

# Lionel Dubois

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

476  
citations

759233

12  
h-index

888059

17  
g-index

20  
all docs

20  
docs citations

20  
times ranked

392  
citing authors

#	ARTICLE	IF	CITATIONS
1	Environmental impacts of the production of synthetic natural gas from industrial carbon dioxide. Sustainable Production and Consumption, 2022, 30, 301-315.	11.0	11
2	Absorption-based carbon capture energy penalty reduction for micro gas turbine application: pre-assessment of the impact of appropriate amine solvent and process selection (final version). , 2022, , .		0
3	Life cycle and techno-economic assessments of direct air capture processes: An integrated review. International Journal of Energy Research, 2022, 46, 10320-10344.	4.5	24
4	Techno-economic feasibility and sustainability of an integrated carbon capture and conversion process to synthetic natural gas. Journal of CO2 Utilization, 2021, 47, 101488.	6.8	39
5	Production of synthetic natural gas from industrial carbon dioxide. Applied Energy, 2020, 260, 114249.	10.1	67
6	Thermodynamic modeling of CO2 absorption in aqueous solutions of N,N-diethylethanolamine (DEEA) and N-methyl-1,3-propanediamine (MAPA) and their mixtures for carbon capture process simulation. Chemical Engineering Research and Design, 2020, 158, 46-63.	5.6	15
7	Study of the post-combustion CO2 capture process by absorption-regeneration using amine solvents applied to cement plant flue gases with high CO2 contents. International Journal of Greenhouse Gas Control, 2019, 90, 102799.	4.6	59
8	Simulation of the Sour-Compression Unit (SCU) process for CO2 purification applied to flue gases coming from oxy-combustion cement industries. Computers and Chemical Engineering, 2019, 121, 523-539.	3.8	9
9	Comparison of various configurations of the absorption-regeneration process using different solvents for the post-combustion CO2 capture applied to cement plant flue gases. International Journal of Greenhouse Gas Control, 2018, 69, 20-35.	4.6	81
10	Optimization of the Sour Compression Unit (SCU) process for CO2 Purification Applied to Flue Gases Coming from Oxy-combustion Cement Industries. Energy Procedia, 2017, 114, 458-470.	1.8	7
11	Study of the Post-combustion CO2 Capture Applied to Conventional and Partial Oxy-fuel Cement Plants. Energy Procedia, 2017, 114, 6181-6196.	1.8	19
12	Simulations of various Configurations of the Post-combustion CO2 Capture Process Applied to a Cement Plant Flue Gas: Parametric Study with Different Solvents. Energy Procedia, 2017, 114, 1409-1423.	1.8	23
13	Post-combustion CO2 capture process applied to flue gases with high CO2 contents: Micro-pilot experiments and simulations. , 2017, , .		1
14	Simulation of the Post-combustion CO2 Capture with Aspen Hysys™ Software: Study of Different Configurations of an Absorption-regeneration Process for the Application to Cement Flue Gases. Energy Procedia, 2014, 63, 1018-1028.	1.8	38
15	CO2 Capture in Cement Production and Re-use: First Step for the Optimization of the Overall Process. Energy Procedia, 2014, 63, 6492-6503.	1.8	28
16	Screening tests of new hybrid solvents for the post-combustion CO2 capture process by chemical absorption. Energy Procedia, 2014, 63, 1854-1862.	1.8	7
17	Study of the Postcombustion CO2 Capture by Absorption into Amine(s) Based Solvents: Application to Cement Flue Gases. Energy Procedia, 2013, 37, 1639-1647.	1.8	5
18	Postcombustion CO2 Capture by Chemical Absorption: Screening of Aqueous Amine(s)-based solvents. Energy Procedia, 2013, 37, 1648-1657.	1.8	16

#	ARTICLE	IF	CITATIONS
19	Carbon dioxide absorption into aqueous amine based solvents: Modeling and absorption tests. Energy Procedia, 2011, 4, 1353-1360.	1.8	26
20	Techno-Economic and Environmental Assessment of Carbon Capture at a Cement Plant and CO2 Utilization in Production of Synthetic Natural Gas. SSRN Electronic Journal, 0, , .	0.4	1