effect of the convergence angle, injection pressure and injection number on thermal performance of straight vortex tube	Experimental Study, Numerical Analysis, Vortex Tube, Convergent Nozzle, Cryogenic Capacity, Optimization.	35, 3, 651-656	10.18280/ijht.350324	Sadeghiazad M.B.M. (2017). Experimental and numerical study on the effect of the convergence angle, injection pressure and injection number on thermal performance of straight vortex tube, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 651-656. DOI: 10.18280/ijht.350324
210	Djedai H., Mdouki R., Mansouri Z., Aouissi M.	Numerical investigation of three-dimensional separation control in an axial compressor cascade	Axial Compressor, Boundary Layer Blowing, Flow Control, Flow Topology, Separation.	35, 3, 657-662	10.18280/ijht.350325	Djedai H., Mdouki R., Mansouri Z., Aouissi M. (2017). Numerical investigation of three-dimensional separation control in an axial compressor cascade, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 657-662. DOI: 10.18280/ijht.350325
211	Zheng J.H., Zhang W.M., Jiang J.Z., Guo R.	CFD simulation and experimental study of water-oil displacement flow in an inclined pipe	Immiscible Displacement, Residual Layer, Interface Instability, Numerical Simulation.	35, 3, 663-667	10.18280/ijht.350326	Zheng J.H., Zhang W.M., Jiang J.Z., Guo R. (2017). CFD simulation and experimental study of water-oil displacement flow in an inclined pipe, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 663-667. DOI: 10.18280/ijht.350326
212	Sadeghiazad M.B.M.	Experimental study on thermal performance of double circuit vortex tube (DCVT) - Effect of heat transfer controller angle	Double Circuit Vortex Tube, Heat Transfer Controller Angle, Energy Separation, Main Length.	35, 3, 668-672	10.18280/ijht.350327	Sadeghiazad M.B.M. (2017). Experimental study on thermal performance of double circuit vortex tube (DCVT) - Effect of heat transfer controller angle, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 668-672. DOI: 10.18280/ijht.350327
213	Mohamed S., Mokhtar A., Chatti T.B.	Numerical simulation of the compressible flow in convergent-divergent nozzle	Converging-diverging Nozzle, Turbulence, Shock Wave, Supersonic, Compressible Flow, Finite Volume.	35, 3, 673-677	10.18280/ijht.350328	Mohamed S., Mokhtar A., Chatti T.B. (2017). Numerical simulation of the compressible flow in convergent-divergent nozzle, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 673-677. DOI: 10.18280/ijht.350328
214	Bilonoga Y., Maksysko O.	Modeling the interaction of coolant flows at the liquid-solid boundary with allowance for the laminar boundary layer	Average Thickness of the Laminar Boundary Layers, Surface Number, Turbulence Coefficient, Surfactants, Coefficient of Surface Tension.	35, 3, 678-682	10.18280/ijht.350329	Bilonoga Y., Maksysko O. (2017). Modeling the interaction of coolant flows at the liquid-solid boundary with allowance for the laminar boundary layer, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 678-682. DOI: 10.18280/ijht.350329
215	Li Z., Li J., Yang W., Liang J.B.	The simplified calculation model of pneumatic garbage transportation at acceleration period in horizontal straight pipe	Pneumatic Garbage Collection, Horizontal Straight Pipe, Simplified Model, Equivalent Drag Coefficient, Equivalent Particle Number Ratio.	35, 3, 683-687	10.18280/ijht.350330	Li Z., Li J., Yang W., Liang J.B. (2017). The simplified calculation model of pneumatic garbage transportation at acceleration period in horizontal straight pipe, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 683-687. DOI: 10.18280/ijht.350330
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218	Scafetta N., Mirandola A., Bianchini A.	Natural climate variability, part 2: Interpretation of the post 2000 temperature standstill	Climate Change, Post 2000 Temperature Standstill, Climate Models, Natural Climatic Oscillations.	35, Sp. 1, S18-S26	10.18280/ijht.35Sp0103	Scafetta N., Mirandola A., Bianchini A. (2017). Natural climate variability, part 2: Interpretation of the post 2000 temperature standstill, *International Journal of Heat and Technology* , Vol. 35, Special Issue 1, pp. S18-S26. DOI: 10.18280/ijht.35Sp0103
219	Lodi C., Malaguti V., Contini F.M., Sala L., Muscio A., Tartarini P.	University energy planning for reducing energy consumption and GHG emissions: the case study of a university campus in Italy	Energy Planning, Benchmark, Energy Audit, Normalization, Degree-days.	35, Sp. 1, S27-S32	10.18280/ijht.35Sp0104	Lodi C., Malaguti V., Contini F.M., Sala L., Muscio A., Tartarini P. (2017). University energy planning for reducing energy consumption and GHG emissions: the case study of a university campus in Italy, *International Journal of Heat and Technology* , Vol. 35, Special Issue 1, pp. S27-S32. DOI: 10.18280/ijht.35Sp0104
220	Silenzi F., Priarone A., Fossa M.	Energy demand modeling and forecast of Monoblocco Building at the city hospital of Genova according to different retrofit scenarios	Energy Saving, Buildings, Retrofitting, Energy Plus, Dynamic Simulations.	35, Sp. 1, S33-S40	10.18280/ijht.35Sp0105	Silenzi F., Priarone A., Fossa M. (2017). Energy demand modeling and forecast of Monoblocco Building at the city hospital of Genova according to different retrofit scenarios, *International Journal of Heat and Technology* , Vol. 35, Special Issue 1, pp. S33-S40. DOI: 10.18280/ijht.35Sp0105
221	Gagliano A., Nocera F.	Analysis of the performances of electric energy storage in residential applications	Electric Energy Storage, PV Plant, Renewable Energy, Energy Costs.	35, Sp. 1, S41-S48	10.18280/ijht.35Sp0106	Gagliano A., Nocera F. (2017). Analysis of the performances of electric energy storage in residential applications, *International Journal of Heat and Technology* , Vol. 35, Special Issue 1, pp. S41-S48. DOI: 10.18280/ijht.35Sp0106
222	Dirutigliano D., Delmastro C., Moghadam S.T.	Energy efficient urban districts: A multi-criteria application for selecting retrofit actions	Multi Criteria Analysis, Urban District, Energy Savings Scenarios, Building Stock, GIS.	35, Sp. 1, S49-S57	10.18280/ijht.35Sp0107	Dirutigliano D., Delmastro C., Moghadam S.T. (2017). Energy efficient urban districts: A multi-criteria application for selecting retrofit actions, *International Journal of Heat and Technology* , Vol. 35, Special Issue 1, pp. S49-S57. DOI: 10.18280/ijht.35Sp0107
223	Arteconi A., Polonra F.	Demand side management in refrigeration applications	Refrigeration, DSM, DR, Flexibility.	35, Sp. 1, S58-S63	10.18280/ijht.35Sp0108	Arteconi A., Polonra F. (2017). Demand side management in refrigeration applications, *International Journal of Heat and Technology* , Vol. 35, Special Issue 1, pp. S58-S63. DOI: 10.18280/ijht.35Sp0108
224	Bergero S., Cavalletti P., Michelini M.	Analysis of thermal control and heat accounting economic convenience in typical Italian housing unit and climatic zones	Thermal Control, Heat Accounting, Cost-benefit Analysis, Directive 2012/27/UE.	35, Sp. 1, S64-S70	10.18280/ijht.35Sp0109	Bergero S., Cavalletti P., Michelini M. (2017). Analysis of thermal control and heat accounting economic convenience in typical Italian housing unit and climatic zones, *International Journal of Heat and Technology* , Vol. 35, Special Issue 1, pp. S64-S70. DOI: 10.18280/ijht.35Sp0109
225	Cucumo M.A., Ferraro V., Kaliakatsos D., Mele M., Cucumo D.	Predictive methods to estimate the producibility of PV/T solar collectors	Electrical Analogy, Solar Collectors, PV/T Collectors.	35, Sp. 1, S71-S77	10.18280/ijht.35Sp0110	Cucumo M.A., Ferraro V., Kaliakatsos D., Mele M., Cucumo D. (2017). Predictive methods to estimate the producibility of PV/T solar collectors, *International Journal of Heat and Technology* , Vol. 35, Special Issue 1, pp. S71-S77. DOI: 10.18280/ijht.35Sp0110
226	Cucumo M.A., Ferraro V., Kaliakatsos D., Mele M., Nicoletti F.	Law of motion of reflectors for a linear Fresnel plant	Concentrating Solar Power, Linear Fresnel, Law of Motion, Primary Reflectors.	35, Sp. 1, S78-S86	10.18280/ijht.35Sp0111	Cucumo M.A., Ferraro V., Kaliakatsos D., Mele M., Nicoletti F. (2017). Law of motion of reflectors for a linear Fresnel plant, *International Journal of Heat and Technology* , Vol. 35, Special Issue 1, pp. S78-S86. DOI: 10.18280/ijht.35Sp0111
