

# Enzo Mangano

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2189549/publications.pdf>

Version: 2024-02-01

32  
papers

2,984  
citations

566801

15  
h-index

500791

28  
g-index

33  
all docs

33  
docs citations

33  
times ranked

4237  
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon capture and storage update. <i>Energy and Environmental Science</i> , 2014, 7, 130-189.	15.6	1,765
2	Emerging CO <sub>2</sub> capture systems. <i>International Journal of Greenhouse Gas Control</i> , 2015, 40, 126-166.	2.3	352
3	Understanding Carbon Dioxide Adsorption on Univalent Cation Forms of the Flexible Zeolite Rho at Conditions Relevant to Carbon Capture from Flue Gases. <i>Journal of the American Chemical Society</i> , 2012, 134, 17628-17642.	6.6	158
4	Adsorption Materials and Processes for Carbon Capture from Gas-Fired Power Plants: AMPGas. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 3840-3851.	1.8	84
5	Diffusion mechanism of CO <sub>2</sub> in 13X zeolite beads. <i>Adsorption</i> , 2014, 20, 121-135.	1.4	77
6	Net, excess and absolute adsorption and adsorption of helium. <i>Adsorption</i> , 2016, 22, 261-276.	1.4	75
7	A reference high-pressure CO <sub>2</sub> adsorption isotherm for ammonium ZSM-5 zeolite: results of an interlaboratory study. <i>Adsorption</i> , 2018, 24, 531-539.	1.4	59
8	Face Coverings, Aerosol Dispersion and Mitigation of Virus Transmission Risk. <i>IEEE Open Journal of Engineering in Medicine and Biology</i> , 2021, 2, 26-35.	1.7	51
9	Cation Control of Molecular Sieving by Flexible Li-Containing Zeolite Rho. <i>Journal of Physical Chemistry C</i> , 2016, 120, 19652-19662.	1.5	45
10	A review of common practices in gravimetric and volumetric adsorption kinetic experiments. <i>Adsorption</i> , 2021, 27, 295-318.	1.4	45
11	Face coverings and respiratory tract droplet dispersion. <i>Royal Society Open Science</i> , 2020, 7, 201663.	1.1	34
12	The zero length column technique to measure adsorption equilibrium and kinetics: lessons learnt from 30 years of experience. <i>Adsorption</i> , 2021, 27, 319-351.	1.4	29
13	Automatic estimation of kinetic and isotherm parameters from ZLC experiments. <i>Chemical Engineering Science</i> , 2015, 126, 616-624.	1.9	28
14	CO <sub>2</sub> adsorption on different organo-modified SBA-15 silicas: a multidisciplinary study on the effects of basic surface groups. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 14114-14128.	1.3	22
15	Sorption kinetics: measurement of surface resistance. <i>Adsorption</i> , 2021, 27, 787-799.	1.4	18
16	Non-Porous versus Mesoporous Siliceous Materials for CO <sub>2</sub> Capture. <i>ChemistryOpen</i> , 2019, 8, 719-727.	0.9	17
17	Efficient and Rapid Screening of Novel Adsorbents for Carbon Capture in the UK IGSCC Project. <i>Energy Procedia</i> , 2013, 37, 40-47.	1.8	15
18	Accelerated degradation of MOFs under flue gas conditions. <i>Faraday Discussions</i> , 2016, 192, 181-195.	1.6	15

#	ARTICLE	IF	CITATIONS
19	A Porous Carbon with Excellent Gas Storage Properties from Waste Polystyrene. <i>Nanomaterials</i> , 2019, 9, 726.	1.9	15
20	Robust algorithms for the solution of the ideal adsorbed solution theory equations. <i>AIChE Journal</i> , 2015, 61, 981-991.	1.8	14
21	Analysis and Interpretation of Zero Length Column Response Curves. <i>Chemie-Ingenieur-Technik</i> , 2013, 85, 1714-1718.	0.4	13
22	Using a volumetric apparatus to identify and measure the mass transfer resistance in commercial adsorbents. <i>Microporous and Mesoporous Materials</i> , 2020, 304, 109277.	2.2	11
23	Carbon dioxide mass transport in commercial carbon molecular sieves using a volumetric apparatus. <i>Separation and Purification Technology</i> , 2020, 245, 116862.	3.9	11
24	Synthetic Saponite Clays as Additives for Reducing Aging Effects in PIM1 Membranes. <i>ACS Applied Polymer Materials</i> , 2020, 2, 3481-3490.	2.0	8
25	Net, excess and absolute adsorption in mixed gas adsorption. <i>Adsorption</i> , 2017, 23, 569-576.	1.4	6
26	Direct measurement of the mass transport coefficient of water in silica-gel using the zero length column technique. <i>Energy</i> , 2022, 239, 121945.	4.5	4
27	A novel adsorption differential volumetric apparatus to measure mass transfer in nanoporous materials. <i>Separation and Purification Technology</i> , 2022, 283, 120210.	3.9	4
28	Water Adsorption on AQSOA-FAM-Z02 Beads. <i>Journal of Chemical &amp; Engineering Data</i> , 2022, 67, 1723-1731.	1.0	4
29	Measurement of Diffusion in Small Pore Zeolites to Improve Selectivity in Separation Processes. <i>Structure and Bonding</i> , 2020, , 121-144.	1.0	0
30	Martin BÃ¼low: response. <i>Adsorption</i> , 2021, 27, 993-993.	1.4	0
31	Response to the letter to the editor by Silva and Rodrigues. <i>Adsorption</i> , 2022, 28, 101-103.	1.4	0
32	Analysis of CO <sub>2</sub> kinetics in Na,Cs-Rho crystals using the zero length column: a case study for slow systems. <i>Brazilian Journal of Chemical Engineering</i> , 0, , 1.	0.7	0