Francesco L Cappiello

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/618604/publications.pdf

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25	600	516710	610901
papers	citations	16	24
		h-index	g-index

25	25	25	410
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Economic assessment of renewable energy systems integrating photovoltaic panels, seawater desalination and water storage. Applied Energy, 2019, 253, 113575.	10.1	59
2	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). Renewable and Sustainable Energy Reviews, 2019, 111, 97-114.	16.4	55
3	Energy and economic analysis of a small hybrid solar-geothermal trigeneration system: A dynamic approach. Energy, 2020, 208, 118295.	8.8	44
4	Dynamic simulation, energy and economic comparison between BIPV and BIPVT collectors coupled with micro-wind turbines. Energy, 2020, 191, 116439.	8.8	42
5	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.	10.4	41
6	Energy efficiency in small districts: Dynamic simulation and technoeconomic analysis. Energy Conversion and Management, 2020, 220, 113022.	9.2	38
7	Smart grid energy district based on the integration of electric vehicles and combined heat and power generation. Energy Conversion and Management, 2021, 234, 113932.	9.2	36
8	Dynamic modelling and thermoeconomic analysis of micro wind turbines and building integrated photovoltaic panels. Renewable Energy, 2020, 160, 633-652.	8.9	35
9	Thermo-economic optimization of a novel hybrid renewable trigeneration plant. Renewable Energy, 2021, 175, 532-549.	8.9	31
10	Modeling of the Anaerobic Digestion of Organic Wastes: Integration of Heat Transfer and Biochemical Aspects. Energies, 2020, 13, 2702.	3.1	24
11	Water-energy nexus: A thermoeconomic analysis of polygeneration systems for small Mediterranean islands. Energy Conversion and Management, 2020, 220, 113043.	9.2	21
12	Heat metering for residential buildings: A novel approach through dynamic simulations for the calculation of energy and economic savings. Energy, 2021, 234, 121204.	8.8	19
13	A novel smart energy network paradigm integrating combined heat and power, photovoltaic and electric vehicles. Energy Conversion and Management, 2022, 260, 115599.	9.2	18
14	Optimal design of a 5th generation district heating and cooling network based on seawater heat pumps. Energy Conversion and Management, 2022, 267, 115912.	9.2	18
15	Concentrating photovoltaic/thermal collectors coupled with an anaerobic digestion process: Dynamic simulation and energy and economic analysis. Journal of Cleaner Production, 2021, 311, 127363.	9.3	17
16	A Review of the State of the Art of Biomethane Production: Recent Advancements and Integration of Renewable Energies. Energies, 2021, 14, 4895.	3.1	17
17	Energy and Economic Assessment of Energy Efficiency Options for Energy Districts: Case Studies in Italy and Egypt. Energies, 2021, 14, 1012.	3.1	16
18	Thermo-Economic Analysis of Hybrid Solar-Geothermal Polygeneration Plants in Different Configurations. Energies, 2020, 13, 2391.	3.1	14

#	Article	IF	Citations
19	Dynamic Simulation and Thermoeconomic Analysis of a Hybrid Renewable System Based on PV and Fuel Cell Coupled with Hydrogen Storage. Energies, 2021, 14, 7657.	3.1	11
20	Dynamic Simulation and Thermoeconomic Analysis of a Trigeneration System in a Hospital Application. Energies, 2020, 13, 3558.	3.1	10
21	Modular cogeneration for hospitals: A novel control strategy and optimal design. Energy Conversion and Management, 2021, 237, 114131.	9.2	10
22	Dynamic modelling and thermoeconomic analysis for the energy refurbishment of the Italian building sector: Case study for the â€œSuperbonus 110 %â€•funding strategy. Applied Thermal Engineering, 2022, 213, 118689.	6.0	10
23	Thermoeconomic Analysis of Biomethane Production Plants: A Dynamic Approach. Sustainability, 2022, 14, 5744.	3.2	8
24	Polygeneration. , 2022, , 1-33.		4
25	Analysis of the Influence of Temperature on the Anaerobic Digestion Process in a Plug Flow Reactor. Thermo, 2022, 2, 92-106.	1.3	2