

No.	Co-authors	Article title	Keywords	Vol., No., pp.	DOI	Citation
1	Rizzo, A., Puglia, M., Morselli, N., Tartarini, P.	Analysis of energy saving potential of combined thermal solar power and micro scale gasification systems	Biomass, Gasification, Combined Heat and Power, Solar Thermal	63, 2-4, 115-120	10.18280/ti-ijes.632-401	Rizzo, A., Puglia, M., Morselli, N., Tartarini, P. (2019). Analysis of energy saving potential of combined thermal solar power and micro scale gasification systems. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 115-120. https://doi.org/10.18280/ti-ijes.632-401
2	Marafioti, C., Bergero, S., Cavalletti, P., Marchitto, A.	Thermal control and heat accounting: Economics related to service time and building insulation	Cost-benefit Analysis, Heat Metering, Heat Regulation, Residential Building Energy Efficiency	63, 2-4, 121-128	10.18280/ti-ijes.632-402	Marafioti, C., Bergero, S., Cavalletti, P., Marchitto, A. (2019). Thermal control and heat accounting: Economics related to service time and building insulation. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 121-128. https://doi.org/10.18280/ti-ijes.632-402
3	Cardinale, T., Sposato, C., Alba, M.B., Feo, A., Grandizio, F., Lista, G.F., Montesano, G., De Fazio, P.	Energy and mechanical characterization of composite materials for building with recycled PVC	Cementitious Mortar, PVC Compound, Mechanical and Hygro-thermal Characterization	63, 2-4, 129-135	10.18280/ti-ijes.632-403	Cardinale, T., Sposato, C., Alba, M.B., Feo, A., Grandizio, F., Lista, G.F., Montesano, G., De Fazio, P. (2019). Energy and mechanical characterization of composite materials for building with recycled PVC. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 129-135. https://doi.org/10.18280/ti-ijes.632-403
4	Detommaso, M., Gagliano, A., Nocera, F.	The effectiveness of cool and green roofs as urban heat island mitigation strategies: A case study	Cool surfaces, Green Roof, Outdoor Comfort, PMV, ENVI-met	63, 2-4, 136-142	10.18280/ti-ijes.632-404	Detommaso, M., Gagliano, A., Nocera, F. (2019). The effectiveness of cool and green roofs as urban heat island mitigation strategies: A case study. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 136-142. https://doi.org/10.18280/ti-ijes.632-404
5	Cucumo, M.A., Ferraro, V., Kalkiatos, D., Nicoletti, F.	Solar tracking system for a linear fresnel plant with two degrees of freedom reflectors	Inear Fresnel Reflectors, Stepper, Biaxial Movement	63, 2-4, 143-150	10.18280/ti-ijes.632-405	Cucumo, M.A., Ferraro, V., Kalkiatos, D., Nicoletti, F. (2019). Solar tracking system for a linear fresnel plant with two degrees of freedom reflectors. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 143-150. https://doi.org/10.18280/ti-ijes.632-405
6	Cucumo, M.A., Galloro, A., Greco, N., Mele, M., Nicoletti, F., Perrone, D.	Thermal fluid dynamics analysis of crude oil fouling in a heat exchanger with internal mechanical inserts	CFD Analysis, Crude Oil, Fouling, Heat Exchanger, Twisted Tape	63, 2-4, 151-157	10.18280/ti-ijes.632-406	Cucumo, M.A., Galloro, A., Greco, N., Mele, M., Nicoletti, F., Perrone, D. (2019). Thermal fluid dynamics analysis of crude oil fouling in a heat exchanger with internal mechanical inserts. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 151-157. https://doi.org/10.18280/ti-ijes.632-406
7	Cucumo, M., Ferraro, V., Galloro, A., Gullo, D., Kalkiatos, D., Nicoletti, F.	Computational fluid dynamics simulations to evaluate the performance improvement for air-cooler equipped with a water spray system	Air cooler, Water Spray System, CFD Simulation	63, 2-4, 158-166	10.18280/ti-ijes.632-407	Cucumo, M., Ferraro, V., Galloro, A., Gullo, D., Kalkiatos, D., Nicoletti, F. (2019). Computational fluid dynamics simulations to evaluate the performance improvement for air-cooler equipped with a water spray system. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 158-166. https://doi.org/10.18280/ti-ijes.632-407
8	Colajanni, S., Megna, B., La Gennusa, M., Sanfilippo, C., Badagliaccio, D., Bellomo, M., Valenza, A.	Controlling thermal flows through natural materials in building construction sector	Control Heating Exchange, Building Envelope, Energy Saving, Natural Material	63, 2-4, 167-172	10.18280/ti-ijes.632-408	Colajanni, S., Megna, B., La Gennusa, M., Sanfilippo, C., Badagliaccio, D., Bellomo, M., Valenza, A. (2019). Controlling thermal flows through natural materials in building construction sector. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 167-172. https://doi.org/10.18280/ti-ijes.632-408
9	Laura, B., Zavanella Lucio, E.	Potential energy benchmark for lecture timetable problem	Course Timetabling, Energy Scheduling, Potential Energy Benchmark	63, 2-4, 173-180	10.18280/ti-ijes.632-409	Laura, B., Zavanella Lucio, E. (2019). Potential energy benchmark for lecture timetable problem. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 173-180. https://doi.org/10.18280/ti-ijes.632-409
10	Araria, R., Negadi, K., Marignetti, F.	Design and analysis of the speed and torque control of IM with DTC based ANN strategy for electric vehicle application	Artificial Neural Network Control (ANNC), Direct Torque Control (DTC), DC/DC Converters, DC/AC Inverter, Electric Vehicle (EV), Induction Motor (IM) Drives	63, 2-4, 181-188	10.18280/ti-ijes.632-410	Araria, R., Negadi, K., Marignetti, F. (2019). Design and analysis of the speed and torque control of IM with DTC based ANN strategy for electric vehicle application. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 181-188. https://doi.org/10.18280/ti-ijes.632-410
