

Hans Meerman

List of Publications by Year in descending order

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21
papers

742
citations

623574

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713332

21
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22
all docs

22
docs citations

22
times ranked

829
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative life cycle assessment of biomass co-firing plants with carbon capture and storage. Applied Energy, 2014, 131, 441-467.	5.1	100
2	Techno-economic assessment of CO ₂ capture at steam methane reforming facilities using commercially available technology. International Journal of Greenhouse Gas Control, 2012, 9, 160-171.	2.3	85
3	Performance of simulated flexible integrated gasification polygeneration facilities. Part A: A technical-energetic assessment. Renewable and Sustainable Energy Reviews, 2011, 15, 2563-2587.	8.2	81
4	Performance of simulated flexible integrated gasification polygeneration facilities, Part B: Economic evaluation.. Renewable and Sustainable Energy Reviews, 2012, 16, 6083-6102.	8.2	79
5	Comprehensive review of current natural gas liquefaction processes on technical and economic performance. Applied Thermal Engineering, 2020, 166, 114736.	3.0	71
6	Assessing deployment pathways for greenhouse gas emissions reductions in an industrial plant – A case study for a complex oil refinery. Applied Energy, 2019, 236, 354-378.	5.1	51
7	Technical and economic prospects of coal- and biomass-fired integrated gasification facilities equipped with CCS over time. International Journal of Greenhouse Gas Control, 2013, 16, 311-323.	2.3	44
8	Optimization potential of biomass supply chains with torrefaction technology. Biofuels, Bioproducts and Biorefining, 2014, 8, 253-282.	1.9	42
9	Future technological and economic performance of IGCC and FT production facilities with and without CO ₂ capture: Combining component based learning curve and bottom-up analysis. International Journal of Greenhouse Gas Control, 2013, 16, 287-310.	2.3	32
10	Technical and economic optimization of expander-based small-scale natural gas liquefaction processes with absorption precooling cycle. Energy, 2020, 191, 116592.	4.5	24
11	Assessing bio-oil processing routes as CO ₂ mitigation strategies in oil refineries. Biofuels, Bioproducts and Biorefining, 2021, 15, 305-333.	1.9	24
12	Explorative economic analysis of a novel biogas upgrading technology using carbon mineralization. A case study for Spain. Energy, 2015, 79, 298-309.	4.5	18
13	Improving the analytical framework for quantifying technological progress in energy technologies. Renewable and Sustainable Energy Reviews, 2021, 145, 111084.	8.2	17
14	Potential role of natural gas infrastructure in China to supply low-carbon gases during 2020–2050. Applied Energy, 2022, 306, 117989.	5.1	15
15	Techno-economic and life cycle greenhouse gas emissions assessment of liquefied natural gas supply chain in China. Energy, 2021, 224, 120049.	4.5	13
16	Harmonized comparison of virgin steel production using biomass with carbon capture and storage for negative emissions. International Journal of Greenhouse Gas Control, 2021, 112, 103519.	2.3	13
17	The Techno-Economic Potential of Integrated Gasification Co-Generation Facilities with CCS Going from Coal to Biomass. Energy Procedia, 2013, 37, 6053-6061.	1.8	11
18	Fully integrated CO ₂ mitigation strategy for an existing refinery: A case study in Colombia. Applied Energy, 2022, 313, 118771.	5.1	10

#	ARTICLE	IF	CITATIONS
19	Technological progress observed for fixed-bottom offshore wind in the EU and UK. Technological Forecasting and Social Change, 2022, 182, 121856.	6.2	6
20	Flexible integrated gasification co-generation facilities A technical and energy analysis. Energy Procedia, 2009, 1, 4241-4248.	1.8	4
21	Assessing the economic feasibility of flexible integrated gasification Co-generation facilities. Energy Procedia, 2011, 4, 1973-1980.	1.8	1