

# 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	Comparison of various configurations of the absorption-regeneration process using different solvents for the post-combustion CO <sub>2</sub> capture applied to cement plant flue gases. <i>International Journal of Greenhouse Gas Control</i> , 2018, 69, 20-35.	4.6	81
2	Production of synthetic natural gas from industrial carbon dioxide. <i>Applied Energy</i> , 2020, 260, 114249.	10.1	67
3	Study of the post-combustion CO <sub>2</sub> capture process by absorption-regeneration using amine solvents applied to cement plant flue gases with high CO <sub>2</sub> contents. <i>International Journal of Greenhouse Gas Control</i> , 2019, 90, 102799.	4.6	59
4	Techno-economic feasibility and sustainability of an integrated carbon capture and conversion process to synthetic natural gas. <i>Journal of CO<sub>2</sub> Utilization</i> , 2021, 47, 101488.	6.8	39
5	Simulation of the Post-combustion CO <sub>2</sub> Capture with Aspen Hysys™ Software: Study of Different Configurations of an Absorption-regeneration Process for the Application to Cement Flue Gases. <i>Energy Procedia</i> , 2014, 63, 1018-1028.	1.8	38
6	CO <sub>2</sub> Capture in Cement Production and Re-use: First Step for the Optimization of the Overall Process. <i>Energy Procedia</i> , 2014, 63, 6492-6503.	1.8	28
7	Carbon dioxide absorption into aqueous amine based solvents: Modeling and absorption tests. <i>Energy Procedia</i> , 2011, 4, 1353-1360.	1.8	26
8	Life cycle and techno-economic assessments of direct air capture processes: An integrated review. <i>International Journal of Energy Research</i> , 2022, 46, 10320-10344.	4.5	24
9	Simulations of various Configurations of the Post-combustion CO <sub>2</sub> Capture Process Applied to a Cement Plant Flue Gas: Parametric Study with Different Solvents. <i>Energy Procedia</i> , 2017, 114, 1409-1423.	1.8	23
10	Study of the Post-combustion CO <sub>2</sub> Capture Applied to Conventional and Partial Oxy-fuel Cement Plants. <i>Energy Procedia</i> , 2017, 114, 6181-6196.	1.8	19
11	Postcombustion CO <sub>2</sub> Capture by Chemical Absorption: Screening of Aqueous Amine(s)-based solvents. <i>Energy Procedia</i> , 2013, 37, 1648-1657.	1.8	16
12	Thermodynamic modeling of CO <sub>2</sub> absorption in aqueous solutions of N,N-diethylethanolamine (DEEA) and N-methyl-1,3-propanediamine (MAPA) and their mixtures for carbon capture process simulation. <i>Chemical Engineering Research and Design</i> , 2020, 158, 46-63.	5.6	15
13	Environmental impacts of the production of synthetic natural gas from industrial carbon dioxide. <i>Sustainable Production and Consumption</i> , 2022, 30, 301-315.	11.0	11
14	Simulation of the Sour-Compression Unit (SCU) process for CO <sub>2</sub> purification applied to flue gases coming from oxy-combustion cement industries. <i>Computers and Chemical Engineering</i> , 2019, 121, 523-539.	3.8	9
15	Screening tests of new hybrid solvents for the post-combustion CO <sub>2</sub> capture process by chemical absorption. <i>Energy Procedia</i> , 2014, 63, 1854-1862.	1.8	7
16	Optimization of the Sour Compression Unit (SCU) process for CO <sub>2</sub> Purification Applied to Flue Gases Coming from Oxy-combustion Cement Industries. <i>Energy Procedia</i> , 2017, 114, 458-470.	1.8	7
17	Study of the Postcombustion CO <sub>2</sub> Capture by Absorption into Amine(s) Based Solvents: Application to Cement Flue Gases. <i>Energy Procedia</i> , 2013, 37, 1639-1647.	1.8	5
18	Post-combustion CO <sub>2</sub> capture process applied to flue gases with high CO <sub>2</sub> contents: Micro-pilot experiments and simulations. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
19	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
20	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