11	Cravero, C., Leutcha, P.J., Marsano, D.	CFD modelling of regenerative pre-heating systems for recycled glass raw material	Glass Industry, Heat Recovery, CFD, Numerical Optimization	63, 2-4, 189-197	10.18280/ti-ijes.632-411	Cravero, C., Leutcha, P.J., Marsano, D. (2019). CFD modelling of regenerative pre-heating systems for recycled glass raw material. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 189-197. https://doi.org/10.18280/ti-ijes.632-411
12	Tagliafico, L.A., Cavalletti, A., Marafioti, C., Marchitto, A.	End users' acceptance of new technologies in building heating: An experience on solar assisted heat pumps	Acceptance, Control, Monitoring	63, 2-4, 198-204	10.18280/ti-ijes.632-412	Tagliafico, L.A., Cavalletti, A., Marafioti, C., Marchitto, A. (2019). End users' acceptance of new technologies in building heating: An experience on solar assisted heat pumps. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 198-204. https://doi.org/10.18280/ti-ijes.632-412
13	Djeumegni, J.S., Lazard, M., Dez, V.L., Tagne Kamdem, H.T.	Modeling of radiative heat transfer in a gray semi-transparent medium with internal fluid cavity limited by black boundary surfaces	Radiative Heat Transfer, Semi-transparent, Semi-analytical	63, 2-4, 205-210	10.18280/ti-ijes.632-413	Djeumegni, J.S., Lazard, M., Dez, V.L., Tagne Kamdem, H.T. (2019). Modeling of radiative heat transfer in a gray semi-transparent medium with internal fluid cavity limited by black boundary surfaces. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 205-210. https://doi.org/10.18280/ti-ijes.632-413
14	Cannistraro, M., Guglielmino, C.	Considerations on the thermo-hygrometric and luminous microclimate of a museum building. A case study Messina museum	Comfort Thermo-hygrometric, Microclimate for the Conservation of Works of Art, Comfort Luminous, Air Quality Inside of Museum Micro-environments, Techniques and Solutions for the Containment of Energy Consumption	63, 2-4, 211-220	10.18280/ti-ijes.632-414	Cannistraro, M., Guglielmino, C. (2019). Considerations on the thermo-hygrometric and luminous microclimate of a museum building. A case study Messina museum. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 211-220. https://doi.org/10.18280/ti-ijes.632-414
15	Cannistraro, G., Cannistraro, M., Guglielmino, C.	Verify between the provided by forecast models acoustical data and those experimental detected at Messina	Noise Pollution, Environmental Noise Control, Acoustic Forecast Modelling, Noise Climate	63, 2-4, 221-226	10.18280/ti-ijes.632-415	Cannistraro, G., Cannistraro, M., Guglielmino, C. (2019). Verify between the provided by forecast models acoustical data and those experimental detected at Messina. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 221-226. https://doi.org/10.18280/ti-ijes.632-415
16	Pesetti, A., Giambartolomei, G., Lo Frano, R., Lazzari, R., Sarkar, B., Olcese, M., Aquaro, D.	Mitigation of a loss of coolant accident in ITER vacuum vessel by means of steam pressure suppression	Nuclear Fusion Reactor, ITER, Direct Steam Condensation, CFD	63, 2-4, 227-234	10.18280/ti-ijes.632-416	Pesetti, A., Giambartolomei, G., Lo Frano, R., Lazzari, R., Sarkar, B., Olcese, M., Aquaro, D. (2019). Mitigation of a loss of coolant accident in ITER vacuum vessel by means of steam pressure suppression. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 227-234. https://doi.org/10.18280/ti-ijes.632-416
17	Selicati, V., Cardinale, N., Rospi, G., Dassisti, M.	Application of energetic life cycle assessment of retrofit interventions on the historical heritage: The case of "Palazzo del Sedile"	Energetic Life Cycle Assessment, Historical Heritage, Environmental Impacts	63, 2-4, 235-242	10.18280/ti-ijes.632-417	Selicati, V., Cardinale, N., Rospi, G., Dassisti, M. (2019). Application of energetic life cycle assessment of retrofit interventions on the historical heritage: The case of "Palazzo del Sedile". <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 235-242. https://doi.org/10.18280/ti-ijes.632-417
18	Berkani, A., Negadi, K., Allaoui, T., Marignetti, F.	Sliding mode control of wind energy conversion system using dual star synchronous machine and three level converter	Dual Star Synchronous Machine (DSSM), Wind Energy, Three Level Converters, Electrical Drive, Sliding Mode Control, Wind Energy Conversion System (WECS)	63, 2-4, 243-250	10.18280/ti-ijes.632-418	Berkani, A., Negadi, K., Allaoui, T., Marignetti, F. (2019). Sliding mode control of wind energy conversion system using dual star synchronous machine and three level converter. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 243-250. https://doi.org/10.18280/ti-ijes.632-418
19	Greco, A., Aprea, C., Maiorino, A., Masselli, C.	Nanofluids as heat transfer fluids for high-efficiency calorific heat pumps	Caloric, Cooling, Heat-pumping, Nanofluid	63, 2-4, 251-256	10.18280/ti-ijes.632-419	Greco, A., Aprea, C., Maiorino, A., Masselli, C. (2019). Nanofluids as heat transfer fluids for high-efficiency calorific heat pumps. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 251-256. https://doi.org/10.18280/ti-ijes.632-419
20	Catizzone, E., Bonura, G., Migliori, M., Braccio, G., Frusteri, F., Giordano, G.	The effect of zeolite features on catalytic performances of Cu/Zn/Zr/zeolite hybrid catalysts in one-pot CO ₂ -to-DME hydrogenation	CO ₂ Recycling, Dimethyl Ether, Heterogeneous Catalysis, Zeolites	63, 2-4, 257-262	10.18280/ti-ijes.632-420	Catizzone, E., Bonura, G., Migliori, M., Braccio, G., Frusteri, F., Giordano, G. (2019). The effect of zeolite features on catalytic performances of Cu/Zn/Zr/zeolite hybrid catalysts in one-pot CO ₂ -to-DME hydrogenation. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 257-262. https://doi.org/10.18280/ti-ijes.632-420