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228	Puglia M., Pedrazzi S., Allesina G., Morselli N., Tartarini P.	Vine prunings biomass as fuel in wood stoves for thermal power production	Efficiency, Power, Prunings, Stove, Vine.	35, Sp. 1, S96-S101	10.18280/ijht.35Sp0113	Puglia M., Pedrazzi S., Allesina G., Morselli N., Tartarini P. (2017). Vine prunings biomass as fuel in wood stoves for thermal power production, *International Journal of Heat and Technology* , Vol. 35, Special Issue 1, pp. S96-S101. DOI: 10.18280/ijht.35Sp0113
229	Barbato M., Cirillo L., Menditto L., Moretti R., Nardini S.	Geothermal energy application in Campi Flegrei Area: The case study of a swimming pool building	Geothermal Energy, Renewable Energy, Life Cycle Energy Analysis, Swimming Pool, Heat Pump.	35, Sp. 1, S102-S107	10.18280/ijht.35Sp0114	Barbato M., Cirillo L., Menditto L., Moretti R., Nardini S. (2017). Geothermal energy application in Campi Flegrei Area: The case study of a swimming pool building, *International Journal of Heat and Technology* , Vol. 35, Special Issue 1, pp. S102-S107. DOI: 10.18280/ijht.35Sp0114

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234	Scafetta N., Fortelli A., Mazzarella A.	Meteo-climatic characterization of Naples and its heating-cooling degree day areal distribution	Urban Heat Island, Heating and Cooling Degree Days, City Energy Consumption, Zonation.	35, Sp. 1, S137-S144	10.18280/ijht.35Sp0119	Scafetta N., Fortelli A., Mazzarella A. (2017). Meteo-climatic characterization of Naples and its heating-cooling degree day areal distribution, *International Journal of Heat and Technology* , Vol. 35, Special Issue 1, pp. S137-S144. DOI: 10.18280/ijht.35Sp0119
235	Quinlan B., Kaufmann B., Allesina G., Pedrazzi S., Hasty J., Puglia M., Morselli N., Tartarini P.	The use of on-line colorimetry for tar content evaluation in gasification systems	Biomass, Gasification, Syngas, Tars, Light Absorbance.	35, Sp. 1, S145-S151	10.18280/ijht.35Sp0120	Quinlan B., Kaufmann B., Allesina G., Pedrazzi S., Hasty J., Puglia M., Morselli N., Tartarini P. (2017). The use of on-line colorimetry for tar content evaluation in gasification systems, *International Journal of Heat and Technology* , Vol. 35, Special Issue 1, pp. S145-S151. DOI: 10.18280/ijht.35Sp0120
236	Caldera M., Puglisi G., Zanghirella F., Margiotta F., Ungaro P., Talucci V., Cammarata G.	Proposal of a survey-based methodology for the determination of the energy consumption in the residential sector	Energy Consumption, Households, Numerical Model, Residential Sector, Survey.	35, Sp. 1, S152-S158	10.18280/ijht.35Sp0121	Caldera M., Puglisi G., Zanghirella F., Margiotta F., Ungaro P., Talucci V., Cammarata G. (2017). Proposal of a survey-based methodology for the determination of the energy consumption in the residential sector, *International Journal of Heat and Technology* , Vol. 35, Special Issue 1, pp. S152-S158. DOI: 10.18280/ijht.35Sp0121
237	Nocera F., Gagliano A., Evola G., Marletta L., Faraci A.	The Kyoto Rotation Fund as a policy tool for climate change mitigation: The case study of an Italian school	Kyoto Fund, School, Energy Efficiency, School Retrofitting, Energy Saving.	35, Sp. 1, S159-S165	10.18280/ijht.35Sp0122	Nocera F., Gagliano A., Evola G., Marletta L., Faraci A. (2017). The Kyoto Rotation Fund as a policy tool for climate change mitigation: The case study of an Italian school, *International Journal of Heat and Technology* , Vol. 35, Special Issue 1, pp. S159-S165. DOI: 10.18280/ijht.35Sp0122
238	Rovense F., Perez M.S., Amelio M., Ferraro V., Scornaienchi N.M.	Feasibility analysis of a solar field for a closed unfired Joule-Brayton cycle	Concentrated Solar Power, Solar Gas Turbine, Heliostat Solar Field, Closed Joule-Brayton Cycle.	35, Sp. 1, S166-S171	10.18280/ijht.35Sp0123	Rovense F., Perez M.S., Amelio M., Ferraro V., Scornaienchi N.M. (2017). Feasibility analysis of a solar field for a closed unfired Joule-Brayton cycle, *International Journal of Heat and Technology* , Vol. 35, Special Issue 1, pp. S166-S171. DOI: 10.18280/ijht.35Sp0123
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247	Negro E., Cardinale N., Rospi G.	Design of small cogeneration system for public buildings in the town of Matera	Cogeneration Plant, Energy Audit, Energy Performance, Technical and Economic Feasibility, White Certificates.	35, Sp. 1, S228-S235	10.18280/ijht.35Sp0132	Negro E., Cardinale N., Rospi G. (2017). Design of small cogeneration system for public buildings in the town of Matera, *International Journal of Heat and Technology* , Vol. 35, Special Issue 1, pp. S228-S235. DOI: 10.18280/ijht.35Sp0132
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275	Cannistraro G., Cannistraro M., Galvagno A., Trovato G.	Analysis and measures for energy savings in operating theaters	Air-conditioning Systems, Energy Saving, Thermal Comfort, Air Quality, Hospitals.	35, Sp. 1, S442-S448	10.18280/ijht.35Sp0160	Cannistraro G., Cannistraro M., Galvagno A., Trovato G. (2017). Analysis and measures for energy savings in operating theaters, *International Journal of Heat and Technology* , Vol. 35, Special Issue 1, pp. S442-S448. DOI: 10.18280/ijht.35Sp0160
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284	Abdelhafidi A., Chabira S.F., Yagoubi W., Mistretta M.C., Lamantia F.P., Sebaa M., Benchatti A.	Sun radiation and temperature impact at different periods of the year on the photooxidation of polyethylene films	Low Density Polyethylene, Photooxidation, FTIR, Sun Radiation, DSC, Crystallinity Index.	35, 2, 255-261	10.18280/ijht.350204	Abdelhafidi A., Chabira S.F., Yagoubi W., Mistretta M.C., Lamantia F.P., Sebaa M., Benchatti A. (2017). Sun radiation and temperature impact at different periods of the year on the photooxidation of polyethylene films, *International Journal of Heat and Technology* , Vol. 35, No. 2, pp. 255-261. DOI: 10.18280/ijht.350204
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286	Guo B.	Optimal surface texture design of journal bearing with axial grooves	Surface Texture, Journal Bearing, JFO Boundary Condition, Load-carrying Capacity.	35, 2, 267-272	10.18280/ijht.350206	Guo B. (2017). Optimal surface texture design of journal bearing with axial grooves, *International Journal of Heat and Technology* , Vol. 35, No. 2, pp. 267-272. DOI: 10.18280/ijht.350206
287	Ambethkar V., Kushawaha D.	Numerical simulations of fluid flow and heat transfer in a four-sided lid-driven rectangular domain	Heat Transfer, Isotherms, Nusselt Number, Velocity, Streamlines.	35, 2, 273-278	10.18280/ijht.350207	Ambethkar V., Kushawaha D. (2017). Numerical simulations of fluid flow and heat transfer in a four-sided lid-driven rectangular domain, *International Journal of Heat and Technology* , Vol. 35, No. 2, pp. 273-278. DOI: 10.18280/ijht.350207
288	Belloufi Y., Brima A., Zerouali S., Atmani R., Aissaoui F., Rouag A., Moummi N.	Numerical and experimental investigation on the transient behavior of an earth air heat exchanger in continuous operation mode	Earth Air Heat Exchanger, Cooling Mode, Continuous Operation Mode, Thermal Comfort.	35, 2, 279-288	10.18280/ijht.350208	Belloufi Y., Brima A., Zerouali S., Atmani R., Aissaoui F., Rouag A., Moummi N. (2017). Numerical and experimental investigation on the transient behavior of an earth air heat exchanger in continuous operation mode, *International Journal of Heat and Technology* , Vol. 35, No. 2, pp. 279-288. DOI: 10.18280/ijht.350208
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291	Fu T.T., Liu J., Liao R.G.	Water holdup in no-slip oil-water two-phase stratified flow	Oil-water Two-phase Flow, No-slip Water Holdup, Inlet Water Fraction, Stratified Flow Model, Three-Phase Segregated Flow Model.	35, 2, 306-312	10.18280/ijht.350211	Fu T.T., Liu J., Liao R.G. (2017). Water holdup in no-slip oil-water two-phase stratified flow, *International Journal of Heat and Technology* , Vol. 35, No. 2, pp. 306-312. DOI: 10.18280/ijht.350211
