

# Francesco L Cappiello

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

600  
citations

586496

16  
h-index

685536

24  
g-index

25  
all docs

25  
docs citations

25  
times ranked

477  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polygeneration. , 2022, , 1-33.		4
2	A solar-driven 5th generation district heating and cooling network with ground-source heat pumps: a thermo-economic analysis. Sustainable Cities and Society, 2022, 76, 103438.	5.1	41
3	A novel smart energy network paradigm integrating combined heat and power, photovoltaic and electric vehicles. Energy Conversion and Management, 2022, 260, 115599.	4.4	18
4	Thermoeconomic Analysis of Biomethane Production Plants: A Dynamic Approach. Sustainability, 2022, 14, 5744.	1.6	8
5	Dynamic modelling and thermoeconomic analysis for the energy refurbishment of the Italian building sector: Case study for the "Superbonus 110 %" funding strategy. Applied Thermal Engineering, 2022, 213, 118689.	3.0	10
6	Analysis of the Influence of Temperature on the Anaerobic Digestion Process in a Plug Flow Reactor. Thermo, 2022, 2, 92-106.	0.6	2
7	Optimal design of a 5th generation district heating and cooling network based on seawater heat pumps. Energy Conversion and Management, 2022, 267, 115912.	4.4	18
8	Energy and Economic Assessment of Energy Efficiency Options for Energy Districts: Case Studies in Italy and Egypt. Energies, 2021, 14, 1012.	1.6	16
9	Smart grid energy district based on the integration of electric vehicles and combined heat and power generation. Energy Conversion and Management, 2021, 234, 113932.	4.4	36
10	Modular cogeneration for hospitals: A novel control strategy and optimal design. Energy Conversion and Management, 2021, 237, 114131.	4.4	10
11	Concentrating photovoltaic/thermal collectors coupled with an anaerobic digestion process: Dynamic simulation and energy and economic analysis. Journal of Cleaner Production, 2021, 311, 127363.	4.6	17
12	A Review of the State of the Art of Biomethane Production: Recent Advancements and Integration of Renewable Energies. Energies, 2021, 14, 4895.	1.6	17
13	Thermo-economic optimization of a novel hybrid renewable trigeneration plant. Renewable Energy, 2021, 175, 532-549.	4.3	31
14	Heat metering for residential buildings: A novel approach through dynamic simulations for the calculation of energy and economic savings. Energy, 2021, 234, 121204.	4.5	19
15	Dynamic Simulation and Thermoeconomic Analysis of a Hybrid Renewable System Based on PV and Fuel Cell Coupled with Hydrogen Storage. Energies, 2021, 14, 7657.	1.6	11
16	Dynamic simulation, energy and economic comparison between BIPV and BIPVT collectors coupled with micro-wind turbines. Energy, 2020, 191, 116439.	4.5	42
17	Dynamic Simulation and Thermoeconomic Analysis of a Trigeneration System in a Hospital Application. Energies, 2020, 13, 3558.	1.6	10
18	Energy and economic analysis of a small hybrid solar-geothermal trigeneration system: A dynamic approach. Energy, 2020, 208, 118295.	4.5	44

#	ARTICLE	IF	CITATIONS
19	Thermo-Economic Analysis of Hybrid Solar-Geothermal Polygeneration Plants in Different Configurations. <i>Energies</i> , 2020, 13, 2391.	1.6	14
20	Energy efficiency in small districts: Dynamic simulation and technoeconomic analysis. <i>Energy Conversion and Management</i> , 2020, 220, 113022.	4.4	38
21	Water-energy nexus: A thermoeconomic analysis of polygeneration systems for small Mediterranean islands. <i>Energy Conversion and Management</i> , 2020, 220, 113043.	4.4	21
22	Dynamic modelling and thermoeconomic analysis of micro wind turbines and building integrated photovoltaic panels. <i>Renewable Energy</i> , 2020, 160, 633-652.	4.3	35
23	Modeling of the Anaerobic Digestion of Organic Wastes: Integration of Heat Transfer and Biochemical Aspects. <i>Energies</i> , 2020, 13, 2702.	1.6	24
24	Economic assessment of renewable energy systems integrating photovoltaic panels, seawater desalination and water storage. <i>Applied Energy</i> , 2019, 253, 113575.	5.1	59
25	A novel paradigm for a sustainable mobility based on electric vehicles, photovoltaic panels and electric energy storage systems: Case studies for Naples and Salerno (Italy). <i>Renewable and Sustainable Energy Reviews</i> , 2019, 111, 97-114.	8.2	55