21	Giuliano, A., Catizzone, E., Barisano, D., Nanna, F., Villone, A., De Bari, I., Comacchia, G., Braccio, G.	Techno-environmental assessment for a bio-methanol integrated plant using anaerobic digestion OFMWS, carbon capture and biomass gasification	Biomass, OFMWS, Waste Valorization, Bio-methanol, Techno-environmental Assessment	63, 2-4, 263-269	10.18280/ti-ijes.632-421	Giuliano, A., Catizzone, E., Barisano, D., Nanna, F., Villone, A., De Bari, I., Comacchia, G., Braccio, G. (2019). Techno-environmental assessment for a bio-methanol integrated plant using anaerobic digestion OFMWS, carbon capture and biomass gasification. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 263-269. https://doi.org/10.18280/ti-ijes.632-421
22	Bruno, R., Bevilacqua, P., Ferraro, V., Arcuri, N.	Entropy generation minimization for the design of plate heat exchangers	Design Optimization, Entropy Generation Minimization, Plate Heat Exchanger	63, 2-4, 270-276	10.18280/ti-ijes.632-422	Bruno, R., Bevilacqua, P., Ferraro, V., Arcuri, N. (2019). Entropy generation minimization for the design of plate heat exchangers. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 270-276. https://doi.org/10.18280/ti-ijes.632-422
23	Rubino, C., Bonet-Aracil, M., Liuzzi, S., Martellotta, F., Stefanizzi, P.	Thermal characterization of innovative sustainable building materials from wool textile fibers waste	Wool Fibers, Natural Binder, Effective Thermal Conductivity	63, 2-4, 277-283	10.18280/ti-ijes.632-423	Rubino, C., Bonet-Aracil, M., Liuzzi, S., Martellotta, F., Stefanizzi, P. (2019). Thermal characterization of innovative sustainable building materials from wool textile fibers waste. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 277-283. https://doi.org/10.18280/ti-ijes.632-423

24	Avanzini, P.	A view on economy through thermodynamic glasses (the thermodynamic currency)	Panergy, Energy, Energy Economy, Monetary Strategy, Energetic Currency	63, 2-4, 284-290	10.18280/ti-ijes.632-424	Avanzini, P. (2019). A view on economy through thermodynamic glasses (the thermodynamic currency). <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 284-290. https://doi.org/10.18280/ti-ijes.632-424
25	Faruoli, M., Viggiano, A., Magi, V.	A porous media numerical approach for the simulation of stirling engine regenerators	Stirling Engine, CFD, Porous Media, Regenerator	63, 2-4, 291-296	10.18280/ti-ijes.632-425	Faruoli, M., Viggiano, A., Magi, V. (2019). A porous media numerical approach for the simulation of stirling engine regenerators. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 291-296. https://doi.org/10.18280/ti-ijes.632-425
26	Koulali, M., Mankour, M., Negadi, K., Mezaour, A.	Energy management of hybrid power system PV Wind and battery based three level converter	Wind Energy, Photovoltaic PV, Battery, Hybrid System, MPPT Tracking, Three Level Inverter, Fuzzy Logic Control (FLC)	63, 2-4, 297-304	10.18280/ti-ijes.632-426	Koulali, M., Mankour, M., Negadi, K., Mezaour, A. (2019). Energy management of hybrid power system PV Wind and battery based three level converter. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 297-304. https://doi.org/10.18280/ti-ijes.632-426
27	Giuliano, A., Barletta, D., De Bari, L., Motola, V., Piero, N., Giocoli, A.	Biomass availability based novel approach for lignocellulosic biorefineries and biomethane plants	Lignocellulosic Biomass, Environmental Savings, Bioethanol, Biomethane	63, 2-4, 305-310	10.18280/ti-ijes.632-427	Giuliano, A., Barletta, D., De Bari, L., Motola, V., Piero, N., Giocoli, A. (2019). Biomass availability based novel approach for lignocellulosic biorefineries and biomethane plants. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 305-310. https://doi.org/10.18280/ti-ijes.632-427
28	Paparello, D., Vitulli, V., Minuto, F., Bottacchioli, L., Lanzini, A., Borchiellini, R.	Strategies for demand-side management in an office building integrated with rooftop façade PV installations	Demand Side Management, Energy Management, Building Automation, Energy Metering	63, 2-4, 311-314	10.18280/ti-ijes.632-428	Paparello, D., Vitulli, V., Minuto, F., Bottacchioli, L., Lanzini, A., Borchiellini, R. (2019). Strategies for demand-side management in an office building integrated with rooftop façade PV installations. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 311-314. https://doi.org/10.18280/ti-ijes.632-428
29	Lazard, M., Ymeli, G.L., Tagne Kamdem, H.T., Tchinda, R.	Analysis of heat transfer in the case of non-linear hyperbolic conduction equation coupled with radiation or with thermoelectricity	Analytical Layered Radiative Solution, Non-Fourier Conduction, Lattice Boltzmann Method, Quadrupole Method, Planar-Spherical Media, Thermoelectricity	63, 2-4, 315-322	10.18280/ti-ijes.632-429	Lazard, M., Ymeli, G.L., Tagne Kamdem, H.T., Tchinda, R. (2019). Analysis of heat transfer in the case of non-linear hyperbolic conduction equation coupled with radiation or with thermoelectricity. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 315-322. https://doi.org/10.18280/ti-ijes.632-429
30	Malaguti, V., Lodi, C., Tartarini, P.	Dynamic analysis of the role of thermal inertia in the heating system control of historical and monumental buildings	Energy Efficiency, Heritage, Thermal Inertia, Dynamic Modelling	63, 2-4, 323-328	10.18280/ti-ijes.632-430	Malaguti, V., Lodi, C., Tartarini, P. (2019). Dynamic analysis of the role of thermal inertia in the heating system control of historical and monumental buildings. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 323-328. https://doi.org/10.18280/ti-ijes.632-430