292	Hamila R., Chaabane R., Askri F., Jemni A., Nasrallah S.B.	Lattice Boltzmann method for heat transfer problems with variable thermal conductivity	LBM, RTE, Variable Thermal Conductivity, Conduction, Natural Convection.	35, 2, 313-324	10.18280/ijht.350212	Hamila R., Chaabane R., Askri F., Jemni A., Nasrallah S.B. (2017). Lattice Boltzmann method for heat transfer problems with variable thermal conductivity, *International Journal of Heat and Technology* , Vol. 35, No. 2, pp. 313-324. DOI: 10.18280/ijht.350212
293	Scarpa F., Marchitto A., Tagliafico L.A.	Splitting the solar radiation in direct and diffuse components; insights and constrains on the clearness-diffuse fraction representation	Diffuse Fraction, Radiation Decomposition, Clearness.	35, 2, 325-329	10.18280/ijht.350213	Scarpa F., Marchitto A., Tagliafico L.A. (2017). Splitting the solar radiation in direct and diffuse components; insights and constrains on the clearness-diffuse fraction representation, *International Journal of Heat and Technology* , Vol. 35, No. 2, pp. 325-329. DOI: 10.18280/ijht.350213
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296	Belhocine A., Omar W.Z.W.	Exact Graetz problem solution by using hypergeometric function	Graetz Problem, Sturm-Liouville Problem, Hypergeometric Function, Heat Transfer.	35, 2, 347-353	10.18280/ijht.350216	Belhocine A., Omar W.Z.W. (2017). Exact Graetz problem solution by using hypergeometric function, *International Journal of Heat and Technology* , Vol. 35, No. 2, pp. 347-353. DOI: 10.18280/ijht.350216
297	Shen Z.L., Zhang Y.Q.	Experimental study on flow-induced vibration and energy transformation of regular triangular prisms of different characteristic widths	Regular Triangular Prism, Flow-induced Vibration, Characteristic Width, Energy Transformation.	35, 2, 354-359	10.18280/ijht.350217	Shen Z.L., Zhang Y.Q. (2017). Experimental study on flow-induced vibration and energy transformation of regular triangular prisms of different characteristic widths, *International Journal of Heat and Technology* , Vol. 35, No. 2, pp. 354-359. DOI: 10.18280/ijht.350217
298	Bhattacharyya S., Das S., Sarkar A., Guin A., Mullick A.	Numerical simulation of flow and heat transfer around hexagonal cylinder	Cylinder, Hexagonal, Forced Convection, Turbulent Flow, SST Model, Heat Transfer.	35, 2, 360-363	10.18280/ijht.350218	Bhattacharyya S., Das S., Sarkar A., Guin A., Mullick A. (2017). Numerical simulation of flow and heat transfer around hexagonal cylinder, *International Journal of Heat and Technology* , Vol. 35, No. 2, pp. 360-363. DOI: 10.18280/ijht.350218
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302	Guo L., Bai D., Wen Z., Wang X.D.	Evaluation of numerical simulation accuracy for two-ways mixed flow drip irrigation emitter based on CFD	Drip Irrigation Emitter, Numerical Simulation, Calculation Accuracy, Index, Weight Coefficient.	35, 2, 384-392	10.18280/ijht.350222	Guo L., Bai D., Wen Z., Wang X.D. (2017). Evaluation of numerical simulation accuracy for two-ways mixed flow drip irrigation emitter based on CFD, *International Journal of Heat and Technology* , Vol. 35, No. 2, pp. 384-392. DOI: 10.18280/ijht.350222
303	Arunachalam U.P., Edwin M.	Experimental investigations on thermal performance of solar air heater with different absorber plates	Solar Air Heater, Glass Plate, Galvanized Iron (GI) Sheet, Thermal Efficiency, Heat Transfer.	35, 2, 393-397	10.18280/ijht.350223	Arunachalam U.P., Edwin M. (2017). Experimental investigations on thermal performance of solar air heater with different absorber plates, *International Journal of Heat and Technology* , Vol. 35, No. 2, pp. 393-397. DOI: 10.18280/ijht.350223
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305	Ahrara A.J., Djavareshkianb M.H., Ataiyanc M.	Numerical simulation of Cu-water nanofluid magneto-hydro-dynamics and heat transfer in a cavity containing a circular cylinder of different size and positions	Circular Obstacle, Nanoparticles' Volume Fraction, Magnetic Field Intensity, Direction.	35, 2, 403-415	10.18280/ijht.350225	Ahrara A.J., Djavareshkianb M.H., Ataiyanc M. (2017). Numerical simulation of Cu-water nanofluid magneto-hydro-dynamics and heat transfer in a cavity containing a circular cylinder of different size and positions, *International Journal of Heat and Technology* , Vol. 35, No. 2, pp. 403-415. DOI: 10.18280/ijht.350225
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311	Zhao X., Qiu Z.S., Xu J.G., Zhao C., Gao J.	Flat-rheology oil-based drilling fluid for deepwater drilling	Flat-rheology, Oil-based Drilling Fluid, Deepwater Drilling, Low Temperature, Equivalent Circulating Density.	35, 1, 19-24	10.18280/ijht.350103	Zhao X., Qiu Z.S., Xu J.G., Zhao C., Gao J. (2017). Flat-rheology oil-based drilling fluid for deepwater drilling, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 19-24. DOI: 10.18280/ijht.350103
312	Rajput G.R., Patil V.S., Krishna P.J.S.V.R.	Hydromagnetic bioconvection flow in the region of stagnation-point flow and heat transfer in non-Newtonian nanofluid past a moving surface with suction: similarity analysis	Nanofluid, Stagnation Point, Thermophoresis, Brownian Motion, Stretching Sheet, Gyrotactic Microorganism.	35, 1, 25-31	10.18280/ijht.350104	Rajput G.R., Patil V.S., Krishna P.J.S.V.R. (2017). Hydromagnetic bioconvection flow in the region of stagnation-point flow and heat transfer in non-Newtonian nanofluid past a moving surface with suction: similarity analysis, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 25-31. DOI: 10.18280/ijht.350104
313	Wen Z.H., Liu Y., Liu X.T., Liang B.	Experimental research into the effects of abrasive characteristics on abrasive gas jet coal-breaking performance	Abrasive Gas Jet (AGJ), Jet Coal Breaking, Abrasive Characteristics, Target Distance, Abrasive Mesh Number.	35, 1, 32-36	10.18280/ijht.350105	Wen Z.H., Liu Y., Liu X.T., Liang B. (2017). Experimental research into the effects of abrasive characteristics on abrasive gas jet coal-breaking performance, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 32-36. DOI: 10.18280/ijht.350105
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315	Wang Y., Huang D.K.	Effect of heat treatment temperature on the structure and tribological properties of nanometer lanthanum borate	Nanometer Lanthanum Borate, Heat Treatment, High Temperature Phase Change, Friction and Wear, Anti-friction and Anti-wear Mechanism.	35, 1, 53-58	10.18280/ijht.350107	Wang Y., Huang D.K. (2017). Effect of heat treatment temperature on the structure and tribological properties of nanometer lanthanum borate, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 53-58. DOI: 10.18280/ijht.350107
316	Zeiny E., Farhadi M., Sedighi K.	Numerical investigation of the simultaneous influence of swirling flow and obstacles on plate in impinging jet	Heat Transfer, Impinging Jet, Turbulent Flow, Swirling Flow.	35, 1, 59-66	10.18280/ijht.350108	Zeiny E., Farhadi M., Sedighi K. (2017). Numerical investigation of the simultaneous influence of swirling flow and obstacles on plate in impinging jet, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 59-66. DOI: 10.18280/ijht.350108
317	Wu J.S., Fu M., Tong X., Qin Y.P.	Heat stress evaluation at the working face in hot coal mines using an improved thermophysiological model	Coal Miner, Heat Strain, Underground Coal Mines, Thermal Physiology.	35, 1, 67-74	10.18280/ijht.350109	Wu J.S., Fu M., Tong X., Qin Y.P. (2017). Heat stress evaluation at the working face in hot coal mines using an improved thermophysiological model, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 67-74. DOI: 10.18280/ijht.350109
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321	Mahadeven G., Sendilvelan S.	Temperature analysis of dynamic catalytic convertor system with pre-catalyst in a multi cylinder spark ignition engine to reduce light-off time	Dynamic Catalytic Converter, Cold Start Emission, Spark Ignition Engine, Light off Temperature.	35, 1, 97-102	10.18280/ijht.350113	Mahadeven G., Sendilvelan S. (2017). Temperature analysis of dynamic catalytic convertor system with pre-catalyst in a multi cylinder spark ignition engine to reduce light-off time, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 97-102. DOI: 10.18280/ijht.350113
