

# Daniel Hospital-Benito

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3529204/publications.pdf>

Version: 2024-02-01

12  
papers

346  
citations

933447

10  
h-index

1281871

11  
g-index

12  
all docs

12  
docs citations

12  
times ranked

355  
citing authors

#	ARTICLE	IF	CITATIONS
1	Process analysis overview of ionic liquids on CO <sub>2</sub> chemical capture. Chemical Engineering Journal, 2020, 390, 124509.	12.7	88
2	Interconnected metal oxide CNT fibre hybrid networks for current collector-free asymmetric capacitive deionization. Journal of Materials Chemistry A, 2018, 6, 10898-10908.	10.3	53
3	Techno-economic feasibility of ionic liquids-based CO <sub>2</sub> chemical capture processes. Chemical Engineering Journal, 2021, 407, 127196.	12.7	51
4	Design of biogas upgrading processes based on ionic liquids. Chemical Engineering Journal, 2022, 428, 132103.	12.7	34
5	Process Evaluation of Fluorinated Ionic Liquids as F-Gas Absorbents. Environmental Science & Technology, 2020, 54, 12784-12794.	10.0	28
6	CO <sub>2</sub> Capture by Supported Ionic Liquid Phase: Highlighting the Role of the Particle Size. ACS Sustainable Chemistry and Engineering, 2019, 7, 13089-13097.	6.7	24
7	Stripping Columns to Regenerate Ionic Liquids and Selectively Recover Hydrocarbons Avoiding Vacuum Conditions. Industrial & Engineering Chemistry Research, 2019, 58, 20370-20380.	3.7	18
8	Thermodynamic and kinetic evaluation of ionic liquids + tetraglyme mixtures on CO <sub>2</sub> capture. Journal of CO <sub>2</sub> Utilization, 2020, 35, 185-193.	6.8	16
9	Process Analysis of Ionic Liquid-Based Blends as H <sub>2</sub> S Absorbents: Search for Thermodynamic/Kinetic Synergies. ACS Sustainable Chemistry and Engineering, 2021, 9, 2080-2088.	6.7	15
10	Prediction of CO <sub>2</sub> chemical absorption isotherms for ionic liquid design by DFT/COSMO-RS calculations. Chemical Engineering Journal Advances, 2020, 4, 100038.	5.2	11
11	Improvement of CO <sub>2</sub> capture processes by tailoring the reaction enthalpy of Aprotic Nâ€Heterocyclic anion-based ionic liquids. Chemical Engineering Journal Advances, 2022, 10, 100291.	5.2	8
12	Process analysis overview of ionic liquids on CO <sub>2</sub> chemical capture. , 0, , .		0