31	Cappanera, G., D'Alessandro, V., Giammichele, L., Ricci, R.	Acoustic investigation of aerodynamic appendages for wind turbine blades: Fluid-dynamic tests	Noise Reduction, Trailing Edge Serrations, Wind Turbines, Wind Tunnel Testing	63, 2-4, 329-335	10.18280/ti-ijes.632-431	Cappanera, G., D'Alessandro, V., Giammichele, L., Ricci, R. (2019). Acoustic investigation of aerodynamic appendages for wind turbine blades: Fluid-dynamic tests. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 329-335. https://doi.org/10.18280/ti-ijes.632-431
32	Buonomo, B., Pasqua, A., Manca, O., Nardini, S.	Numerical study on thermal and fluid dynamic behavior of a compact heat exchanger partially filled with metal foam	Aluminum Foam, Heat Exchanger, Heat Transfer Enhancement, Partially Filled	63, 2-4, 336-342	10.18280/ti-ijes.632-432	Buonomo, B., Pasqua, A., Manca, O., Nardini, S. (2019). Numerical study on thermal and fluid dynamic behavior of a compact heat exchanger partially filled with metal foam. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 336-342. https://doi.org/10.18280/ti-ijes.632-432
33	Moretti, E., Nassuato, L., Bordon, G.P.	Development of regression models to predict energy consumption in industrial sites: The case study of a manufacturing company in the central Italy	Multiple Regression Analysis, Energy Consumption, Industrial Building, Multiple Linear Regression Model	63, 2-4, 343-348	10.18280/ti-ijes.632-433	Moretti, E., Nassuato, L., Bordon, G.P. (2019). Development of regression models to predict energy consumption in industrial sites: The case study of a manufacturing company in the central Italy. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 343-348. https://doi.org/10.18280/ti-ijes.632-433
34	Lombardi, F., Rocco, M.V., Locatelli, S., Magni, C., Colombo, E., Bellussi, L., Danza, L.	Bottom-up lumped-parameters thermodynamic modelling of the Italian residential building stock: Assessment of high-resolution heat demand profiles	Residential Building Stock, Heat Demand, Thermodynamic Building Model, Energy Modelling, Nearly Zero Energy Buildings	63, 2-4, 349-356	10.18280/ti-ijes.632-434	Lombardi, F., Rocco, M.V., Locatelli, S., Magni, C., Colombo, E., Bellussi, L., Danza, L. (2019). Bottom-up lumped-parameters thermodynamic modelling of the Italian residential building stock: Assessment of high-resolution heat demand profiles. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 349-356. https://doi.org/10.18280/ti-ijes.632-434
35	Ferraro, M., Farulla, G.A., Tumminia, G., Guarino, F., Aloisio, D., Brunaccini, G., Sergi, F., Giusa, F., Colino, A.E., Cellura, M., Antonucci, V.	Computer fluid dynamics assessment of an active ventilated façade integrating distributed MPPT and battery	BIPV, battery, ventilated façade, CFD	63, 2-4, 357-364	10.18280/ti-ijes.632-435	Ferraro, M., Farulla, G.A., Tumminia, G., Guarino, F., Aloisio, D., Brunaccini, G., Sergi, F., Giusa, F., Colino, A.E., Cellura, M., Antonucci, V. (2019). Computer fluid dynamics assessment of an active ventilated façade integrating distributed MPPT and battery. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 357-364. https://doi.org/10.18280/ti-ijes.632-435
36	Quattrocchi, F.	From separated laws and directives to a unique regulatory issue in Europe about the synergic and conflicting use of subsurface to produce low carbon energy	Planning of: Underground Energy Potential, Natural Gas Storage, Geothermal Energy, CO ₂ Natural Gas Storage, Nuclear Waste Management, Water Waste Management, Energy Storage	63, 2-4, 365-372	10.18280/ti-ijes.632-436	Quattrocchi, F. (2019). From separated laws and directives to a unique regulatory issue in Europe about the synergic and conflicting use of subsurface to produce low carbon energy. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 365-372. https://doi.org/10.18280/ti-ijes.632-436
37	Guelpa, E., Verda, V.	Towards 4th generation district heating by demand side management: A real application	Demand Response, Thermal Network, Optimization, Sustainability, Future Energy Systems	63, 2-4, 373-380	10.18280/ti-ijes.632-437	Guelpa, E., Verda, V. (2019). Towards 4th generation district heating by demand side management: A real application. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 373-380. https://doi.org/10.18280/ti-ijes.632-437
38	Cantore, G., Mattarelli, E., Rinaldini, C.A., Savioli, T., Scrignoli, F.	Experimental validation of a CFD-3D model for analyzing dual fuel (CNG/Diesel) combustion	Diesel, CNG, Dual Fuel, Combustion, CFD-3D	63, 2-4, 381-385	10.18280/ti-ijes.632-438	Cantore, G., Mattarelli, E., Rinaldini, C.A., Savioli, T., Scrignoli, F. (2019). Experimental validation of a CFD-3D model for analyzing dual fuel (CNG/Diesel) combustion. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 381-385. https://doi.org/10.18280/ti-ijes.632-438
39	Bergero, S., Chiari, A.	Heat transfer via unconditioned spaces: The influence of the adjustment factor evaluation method	Unconditioned Spaces, Adjustment Factor Btr.U, Thermal Bridges, Building Energy Need, UNITS 11300-1 Calculation Procedure	63, 2-4, 386-392	10.18280/ti-ijes.632-439	Bergero, S., Chiari, A. (2019). Heat transfer via unconditioned spaces: The influence of the adjustment factor evaluation method. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 386-392. https://doi.org/10.18280/ti-ijes.632-439
