

# Bárbara Polesso

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9442336/publications.pdf>

Version: 2024-02-01

11  
papers

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citations

1040056

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docs citations

11  
times ranked

239  
citing authors

#	ARTICLE	IF	CITATIONS
1	New cellulose based ionic compounds as low-cost sorbents for CO <sub>2</sub> capture. Fuel Processing Technology, 2016, 149, 131-138.	7.2	39
2	CO <sub>2</sub> capture: Tuning cation-anion interaction in urethane based poly(ionic liquids). Polymer, 2016, 102, 199-208.	3.8	38
3	Hybrid Alkoxysilane-Functionalized Urethane-Imide-Based Poly(ionic liquids) as a New Platform for Carbon Dioxide Capture. Energy & Fuels, 2017, 31, 9840-9849.	5.1	27
4	Supported ionic liquids as highly efficient and low-cost material for CO <sub>2</sub> /CH <sub>4</sub> separation process. Heliyon, 2019, 5, e02183.	3.2	27
5	Polyurethane-based poly (ionic liquid)s for CO <sub>2</sub> removal from natural gas. Journal of Applied Polymer Science, 2019, 136, 47536.	2.6	16
6	Enhancement of CO <sub>2</sub> /N <sub>2</sub> selectivity and CO <sub>2</sub> uptake by tuning concentration and chemical structure of imidazolium-based ILs immobilized in mesoporous silica. Journal of Environmental Chemical Engineering, 2020, 8, 103740.	6.7	16
7	DEVELOPMENT OF INEXPENSIVE CELLULOSE-BASED SORBENTS FOR CARBON DIOXIDE. Brazilian Journal of Chemical Engineering, 2019, 36, 511-521.	1.3	15
8	Designing silica xerogels containing RTIL for CO <sub>2</sub> capture and CO <sub>2</sub> /CH <sub>4</sub> separation: Influence of ILs anion, cation and cation side alkyl chain length and ramification. Journal of Environmental Management, 2020, 268, 110340.	7.8	11
9	Imidazolium-based Ionic Liquids Impregnated in Silica and Alumina Supports for CO <sub>2</sub> Capture. Materials Research, 2019, 22, .	1.3	11
10	CO <sub>2</sub> sorption using encapsulated imidazolium-based fluorinated ionic liquids. Environmental Challenges, 2021, 4, 100109.	4.2	3
11	SORÇÃO DE CO <sub>2</sub> UTILIZANDO LÍQUIDO IÔNICO ADITIVADO COM EXTENSORES DE ÁREA SUPERFICIAL. Química Nova, 2018, , .	0.3	2