

Diana Cs Azevedo

List of Publications by Year in descending order

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149
papers

4,924
citations

61945

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154
all docs

154
docs citations

154
times ranked

4970
citing authors

#	ARTICLE	IF	CITATIONS
1	CaO supported on mesoporous silicas as basic catalysts for transesterification reactions. Applied Catalysis A: General, 2008, 334, 35-43.	2.2	281
2	Adsorption of CO ₂ on nitrogen-enriched activated carbon and zeolite 13X. Adsorption, 2011, 17, 235-246.	1.4	175
3	Microporous activated carbon prepared from coconut shells using chemical activation with zinc chloride. Microporous and Mesoporous Materials, 2007, 100, 361-364.	2.2	165
4	Carbon dioxide–nitrogen separation through adsorption on activated carbon in a fixed bed. Chemical Engineering Journal, 2011, 169, 11-19.	6.6	153
5	CO ₂ adsorption in amine-grafted zeolite 13X. Applied Surface Science, 2014, 314, 314-321.	3.1	114
6	Design of a simulated moving bed in the presence of mass-transfer resistances. AIChE Journal, 1999, 45, 956-966.	1.8	111
7	Synthesis and characterization of ordered mesoporous silica (SBA-15 and SBA-16) for adsorption of biomolecules. Microporous and Mesoporous Materials, 2013, 180, 284-292.	2.2	99
8	CO ₂ adsorption on amine modified mesoporous silicas: Effect of the progressive disorder of the honeycomb arrangement. Microporous and Mesoporous Materials, 2015, 209, 172-183.	2.2	96
9	Fructose–glucose separation in a SMB pilot unit: Modeling, simulation, design, and operation. AIChE Journal, 2001, 47, 2042-2051.	1.8	91
10	Effects of textural and surface characteristics of microporous activated carbons on the methane adsorption capacity at high pressures. Applied Surface Science, 2007, 253, 5721-5725.	3.1	88
11	Properties of biodiesel oils formulated using different biomass sources and their blends. Renewable Energy, 2009, 34, 857-859.	4.3	88
12	MgM (M=Al and Ca) oxides as basic catalysts in transesterification processes. Applied Catalysis A: General, 2008, 347, 162-168.	2.2	86
13	Modeling of the fixed - bed adsorption of carbon dioxide and a carbon dioxide - nitrogen mixture on zeolite 13X. Brazilian Journal of Chemical Engineering, 2011, 28, 533-544.	0.7	84
14	How Reproducible are Surface Areas Calculated from the BET Equation?. Advanced Materials, 2022, 34, .	11.1	82
15	Adsorption study of reactive dyes onto porous clay heterostructures. Applied Clay Science, 2017, 135, 35-44.	2.6	80
16	Carbon dioxide–nitrogen separation through pressure swing adsorption. Chemical Engineering Journal, 2011, 172, 698-704.	6.6	79
17	Adsorption equilibria of CO ₂ and CH ₄ in cation-exchanged zeolites 13X. Adsorption, 2016, 22, 71-80.	1.4	79
18	Design methodology and operation of a simulated moving bed reactor for the inversion of sucrose and glucose–fructose separation. Chemical Engineering Journal, 2001, 82, 95-107.	6.6	75