40	Masri, T., Ounis, H., Benchabane, A., Sedira, L.	Effect of lignin on the mechanical properties of a composite material based on date palm leaflets and expanded polystyrene wastes	Bio-composite, Mechanical Characterization, Vegetal Waste, Industrial Waste, Low-cost, Recycling	63, 2-4, 393-396	10.18280/ti-ijes.632-440	Masri, T., Ounis, H., Benchabane, A., Sedira, L. (2019). Effect of lignin on the mechanical properties of a composite material based on date palm leaflets and expanded polystyrene wastes. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 393-396. https://doi.org/10.18280/ti-ijes.632-440
41	Verda, V., Guelpa, E.	Modelling approach for fast simulation and optimization of large district heating networks	District heating, Network Models, Reduced Models, System Operation	63, 2-4, 397-403	10.18280/ti-ijes.632-441	Verda, V., Guelpa, E. (2019). Modelling approach for fast simulation and optimization of large district heating networks. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 397-403. https://doi.org/10.18280/ti-ijes.632-441
42	Mariani, A., Morrone, B., Unich, A.	Bottoming organic Rankine cycles for passenger cars	Organic Rankine Cycle, Internal Combustion Engine, Real Driving Emission Test, Thermodynamic Modeling, Energy Recovery Systems	63, 2-4, 404-408	10.18280/ti-ijes.632-442	Mariani, A., Morrone, B., Unich, A. (2019). Bottoming organic Rankine cycles for passenger cars. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 404-408. https://doi.org/10.18280/ti-ijes.632-442
43	Capasso, L., Diana, A., Manca, O., Nardini, S., Vigna, S.	Numerical investigation on a solar chimney in a building façade under different climatic condition	Integrating Solar System, Chimney Effect, Natural Ventilation, Building Envelope	63, 2-4, 409-416	10.18280/ti-ijes.632-443	Capasso, L., Diana, A., Manca, O., Nardini, S., Vigna, S. (2019). Numerical investigation on a solar chimney in a building façade under different climatic condition. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 409-416. https://doi.org/10.18280/ti-ijes.632-443
44	Mariani, A., Unich, A., Minale, M.	EGR strategy for NOx emission reduction in a CAI engine fuelled with innovative biogas	EGR Strategy, Biogas, Internal Combustion Engines (ICE), Controlled Auto Ignition (CAI)	63, 2-4, 417-423	10.18280/ti-ijes.632-444	Mariani, A., Unich, A., Minale, M. (2019). EGR strategy for NOx emission reduction in a CAI engine fuelled with innovative biogas. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 417-423. https://doi.org/10.18280/ti-ijes.632-444
45	Cannavale, A., Martellotta, F., Matteis, V.D., Ayr, U.	Bio-compatible core-shell nanostructured PCMs for thermal comfort in lightweight constructions	Nanostructured PCMs, Sol-gel Synthesis, Thermal Comfort	63, 2-4, 424-430	10.18280/ti-ijes.632-445	Cannavale, A., Martellotta, F., Matteis, V.D., Ayr, U. (2019). Bio-compatible core-shell nanostructured PCMs for thermal comfort in lightweight constructions. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 424-430. https://doi.org/10.18280/ti-ijes.632-445
46	Liuzzi, S., Chio, P.D., Rubino, C., Stefanizzi, P.	Energetic and economic comparison of lighting systems in historical buildings: A case study	DIALux, EcoCALC, Fluorescent Lamps, Halogen Lamps, LED, Lighting System	63, 2-4, 431-436	10.18280/ti-ijes.632-446	Liuzzi, S., Chio, P.D., Rubino, C., Stefanizzi, P. (2019). Energetic and economic comparison of lighting systems in historical buildings: A case study. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 431-436. https://doi.org/10.18280/ti-ijes.632-446

47	Palazzo, P., Giannetti, F., Caruso, G.	A Preliminary Exergy Analysis of the EU DEMO Fusion Reactor	Fusion Reactor, DEMO, Balance of Plant, Exergy Balance, Exergy Efficiency, Energy Storage System	63, 2-4, 437-446	10.18280/ti-ijes.632-447	Palazzo, P., Giannetti, F., Caruso, G. (2019). A Preliminary Exergy Analysis of the EU DEMO Fusion Reactor. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 437-446. https://doi.org/10.18280/ti-ijes.632-447
48	Costa, M., Cirillo, D., Rocco, V., Tuccillo, R., La Villetta, M., Caputo, C., Martorello, G.	Characterization and optimization of heat recovery in a combined heat and power generation unit	Micro Combined Heat and Power, Waste Heat Recovery, Biomass	63, 2-4, 447-451	10.18280/ti-ijes.632-448	Costa, M., Cirillo, D., Rocco, V., Tuccillo, R., La Villetta, M., Caputo, C., Martorello, G. (2019). Characterization and optimization of heat recovery in a combined heat and power generation unit. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 447-451. https://doi.org/10.18280/ti-ijes.632-448
49	Martellotta, F., Cannavale, A., Ayr, U.	machine learning approach to predict energy consumptions in office and industrial buildings as a function of weather data	Consumption Forecasting, Machine Learning, Industrial Buildings	63, 2-4, 452-458	10.18280/ti-ijes.632-449	Martellotta, F., Cannavale, A., Ayr, U. (2019). machine learning approach to predict energy consumptions in office and industrial buildings as a function of weather data. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 452-458. https://doi.org/10.18280/ti-ijes.632-449
50	Giannuzzi, F., Mesini, E., Quattrocchi, F.	Smart ancient cities: Towards PAES compilation. The case history of Magliano-Tuscany Region and Canary Islands	PAES-PEC, Smart Cities and Communities, Smart Ancient Cities, Energy Density Low Carbon, Magliano (Tuscany region), Canary Islands	63, 2-4, 459-466	10.18280/ti-ijes.632-450	Giannuzzi, F., Mesini, E., Quattrocchi, F. (2019). Smart ancient cities: Towards PAES compilation. The case history of Magliano-Tuscany Region and Canary Islands. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 459-466. https://doi.org/10.18280/ti-ijes.632-450
