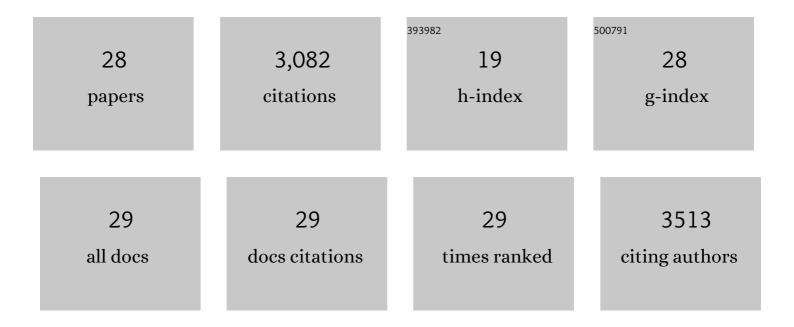
Eloy S Sanz-Pérez

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Direct Capture of CO ₂ from Ambient Air. Chemical Reviews, 2016, 116, 11840-11876.	23.0	1,455
2	CO2 adsorption on branched polyethyleneimine-impregnated mesoporous silica SBA-15. Applied Surface Science, 2010, 256, 5323-5328.	3.1	230
3	Direct air capture: process technology, techno-economic and socio-political challenges. Energy and Environmental Science, 2022, 15, 1360-1405.	15.6	176
4	Amino functionalized mesostructured SBA-15 silica for CO2 capture: Exploring the relation between the adsorption capacity and the distribution of amino groups by TEM. Microporous and Mesoporous Materials, 2012, 158, 309-317.	2.2	135
5	CO2 adsorption performance of amino-functionalized SBA-15 under post-combustion conditions. International Journal of Greenhouse Gas Control, 2013, 17, 366-375.	2.3	107
6	CO2 capture with pore-expanded MCM-41 silica modified with amino groups by double functionalization. Microporous and Mesoporous Materials, 2015, 209, 165-171.	2.2	105
7	Development of high efficiency adsorbents for CO2 capture based on a double-functionalization method of grafting and impregnation. Journal of Materials Chemistry A, 2013, 1, 1956.	5.2	103
8	Influence of Drying Conditions on Amine-Functionalized SBA-15 as Adsorbent of CO2. Topics in Catalysis, 2011, 54, 135-145.	1.3	100
9	Reuse and recycling of amine-functionalized silica materials for CO 2 adsorption. Chemical Engineering Journal, 2017, 308, 1021-1033.	6.6	80
10	Tuning the textural properties of HMS mesoporous silica. Functionalization towards CO2 adsorption. Microporous and Mesoporous Materials, 2018, 260, 235-244.	2.2	77
11	Amino-functionalized pore-expanded SBA-15 for CO2 adsorption. Adsorption, 2013, 19, 589-600.	1.4	68
12	CO2 adsorption on amine-functionalized clays. Microporous and Mesoporous Materials, 2019, 282, 38-47.	2.2	66
13	CO2Uptake and Adsorption Kinetics of Pore-Expanded SBA-15 Double-Functionalized with Amino Groups. Energy & Fuels, 2013, 27, 7637-7644.	2.5	57
14	New developments on carbon dioxide capture using amine-impregnated silicas. Adsorption, 2016, 22, 609-619.	1.4	41
15	CO ₂ Capture and Utilization Editorial. Industrial & Engineering Chemistry Research, 2020, 59, 6767-6772.	1.8	39
16	Comparative study of ASNase immobilization on tannic acid-modified magnetic Fe ₃ O ₄ /SBA-15 nanoparticles to enhance stability and reusability. New Journal of Chemistry, 2020, 44, 4440-4451.	1.4	37
17	Hybrid amine-silica materials: Determination of N content by 29Si NMR and application to direct CO2 capture from air. Chemical Engineering Journal, 2019, 373, 1286-1294.	6.6	34
18	Amine grafting of acid-activated bentonite for carbon dioxide capture. Applied Clay Science, 2019, 180, 105195.	2.6	23

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#	Article	IF	CITATIONS
19	Bromine pre-functionalized porous polyphenylenes: New platforms for one-step grafting and applications in reversible CO2 capture. Journal of CO2 Utilization, 2019, 30, 183-192.	3.3	23
20	Effect of acid activation on the CO2 adsorption capacity of montmorillonite. Adsorption, 2020, 26, 793-811.	1.4	21
21	An investigation of the textural properties of mesostructured silica-based adsorbents for predicting CO ₂ adsorption capacity. RSC Advances, 2015, 5, 103147-103154.	1.7	18
22	Preparation of a new chromatographic media and assessment of some kinetic and interaction parameters for lysozyme. Journal of Molecular Liquids, 2019, 276, 480-487.	2.3	18
23	Students' performance and perceptions on continuous assessment. Redefining a chemical engineering subject in the European higher education area. Education for Chemical Engineers, 2019, 28, 13-24.	2.8	17
24	Development of regenerable sorbents from abundant wastes for capture of CO2. Energy Procedia, 2011, 4, 1118-1124.	1.8	16
25	Co-evaluation of interaction parameters of genomic and plasmid DNA for a new chromatographic medium. International Journal of Biological Macromolecules, 2019, 141, 1183-1190.	3.6	15
26	Effectiveness of amino-functionalized sorbents for co2 capture in the presence of Hg. Fuel, 2020, 267, 117250.	3.4	13
27	Effect of Hg on CO2 capture by solid sorbents in the presence of acid gases. Chemical Engineering Journal, 2017, 312, 367-374.	6.6	7
28	The Importance of Measuring Students' Opinions and Attitudes. Data, 2019, 4, 43.	1.2	1