

No.	Co-authors	Article title	Keywords	Vol., No., pp.	DOI	Citation
1	Selicati, V., Cardinale, N.	Interpretation of Manufacturing Sustainability-Assessment Through Hybrid Exergetic and Life-Cycle Metrics	exergetic analysis, indicators, life cycle assessment, manufacturing sustainability, reversibility	65, 2-4, 143-150	<a href="https://doi.org/10.18280/ti-ijes.652-401">https://doi.org/10.18280/ti-ijes.652-401</a>	Selicati, V., Cardinale, N. (2021) Interpretation of manufacturing sustainability-assessment through hybrid exergetic and life-cycle metrics. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 65, No. 2-4, pp. 143-150. <a href="https://doi.org/10.18280/ti-ijes.652-401">https://doi.org/10.18280/ti-ijes.652-401</a>
2	Grisolia, G., Lucia, U.	Thermoeconomic Analysis of Alessandria District: A Case Study for an Engineering Thermodynamic Indicator for Sustainability	thermoecconomy, sustainability, indicators, human development index	65, 2-4, 151-156	<a href="https://doi.org/10.18280/ti-ijes.652-402">https://doi.org/10.18280/ti-ijes.652-402</a>	Grisolia, G., Lucia, U. (2021) Thermoeconomic analysis of Alessandria district: A case study for an engineering thermodynamic indicator for sustainability. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 65, No. 2-4, pp. 151-156. <a href="https://doi.org/10.18280/ti-ijes.652-402">https://doi.org/10.18280/ti-ijes.652-402</a>
3	Buonomo, B., Manca, O., Menale, F., Moriello, F., Nardini, S.	Composite Thermal Control Systems with Phase Change Material in Metal Foam for Lithium Batteries Cooling	Li-ion battery, PCM, copper foam, thermal control	65, 2-4, 157-165	<a href="https://doi.org/10.18280/ti-ijes.652-403">https://doi.org/10.18280/ti-ijes.652-403</a>	Buonomo, B., Manca, O., Menale, F., Moriello, F., Nardini, S. (2021) Composite thermal control systems with phase change material in metal foam for lithium batteries cooling. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 65, No. 2-4, pp. 157-165. <a href="https://doi.org/10.18280/ti-ijes.652-403">https://doi.org/10.18280/ti-ijes.652-403</a>
4	Buonomo, B., di Pasqua, A., Manca, O., Nappo, S.	Entropy Generation Analysis on Heat Exchanger in Aluminum Foam	aluminum foam, heat exchanger, heat transfer enhancement, entropy generation method	65, 2-4, 166-173	<a href="https://doi.org/10.18280/ti-ijes.652-404">https://doi.org/10.18280/ti-ijes.652-404</a>	Buonomo, B., di Pasqua, A., Manca, O., Nappo, S. (2021). Entropy generation analysis on heat exchanger in aluminum foam. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 65, No. 2-4, pp. 166-173. <a href="https://doi.org/10.18280/ti-ijes.652-404">https://doi.org/10.18280/ti-ijes.652-404</a>
5	Battista, G., Evangelisti, L., Roncone, M., Vollaro, R.D.L.	Analysis of the Urban Heat Island in Rome (Italy): Extent and Effects on the Building Energy Performance Simulations	urban heat island, building energy simulations, energy needs, weather data, TRNSYS	65, 2-4, 174-180	<a href="https://doi.org/10.18280/ti-ijes.652-405">https://doi.org/10.18280/ti-ijes.652-405</a>	Battista, G., Evangelisti, L., Roncone, M., Vollaro, R.D.L. (2021). Analysis of the urban heat island in Rome (Italy): Extent and effects on the building energy performance simulations. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 65, No. 2-4, pp. 174-180. <a href="https://doi.org/10.18280/ti-ijes.652-405">https://doi.org/10.18280/ti-ijes.652-405</a>
6	Buonomo, B., Ceraso, V., Manca, O., Nardini, S., Plomitallo, R.E., Vigna, S.	Transient Simulation of a Whey Drying Plant Assisted by Solar Energy	whey, solar collector, vacuum evaporation, TRNSYS, solar energy	65, 2-4, 181-186	<a href="https://doi.org/10.18280/ti-ijes.652-406">https://doi.org/10.18280/ti-ijes.652-406</a>	Buonomo, B., Ceraso, V., Manca, O., Nardini, S., Plomitallo, R.E., Vigna, S. (2021). Transient simulation of a whey drying plant assisted by solar energy. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 65, No. 2-4, pp. 181-186. <a href="https://doi.org/10.18280/ti-ijes.652-406">https://doi.org/10.18280/ti-ijes.652-406</a>