322	Lei Y., Liao R.Q., Li M.X., Li Y., Luo W.	Modified Mukherjee-Brill prediction model of pressure gradient for multiphase flow in wells	Multiphase Flow, Pressure Gradient, Prediction, Mukherjee-Brill Model, Regression Analysis.	35, 1, 103-108	10.18280/ijht.350114	Lei Y., Liao R.Q., Li M.X., Li Y., Luo W. (2017). Modified Mukherjee-Brill prediction model of pressure gradient for multiphase flow in wells, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 103-108. DOI: 10.18280/ijht.350114
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325	Li X., Tang C., Wang Q., Li X.P., Hao J.	Molecular simulation research on the micro effect mechanism of interfacial properties of nano SiO_2/meta-aramid fiber	Micro and Nanoscale, Interaction, Hydrogen Bonds, Thermal Stability.	35, 1, 123-129	10.18280/ijht.350117	Li X., Tang C., Wang Q., Li X.P., Hao J. (2017). Molecular simulation research on the micro effect mechanism of interfacial properties of nano SiO_2/meta-aramid fiber, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 123-129. DOI: 10.18280/ijht.350117
326	Cascetta F., Cirillo L., Corte A.D., Nardini S.	Comparison between different solar cooling thermally driven system solutions for an office building in Mediterranean Area	Economic Analysis, Simulation, Solar Collector, Solar Heating and Cooling, Sorption Cooling.	35, 1, 130-138	10.18280/ijht.350118	Cascetta F., Cirillo L., Corte A.D., Nardini S. (2017). Comparison between different solar cooling thermally driven system solutions for an office building in Mediterranean Area, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 130-138. DOI: 10.18280/ijht.350118
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329	Shukla A.K., Anupam D.	Flow and thermal characteristics of jet impingement: comprehensive review	Jet Impingement, Ribs, Turbulence, Nusselt Number, LES.	35, 1, 153-166	10.18280/ijht.350121	Shukla A.K., Anupam D. (2017). Flow and thermal characteristics of jet impingement: comprehensive review, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 153-166. DOI: 10.18280/ijht.350121
330	Jiang X., Zhang L.	Research on the effect of rotation and curvature on turbulence model and their application	Rotation and Curvature Effect, Near-wall Area, Turbulence Model, Centrifugal Pump.	35, 1, 167-176	10.18280/ijht.350122	Jiang X., Zhang L. (2017). Research on the effect of rotation and curvature on turbulence model and their application, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 167-176. DOI: 10.18280/ijht.350122
331	Huang J., Yuan J.T., Wang Z.H.	Influence of thermal-mechanical coupling effect on vibration of double-drive feed system	Thermal Field, Thermal-mechanical Coupling, Double-drive Feed System, Vibration.	35, 1, 177-182	10.18280/ijht.350123	Huang J., Yuan J.T., Wang Z.H. (2017). Influence of thermal-mechanical coupling effect on vibration of double-drive feed system, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 177-182. DOI: 10.18280/ijht.350123
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333	Li G.N., Sun S.K., Liu H.T., Zheng T.G., Zhang C.	Water profiles in vertical slot fishways without central baffle	Water Depth, Vertical Slot Fishways, Experimental Models, Central Baffle.	35, 1, 191-195	10.18280/ijht.350125	Li G.N., Sun S.K., Liu H.T., Zheng T.G., Zhang C. (2017). Water profiles in vertical slot fishways without central baffle, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 191-195. DOI: 10.18280/ijht.350125
334	Mabood F., Ibrahim S.M., Lorenzini G., Lorenzini E.	Radiation effects on Williamson nanofluid flow over a heated surface with magnetohydrodynamics	Nanofluid, MHD, Radiation, Heat Source, Non-linearly Moving Surface.	35, 1, 196-204	10.18280/ijht.350126	Mabood F., Ibrahim S.M., Lorenzini G., Lorenzini E. (2017). Radiation effects on Williamson nanofluid flow over a heated surface with magnetohydrodynamics, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 196-204. DOI: 10.18280/ijht.350126
335	Asif M., Aftab H., Syed H.A., Ali M.A., Muizz P.M.	Simulation of corrugated plate heat exchanger for heat and flow analysis	Corrugated Plate Heat Exchanger, CFD Analysis, Heat and Flow Analysis, Nusselt Number Correlation, Modified Wilson Plot.	35, 1, 205-210	10.18280/ijht.350127	Asif M., Aftab H., Syed H.A., Ali M.A., Muizz P.M. (2017). Simulation of corrugated plate heat exchanger for heat and flow analysis, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 205-210. DOI: 10.18280/ijht.350127
336	Caruso G., Nobili M.	Preliminary evaluation of the expansion system size for a pressurized gas loop: application to a fusion reactor based on a helium-cooled blanket	Pressure Suppression System, Fusion Reactor, Helium, Safety Analysis, Expansion Volume.	35, 1, 211-218	10.18280/ijht.350128	Caruso G., Nobili M. (2017). Preliminary evaluation of the expansion system size for a pressurized gas loop: application to a fusion reactor based on a helium-cooled blanket, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 211-218. DOI: 10.18280/ijht.350128
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338	Aprea C., Greco A., Maiorino A., Masselli C.	A comparison between electrocaloric and magnetocaloric materials for solid state refrigeration	Electrocaloric Refrigeration, AER, Magnetic Refrigeration, AMR, FOT Materials, SOT Materials.	35, 1, 225-234	10.18280/ijht.350130	Aprea C., Greco A., Maiorino A., Masselli C. (2017). A comparison between electrocaloric and magnetocaloric materials for solid state refrigeration, *International Journal of Heat and Technology* , Vol. 35, No. 1, pp. 225-234. DOI: 10.18280/ijht.350130
339	Cannistraro M., Lorenzini E.	The applications of the new technologies “e-sensing” in hospitals	E-Sensing, Electronic Nose, Support Vector Machine, Safety Monitoring.	34, 4, 551-557	10.18280/ijht.340401	Cannistraro M., Lorenzini E. (2016). The applications of the new technologies “e-sensing” in hospitals, *International Journal of Heat and Technology* , Vol. 34, No. 4, pp. 551-557. DOI: 10.18280/ijht.340401
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346	Zhuang C.L., Fu B.H., Huang G.Q., Zhang H.Y.	Optimization of the structure of a solar air heater fitted with V-shaped perforated baffles	V-Shaped Perforated Baffles, Solar Air Heater, Flow Resistance Coefficient, Thermal Efficiency, Effective Efficiency.	34, 4, 604-610	10.18280/ijht.340408	Zhuang C.L., Fu B.H., Huang G.Q., Zhang H.Y. (2016). Optimization of the structure of a solar air heater fitted with V-shaped perforated baffles, *International Journal of Heat and Technology* , Vol. 34, No. 4, pp. 604-610. DOI: 10.18280/ijht.340408
347	Fichera A., Frasca M., Volpe R.	On energy distribution in cities: a model based on complex networks	Urban Areas, Decentralized Energy Systems, Complex Networks, Energy, Urban Planning.	34, 4, 611-615	10.18280/ijht.340409	Fichera A., Frasca M., Volpe R. (2016). On energy distribution in cities: a model based on complex networks, *International Journal of Heat and Technology* , Vol. 34, No. 4, pp. 611-615. DOI: 10.18280/ijht.340409
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349	Carotenuto C., Guarino G., Minale M., Morrone B.	Biogas production from anaerobic digestion of manure at different operative conditions	Manure, Fermentation, Biogas Composition, Lactating and Non-Lactating Buffalo, CH_4/CO_2 Ratio.	34, 4, 623-629	10.18280/ijht.340411	Carotenuto C., Guarino G., Minale M., Morrone B. (2016). Biogas production from anaerobic digestion of manure at different operative conditions, *International Journal of Heat and Technology* , Vol. 34, No. 4, pp. 623-629. DOI: 10.18280/ijht.340411
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354	Song H.J., Zhang W., Li Y.Q., Yang Z.Y., Ming A.B.	Simulation of the vapor-liquid two-phase flow of evaporation and condensation	Two-Phase Flow, VOF, Evaporation, Condensation, Computational Fluid Dynamic (CFD).	34, 4, 663-670	10.18280/ijht.340416	Song H.J., Zhang W., Li Y.Q., Yang Z.Y., Ming A.B. (2016). Simulation of the vapor-liquid two-phase flow of evaporation and condensation, *International Journal of Heat and Technology* , Vol. 34, No. 4, pp. 663-670. DOI: 10.18280/ijht.340416
