

Guido Francesco Frate

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

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citations

840119

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794141

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24
all docs

24
docs citations

24
times ranked

394
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of wind speed distribution and management strategy on hydrogen production from wind energy. Energy, 2022, 256, 124636.	4.5	14
2	Energy storage for grid-scale applications: Technology review and economic feasibility analysis. Renewable Energy, 2021, 163, 1754-1772.	4.3	70
3	Performance analysis of a Brayton Pumped Thermal Electricity Storage (PTES) with a liquid sensible heat storage. E3S Web of Conferences, 2021, 238, 10007.	0.2	1
4	Mini-grid hybridization and demand side management on non-interconnected small islands: the case study of Ustica, Italy. E3S Web of Conferences, 2021, 238, 02008.	0.2	0
5	ORC Optimal Design through Clusterization for Waste Heat Recovery in Anaerobic Digestion Plants. Applied Sciences (Switzerland), 2021, 11, 2762.	1.3	5
6	Off-Design of a Pumped Thermal Energy Storage Based on Closed Brayton Cycles. , 2021, , .		1
7	Off-Design of a Pumped Thermal Energy Storage Based On Closed Brayton Cycles. Journal of Engineering for Gas Turbines and Power, 2021, , .	0.5	1
8	Rankine Carnot Batteries with the Integration of Thermal Energy Sources: A Review. Energies, 2020, 13, 4766.	1.6	47
9	Carnot battery technology: A state-of-the-art review. Journal of Energy Storage, 2020, 32, 101756.	3.9	137
10	Multi-criteria investigation of a pumped thermal electricity storage (PTES) system with thermal integration and sensible heat storage. Energy Conversion and Management, 2020, 208, 112530.	4.4	66
11	Multi-Criteria Economic Analysis of a Pumped Thermal Electricity Storage (PTES) With Thermal Integration. Frontiers in Energy Research, 2020, 8, .	1.2	32
12	Impact of Forecast Uncertainty on Wind Farm Profitability. Journal of Engineering for Gas Turbines and Power, 2020, 142, .	0.5	5
13	Feasibility analysis of a hybrid auxiliary power unit for pleasure boats. E3S Web of Conferences, 2020, 197, 05005.	0.2	0
14	Ramp rate abatement for wind power plants: A techno-economic analysis. Applied Energy, 2019, 254, 113600.	5.1	19
15	Ramp rate abatement for wind energy integration in microgrids. Energy Procedia, 2019, 159, 292-297.	1.8	2
16	A simplified model for the prediction of energy consumption in large-scale commercial activities. AIP Conference Proceedings, 2019, , .	0.3	0
17	Critical review and economic feasibility analysis of electric energy storage technologies suited for grid scale applications. E3S Web of Conferences, 2019, 137, 01037.	0.2	11
18	Steam expander as a throttling valve replacement in industrial plants: A techno-economic feasibility analysis. Applied Energy, 2019, 238, 11-21.	5.1	11

#	ARTICLE	IF	CITATIONS
19	Analysis of suitability ranges of high temperature heat pump working fluids. Applied Thermal Engineering, 2019, 150, 628-640.	3.0	64
20	Impact of Forecast Uncertainty on Wind Farm Profitability. , 2019, , .		0
21	Techno-economic sizing of a battery energy storage coupled to a wind farm: an Italian case study. Energy Procedia, 2018, 148, 447-454.	1.8	20
22	Power-to-Gas: Analysis of potential decarbonization of Spanish electrical system in long-term prospective. Energy, 2018, 159, 656-668.	4.5	28
23	Energy and economic savings through a plant supervised management in large-scale commercial activities. Applied Thermal Engineering, 2018, 141, 269-279.	3.0	8
24	A novel Pumped Thermal Electricity Storage (PTES) system with thermal integration. Applied Thermal Engineering, 2017, 121, 1051-1058.	3.0	87