7	Rosato, A., Ciervo, A., Vigiotti, R.C., Toma, R.A., Pellegrino, R., Ciampi, G., Scorpio, M., Sibilo, S.	Influence of Climatic Conditions on Dynamic Performance of Solar Hybrid Heating and Cooling Systems Integrating Seasonal Borehole Thermal Energy Storages: Application to School Buildings in the Campania Region of Italy	solar energy, borehole thermal energy storage, electric energy storage, adsorption chiller, weather data	65, 2-4, 187-195	<a href="https://doi.org/10.18280/ti-ijes.652-407">https://doi.org/10.18280/ti-ijes.652-407</a>	Rosato, A., Ciervo, A., Vigiotti, R.C., Toma, R.A., Pellegrino, R., Ciampi, G., Scorpio, M., Sibilo, S. (2021). Influence of climatic conditions on dynamic performance of solar hybrid heating and cooling systems integrating seasonal borehole thermal energy storages: Application to school buildings in the Campania region of Italy. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 65, No. 2-4, pp. 187-195. <a href="https://doi.org/10.18280/ti-ijes.652-407">https://doi.org/10.18280/ti-ijes.652-407</a>
8	Ciani, F.S., Bonfiglio, P., Piva, S.	IWC Analysis of Turbulent Plume Fires	turbulence, fire, plume, CFD, IWC	65, 2-4, 196-200	<a href="https://doi.org/10.18280/ti-ijes.652-408">https://doi.org/10.18280/ti-ijes.652-408</a>	Ciani, F.S., Bonfiglio, P., Piva, S. (2021). IWC analysis of turbulent plume fires. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 65, No. 2-4, pp. 196-200. <a href="https://doi.org/10.18280/ti-ijes.652-408">https://doi.org/10.18280/ti-ijes.652-408</a>
9	Ribezzo, A., Fasano, M., Bergamasco, L., Mongibello, L., Chiavazzo, E.	Multi-Scale Numerical Modelling for Predicting Thermo-Physical Properties of Phase-Change Nanocomposites for Cooling Energy Storage	nanocomposites, phase change materials, thermal conductivity, composite materials, finite element	65, 2-4, 201-204	<a href="https://doi.org/10.18280/ti-ijes.652-409">https://doi.org/10.18280/ti-ijes.652-409</a>	Ribezzo, A., Fasano, M., Bergamasco, L., Mongibello, L., Chiavazzo, E. (2021). Multi-scale numerical modelling for predicting thermo-physical properties of phase-change nanocomposites for cooling energy storage. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 65, No. 2-4, pp. 201-204. <a href="https://doi.org/10.18280/ti-ijes.652-409">https://doi.org/10.18280/ti-ijes.652-409</a>
10	Vocale, P., Malavasi, M., Cattani, L., Bozzoli, F., Rainieri, S.	Novel Simplified Approach for the Thermal Characterisation of Triple Tube Heat Exchangers	triple tube heat exchangers, parameter estimation, Nusselt number correlation	65, 2-4, 205-211	<a href="https://doi.org/10.18280/ti-ijes.652-410">https://doi.org/10.18280/ti-ijes.652-410</a>	Vocale, P., Malavasi, M., Cattani, L., Bozzoli, F., Rainieri, S. (2021). Novel simplified approach for the thermal characterisation of triple tube heat exchangers. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 65, No. 2-4, pp. 205-211. <a href="https://doi.org/10.18280/ti-ijes.652-410">https://doi.org/10.18280/ti-ijes.652-410</a>
11	Latini, G., Passerini, G.	Silanes and Siloxanes Thermal Conductivity in the Liquid Phase: A Critical Review and an Improved Prediction Method	liquids, thermal conductivity, silanes, siloxanes	65, 2-4, 212-217	<a href="https://doi.org/10.18280/ti-ijes.652-411">https://doi.org/10.18280/ti-ijes.652-411</a>	Latini, G., Passerini, G. (2021). Silanes and siloxanes thermal conductivity in the liquid phase: A critical review and an improved prediction method. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 65, No. 2-4, pp. 212-217. <a href="https://doi.org/10.18280/ti-ijes.652-411">https://doi.org/10.18280/ti-ijes.652-411</a>
