

Ciclo XXXIV

Dott.ssa Maria Francesca Panzera

- C. Marino, A. Nucara, M.F. Panzera, M. Pietrafesa, V. Varano - Energetic and economic analysis of a stand-alone photovoltaic system with hydrogen storage. *Renewable Energy*, Volume 142, November 2019, pp. 316-329. DOI: 10.1016/j.renene.2019.04.079
- C. Marino, A. Nucara, M.F. Panzera, M. Pietrafesa - Towards the nearly zero and the plus energy building: primary energy balances and economic evaluations. *Thermal Science and Engineering Progress*, Volume 13, October 2019. DOI: 10.1016/j.tsep.2019.100400
- R. Carbone, C. Marino, A. Nucara, M.F. Panzera, M. Pietrafesa - Electric Load Influence on Performances of a Composite Plant for Hydrogen Production from RES and its Conversion in Electricity. *Sustainability*, Volume 11, Art. 6362, November 2019. DOI: 10.3390/su11226362
- C. Marino, C. Monterosso, A. Nucara, M. F. Panzera, M. Pietrafesa - Analysis of the Reduction of Pollutant Emissions by the Vehicle Fleet of the City of Reggio Calabria Due to the Introduction of Ecological Vehicles. *Sustainability*, Volume 12, Issue 7, Art. 2877, April 2020. DOI: 10.3390/su12072877
- C. Marino, A. Nucara, M.F. Panzera, M. Pietrafesa, A. Pudano - Economic Comparison Between a Stand-Along and a Grid Connected PV System vs. Grid Distance. *Energies*, Volume 13, Issue 15, Art. 3846, July 2020. DOI: 10.3390/en13153846
- C. Marino, A. Nucara, M.F. Panzera, A. Piccolo, M. Pietrafesa - Economical Comparison among Technical Solutions for Thermal Energy Production in Buildings Based on both Conventional and Solar RES Systems. *Smart Innovation, Systems and Technologies*, Vol. 178, pp. 1433 – 1447 (2021). DOI: 10.1007/978-3-030-48279-4_134
- M. La Gennusa, C. Marino, A. Nucara, M. F. Panzera, M. Pietrafesa - Insulating building components made from a mixture of waste and natural materials. Thermal characterization of nine new structures. *Sustainability*, Vol. 13, Art. 13820 (2021). DOI: 10.3390/su132413820
- C. Marino, A. Nucara, M. F. Panzera, M. Pietrafesa - Greenhouse gas balance in the city of Reggio Calabria and assessment of the effects of measures of emission reduction and absorption. *Sottomesso a Environmental Science and Policy*
- C. Marino, A. Nucara, M. F. Panzera, M. Pietrafesa - Assessment of the road traffic air pollution in urban contexts: a statistical approach. *Sottomesso a Sustainable Cities and Society*
- M. T. Caccamo, F. Colombo, M. Coltelli, S. Magazù, C. Marino, F. Navarra, A. Nucara, M. F. Panzera, M. Perotti, F. Pucciarini - Design and construction of an innovative prototype of UAV powered by hydrogen fuel cell for environmental monitoring in the upper atmosphere. *Sottomesso a International Journal of Hydrogen Energy*
- C. Marino, C. Monterosso, A. Nucara, M.F. Panzera, M. Pietrafesa - Analysis of the reduction of pollutant emissions by the vehicle fleet of the city of Reggio Calabria due to the introduction of electric vehicles. *Atti del convegno 4th AIGE/IIETA International Conference and 13th AIGE 2019 Conference “Energy Conversion, Management, Recovery, Saving, Storage and Renewable Systems” (Matera 13-14/06/2019)*.
- A. Campione, C. Marino, A. Nucara, M.F. Panzera, M. Pietrafesa - Cost optimal analysis of thermal production in buildings: a comparison among technical solutions based on conventional and solar RES systems. *Proceedings del 14th SDEWES (Sustainable Development of Energy, Water and Environment Systems) Conference (Dubrovnik, 1-6/10/2019)*
- K. Fabbri, L. Tronchin, F. Barbieri, F. Merli, M. Manfren, M. La Gennusa, G. Peri, L. Cirrincione, M.F. Panzera - On the hygrothermal behaviour of coconuts fibre insulators on green roofs. *Proceedings del 20th EEEIC (International Conference on Environment and Electrical Engineering) – Madrid, 09-12 June 2020 (Spain)*. DOI: 10.1109/EEEIC/ICPSEurope49358.2020.9160779
- G. Evola, V. Costanzo, M. Infantone, C. Marino, M.F. Panzera, L. Marletta - Upgrading weather datasets for building energy simulation: a preliminary investigation. *Proceedings del 20th EEEIC (International Conference on Environment and Electrical Engineering) – Madrid, 09-12 June 2020 (Spain)*. DOI: 10.1109/EEEIC/ICPSEurope49358.2020.9160743
- K. Fabbri, L. Tronchin, F. Merli, G. Baio, A. Gagliano, M.F. Panzera, L. Marletta, M. Cairolì - Thermal insulation of existing buildings and interstitial condensation: comparative assessment in different European climate contexts. *Proceedings del 20th EEEIC (International Conference on Environment and Electrical Engineering) – Madrid, 09-12 June 2020 (Spain)*. DOI: 10.1109/EEEIC/ICPSEurope49358.2020.9160583
- G. Evola, L. Marletta, C. Marino, A. Nucara, M.F. Panzera, M. Pietrafesa, A.M. Taveriti, L. Tronchin - Experimental measurement of thermal transmittance in reinforced concrete buildings. *Proceedings del 20th EEEIC (International Conference on Environment and Electrical Engineering) – Madrid, 09-12 June 2020 (Spain)*. DOI: 10.1109/EEEIC/ICPSEurope49358.2020.9160520
- C. Marino, A. Nucara, M.F. Panzera, A. Piccolo, M. Pietrafesa - Economical Comparison among Technical Solutions for Thermal Energy Production in Buildings Based on both Conventional and Solar RES Systems. *Proceedings del New Metropolitan Perspectives – 4th International Symposium – Reggio Calabria, 26-28 May 2020 (Vol. 178)*. DOI: 10.1007/978-3-030-48279-4_134

- V. Barrile, A. Fotia, M.F. Panzera - No-Destructive Analysis: 3D Modeling by Thermography for Cultural Heritage. Proceedings del New Metropolitan Perspectives – 4th International Symposium – Reggio Calabria, 26-28 May 2020 (Vol. 178). DOI: 10.1007/978-3-030-48279-4_146
- C. Marino, A. Nucara, M.F. Panzera, M. Pietrafesa, F. Suraci - From condominium to energy community: energy and economic advantages with application to a case study. Sottomesso alla 5th Edition of the International Symposium "NEW METROPOLITAN PERSPECTIVES", Reggio Calabria, May 25-27, 2022
- C. Marino, A. Nucara, M.F. Panzera, M. Pietrafesa, A. Votano – Energy requalification of a neighborhood of Reggio Calabria with a view to an energy district. Sottomesso alla 5th Edition of the International Symposium "NEW METROPOLITAN PERSPECTIVES", Reggio Calabria, May 25-27, 2022
- C. Marino, A. Nucara, M.F. Panzera, M. Pietrafesa - Design and construction of a UAV for high atmosphere flight powered by hydrogen fuel cell. Sottomesso a 7th AIGE/IIETA International Conference and 16th AIGE 2022 Conference – Parma, June 8-9, 2022