

Enzo Mangano

List of Publications by Year in descending order

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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	Response to the letter to the editor by Silva and Rodrigues. Adsorption, 2022, 28, 101-103.	1.4	0
2	Direct measurement of the mass transport coefficient of water in silica-gel using the zero length column technique. Energy, 2022, 239, 121945.	4.5	4
3	A novel adsorption differential volumetric apparatus to measure mass transfer in nanoporous materials. Separation and Purification Technology, 2022, 283, 120210.	3.9	4
4	Water Adsorption on AQSOA-FAM-Z02 Beads. Journal of Chemical & Engineering Data, 2022, 67, 1723-1731.	1.0	4
5	A review of common practices in gravimetric and volumetric adsorption kinetic experiments. Adsorption, 2021, 27, 295-318.	1.4	45
6	The zero length column technique to measure adsorption equilibrium and kinetics: lessons learnt from 30 years of experience. Adsorption, 2021, 27, 319-351.	1.4	29
7	Sorption kinetics: measurement of surface resistance. Adsorption, 2021, 27, 787-799.	1.4	18
8	Face Coverings, Aerosol Dispersion and Mitigation of Virus Transmission Risk. IEEE Open Journal of Engineering in Medicine and Biology, 2021, 2, 26-35.	1.7	51
9	Martin BÅ¼low: response. Adsorption, 2021, 27, 993-993.	1.4	0
10	Using a volumetric apparatus to identify and measure the mass transfer resistance in commercial adsorbents. Microporous and Mesoporous Materials, 2020, 304, 109277.	2.2	11
11	Measurement of Diffusion in Small Pore Zeolites to Improve Selectivity in Separation Processes. Structure and Bonding, 2020, , 121-144.	1.0	0
12	Synthetic Saponite Clays as Additives for Reducing Aging Effects in PIM1 Membranes. ACS Applied Polymer Materials, 2020, 2, 3481-3490.	2.0	8
13	Carbon dioxide mass transport in commercial carbon molecular sieves using a volumetric apparatus. Separation and Purification Technology, 2020, 245, 116862.	3.9	11
14	Face coverings and respiratory tract droplet dispersion. Royal Society Open Science, 2020, 7, 201663.	1.1	34
15	Nonâ€Porous versus Mesoporous Siliceous Materials for CO₂ Capture. ChemistryOpen, 2019, 8, 719-727.	0.9	17
16	A Porous Carbon with Excellent Gas Storage Properties from Waste Polystyrene. Nanomaterials, 2019, 9, 726.	1.9	15
17	A reference high-pressure CO2 adsorption isotherm for ammonium ZSM-5 zeolite: results of an interlaboratory study. Adsorption, 2018, 24, 531-539.	1.4	59
18	CO₂ adsorption on different organo-modified SBA-15 silicas: a multidisciplinary study on the effects of basic surface groups. Physical Chemistry Chemical Physics, 2017, 19, 14114-14128.	1.3	22

#	ARTICLE	IF	CITATIONS
19	Net, excess and absolute adsorption in mixed gas adsorption. <i>Adsorption</i> , 2017, 23, 569-576.	1.4	6
20	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
21	Net, excess and absolute adsorption and adsorption of helium. <i>Adsorption</i> , 2016, 22, 261-276.	1.4	75
22	Accelerated degradation of MOFs under flue gas conditions. <i>Faraday Discussions</i> , 2016, 192, 181-195.	1.6	15
23	Adsorption Materials and Processes for Carbon Capture from Gas-Fired Power Plants: AMPGas. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 3840-3851.	1.8	84
24	Emerging CO ₂ capture systems. <i>International Journal of Greenhouse Gas Control</i> , 2015, 40, 126-166.	2.3	352
25	Automatic estimation of kinetic and isotherm parameters from ZLC experiments. <i>Chemical Engineering Science</i> , 2015, 126, 616-624.	1.9	28
26	Robust algorithms for the solution of the ideal adsorbed solution theory equations. <i>AIChE Journal</i> , 2015, 61, 981-991.	1.8	14
27	Diffusion mechanism of CO ₂ in 13X zeolite beads. <i>Adsorption</i> , 2014, 20, 121-135.	1.4	77
28	Carbon capture and storage update. <i>Energy and Environmental Science</i> , 2014, 7, 130-189.	15.6	1,765
29	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
30	Analysis and Interpretation of Zero Length Column Response Curves. <i>Chemie-Ingenieur-Technik</i> , 2013, 85, 1714-1718.	0.4	13
31	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
32	Analysis of CO ₂ 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