12	Giammichele, L., D'Alessandro, V., Falone, M., Ricci, R.	Thermal Behaviour of a Cylindrical Li-Ion Battery	infrared thermography, electric vehicles, heat generation, lithium ion batteries	65, 2-4, 218-223	<a href="https://doi.org/10.18280/ti-ijes.652-412">https://doi.org/10.18280/ti-ijes.652-412</a>	Giammichele, L., D'Alessandro, V., Falone, M., Ricci, R. (2021). Thermal behaviour of a cylindrical Li-ion battery. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 65, No. 2-4, pp. 218-223. <a href="https://doi.org/10.18280/ti-ijes.652-412">https://doi.org/10.18280/ti-ijes.652-412</a>
13	Coccia, G., Mugnini, A., Romanucci, L., Polonara, F., Artoni, A.	Experimental Assessment of an Air-to-Water Heat Pump Driven by a Demand Response Strategy	demand response, experimental, heat pump, energy flexibility, real-time pricing	65, 2-4, 224-229	<a href="https://doi.org/10.18280/ti-ijes.652-413">https://doi.org/10.18280/ti-ijes.652-413</a>	Coccia, G., Mugnini, A., Romanucci, L., Polonara, F., Artoni, A. (2021). Experimental assessment of an air-to-water heat pump driven by a demand response strategy. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 65, No. 2-4, pp. 224-229. <a href="https://doi.org/10.18280/ti-ijes.652-413">https://doi.org/10.18280/ti-ijes.652-413</a>
14	de Rubéis, T., Pasqualoni, G., Paoletti, D., Ambrosini, D.	Thermal Characterization of Different Insulating Materials via Experimental Analysis in a Guarded Hot Box	hot box analysis, heat flux, thermal performance, experimental analysis, polystyrene and hemp	65, 2-4, 230-235	<a href="https://doi.org/10.18280/ti-ijes.652-414">https://doi.org/10.18280/ti-ijes.652-414</a>	de Rubéis, T., Pasqualoni, G., Paoletti, D., Ambrosini, D. (2021). Thermal characterization of different insulating materials via experimental analysis in a guarded hot box. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 65, No. 2-4, pp. 230-235. <a href="https://doi.org/10.18280/ti-ijes.652-414">https://doi.org/10.18280/ti-ijes.652-414</a>
15	Rossi, F., Gambelli, A.M., Presciutti, A.	Definition of Probability That Energy Production Differs from Demand, a Statistical Approach	energy storage, size of accumulation systems, statistical approach	65, 2-4, 236-241	<a href="https://doi.org/10.18280/ti-ijes.652-415">https://doi.org/10.18280/ti-ijes.652-415</a>	Rossi, F., Gambelli, A.M., Presciutti, A. (2021). Definition of probability that energy production differs from demand, a statistical approach. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 65, No. 2-4, pp. 236-241. <a href="https://doi.org/10.18280/ti-ijes.652-415">https://doi.org/10.18280/ti-ijes.652-415</a>
16	Cirillo, L., Farina, A.R., Greco, A., Masselli, C.	Preliminary Numerical Investigation on the Optimization of a Single Bunch of Elastocaloric Elements to be Employed in an Experimental Device	elastocaloric refrigeration, active elastocaloric regenerator, shape memory alloy, numerical model	65, 2-4, 242-249	<a href="https://doi.org/10.18280/ti-ijes.652-416">https://doi.org/10.18280/ti-ijes.652-416</a>	Cirillo, L., Farina, A.R., Greco, A., Masselli, C. (2021). Preliminary numerical investigation on the optimization of a single bunch of elastocaloric elements to be employed in an experimental device. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 65, No. 2-4, pp. 242-249. <a href="https://doi.org/10.18280/ti-ijes.652-416">https://doi.org/10.18280/ti-ijes.652-416</a>
17	Trifirò, F.	Biorefinery via Catalytic Upgraded Fast Pyrolysis of Biomass	biomass, pyrolysis, fast-pyrolysis, catalytic-fast-pyrolysis, hydropropylysis, hydrodeoxygenation, co-pyrolysis	65, 2-4, 250-255	<a href="https://doi.org/10.18280/ti-ijes.652-417">https://doi.org/10.18280/ti-ijes.652-417</a>	Trifirò, F. (2021). Biorefinery via catalytic upgraded fast pyrolysis of biomass. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 65, No. 2-4, pp. 250-255. <a href="https://doi.org/10.18280/ti-ijes.652-417">https://doi.org/10.18280/ti-ijes.652-417</a>
