

Paolo Colbertaldo

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

488
citations

1040056

9
h-index

1281871

11
g-index

15
all docs

15
docs citations

15
times ranked

550
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of hydrogen energy storage on California electric power system: Towards 100% renewable electricity. International Journal of Hydrogen Energy, 2019, 44, 9558-9576.	7.1	154
2	Dynamic modeling of natural gas quality within transport pipelines in presence of hydrogen injections. Applied Energy, 2017, 185, 1712-1723.	10.1	116
3	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.	8.8	79
4	Enhancement of energy generation efficiency in industrial facilities by SOFC " SOEC systems with additional hydrogen production. International Journal of Hydrogen Energy, 2019, 44, 9608-9620.	7.1	35
5	Zero-dimensional dynamic modeling of PEM electrolyzers. Energy Procedia, 2017, 142, 1468-1473.	1.8	26
6	Design of hybrid power-to-power systems for continuous clean PV-based energy supply. International Journal of Hydrogen Energy, 2021, 46, 13691-13708.	7.1	23
7	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
8	Clean mobility infrastructure and sector integration in long-term energy scenarios: The case of Italy. Renewable and Sustainable Energy Reviews, 2020, 133, 110086.	16.4	15
9	Development of a multi-modality hydrogen delivery infrastructure: An optimization model for design and operation. Energy Conversion and Management, 2022, 266, 115650.	9.2	13
10	10 Renewable power-to-hydrogen systems and sector coupling power-mobility. , 2021, , 381-400.		3
11	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.	0.5	3
12	Development of benchmark scenarios for sector coupling in the Italian national energy system for 100% RES supply to power and mobility. E3S Web of Conferences, 2021, 312, 01003.	0.5	2
13	Balancing a High-Renewables Electric Grid With Hydrogen-Fuelled Combined Cycles: A Country Scale Analysis. , 2020, , .		1
14	Economic Analysis of Power & CO2-to-Methanol Systems for the Abatement of CO2 Emissions From an Industrial Plant. SSRN Electronic Journal, 0, , .	0.4	0
15	Simulation of the HiPowAR power generation system for steam-nitrogen expansion after ammonia oxidation in a high-pressure oxygen membrane reactor. E3S Web of Conferences, 2021, 312, 08016.	0.5	0