355	Benarab F., Medjelled A., Benchatti T.	Physical approach for sand flux quantification and flow dynamic properties investigation for fine sand grains transport	Aeolian Transport, Saltation, Transport Layer, Sand Flux, Turbulence Kinetic Energy.	34, 4, 671-676	10.18280/ijht.340417	Benarab F., Medjelled A., Benchatti T. (2016). Physical approach for sand flux quantification and flow dynamic properties investigation for fine sand grains transport, *International Journal of Heat and Technology* , Vol. 34, No. 4, pp. 671-676. DOI: 10.18280/ijht.340417
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359	Dada M.A., Benchatti A.	Assessment of heat recovery and recovery efficiency of a seasonal thermal energy storage system in a moist porous medium	Heat Storage, Long-Term, Underground, Heat Recovery, Recovery Efficiency.	34, 4, 701-708	10.18280/ijht.340421	Dada M.A., Benchatti A. (2016). Assessment of heat recovery and recovery efficiency of a seasonal thermal energy storage system in a moist porous medium, *International Journal of Heat and Technology* , Vol. 34, No. 4, pp. 701-708. DOI: 10.18280/ijht.340421
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364	Cardinale T., De Fazio P., Grandizio F.	Numerical and experimental computation of airflow in a transport container	CFD, Model, Convective Flows, Air Distribution, Hybrid Refrigeration.	34, 4, 734-742	10.18280/ijht.340426	Cardinale T., De Fazio P., Grandizio F. (2016). Numerical and experimental computation of airflow in a transport container, *International Journal of Heat and Technology* , Vol. 34, No. 4, pp. 734-742. DOI: 10.18280/ijht.340426
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367	Thirumurugan K., Vasanthakumari R.	Double – diffusive convection of non – Newtonian Walters’ (MODELB′) viscoelastic fluid through brinkman porous medium with suspended particles	Walters’B′ Fluid, Double-Diffusive Convection, Compressibility, Brinkman Porous Medium, Viscoelasticity.	34, 3, 357-363	10.18280/ijht.340302	Thirumurugan K., Vasanthakumari R. (2016). Double – diffusive convection of non – Newtonian Walters’ (MODELB′) viscoelastic fluid through brinkman porous medium with suspended particles, *International Journal of Heat and Technology* , Vol. 34, No. 3, pp. 357-363. DOI: 10.18280/ijht.340302

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382	Zhang H.T., Wei J.P., Wang Y.G., Wen Z.H., Yao B.H.	Application of sampling method based on negative pressure pneumatic conveying in soft coal seam	Drill Pipe Inner Diameter, Drilling Velocity, Negative Pressure Pneumatic Conveying, Particle Breakage Ratio.	34, 3, 473-478	10.18280/ijht.340317	Zhang H.T., Wei J.P., Wang Y.G., Wen Z.H., Yao B.H. (2016). Application of sampling method based on negative pressure pneumatic conveying in soft coal seam, *International Journal of Heat and Technology* , Vol. 34, No. 3, pp. 473-478. DOI: 10.18280/ijht.340317
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388	Xia B.W., Zhao B.Q., Lu Y.Y., Liu C.W., Song C.P.	Drainage radius after high pressure water jet slotting based on methane flow field	Methane, High Pressure Water Jet Slotting, Methane Flow Field, Effective Drainage Radius.	34, 3, 507-512	10.18280/ijht.340323	Xia B.W., Zhao B.Q., Lu Y.Y, Liu C.W., Song C.P. (2016). Drainage radius after high pressure water jet slotting based on methane flow field, *International Journal of Heat and Technology* , Vol. 34, No. 3, pp. 507-512. DOI: 10.18280/ijht.340323
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396	Kaliakatsos D., Cucumo M., Ferraro V., Mele M., Galloro A., Accorinti F.	CFD analysis of a pipe equipped with twisted tape	Heat, Exchange, Twisted, Tape Pipe, CFD, Analysis.	34, 2, 172-180	10.18280/ijht.340203	Kaliakatsos D., Cucumo M., Ferraro V., Mele M., Galloro A., Accorinti F. (2016). CFD analysis of a pipe equipped with twisted tape, *International Journal of Heat and Technology* , Vol. 34, No. 2, pp. 172-180. DOI: 10.18280/ijht.340203

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398	Zhu Z.W., Li H.X.	Experimental investigation on the anisotropic tensorial eddy viscosity model for turbulence flow	Turbulent Flow, Reynolds Stress, Tensorial Eddy Viscosity Model, Hot Film Anemometer.	34, 2, 186-190	10.18280/ijht.340205	Zhu Z.W., Li H.X. (2016). Experimental investigation on the anisotropic tensorial eddy viscosity model for turbulence flow, *International Journal of Heat and Technology* , Vol. 34, No. 2, pp. 186-190. DOI: 10.18280/ijht.340205
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408	Wang X.D., Hou K.P., Liu J., Wang X.Y.	Study of jet flow and dust motion in flat chambers based on theory of gas-soild two phase flow	Flat Chamber, Dust Motion, Jet Flow Zone, Reflux Zone, Gas-Solid Two Phase Flow.	34, 2, 261-267	10.18280/ijht.340215	Wang X.D., Hou K.P., Liu J., Wang X.Y. (2016). Study of jet flow and dust motion in flat chambers based on theory of gas-soild two phase flow, *International Journal of Heat and Technology* , Vol. 34, No. 2, pp. 261-267. DOI: 10.18280/ijht.340215
409	Senouci M., Benchatti T., Bounif A., Oumrani N., Merouane H.	A hybrid RANS-RSM/Composition PDF-transport method for simulation of hydrgen-air turbulent diffusion flame	PDF Method, Turbulent Diffusion Flame, Micro Mixing Models, Axisymmetric Turbulent Reacting Jet, Turbulence Modelling.	34, 2, 268-274	10.18280/ijht.340216	Senouci M., Benchatti T., Bounif A., Oumrani N., Merouane H. (2016). A hybrid RANS-RSM/Composition PDF-transport method for simulation of hydrgen-air turbulent diffusion flame, *International Journal of Heat and Technology* , Vol. 34, No. 2, pp. 268-274. DOI: 10.18280/ijht.340216
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432	Gao F., Feng M.Q., Han S.X., Bai J.Z.	Numerical simulation research on flow characteristics and influential factors of Wuxing Lake	Wuxing Lake, Circulation, Numerical Simulation, Wind, Boundary.	34, 1, 80-88	10.18280/ijht.340112	Gao F., Feng M.Q., Han S.X., Bai J.Z. (2016). Numerical simulation research on flow characteristics and influential factors of Wuxing Lake, *International Journal of Heat and Technology* , Vol. 34, No. 1, pp. 80-88. DOI: 10.18280/ijht.340112
433	Singh J. K., Joshi N., Begum S.G.	Unsteady magnetohydrodynamic Couette-Poiseuille flow within porous plates filled with porous medium in the presence of a moving magnetic field with hall and ion-slip effects	Hall Current, Ion-Slip, Magnetic Field, Permeability, Suction/Injection.	34, 1, 89-97	10.18280/ijht.340113	Singh J. K., Joshi N. and Begum S.G. (2016). Unsteady magnetohydrodynamic Couette-Poiseuille flow within porous plates filled with porous medium in the presence of a moving magnetic field with hall and ion-slip effects, *International Journal of Heat and Technology*, Vol. 34, No. 1, pp. 89-97. DOI: 10.18280/ijht.340113
434	Yao S.G., Zhang J.K., Zhang L.L., Qian F.Z.	Hydrodynamic character analysis of natural circulation HRSG of blast furnace gas	Blast Furnace Gas, HRSG, Hydrodynamic.	34, 1, 98-102	10.18280/ijht.340114	Yao S.G., Zhang J.K., Zhang L.L., Qian F.Z. (2016). Hydrodynamic character analysis of natural circulation HRSG of blast furnace gas, *International Journal of Heat and Technology*, Vol. 34, No. 1, pp. 98-102. DOI: 10.18280/ijht.340114
435	Zouaoui A., Zili-Ghedira L., Nasrallah S.B.	Experimental investigation of air dehumidification and regeneration operations using packed bed of silica gel particles	Experimental, Dehumidification, Regeneration.	34, 1, 103-109	10.18280/ijht.340115	Zouaoui A., Zili-Ghedira L., Nasrallah S.B. (2016). Experimental investigation of air dehumidification and regeneration operations using packed bed of silica gel particles, *International Journal of Heat and Technology*, Vol. 34, No. 1, pp. 103-109. DOI: 10.18280/ijht.340115
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437	Ahmed N., Das S.M.	Oscillatory MHD mass transfer channel flow in a rotating system with Hall current	Convective Flow, Hall Current, Rotating Channel, Slip Conditions, Thermal Radiation.	34, 1, 115-123	10.18280/ijht.340117	Ahmed N., Das S.M. (2016). Oscillatory MHD mass transfer channel flow in a rotating system with Hall current, *International Journal of Heat and Technology*, Vol. 34, No. 1, pp. 115-123. DOI: 10.18280/ijht.340117