18	Cucumo, M.A., Ferraro, V., Kaliaatsos, D., Nicoletti, F., Gigliotti, A.	A Calculation Model to Estimate the Electrical Performance of a Photovoltaic Panel	finite differences, PV producibility, predictive method	65, 2-4, 256-263	<a href="https://doi.org/10.18280/ti-ijes.652-418">https://doi.org/10.18280/ti-ijes.652-418</a>	Cucumo, M.A., Ferraro, V., Kaliaatsos, D., Nicoletti, F., Gigliotti, A. (2021). A calculation model to estimate the electrical performance of a photovoltaic panel. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 65, No. 2-4, pp. 256-263. <a href="https://doi.org/10.18280/ti-ijes.652-418">https://doi.org/10.18280/ti-ijes.652-418</a>
19	Luciani, S., Coccia, G., Tomassetti, S., Pierantozzi, M., Di Nicola, G.	Correction Procedures for Temperature and Irradiance of Photovoltaic Modules: Determination of Series Resistance and Temperature Coefficients by Means of an Indoor Solar Flash Test Device	PV modules, experimental, solar simulator, correction parameters, flash test	65, 2-4, 264-270	<a href="https://doi.org/10.18280/ti-ijes.652-419">https://doi.org/10.18280/ti-ijes.652-419</a>	Luciani, S., Coccia, G., Tomassetti, S., Pierantozzi, M., Di Nicola, G. (2021). Correction procedures for temperature and irradiance of photovoltaic modules: Determination of series resistance and temperature coefficients by means of an indoor solar flash test device. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 65, No. 2-4, pp. 264-270. <a href="https://doi.org/10.18280/ti-ijes.652-419">https://doi.org/10.18280/ti-ijes.652-419</a>

20	Bamoshmoosh, A., Valenti, G.	Constant-Volume Vapor-Liquid Equilibrium for Thermal Energy Storage: Proposal of a New Storage System for Concentrated Solar Power Plants	thermal energy storage, concentrated solar power plants, vapor-liquid equilibria, corresponding state principle	65, 2-4, 271-278	<a href="https://doi.org/10.18280/ti-ijes.652-420">https://doi.org/10.18280/ti-ijes.652-420</a>	Bamoshmoosh, A., Valenti, G. (2021). Constant-volume vapor-liquid equilibrium for thermal energy storage: Proposal of a new storage system for concentrated solar power plants. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 65, No. 2-4, pp. 271-278. <a href="https://doi.org/10.18280/ti-ijes.652-420">https://doi.org/10.18280/ti-ijes.652-420</a>
21	Pedrazzi, S., Morini, E., Nasti, M., Pizzileo, S., Muscio, A., Tartarini, P.	Increasing the Sustainability of a Fruits and Vegetables Market in South of Italy Through Combined Solar Power Production and Byproducts Valorization	byproducts, energy policy, food waste, solar energy, sustainability	65, 2-4, 279-284	<a href="https://doi.org/10.18280/ti-ijes.652-421">https://doi.org/10.18280/ti-ijes.652-421</a>	Pedrazzi, S., Morini, E., Nasti, M., Pizzileo, S., Muscio, A., Tartarini, P. (2021). Increasing the sustainability of a fruits and vegetables market in south of Italy through combined solar power production and byproducts valorization. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 65, No. 2-4, pp. 279-284. <a href="https://doi.org/10.18280/ti-ijes.652-421">https://doi.org/10.18280/ti-ijes.652-421</a>
22	Stefano, A., Roberta, A., Gagliano, A., Sciuto, G.	Opportunity for Revamping/Repowering of a Large Photovoltaic Plant in Sicily, a Case Study	photovoltaic plant, revamping, investments, incentives	65, 2-4, 285-291	<a href="https://doi.org/10.18280/ti-ijes.652-422">https://doi.org/10.18280/ti-ijes.652-422</a>	Stefano, A., Roberta, A., Gagliano, A., Sciuto, G. (2021). Opportunity for revamping/repowering of a large photovoltaic plant in Sicily, a case study. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 65, No. 2-4, pp. 285-291. <a href="https://doi.org/10.18280/ti-ijes.652-422">https://doi.org/10.18280/ti-ijes.652-422</a>
