# Guido Francesco Frate

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8816151/publications.pdf

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| 24 | 629 | 840776 11 | 794594 19 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 24 | 24 | 24 | 394 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Impact of wind speed distribution and management strategy on hydrogen production from wind energy. Energy, 2022, 256, 124636. | 8.8 | 14 |
| 2 | Energy storage for grid-scale applications: Technology review and economic feasibility analysis. Renewable Energy, 2021, 163, 1754-1772. | 8.9 | 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. | 0.5 | 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. | 0.5 | 0 |
| 5 | ORC Optimal Design through Clusterization for Waste Heat Recovery in Anaerobic Digestion Plants. Applied Sciences (Switzerland), 2021, 11, 2762. | 2.5 | 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, , . | 1.1 | 1 |
| 8 | Rankine Carnot Batteries with the Integration of Thermal Energy Sources: A Review. Energies, 2020, 13, 4766. | 3.1 | 47 |
| 9 | Carnot battery technology: A state-of-the-art review. Journal of Energy Storage, 2020, 32, 101756. | 8.1 | 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. | 9.2 | 66 |
| 11 | Multi-Criteria Economic Analysis of a Pumped Thermal Electricity Storage (PTES) With Thermal Integration. Frontiers in Energy Research, 2020, 8, . | 2.3 | 32 |
| 12 | Impact of Forecast Uncertainty on Wind Farm Profitability. Journal of Engineering for Gas Turbines and Power, 2020, 142, . | 1.1 | 5 |
| 13 | Feasibility analysis of a hybrid auxiliary power unit for pleasure boats. E3S Web of Conferences, 2020, 197, 05005. | 0.5 | 0 |
| 14 | Ramp rate abatement for wind power plants: A techno-economic analysis. Applied Energy, 2019, 254, 113600. | 10.1 | 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, , . | 0.4 | 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. | 0.5 | 11 |
| 18 | Steam expander as a throttling valve replacement in industrial plants: A techno-economic feasibility analysis. Applied Energy, 2019, 238, 11-21. | 10.1 | 11 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Analysis of suitability ranges of high temperature heat pump working fluids. Applied Thermal Engineering, 2019, 150, 628-640. | 6.0 | 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. | 8.8 | 28 |
| 23 | Energy and economic savings through a plant supervised management in large-scale commercial activities. Applied Thermal Engineering, 2018, 141, 269-279. | 6.0 | 8 |
| 24 | A novel Pumped Thermal Electricity Storage (PTES) system with thermal integration. Applied Thermal Engineering, 2017, 121, 1051-1058. | 6.0 | 87 |