438	Liu L.L., Li K.K., Lu F.	Dynamic simulation modeling of inking system based on elastohydrodynamic lubrication	Dynamic Lubrication, Inking System, Transfer Characteristic, Printing Speed.	34, 1, 124-128	10.18280/ijht.340118	Liu L.L., Li K.K., Lu F. (2016). Dynamic simulation modeling of inking system based on elastohydrodynamic lubrication, *International Journal of Heat and Technology*, Vol. 34, No. 1, pp. 124-128. DOI: 10.18280/ijht.340118
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443	Lorenzini G., Saro O.	Analysis of water droplet evaporation through a theoretical-numerical model	Analytical Model, Numerical Method, Water Droplet Evaporation, Water Droplet Travel Distance, Water Droplet Time of Flight, Final Droplet Temperature, Parameters Effect.	34, Sp. 2, S189-S198	10.18280/ijht.34Sp0201	Lorenzini G., Saro O. (2016). Analysis of water droplet evaporation through a theoretical-numerical model, International Journal of Heat and Technology, Vol. 34, Special Issue 2, pp. S189-S198. DOI: 10.18280/ijht.34Sp0201
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447	Cannistraro G., Cannistraro M., Cannistraro A., Galvagno A.	Analysis of air pollution in the urban center of four cities Sicilian	Environmental Pollution, Pollution Levels, Linear Regression, Air Quality Index, Statistical Analysis, PM_{10}, NO_2, SO, O_3, CO, C_6H_6, NH_3, COVNM.	34, Sp. 2, S219-S225	10.18280/ijht.34Sp0205	Cannistraro G., Cannistraro M., Cannistraro A., Galvagno A. (2016). Analysis of air pollution in the urban center of four cities Sicilian, International Journal of Heat and Technology, Vol. 34, Special Issue 2, pp. S219-S225. DOI: 10.18280/ijht.34Sp0205
448	Gagliano A., Nocera F., Detommaso M., Evola G.	Thermal behavior of an extensive green roof: numerical simulations and experimental investigations	Green Roof, Thermal Inertia, Urban Heat Island, Experimental Measurements.	34, Sp. 2, S226-S234	10.18280/ijht.34Sp0206	Gagliano A., Nocera F., Detommaso M., Evola G. (2016). Thermal behavior of an extensive green roof: numerical simulations and experimental investigations, International Journal of Heat and Technology, Vol. 34, Special Issue 2, pp. S226-S234. DOI: 10.18280/ijht.34Sp0206
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450	Perrone D., Amelio M.	Numerical simulation of MILD (moderate or intense low-oxygen dilution) combustion of coal in a furnace with different coal gun positions	MILD, Coal Combustion, Computational Fluid Dynamics.	34, Sp. 2, S242-S248	10.18280/ijht.34Sp0208	Perrone D., Amelio M. (2016). Numerical simulation of MILD (moderate or intense low-oxygen dilution) combustion of coal in a furnace with different coal gun positions, International Journal of Heat and Technology, Vol. 34, Special Issue 2, pp. S242-S248. DOI: 10.18280/ijht.34Sp0208
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453	Bardi U., Perissi I., Csala D., Sgouridis S.	The Sower’s way: a strategy to attain the energy transition	Energy Transition, Sower’s Way, Renewable Energy, EROI.	34, Sp. 2, S263-S265	10.18280/ijht.34Sp0211	Bardi U., Perissi I., Csala D., Sgouridis S. (2016). The Sower’s way: a strategy to attain the energy transition, International Journal of Heat and Technology, Vol. 34, Special Issue 2, pp. S263-S265. DOI: 10.18280/ijht.34Sp0211

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455	Ascione F., Bianco N., De Stasio C., Mauro G.M., Vanoli G.P.	A methodology to assess and improve the impact of public energy policies for retrofitting the building stock: application to Italian office buildings	Dynamic Energy Simulations, Building Energy Retrofit, Building Stock, Representative Building Sample, Energy Policies.	34, Sp. 2, S277-S286	10.18280/ijht.34Sp0213	Ascione F., Bianco N., De Stasio C., Mauro G.M., Vanoli G.P. (2016). A methodology to assess and improve the impact of public energy policies for retrofitting the building stock: application to Italian office buildings, International Journal of Heat and Technology, Vol. 34, Special Issue 2, pp. S277-S286. DOI: 10.18280/ijht.34Sp0213
456	D'Agostino D., Marino C., Minichiello F.	The use of earth-to-air and air-to-air heat exchangers for different Italian climates	Dynamic Energy Simulations, Building Energy Retrofit, Building Stock, Representative Building Sample, Energy Policies.	34, Sp. 2, S287-S294	10.18280/ijht.34Sp0214	D'Agostino D., Marino C., Minichiello F. (2016). The use of earth-to-air and air-to-air heat exchangers for different Italian climates, International Journal of Heat and Technology, Vol. 34, Special Issue 2, pp. S287-S294. DOI: 10.18280/ijht.34Sp0214
457	Ciampi G., Rosato A., Sibilio S.	Dynamic simulation of a micro-trigeneration system serving an Italian multi-family house: energy, environmental and economic analyses	Cogeneration, Trigeneration, Carbon Dioxide Emissions, Energy Saving, TRNSYS.	34, Sp. 2, S295-S302	10.18280/ijht.34Sp0215	Ciampi G., Rosato A., Sibilio S. (2016). Dynamic simulation of a micro-trigeneration system serving an Italian multi-family house: energy, environmental and economic analyses, International Journal of Heat and Technology, Vol. 34, Special Issue 2, pp. S295-S302. DOI: 10.18280/ijht.34Sp0215
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459	Murgi N., De Lorenzo G., Corigliano O., Mirandola F.A., Fragiacomo P.	Influence of anodic gas mixture composition on solid oxide fuel cell performance: Part 2	SOFC, Syngas, Hydrogen, Clean Energy, Testing Planning.	34, Sp. 2, S309-S314	10.18280/ijht.34Sp0217	Murgi N., De Lorenzo G., Corigliano O., Mirandola F.A., Fragiacomo P. (2016). Influence of anodic gas mixture composition on solid oxide fuel cell performance: Part 2, International Journal of Heat and Technology, Vol. 34, Special Issue 2, pp. S309-S314. DOI: 10.18280/ijht.34Sp0217
460	Evola G., Marletta L., Gagliano A., Nocera F., Peci D.	Energy balances and payback time for controlled mechanical ventilation in residential buildings	Mechanical Ventilation, Residential Buildings, Heat Recovery, Primary Energy, Costs.	34, Sp. 2, S315-S322	10.18280/ijht.34Sp0218	Evola G., Marletta L., Gagliano A., Nocera F., Peci D. (2016). Energy balances and payback time for controlled mechanical ventilation in residential buildings, International Journal of Heat and Technology, Vol. 34, Special Issue 2, pp. S315-S322. DOI: 10.18280/ijht.34Sp0218
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462	Cannistraro G., Cannistraro M., Cannistraro A., Galvagno A., Trovato G.	Technical and economic evaluations about the integration of co-trigeneration systems in the dairy industry	Dairy Industries, Energy, Emission Analysis, Cogeneration Plants, Tri-Generation.	34, Sp. 2, S332-S336	10.18280/ijht.34Sp0220	Cannistraro G., Cannistraro M., Cannistraro A., Galvagno A., Trovato G. (2016). Technical and economic evaluations about the integration of co-trigeneration systems in the dairy industry, International Journal of Heat and Technology, Vol. 34, Special Issue 2, pp. S332-S336. DOI: 10.18280/ijht.34Sp0220
463	Cucumo M., Ferraro V., Kaliakatsos D., Mele M., Nicoletti F.	Calculation model using finite-difference method for energy analysis in a concentrating solar plant with linear Fresnel reflectors	Concentrating Solar Power, Linear Fresnel, Finite-Difference Method.	34, Sp. 2, S337-S345	10.18280/ijht.34Sp0221	Cucumo M., Ferraro V., Kaliakatsos D., Mele M., Nicoletti F. (2016). Calculation model using finite-difference method for energy analysis in a concentrating solar plant with linear Fresnel reflectors, International Journal of Heat and Technology, Vol. 34, Special Issue 2, pp. S337-S345. DOI: 10.18280/ijht.34Sp0221
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465	Ciarmiello M., Morrone B.	Numerical thermal analysis of an electric oven for Neapolitan pizzas	Computational Fluid Dynamic, Electric Oven, Numerical Simulation, Radiative Heat Flux.	34, Sp. 2, S351-S358	10.18280/ijht.34Sp0223	Ciarmiello M., Morrone B. (2016). Numerical thermal analysis of an electric oven for Neapolitan pizzas, International Journal of Heat and Technology, Vol. 34, Special Issue 2, pp. S351-S358. DOI: 10.18280/ijht.34Sp0223