23	Branchetti, S., Petrovich, C., Nigliaccio, G., Paolucci, F.	The Lockdown and Smart Working Effects on Electric Energy Consumption: The Analysis for a Group of Employees	electric consumption, energy, load curve, lockdown, smart working	65, 2-4, 292-299	<a href="https://doi.org/10.18280/ti-ijes.652-423">https://doi.org/10.18280/ti-ijes.652-423</a>	Branchetti, S., Petrovich, C., Nigliaccio, G., Paolucci, F. (2021). The lockdown and smart working effects on electric energy consumption: The analysis for a group of employees. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 65, No. 2-4, pp. 292-299. <a href="https://doi.org/10.18280/ti-ijes.652-423">https://doi.org/10.18280/ti-ijes.652-423</a>
24	Stabile, L., Pacitto, A., Buonanno, G., Dell'Isola, M.	Ventilation System Operation to Minimize the COVID-19 Airborne Transmission in Schools	SARS-CoV-2, schools, ventilation, infection risk assessment, indoor	65, 2-4, 300-306	<a href="https://doi.org/10.18280/ti-ijes.652-424">https://doi.org/10.18280/ti-ijes.652-424</a>	Stabile, L., Pacitto, A., Buonanno, G., Dell'Isola, M. (2021). Ventilation system operation to minimize the COVID-19 airborne transmission in schools. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 65, No. 2-4, pp. 300-306. <a href="https://doi.org/10.18280/ti-ijes.652-424">https://doi.org/10.18280/ti-ijes.652-424</a>
25	D'Alessandro, V., Falone, M., Giammichele, L., Ricci, R.	Impact of Sodium Chloride Crystallization on Saliva Droplets Spreading	saliva droplets, crystallization kinetics, population balance equation, Eulerian-Lagrangian modeling	65, 2-4, 307-311	<a href="https://doi.org/10.18280/ti-ijes.652-425">https://doi.org/10.18280/ti-ijes.652-425</a>	D'Alessandro, V., Falone, M., Giammichele, L., Ricci, R. (2021). Impact of sodium chloride crystallization on saliva droplets spreading. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 65, No. 2-4, pp. 307-311. <a href="https://doi.org/10.18280/ti-ijes.652-425">https://doi.org/10.18280/ti-ijes.652-425</a>
26	Longo, S.S., Cellura, M., Cusenza, M.A., Guarino, F., Marotta, I.	Selecting Insulating Materials for Building Envelope: A Life Cycle Approach	building envelope, embodied energy, greenhouse gas emission, life cycle assessment	65, 2-4, 312-316	<a href="https://doi.org/10.18280/ti-ijes.652-426">https://doi.org/10.18280/ti-ijes.652-426</a>	Longo, S.S., Cellura, M., Cusenza, M.A., Guarino, F., Marotta, I. (2021). Selecting insulating materials for building envelope: A life cycle approach. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 65, No. 2-4, pp. 312-316. <a href="https://doi.org/10.18280/ti-ijes.652-426">https://doi.org/10.18280/ti-ijes.652-426</a>
27	Balocco, C., Petrone, G.L.	Microclimatic and Ventilation Conditions in Existing Healthcare Facilities. A Study in the Waiting Room-Testing Centre of a Florentine Historic Hospital	experimental monitoring, CFD, ventilation effectiveness, people health, historic hospital	65, 2-4, 317-323	<a href="https://doi.org/10.18280/ti-ijes.652-427">https://doi.org/10.18280/ti-ijes.652-427</a>	Balocco, C., Petrone, G.L. (2021). Microclimatic and ventilation conditions in existing healthcare facilities. A study in the waiting room-testing centre of a Florentine historic hospital. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 65, No. 2-4, pp. 317-323. <a href="https://doi.org/10.18280/ti-ijes.652-427">https://doi.org/10.18280/ti-ijes.652-427</a>
28	Costanzo, V., Evola, G., Gagliano, A., Marletta, L., Nocera, F.	Hygrothermal Analysis of CLT-Based Retrofit Strategy of Existing Wall Assemblies According to EN 13788 Standard	CLT panels, EN 13788 Standard, hygrothermal analysis, walls retrofit solutions	65, 2-4, 324-329	<a href="https://doi.org/10.18280/ti-ijes.652-428">https://doi.org/10.18280/ti-ijes.652-428</a>	Costanzo, V., Evola, G., Gagliano, A., Marletta, L., Nocera, F. (2021). Hygrothermal analysis of CLT-based retrofit strategy of existing wall assemblies according to EN 13788 standard. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 65, No. 2-4, pp. 324-329. <a href="https://doi.org/10.18280/ti-ijes.652-428">https://doi.org/10.18280/ti-ijes.652-428</a>
