

Giulio Guandalini

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9302829/publications.pdf>

Version: 2024-02-01

21
papers

844
citations

687220

13
h-index

794469

19
g-index

22
all docs

22
docs citations

22
times ranked

995
citing authors

#	ARTICLE	IF	CITATIONS
1	Power-to-gas plants and gas turbines for improved wind energy dispatchability: Energy and economic assessment. Applied Energy, 2015, 147, 117-130.	5.1	261
2	Dynamic modeling of natural gas quality within transport pipelines in presence of hydrogen injections. Applied Energy, 2017, 185, 1712-1723.	5.1	116
3	Long-term power-to-gas potential from wind and solar power: A country analysis for Italy. International Journal of Hydrogen Energy, 2017, 42, 13389-13406.	3.8	95
4	Modelling the integrated power and transport energy system: The role of power-to-gas and hydrogen in long-term scenarios for Italy. Energy, 2018, 154, 592-601.	4.5	79
5	Modeling an alkaline electrolysis cell through reduced-order and loss-estimate approaches. Journal of Power Sources, 2014, 269, 203-211.	4.0	57
6	Comparative assessment and safety issues in state-of-the-art hydrogen production technologies. International Journal of Hydrogen Energy, 2016, 41, 18901-18920.	3.8	44
7	A sequential approach for the economic evaluation of new CO2 capture technologies for power plants. International Journal of Greenhouse Gas Control, 2019, 84, 219-231.	2.3	27
8	Design of hybrid power-to-power systems for continuous clean PV-based energy supply. International Journal of Hydrogen Energy, 2021, 46, 13691-13708.	3.8	23
9	Energy performance and well-to-wheel analysis of different powertrain solutions for freight transportation. International Journal of Hydrogen Energy, 2020, 45, 12535-12554.	3.8	20
10	Dynamic Quality Tracking of Natural Gas and Hydrogen Mixture in a Portion of Natural Gas Grid. Energy Procedia, 2015, 75, 1037-1043.	1.8	18
11	Flexible Power & Biomass-to-Methanol plants: Design optimization and economic viability of the electrolysis integration. Fuel, 2022, 310, 122113.	3.4	18
12	Modeling, Development, and Testing of a 2 MW Polymeric Electrolyte Membrane Fuel Cell Plant Fueled With Hydrogen From a Chlor-Alkali Industry. Journal of Electrochemical Energy Conversion and Storage, 2019, 16, .	1.1	15
13	The Potential of Power and Biomass-to-X Systems in the Decarbonization Challenge: a Critical Review. Current Sustainable/Renewable Energy Reports, 2021, 8, 242-252.	1.2	15
14	Flexible Power and Biomass-To-Methanol Plants With Different Gasification Technologies. Frontiers in Energy Research, 2022, 9, .	1.2	14
15	â€œPotential carbon efficiencyâ€•as a new index to track the performance of biofuels production processes. Biomass and Bioenergy, 2020, 142, 105618.	2.9	12
16	Preliminary Design and Performance Assessment of an Underwater Compressed Air Energy Storage System for Wind Power Balancing. Journal of Engineering for Gas Turbines and Power, 2020, 142, .	0.5	9
17	Well-to-wheel driving cycle simulations for freight transportation: battery and hydrogen fuel cell electric vehicles. , 2018, , .		7
18	Fuel cells: opportunities and challenges. Studies in Surface Science and Catalysis, 2020, , 335-358.	1.5	4

#	ARTICLE	IF	CITATIONS
19	Comparison of Gas Turbines and Power-to-Gas Plants for Improved Wind Park Energy Dispatchability. , 2014, , .		3
20	Wind Power Plant and Power-to-Gas System Coupled With Natural Gas Grid Infrastructure: Techno-Economic Optimization of Operation. , 2015, , .		3
21	Sizing and operation of energy storage by Power-to-Gas and Underwater Compressed Air systems applied to offshore wind power generation. E3S Web of Conferences, 2021, 312, 01007.	0.2	3