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469	Viola A., Franzitta V., Trapanese M., Curto D.	Nexus water & energy: a case study of wave energy converters (WECs) to desalination applications in Sicily	Desalination, Water, Renewable Energy, Wave Energy.	34, Sp. 2, S379-S386	10.18280/ijht.34Sp0227	Viola A., Franzitta V., Trapanese M., Curto D. (2016). Nexus water & energy: a case study of wave energy converters (WECs) to desalination applications in Sicily, International Journal of Heat and Technology, Vol. 34, Special Issue 2, pp. S379-S386. DOI: 10.18280/ijht.34Sp0227
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474	Myriam Lazard	Heat transfer in a semi-transparent parallelogram shaped medium	Radiative Transfer Equation, Conduction, Parallelogram.	34, Sp. 2, S420-424	10.18280/ijht.34Sp0232	Myriam Lazard. (2016). Heat transfer in a semi-transparent parallelogram shaped medium , International Journal of Heat and Technology, Vol. 34, Special Issue 2, pp. S420-424. DOI: 10.18280/ijht.34Sp0232
475	Carotenuto C., Guarino G., Morrone B., Minale M.	Temperature and pH effect on methane production from buffalo manure anaerobic digestion	Anaerobic Digestion, Bio-Methane, Buffalo Manure.	34, Sp. 2, S425-S429	10.18280/ijht.34Sp0233	Carotenuto C., Guarino G., Morrone B., Minale M. (2016).Temperature and pH effect on methane production from buffalo manure anaerobic digestion , International Journal of Heat and Technology, Vol. 34, Special Issue 2, pp. S425-S429. DOI: 10.18280/ijht.34Sp0233
476	Fichera A., Volpe R., Frasca M.	Assessment of the energy distribution in urban areas by using the framework of complex network theory	City, Complex Networks, Decentralized Energy Systems, Renewables.	34, Sp. 2, S430-S434	10.18280/ijht.34Sp0234	Fichera A., Volpe R., Frasca M. (2016). Assessment of the energy distribution in urban areas by using the framework of complex network theory, International Journal of Heat and Technology, Vol. 34, Special Issue 2, pp. S430-S434. DOI: 10.18280/ijht.34Sp0234
477	Scafetta N.	Problems in modeling and forecasting climate change: CMIP5 general circulation models versus a semi-empirical model based on natural oscillations	Global Warming, Climate Models, Natural Versus Anthropogenic Variability, Natural Oscillation, Solar and Astronomical Forcings.	34, Sp. 2, S435-S442	10.18280/ijht.34Sp0235	Scafetta N. (2016).Problems in modeling and forecasting climate change: CMIP5 general circulation models versus a semi-empirical model based on natural oscillations, International Journal of Heat and Technology, Vol. 34, Special Issue 2, pp. S435-S442. DOI: 10.18280/ijht.34Sp0235
478	Salvini C., Giovannelli A., Varano M.	Economic analysis of small size gas turbine based CHP plants in the present Italian context	CHP Plants, Gas Turbine with Heat Recovery, Small Size Gas Turbine, High Efficiency Cogeneration.	34, Sp. 2, S443-S450	10.18280/ijht.34Sp0236	Salvini C., Giovannelli A., Varano M. (2016). Economic analysis of small size gas turbine based CHP plants in the present Italian context, International Journal of Heat and Technology, Vol. 34, Special Issue 2, pp. S443-S450. DOI: 10.18280/ijht.34Sp0236
479	Cascetta F., Musto M., Rotondo G., Barbato L.	The influence of the filling percentage traffic on required ventilation thrust in road tunnel	CFD, Tunnel, Traffic, Ventilation.	34, Sp. 2, S451-S457	10.18280/ijht.34Sp0237	Cascetta F., Musto M., Rotondo G., Barbato L. (2016). The influence of the filling percentage traffic on required ventilation thrust in road tunnel, International Journal of Heat and Technology, Vol. 34, Special Issue 2, pp. S451-S457. DOI: 10.18280/ijht.34Sp0237
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481	Ferroni L., Natale A., Gatto R.	Exergy analysis of a pwr core heat transfer	Exergy Analysis, Energy Conversion, Thermodynamic Simulation, PWR Reactor, Fission Energy.	34, Sp. 2, S465-S471	10.18280/ijht.34Sp0239	Ferroni L., Natale A., Gatto R. (2016). Exergy analysis of a pwr core heat transfer, International Journal of Heat and Technology, Vol. 34, Special Issue 2, pp. S465-S471. DOI: 10.18280/ijht.34Sp0239
482	Cirillo L., Corte A.D., Nardini S.	Feasibility study of solar cooling thermally driven system configurations for an office building in Mediterranean area	Solar Heating and Cooling, Solar Energy, Absorption Cooling, Simulation.	34, Sp. 2, S472-S480	10.18280/ijht.34Sp0240	Cirillo L., Corte A.D., Nardini S. (2016). Feasibility study of solar cooling thermally driven system configurations for an office building in Mediterranean area, International Journal of Heat and Technology, Vol. 34, Special Issue 2, pp. S472-S480. DOI: 10.18280/ijht.34Sp0240
483	Sibilio S., Rosato A., Scorpio M., Iuliano G., Ciampi G., Vanoli G.P., De Rossi F.	A review of electrochromic windows for residential applications	Electrochromic Glazing, Energy Saving, Experimental Measurements, Smart Window, Visual Comfort.	34, Sp. 2, S481-S488	10.18280/ijht.34Sp0241	Sibilio S., Rosato A., Scorpio M., Iuliano G., Ciampi G., Vanoli G.P., De Rossi F. (2016). A review of electrochromic windows for residential applications, International Journal of Heat and Technology, Vol. 34, Special Issue 2, pp. S481-S488. DOI: 10.18280/ijht.34Sp0241
484	Andreozzi A., Bianco N., Iasiello M., Naso V.	Thermal analysis of an open cell foam volumetric solar receiver	Volumetric Solar Receiver, Ceramic Foam, Numerical Approach, Thermal Analysis.	34, Sp. 2,S489-S495	10.18280/ijht.34Sp0242	Andreozzi A., Bianco N., Iasiello M., Naso V. (2016). Thermal analysis of an open cell foam volumetric solar receiver, International Journal of Heat and Technology, Vol. 34, Special Issue 2, pp. S489-S495. DOI: 10.18280/ijht.34Sp0242
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487	Arpino F., Carotenuto A., Ciccolella M., Cortellessa G., Massarotti N., Mauro A.	Transient natural convection in partially porous vertical annuli	FEM, Porous Medium Model, Heat Transfer, Dual Time Stepping.	34, Sp. 2, S512-S518	10.18280/ijht.34Sp0245	Arpino F., Carotenuto A., Ciccolella M., Cortellessa G., Massarotti N., Mauro A. (2016). Transient natural convection in partially porous vertical annuli, International Journal of Heat and Technology, Vol. 34, Special Issue 2, pp. S512-S518. DOI: 10.18280/ijht.34Sp0245
488	Carotenuto A., De Luca G., Fabozzi S., Figaj R.D., Iorio M., Massarotti N., Vanoli L.	Energy analysis of a small geothermal district heating system in southern Italy	District Heating, Geothermal Energy, Heat Pump, Efficiency, Renewable Energy.	34, Sp. 2, S519-S527	10.18280/ijht.34Sp0246	Carotenuto A., De Luca G., Fabozzi S., Figaj R.D., Iorio M., Massarotti N., Vanoli L. (2016). Energy analysis of a small geothermal district heating system in southern Italy, International Journal of Heat and Technology, Vol. 34, Special Issue 2, pp. S519-S527. DOI: 10.18280/ijht.34Sp0246
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491	Genco A., Viggiano A., Viscido L., Sellitto G., Magi V.	Numerical simulation of energy systems to control environment microclimate	Dynamic Simulation, Air Conditioning, Microclimate, Energy Efficiency.	34, Sp. 2, S545-S552	10.18280/ijht.34Sp0249	Genco A., Viggiano A., Viscido L., Sellitto G., Magi V. (2016). Numerical simulation of energy systems to control environment microclimate, International Journal of Heat and Technology, Vol. 34, Special Issue 2, pp. S545-S552. DOI: 10.18280/ijht.34Sp0249
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494	Fortelli A., Scafetta N., Mazzarella A.	Local warming in historical center of naples: urban heat island through thermic city analysis	Urban Heat Island, Local Warming, Meteorological Parameters.	34, Sp. 2, S569-S572	10.18280/ijht.34Sp0252	Fortelli A., Scafetta N., Mazzarella A. (2016). Local warming in historical center of naples: urban heat island through thermic city analysis, International Journal of Heat and Technology, Vol. 34, Special Issue 2, pp. S569-S572. DOI: 10.18280/ijht.34Sp0252
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497	Cannistraro G., Cannistraro A., Cannistraro M.	Evaluation of the sound emissions and climate acoustic in proximity of one railway station in proximity of one railway station	Noise Pollution, Monitoring Railway Noise, Noise Mapping, Acoustic Climate, Acoustics Legislation.	34, Sp. 2, S589-S596	10.18280/ijht.34Sp0255	Cannistraro G., Cannistraro A., Cannistraro M. (2016). Evaluation of the sound emissions and climate acoustic in proximity of one railway station in proximity of one railway station, International Journal of Heat and Technology, Vol. 34, Special Issue 2, pp. S589-S596. DOI: 10.18280/ijht.34Sp0255