29	Lops, C., Germano, N., Matera, S., D'Alessandro, V., Montelpare, S.	CFD Modelling of Naturally Ventilated Double Skin Façades: Comparisons among 2D and 3D Models	CFD, double skin façade, natural convection, passive cooling, turbulence model	65, 2-4, 330-336	<a href="https://doi.org/10.18280/ti-ijes.652-429">https://doi.org/10.18280/ti-ijes.652-429</a>	Lops, C., Germano, N., Matera, S., D'Alessandro, V., Montelpare, S. (2021). CFD modelling of naturally ventilated Double Skin Façades: Comparisons among 2D and 3D models. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 65, No. 2-4, pp. 330-336. <a href="https://doi.org/10.18280/ti-ijes.652-429">https://doi.org/10.18280/ti-ijes.652-429</a>
30	Emmi, G., Natali, A., Cesari, S., Fausti, P., Bottarelli, M.	Use of an Outdoor Swimming Pool as Seasonal Heat Source in Heat Pump Applications	swimming pool, renewable sources, heat pump, TRNSYS, energy saving	65, 2-4, 337-344	<a href="https://doi.org/10.18280/ti-ijes.652-430">https://doi.org/10.18280/ti-ijes.652-430</a>	Emmi, G., Natali, A., Cesari, S., Fausti, P., Bottarelli, M. (2021). Use of an outdoor swimming pool as seasonal heat source in heat pump applications. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 65, No. 2-4, pp. 337-344. <a href="https://doi.org/10.18280/ti-ijes.652-430">https://doi.org/10.18280/ti-ijes.652-430</a>
31	Ciampi, G., Spanodimitriou, Y., Mokhtari, N., Scorpio, M., Rosato, A., Almeida, M., Sibillo, S.	Improving the Passive Energy Performance of the Buildings' Envelope in the Southern European Area: A Study on the Integration of a Tensile Material	tensile façade, building energy efficiency, second-skin façade, primary energy saving, TRNSYS	65, 2-4, 345-352	<a href="https://doi.org/10.18280/ti-ijes.652-431">https://doi.org/10.18280/ti-ijes.652-431</a>	Ciampi, G., Spanodimitriou, Y., Mokhtari, N., Scorpio, M., Rosato, A., Almeida, M., Sibillo, S. (2021). Improving the passive energy performance of the buildings' envelope in the southern European area: A study on the integration of a tensile material. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 65, No. 2-4, pp. 345-352. <a href="https://doi.org/10.18280/ti-ijes.652-431">https://doi.org/10.18280/ti-ijes.652-431</a>
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92	Bouradi, S., Araria, R., Negadi, K., Marignetti, F.	Nonlinear control of permanent magnet synchronous motor for high performances electric vehicle	electric vehicle control, battery, fuel cell, permanent magnet synchronous motor, sliding mode control, vector control	64, 2-4, 317-324	<a href="https://doi.org/10.18280/ti-ijes.642-429">https://doi.org/10.18280/ti-ijes.642-429</a>	Bouradi, S., Araria, R., Negadi, K., Marignetti, F. (2020). Nonlinear control of permanent magnet synchronous motor for high performances electric vehicle. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 64, No. 2-4, pp. 317-324. <a href="https://doi.org/10.18280/ti-ijes.642-429">https://doi.org/10.18280/ti-ijes.642-429</a>
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121	Sayyad, A.S., Shaikh, A.S.	Estimation of deflections in cantilever and fixed castellated beams with hexagonal, square and circular openings	castellated beams, experimental investigation, cantilever beam, fixed beam, torsional buckling, bending	64, 1, 118-127	<a href="https://doi.org/10.18280/ti-ijes.640118">https://doi.org/10.18280/ti-ijes.640118</a>	Sayyad, A.S., Shaikh, A.S. (2020). Estimation of deflections in cantilever and fixed castellated beams with hexagonal, square and circular openings. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 64, No. 1, pp. 118-127. <a href="https://doi.org/10.18280/ti-ijes.640118">https://doi.org/10.18280/ti-ijes.640118</a>