51	Ferraro, V., Bevilacqua, P., Bruno, R., Arcuri, N.	Energy savings in greenhouses through the use of heat recovery systems	Energy Saving, Closed Greenhouse, Heat Recovery	63, 2-4, 467-473	10.18280/ti-ijes.632-451	Ferraro, V., Bevilacqua, P., Bruno, R., Arcuri, N. (2019). Energy savings in greenhouses through the use of heat recovery systems. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 2-4, pp. 467-473. https://doi.org/10.18280/ti-ijes.632-451
52	Jaluria, Y.	Optimization of Thermal Systems to Reduce Energy Consumption and Environmental Effect	Energy, Environment, Modelling, Optimization, Simulation, Thermal Systems	63, 1, 1-12	10.18280/ti-ijes.630101	Jaluria, Y. (2019). Optimization of Thermal Systems to Reduce Energy Consumption and Environmental Effect. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 1, pp. 1-12. https://doi.org/10.18280/ti-ijes.630101
53	Mutani, G., Todeschi, V., Grisolia, G., Lucia, U.	Introduction to Constructal Law Analysis for a Simplified Hourly Energy Balance Model of Residential Buildings at District Scale	Buildings Morphology, Constructal Law, Residential Buildings, Space Heating Consumption Model, Urban Scale	63, 1, 13-20	10.18280/ti-ijes.630102	Mutani, G., Todeschi, V., Grisolia, G., Lucia, U. (2019). Introduction to Constructal Law Analysis for a Simplified Hourly Energy Balance Model of Residential Buildings at District Scale. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 1, pp. 13-20. https://doi.org/10.18280/ti-ijes.630102
54	Bilonoga, Y., Stybel, V., Lorenzini, E., Maksysko, O., Drachuk, U.	Changes in the Hydro-mechanical and Thermo-physical Characteristics of Liquid Food Products (for Example, Milk) under the Influence of Natural Surfactants	Vegetable Oils, Average Thickness of the Laminar Boundary Layers, Surface Number, Surfactants, Coefficient of Surface Tension	63, 1, 21-27	10.18280/ti-ijes.630103	Bilonoga, Y., Stybel, V., Lorenzini, E., Maksysko, O., Drachuk, U. (2019). Changes in the Hydro-mechanical and Thermo-physical Characteristics of Liquid Food Products (for Example, Milk) under the Influence of Natural Surfactants. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 1, pp. 21-27. https://doi.org/10.18280/ti-ijes.630103
55	Balasubramaniam, V., Subramanian, S.M., Kannan, V.P., Joseph, S.M.R.	3D Printing in Biomedical Applications	Enzymatic Incubation Medium, Birth Similar Organs, 3D Bio-Printing, Additive Manufacturing, Embryonic Stem Cell, Placental Fluid	63, 1, 28-33	10.18280/ti-ijes.630104	Balasubramaniam, V., Subramanian, S.M., Kannan, V.P., Joseph, S.M.R. (2019). 3D Printing in Biomedical Applications. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 1, pp. 28-33. https://doi.org/10.18280/ti-ijes.630104
56	Chinwuba Ike, C.	Timoshenko Beam Theory for the Flexural Analysis of Moderately Thick Beams – Variational Formulation, and Closed Form Solution	Timoshenko Beam Theory, Moderately Thick Beams, Total Potential Energy Functional, Euler-Lagrange Differential Equations, Differential Equations of Equilibrium, Shear Deformation	63, 1, 34-45	10.18280/ti-ijes.630105	Chinwuba Ike, C. (2019). Timoshenko Beam Theory for the Flexural Analysis of Moderately Thick Beams – Variational Formulation, and Closed Form Solution. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 1, pp. 34-45. https://doi.org/10.18280/ti-ijes.630105
57	Piancastelli, L.	Domestic Micro-cogeneration: A High Efficiency, Cost Effective, Simple Solution	Micro-Cogeneration, Domestic, Heating Boiler, Micro-Turbine	63, 1, 46-51	10.18280/ti-ijes.630106	Piancastelli, L. (2019). Domestic Micro-cogeneration: A High Efficiency, Cost Effective, Simple Solution. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 1, pp. 46-51. https://doi.org/10.18280/ti-ijes.630106
58	Greco, A., Aprea C., Maiorino, A., Masselli, C.	On the Utilization of Nanofluids as Secondary Fluid for Heat Transfer in a Magnetocaloric Cooler	Nanofluids, Magnetic Refrigeration, Magnetocaloric, AMR, Heat Transfer Fluid, CuO	63, 1, 52-58	10.18280/ti-ijes.630107	Greco, A., Aprea C., Maiorino, A., Masselli, C. (2019). On the Utilization of Nanofluids as Secondary Fluid for Heat Transfer in a Magnetocaloric Cooler. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 1, pp. 52-58. https://doi.org/10.18280/ti-ijes.630107
59	Ahmad, M., Qayoum, A.	Numerical Investigation of Dimensionless Numbers on Macro-scale Synthetic Jet Actuator in Quiescent Flow	Synthetic Jet Actuator, Stokes Length (L), Stokes Number (S), Active Flow Control, Lift Enhancement	63, 1, 59-64	10.18280/ti-ijes.630108	Ahmad, M., Qayoum, A. (2019). Numerical Investigation of Dimensionless Numbers on Macro-scale Synthetic Jet Actuator in Quiescent Flow. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 1, pp. 59-64. https://doi.org/10.18280/ti-ijes.630108
60	Santangelo, P.E., Camio, M., Romagnoli, M.	Review of Catalyst-deposition Techniques for PEMFC Electrodes	Catalysts, Layers, Manufacturing, PEMFC, Raw Materials	63, 1, 65-72	10.18280/ti-ijes.630109	Santangelo, P.E., Camio, M., Romagnoli, M. (2019). Review of Catalyst-deposition Techniques for PEMFC Electrodes. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 1, pp. 65-72. https://doi.org/10.18280/ti-ijes.630109
