

Paolo Colbertaldo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5838991/publications.pdf>

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	Development of a multi-modality hydrogen delivery infrastructure: An optimization model for design and operation. <i>Energy Conversion and Management</i> , 2022, 266, 115650.	9.2	13
2	Design of hybrid power-to-power systems for continuous clean PV-based energy supply. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 13691-13708.	7.1	23
3	10 Renewable power-to-hydrogen systems and sector coupling power-mobility. , 2021, , 381-400.		3
4	Sizing and operation of energy storage by Power-to-Gas and Underwater Compressed Air systems applied to offshore wind power generation. <i>E3S Web of Conferences</i> , 2021, 312, 01007.	0.5	3
5	Simulation of the HiPowAR power generation system for steam-nitrogen expansion after ammonia oxidation in a high-pressure oxygen membrane reactor. <i>E3S Web of Conferences</i> , 2021, 312, 08016.	0.5	0
6	Development of benchmark scenarios for sector coupling in the Italian national energy system for 100% RES supply to power and mobility. <i>E3S Web of Conferences</i> , 2021, 312, 01003.	0.5	2
7	Clean mobility infrastructure and sector integration in long-term energy scenarios: The case of Italy. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 133, 110086.	16.4	15
8	Balancing a High-Renewables Electric Grid With Hydrogen-Fuelled Combined Cycles: A Country Scale Analysis. , 2020, , .		1
9	Enhancement of energy generation efficiency in industrial facilities by SOFC & SOEC systems with additional hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 9608-9620.	7.1	35
10	Impact of hydrogen energy storage on California electric power system: Towards 100% renewable electricity. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 9558-9576.	7.1	154
11	Modelling the integrated power and transport energy system: The role of power-to-gas and hydrogen in long-term scenarios for Italy. <i>Energy</i> , 2018, 154, 592-601.	8.8	79
12	Dynamic modeling of natural gas quality within transport pipelines in presence of hydrogen injections. <i>Applied Energy</i> , 2017, 185, 1712-1723.	10.1	116
13	Zero-dimensional dynamic modeling of PEM electrolyzers. <i>Energy Procedia</i> , 2017, 142, 1468-1473.	1.8	26
14	Dynamic Quality Tracking of Natural Gas and Hydrogen Mixture in a Portion of Natural Gas Grid. <i>Energy Procedia</i> , 2015, 75, 1037-1043.	1.8	18
15	Economic Analysis of Power & CO ₂ -to-Methanol Systems for the Abatement of CO ₂ Emissions From an Industrial Plant. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0