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123	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	<a href="https://doi.org/10.18280/ti-ijes.632402">https://doi.org/10.18280/ti-ijes.632402</a>	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. <a href="https://doi.org/10.18280/ti-ijes.632402">https://doi.org/10.18280/ti-ijes.632402</a>
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125	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	<a href="https://doi.org/10.18280/ti-ijes.632404">https://doi.org/10.18280/ti-ijes.632404</a>	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. <a href="https://doi.org/10.18280/ti-ijes.632404">https://doi.org/10.18280/ti-ijes.632404</a>
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127	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	<a href="https://doi.org/10.18280/ti-ijes.632406">https://doi.org/10.18280/ti-ijes.632406</a>	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. <a href="https://doi.org/10.18280/ti-ijes.632406">https://doi.org/10.18280/ti-ijes.632406</a>
128	Cucumo, M., Ferraro, V., Galloro, A., Gullo, D., Kaliakatsos, 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	<a href="https://doi.org/10.18280/ti-ijes.632407">https://doi.org/10.18280/ti-ijes.632407</a>	Cucumo, M., Ferraro, V., Galloro, A., Gullo, D., Kaliakatsos, 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. <a href="https://doi.org/10.18280/ti-ijes.632407">https://doi.org/10.18280/ti-ijes.632407</a>
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131	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 (ANN), Direct Torque Control (DTC), DC/DC Converters, DC/AC Inverter, Electric Vehicle (EV), Induction Motor (IM) Drives	63, 2-4, 181-188	<a href="https://doi.org/10.18280/ti-ijes.632410">https://doi.org/10.18280/ti-ijes.632410</a>	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. <a href="https://doi.org/10.18280/ti-ijes.632410">https://doi.org/10.18280/ti-ijes.632410</a>
132	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	<a href="https://doi.org/10.18280/ti-ijes.632411">https://doi.org/10.18280/ti-ijes.632411</a>	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. <a href="https://doi.org/10.18280/ti-ijes.632411">https://doi.org/10.18280/ti-ijes.632411</a>
133	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	<a href="https://doi.org/10.18280/ti-ijes.632412">https://doi.org/10.18280/ti-ijes.632412</a>	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. <a href="https://doi.org/10.18280/ti-ijes.632412">https://doi.org/10.18280/ti-ijes.632412</a>
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135	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	<a href="https://doi.org/10.18280/ti-ijes.632414">https://doi.org/10.18280/ti-ijes.632414</a>	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. <a href="https://doi.org/10.18280/ti-ijes.632414">https://doi.org/10.18280/ti-ijes.632414</a>
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143	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	<a href="https://doi.org/10.18280/ti-ijes.632-422">https://doi.org/10.18280/ti-ijes.632-422</a>	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. <a href="https://doi.org/10.18280/ti-ijes.632-422">https://doi.org/10.18280/ti-ijes.632-422</a>
144	Rubino, C., Bonet-Aracil, M., Liuzzi, S., Martelletta, 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	<a href="https://doi.org/10.18280/ti-ijes.632-423">https://doi.org/10.18280/ti-ijes.632-423</a>	Rubino, C., Bonet-Aracil, M., Liuzzi, S., Martelletta, 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. <a href="https://doi.org/10.18280/ti-ijes.632-423">https://doi.org/10.18280/ti-ijes.632-423</a>