61	Chabane, F., Khadraoui Z., Bensahel D.	Prediction of Global Solar Radiation on the Horizontal Area with the Effect of Ambient Temperature Part: II	Solar Radiation, Experimental Study, Ambient Temperature, Sun Height, Correlation	63, 1, 73-77	10.18280/ti-ijes.630110	Chabane, F., Khadraoui Z., Bensahel D. (2019). Prediction of Global Solar Radiation on the Horizontal Area with the Effect of Ambient Temperature Part: II. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 1, pp. 73-77. https://doi.org/10.18280/ti-ijes.630110
62	Ike, C.C., Nwoji, C.U., Mama, B.O., Onah, H.N.	Least Squares Weighted Residual Method for Solving the Generalised Elastic Column Buckling Problem	Least Squares Weighted Residual Method, Generalised Elastic Column Buckling Problem, Asymmetric Section, Singly Symmetric Section, Doubly Symmetric Section, Characteristic Buckling Equation, Algebraic Eigenvalue Eigenvector Problem	63, 1, 78-85	10.18280/ti-ijes.630111	Ike, C.C., Nwoji, C.U., Mama, B.O., Onah, H.N. (2019). Least Squares Weighted Residual Method for Solving the Generalised Elastic Column Buckling Problem. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 1, pp. 78-85. https://doi.org/10.18280/ti-ijes.630111
63	Trifirò, F.	Fuels from Biomass	Biofuels, Biomethan, Biodiesel, Bioethanol, Biobutanol, Biohydrogen	63, 1, 86-93	10.18280/ti-ijes.630112	Trifirò, F. (2019). Fuels from Biomass. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 1, pp. 86-93. https://doi.org/10.18280/ti-ijes.630112
64	Liu, J.Y.	Theoretical and Experimental Analysis on Wellbore Enhancement in Fractured Formation through Tight Fracture Plugging by Drilling Fluid	Wellbore Enhancement, Wellbore Pressure (WP) Containment, Tight Fracture Plugging (TFP) Zone, Subsurface Formation, Drilling Fluids	63, 1, 94-100	10.18280/ti-ijes.630113	Liu, J.Y. (2019). Theoretical and Experimental Analysis on Wellbore Enhancement in Fractured Formation through Tight Fracture Plugging by Drilling Fluid. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 1, pp. 94-100. https://doi.org/10.18280/ti-ijes.630113
65	Dai, C.Q., Lv, Y.L.	Failure Mechanism and Minimum Safe Thickness of Grouting Reinforcement Ring in Tunnels Excavated by Borehole Blasting	Borehole Blasting, Grouting Reinforcement (GR), Reinforcement Ring Instability, Minimum Safe Thickness (MST)	63, 1, 101-107	10.18280/ti-ijes.630114	Dai, C.Q., Lv, Y.L. (2019). Failure Mechanism and Minimum Safe Thickness of Grouting Reinforcement Ring in Tunnels Excavated by Borehole Blasting. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 1, pp. 101-107. https://doi.org/10.18280/ti-ijes.630114
66	Narendar, G.J., Manjula, N., Govardhan K., Rajashekar, M.N.	Heat and Mass Transfer of Williamson Nanofluid with the Effects of Viscous Dissipation and Chemical Reaction	Williamson Nanofluid, Stretching Surface, Viscous Dissipation, Chemical Reaction Parameter, Heat and Mass Transfer	63, 1, 108-113	10.18280/ti-ijes.630115	Narendar, G.J., Manjula, N., Govardhan, K., Rajashekar, M.N. (2019). Heat and Mass Transfer of Williamson Nanofluid with the Effects of Viscous Dissipation and Chemical Reaction. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 1, pp. 108-113. https://doi.org/10.18280/ti-ijes.630115
67	Gotovsky, M., Gotovsky, A., Mikhailov, V., Kolpakov, S., Lychakov, V., Sukhorukov, Y.	Formic acid cycle as partial alternative to Allam cycle less expensive and simpler	CO ₂ Emissions, Formic Acid Cycle, Ecologization of Energy Generation.	61+1, 2, 49-54	10.18280/ti-ijes.620201	Gotovsky, M., Gotovsky, A., Mikhailov, V., Kolpakov, S., Lychakov, V., Sukhorukov, Y. (2018). Formic acid cycle as partial alternative to Allam cycle less expensive and simpler. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 61+1, No. 2, pp. 49-54. https://doi.org/10.18280/ti-ijes.620201
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73	Fracastoro, G.V.	Being the energy manager in a technical university	Energy Manager, Building Retrofit, Renewable Energy, Sustainable Campus.	61+1, 2, 97-101	10.18280/ti-ijes.620207	Fracastoro, G.V. (2018). Being the energy manager in a technical university. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 61+1, No. 2, pp. 97-101. https://doi.org/10.18280/ti-ijes.620207
74	Al-Weheibi, S.M., Rahman, M.M.	Convective heat transmission inside a porous trapezoidal enclosure occupied by nanofluids: local thermal nonequilibrium conditions for a porous medium	Nanofluid, Natural Convection, Porous Medium, Right-angle Trapezoidal Enclosure, Thermal Nonequilibrium State.	61+1, 2, 102-114	10.18280/ti-ijes.620208	Al-Weheibi, S.M., Rahman, M.M. (2018). Convective heat transmission inside a porous trapezoidal enclosure occupied by nanofluids: local thermal nonequilibrium conditions for a porous medium. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 61+1, No. 2, pp. 102-114. https://doi.org/10.18280/ti-ijes.620208
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79	Oyelami, F.H., Dada, M.S.	Numerical study of MHD Prandtl-Eyring non-Newtonian fluid past a vertical plate in a non-Darcy porous medium	Prandtl-Eyring Fluid, Magnetic field, Viscous Dissipation, Thermal Radiation, Magnetohydrodynamic, Non-Newtonian.	61+1, 2, 143-150	10.18280/ti-ijes.620213	Oyelami, F.H., Dada, M.S. (2018). Numerical study of MHD Prandtl-Eyring non-Newtonian fluid past a vertical plate in a non-Darcy porous medium. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 61+1, No. 2, pp. 143-150. https://doi.org/10.18280/ti-ijes.620213