498	Di Natale F., Carotenuto C., Manna L., Esposito M., La Motta F., D'addio L., Lancia A.	Water electrified sprays for emission control in energy production processes	Flue Gas Treatment, Ultrafine Particle Capture, SO_2 Capture, Wet Electrostatic Scrubbing.	34, Sp. 2, S597-S602	10.18280/ijht.34Sp0256	Di Natale F., Carotenuto C., Manna L., Esposito M., La Motta F., D'addio L., Lancia A. (2016). Water electrified sprays for emission control in energy production processes, International Journal of Heat and Technology, Vol. 34, Special Issue 2, pp. S597-S602. DOI: 10.18280/ijht.34Sp0256
499	Bejan A.	Constructal thermodynamics	Constructal Law, Design, Organization, Life, Evolution, Arrow of Time, Thermodynamics, Entropy.	34, Sp. 1, S1-S8	10.18280/ijht.34Sp0101	Bejan A. (2016). Constructal thermodynamics, International Journal of Heat and Technology, Vol. 34, Special Issue 1, pp. S1-S8. DOI: 10.18280/ijht.34Sp0101
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501	Nicoletti G., Arcuri N., Bruno R., Nicoletti G.	On the generalized concept of entropy for physical, extra-physical and chemical processes	Heat Exchangers, Quality Index in Thermal Exchange, Chemical Combustions, Environmental Quality Index, Information Theory.	34, Sp. 1, S21-S28	10.18280/ijht.34Sp0103	Nicoletti G., Arcuri N., Bruno R., Nicoletti G. (2016). On the generalized concept of entropy for physical, extra-physical and chemical processes, International Journal of Heat and Technology, Vol. 34, Special Issue 1, pp. S21-S28. DOI: 10.18280/ijht.34Sp0103
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503	Cetkin E.	Constructal structures with and without high-conductivity inserts for self-cooling	Constructal, Self-Cooling, High-Conductivity, Conduction, Inverted Fins.	34, Sp. 1, S37-S42	10.18280/ijht.34Sp0105	Cetkin E. (2016). Constructal structures with and without high-conductivity inserts for self-cooling, International Journal of Heat and Technology, Vol. 34, Special Issue 1, pp. S37-S42. DOI: 10.18280/ijht.34Sp0105
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506	Dogaru V.	The expanding of constructal law in economics – a justification for crossed flows of similar macro goods	Trade Flow Irreversibility, Comparative Advantage as Chemical Economic Reaction, Manoilescu Generalised Scheme, Economics, Constructal Law.	34, Sp. 1, S59-S74	10.18280/ijht.34Sp0108	Dogaru V. (2016). The expanding of constructal law in economics – a justification for crossed flows of similar macro goods, International Journal of Heat and Technology, Vol. 34, Special Issue 1, pp. S59-S74. DOI: 10.18280/ijht.34Sp0108
507	Zhang J., Lou X.D., Guo L.Z.	Universal patterns and constructal law in open flow networks	Open Flow Network, Allometric Law, Dissipation, Constructal Law.	34, Sp. 1, S75-S82	10.18280/ijht.34Sp0109	Zhang J., Lou X.D., Guo L.Z. (2016). Universal patterns and constructal law in open flow networks, International Journal of Heat and Technology, Vol. 34, Special Issue 1, pp. S75-S82. DOI: 10.18280/ijht.34Sp0109

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510	Lucia U., Buzzi P., Grazzini G.	Irreversibility in river flow	Entropy, Environment, Flood, Irreversibility, River.	34, Sp. 1, S95-S100	10.18280/ijht.34Sp0112	Lucia U., Buzzi P., Grazzini G. (2016). Irreversibility in river flow, International Journal of Heat and Technology, Vol. 34, Special Issue 1, pp. S95-S100. DOI: 10.18280/ijht.34Sp0112
511	Magalhães G.M.C., Lorenzini G., Nardi M.G., Amico S.C., Isoldi L.A., Rocha L.A.O., Souza J.A., Dos Santos E.D.	Geometrical evaluation of a resin infusion process by means of constructal design	Constructal Design, Liquid Resin Infusion, Numerical Simulation, I-Shaped Channel, T-Shaped Channel	34, Sp. 1, S101-S108	10.18280/ijht.34Sp0113	Magalhães G.M.C., Lorenzini G., Nardi M.G., Amico S.C., Isoldi L.A., Rocha L.A.O., Souza J.A., Dos Santos E.D. (2016). Geometrical evaluation of a resin infusion process by means of constructal design, International Journal of Heat and Technology, Vol. 34, Special Issue 1, pp. S101-S108. DOI: 10.18280/ijht.34Sp0113
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513	Morega A.M., Popac M., Morega M., Pîslaru-Dănescu L.	Shape and structure optimization of a magnetostrictive cored actuator	Magnetostriction, Shape, Constructal, Numerical Modeling.	34, Sp. 1, S119-S124	10.18280/ijht.34Sp0115	Morega A.M., Popac M., Morega M., Pîslaru-Dănescu L. (2016). Shape and structure optimization of a magnetostrictive cored actuator, International Journal of Heat and Technology, Vol. 34, Special Issue 1, pp. S119-S124. DOI: 10.18280/ijht.34Sp0115
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515	Rehwinkel A.	Corporate financial risk analysis according to the constructal law: exploring the composition of liabilities to assets	Constructal Law, Financial Risk, Golden Ratio, Liabilities to Assets.	34, Sp. 1, S133-S140	10.18280/ijht.34Sp0117	Rehwinkel A. (2016). Corporate financial risk analysis according to the constructal law: exploring the composition of liabilities to assets, International Journal of Heat and Technology, Vol. 34, Special Issue 1, pp. S133-S140. DOI: 10.18280/ijht.34Sp0117
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517	Reis A.H.	Ad-hoc principles of "minimum energy expenditure" as corollaries of the constructal law. The cases of river basins and human vascular systems	Flow Systems, Ad-Hoc Principles, Entropy Production Rate, Energy Expenditure, Constructal Law.	34, Sp. 1, S147-S150	10.18280/ijht.34Sp0119	Reis A.H. (2016). Ad-hoc principles of "minimum energy expenditure" as corollaries of the constructal law. The cases of river basins and human vascular systems, International Journal of Heat and Technology, Vol. 34, Special Issue 1, pp. S147-S150. DOI: 10.18280/ijht.34Sp0119
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520	Adewumi O.O., Bello-Ochende T., Meyer J.P.	Constructal design of single microchannel heat sink with varying axial length and temperature-dependent fluid properties	Forced Convection, Minimised Peak Temperature, Minimised Thermal Resistance, Microchannel, Aspect Ratio.	34, Sp. 1, S167-S172	10.18280/ijht.34Sp0122	Adewumi O.O., Bello-Ochende T., Meyer J.P. (2016). Constructal design of single microchannel heat sink with varying axial length and temperature-dependent fluid properties, International Journal of Heat and Technology, Vol. 34, Special Issue 1, pp. S167-S172. DOI: 10.18280/ijht.34Sp0122
521	Yenigün O., Çetkin E.	Constructal tree-shaped designs for self-cooling	Constructal Law, Self-Cooling, Vascular, Radial, Tree-Shaped.	34, Sp. 1, S173-S178	10.18280/ijht.34Sp0123	Yenigün O., Çetkin E. (2016). Constructal tree-shaped designs for self-cooling, International Journal of Heat and Technology, Vol. 34, Special Issue 1, pp. S173-S178. DOI: 10.18280/ijht.34Sp0123
522	Orndorff C., Dai W.Z.	Numerical hyperthermia simulation for a 3-D triple-layered skin structure with embedded vascular countercurrent network and nanoparticles	Constructal Law, Skin Living Tissue, Finite-Difference Method, Hyperthermia, Bioheat Transfer	34, Sp. 1, S179-S184	10.18280/ijht.34Sp0124	Orndorff C., Dai W.Z. (2016). Numerical hyperthermia simulation for a 3-D triple-layered skin structure with embedded vascular countercurrent network and nanoparticles, International Journal of Heat and Technology, Vol. 34, Special Issue 1, pp. S179-S184. DOI: 10.18280/ijht.34Sp0124
523	Biserni C., Garai M.	Energy balance and second law analysis applied to buildings: an opportunity for Bejan's theory	Energy Analysis in Buildings, Exergy and Second Law of Thermodynamics, Constructal Law.	34, Sp. 1, S185-S187	10.18280/ijht.34Sp0125	Biserni C., Garai M. (2016). Energy balance and second law analysis applied to buildings: an opportunity for Bejan's theory, International Journal of Heat and Technology, Vol. 34, Special Issue 1, pp. S185-S187. DOI: 10.18280/ijht.34Sp0125