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151	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	<a href="https://doi.org/10.18280/ti-ijes.632-430">https://doi.org/10.18280/ti-ijes.632-430</a>	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. <a href="https://doi.org/10.18280/ti-ijes.632-430">https://doi.org/10.18280/ti-ijes.632-430</a>
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153	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	<a href="https://doi.org/10.18280/ti-ijes.632-432">https://doi.org/10.18280/ti-ijes.632-432</a>	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. <a href="https://doi.org/10.18280/ti-ijes.632-432">https://doi.org/10.18280/ti-ijes.632-432</a>
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158	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	<a href="https://doi.org/10.18280/ti-ijes.632-437">https://doi.org/10.18280/ti-ijes.632-437</a>	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. <a href="https://doi.org/10.18280/ti-ijes.632-437">https://doi.org/10.18280/ti-ijes.632-437</a>
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180	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	<a href="https://doi.org/10.18280/ti-ijes.630108">https://doi.org/10.18280/ti-ijes.630108</a>	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. <a href="https://doi.org/10.18280/ti-ijes.630108">https://doi.org/10.18280/ti-ijes.630108</a>
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182	Chabane, F., Khadraoui Z., Bensahal 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	<a href="https://doi.org/10.18280/ti-ijes.630110">https://doi.org/10.18280/ti-ijes.630110</a>	Chabane, F., Khadraoui Z., Bensahal 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. <a href="https://doi.org/10.18280/ti-ijes.630110">https://doi.org/10.18280/ti-ijes.630110</a>
183	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	<a href="https://doi.org/10.18280/ti-ijes.630111">https://doi.org/10.18280/ti-ijes.630111</a>	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. <a href="https://doi.org/10.18280/ti-ijes.630111">https://doi.org/10.18280/ti-ijes.630111</a>
184	Trifirò, F.	Fuels from Biomass	biofuels, biomethan, biodiesel, bioethanol, biobutanol, biohydrogen	63, 1, 86-93	<a href="https://doi.org/10.18280/ti-ijes.630112">https://doi.org/10.18280/ti-ijes.630112</a>	Trifirò, F. (2019). Fuels from Biomass. <i>TECNICA ITALIANA-Italian Journal of Engineering Science</i> , Vol. 63, No. 1, pp. 86-93. <a href="https://doi.org/10.18280/ti-ijes.630112">https://doi.org/10.18280/ti-ijes.630112</a>
185	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	<a href="https://doi.org/10.18280/ti-ijes.630113">https://doi.org/10.18280/ti-ijes.630113</a>	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. <a href="https://doi.org/10.18280/ti-ijes.630113">https://doi.org/10.18280/ti-ijes.630113</a>
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188	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 <sub>2</sub> Emissions, formic acid cycle, ecologization of energy generation	61+1, 2, 49-54	<a href="https://doi.org/10.18280/ti-ijes.620201">https://doi.org/10.18280/ti-ijes.620201</a>	Gotovsky, M., Gotovsky, A., Mikhailov, V., 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. <a href="https://doi.org/10.18280/ti-ijes.620201">https://doi.org/10.18280/ti-ijes.620201</a>
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194	Fracastoro, G.V.	Being the energy manager in a technical university	energy manager, building retrofit, renewable energy, sustainable campus	61+1, 2, 97-101	<a href="https://doi.org/10.18280/ti-ijes.620207">https://doi.org/10.18280/ti-ijes.620207</a>	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. <a href="https://doi.org/10.18280/ti-ijes.620207">https://doi.org/10.18280/ti-ijes.620207</a>

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