80	Sekar, R., Murugan, D.	Stability analysis of ferrothermohaline convection in a Darcy porous medium with Soret and MFD viscosity effects	Ferrofluid, Darcy Model, Soret Effect, MFD Viscosity, Thermohaline Convection, Critical Magnetic Thermal Rayleigh Number.	61+1, 2, 151-161	10.18280/ti-ijes.620214	Sekar, R., Murugan, D. (2018). Stability analysis of ferrothermohaline convection in a Darcy porous medium with Soret and MFD viscosity effects. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 61+1, No. 2, pp. 151-161. https://doi.org/10.18280/ti-ijes.620214
81	Hamdi, M., Benhorma, H.A., Benchatti, A., Souici, M., Boutassouma, B.	The characterization and measurement of residual stress in butt-welded X70 steel by DRX diffraction analyses	Welding, Residual Stresses, HAZ, Steel X70, Sin ψ 2 Method.	61+1, 2, 162-165	10.18280/ti-ijes.620215	Hamdi, M., Benhorma, H.A., Benchatti, A., Souici, M., Boutassouma, B. (2018). The characterization and measurement of residual stress in butt-welded X70 steel by DRX diffraction analyses. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 61+1, No. 2, pp. 162-165. https://doi.org/10.18280/ti-ijes.620215
82	Bora, M.K., Alam, M.F., Sharma, B., Kumar, B., Barman, R.N.	Numerical investigation of Cu-H ₂ O nanofluid in a lid-driven cavity with different shaped conducting cylinders placed at the most optimum position	Conjugate Heat Transfer, Nanofluid, Lid-driven Cavity, Fluent, Nanoparticle.	61+1, 2, 166-171	10.18280/ti-ijes.620216	Bora, M.K., Alam, M.F., Sharma, B., Kumar, B., Barman, R.N. (2018). Numerical investigation of Cu-H ₂ O nanofluid in a lid-driven cavity with different shaped conducting cylinders placed at the most optimum position. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 61+1, No. 2, pp. 166-171. https://doi.org/10.18280/ti-ijes.620216
83	Ferraro, V., Marinelli, V., Settimo, J.	A simplified calculation method for the evaluation of the performance of a hybrid solar plant with linear parabolic collectors and Joule-Brayton air cycle	Air Open Joule-Brayton Cycle, Hybrid System, Linear Parabolic Solar Collectors.	61+1, 2, 172-178	10.18280/ti-ijes.620217	Ferraro, V., Marinelli, V., Settimo, J. (2018). A simplified calculation method for the evaluation of the performance of a hybrid solar plant with linear parabolic collectors and Joule-Brayton air cycle. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 61+1, No. 2, pp. 172-178. https://doi.org/10.18280/ti-ijes.620217
84	Apra, C., Greco, A., Maiorino, A., Masselli, C.	Magnetic refrigeration: a comparison between MnAs and FeRh based alloys in the room temperature range	Magnetocaloric Effect, Inverse Magnetic Materials, MnFeP0.45As0.55, Fe49Rh51.	61+1, 1, 6-11	10.18280/ti-ijes.620101	Apra, C., Greco, A., Maiorino, A., Masselli, C. (2018). Magnetic refrigeration: a comparison between MnAs and FeRh based alloys in the room temperature range. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 61+1, No. 1, pp. 6-11. https://doi.org/10.18280/ti-ijes.620101
85	Ibrahim, S.M., Mabood, F., Kumar, P.V., Lorenzini, G., Lorenzini, E.	Cattaneo-Christov heat flux on UCM flow across a melting surface with cross diffusion and double stratification	Cattaneo-Christov, Heat Flux Model, UCM Fluid, Heling Surface, Brownian Motion and thermophoresis, Thermal Stratification Parameter, Solutal Stratification Parameter, Viscous Parameter.	61+1, 1, 12-21	10.18280/ti-ijes.620102	Ibrahim, S.M., Mabood, F., Kumar, P.V., Lorenzini, G., Lorenzini, E. (2018). Cattaneo-Christov heat flux on UCM flow across a melting surface with cross diffusion and double stratification. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 61+1, No. 1, pp. 12-21. https://doi.org/10.18280/ti-ijes.620102
86	Pedraza, S., Allesina, G., Tartarini, P.	By-products of wheat milling process as fuel for biomass boilers and stoves	Bio-energy, Wheat, Combustion, ESEM, P-K Fertilizer.	61+1, 1, 22-26	10.18280/ti-ijes.620103	Pedraza, S., Allesina, G., Tartarini, P. (2018). By-products of wheat milling process as fuel for biomass boilers and stoves. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 61+1, No. 1, pp. 22-26. https://doi.org/10.18280/ti-ijes.620103
87	Cannistraro, M., Trancossi, M.	Indoor comfort in presence radiant exchanges with insulated glassed walls and local acclimatization to increase indoor comfort conditions	Thstems, Radiative Exchanges, ISO7726, ISO7730, Mean Radiant Temperature, Peltier-cells, Localized Acclimatization, Punctual Air Conditioning.	61+1, 1, 27-35	10.18280/ti-ijes.620104	Cannistraro, M., Trancossi, M. (2018). Indoor comfort in presence radiant exchanges with insulated glassed walls and local acclimatization to increase indoor comfort conditions. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 61+1, No. 1, pp. 27-35. https://doi.org/10.18280/ti-ijes.620104
88	Piancastelli, L., Peli, F., Pezzuti, E.	The advantage of the "split" turbocharger in Formula 1 engines	Formula 1, Engines, Split Turbo, Turbocompound Simulation.	61+1, 1, 36-41	10.18280/ti-ijes.620105	Piancastelli, L., Peli, F., Pezzuti, E. (2018). The advantage of the "split" turbocharger in Formula 1 engines. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 61+1, No. 1, pp. 36-41. https://doi.org/10.18280/ti-ijes.620105
89	Buonomo, B., di Pasqua, A., Ercole, D., Manca, O.	Entropy generation analysis of parallel plate channels for latent heat thermal energy storages	Phase Change Material, Latent Heat Thermal Energy Storage, Entropy Generation Analysis, Parallel Plate Channels, Porous Media.	61+1, 1, 42-48	10.18280/ti-ijes.620106	Buonomo, B., di Pasqua, A., Ercole, D., Manca, O. (2018). Entropy generation analysis of parallel plate channels for latent heat thermal energy storages. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 61+1, No. 1, pp. 42-48. https://doi.org/10.18280/ti-ijes.620106