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19	CO ₂ adsorption on APTES functionalized mesocellular foams obtained from mesoporous silicas. <i>Microporous and Mesoporous Materials</i> , 2014, 187, 125-134.	2.2	73
20	Adsorption of thiophene and toluene on NaY zeolites exchanged with Ag(I), Ni(II) and Zn(II). <i>Fuel</i> , 2009, 88, 1885-1892.	3.4	71
21	A rapid method for evaluation of the oxidation stability of castor oil FAME: influence of antioxidant type and concentration. <i>Fuel Processing Technology</i> , 2009, 90, 1272-1277.	3.7	69
22	Transesterification of ethyl butyrate with methanol using MgO/CaO catalysts. <i>Journal of Molecular Catalysis A</i> , 2009, 300, 19-24.	4.8	68
23	Preparation of biomass-based activated carbons and their evaluation for biogas upgrading purposes. <i>Industrial Crops and Products</i> , 2017, 109, 134-140.	2.5	65
24	Thermo-Oxidative Stability of Mineral Naphthenic Insulating Oils: A Combined Effect of Antioxidants and Metal Passivator. <i>Industrial & Engineering Chemistry Research</i> , 2004, 43, 7428-7434.	1.8	64
25	CO ₂ and H ₂ S Removal from CH ₄ -Rich Streams by Adsorption on Activated Carbons Modified with K ₂ CO ₃ , NaOH, or Fe ₂ O ₃ . <i>Energy & Fuels</i> , 2016, 30, 9596-9604.	2.5	64
26	Adsorption of Carbon Dioxide onto Activated Carbon and Nitrogen-Enriched Activated Carbon: Surface Changes, Equilibrium, and Modeling of Fixed-Bed Adsorption. <i>Separation Science and Technology</i> , 2009, 45, 73-84.	1.3	63
27	Stability of an Al-Fumarate MOF and Its Potential for CO ₂ Capture from Wet Stream. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 2134-2143.	1.8	63
28	Evaluation of porous clay heterostructures modified with amine species as adsorbent for the CO ₂ capture. <i>Microporous and Mesoporous Materials</i> , 2017, 249, 25-33.	2.2	63
29	Carbon Dioxide Capture by Pressure Swing Adsorption. <i>Energy Procedia</i> , 2017, 114, 2182-2192.	1.8	63
30	Evaluation of two fibrous clay minerals (sepiolite and palygorskite) for CO ₂ Capture. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 4573-4587.	3.3	60
31	Studies on the adsorption behavior of CO ₂ -CH ₄ mixtures using activated carbon. <i>Brazilian Journal of Chemical Engineering</i> , 2013, 30, 939-951.	0.7	60
32	Improvement in the adsorption of thiabendazole by using aluminum pillared clays. <i>Applied Clay Science</i> , 2013, 71, 55-63.	2.6	59
33	Functionalization of hollow silica microspheres by impregnation or grafted of amine groups for the CO ₂ capture. <i>International Journal of Greenhouse Gas Control</i> , 2016, 52, 344-356.	2.3	59
34	Al and Ti-containing mesoporous molecular sieves: Synthesis, characterization and redox activity in the anthracene oxidation. <i>Journal of Molecular Catalysis A</i> , 2008, 281, 154-163.	4.8	58
35	Adsorption of methane in activated carbons obtained from coconut shells using H ₃ PO ₄ chemical activation. <i>Adsorption</i> , 2009, 15, 271-277.	1.4	56
36	Adsorption of polycyclic aromatic hydrocarbons (PAHs) from isooctane solutions by mesoporous molecular sieves: Influence of the surface acidity. <i>Microporous and Mesoporous Materials</i> , 2008, 108, 213-222.	2.2	52

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37	Adsorptive separation of fructose and glucose from an agroindustrial waste of cashew industry. <i>Bioresource Technology</i> , 2008, 99, 2455-2465.	4.8	51
38	A Theoretical and Experimental Study of Charge and Discharge Cycles in a Storage Vessel for Adsorbed Natural Gas. <i>Adsorption</i> , 2005, 11, 147-157.	1.4	50
39	The effect of heterogeneity in the randomly etched graphite model for carbon pore size characterization. <i>Carbon</i> , 2010, 48, 2554-2565.	5.4	48
40	“Low Cost” Pore Expanded SBA-15 Functionalized with Amine Groups Applied to CO ₂ Adsorption. <i>Materials</i> , 2015, 8, 2495-2513.	1.3	48
41	The effect of structure modifying agents in the SBA-15 for its application in the biomolecules adsorption. <i>Microporous and Mesoporous Materials</i> , 2016, 232, 53-64.	2.2	48
42	Assessment of biodegradability and oxidation stability of mineral, vegetable and synthetic oil samples. <i>Industrial Crops and Products</i> , 2011, 33, 579-583.	2.5	47
43	Experimental analysis of the efficiency on charge/discharge cycles in natural gas storage by adsorption. <i>Fuel</i> , 2011, 90, 113-119.	3.4	47
44	Microwave-assisted nitric acid treatment of sepiolite and functionalization with polyethylenimine applied to CO ₂ capture and CO ₂ /N ₂ separation. <i>Applied Surface Science</i> , 2017, 410, 315-325.	3.1	43
45	Methane Adsorption Storage Using Microporous Carbons Obtained from Coconut Shells. <i>Adsorption</i> , 2005, 11, 911-915.	1.4	42
46	FTIR assessment of the oxidation process of castor oil FAME submitted to PetroOXY and Rancimat methods. <i>Fuel Processing Technology</i> , 2011, 92, 1152-1155.	3.7	38
47	CO ₂ Adsorption on Ionic Liquid-Modified Cu-BTC: Experimental and Simulation Study. <i>Adsorption Science and Technology</i> , 2015, 33, 223-242.	1.5	37
48	CO ₂ Capture with Mesoporous Silicas Modified with Amines by Double Functionalization: Assessment of Adsorption/Desorption Cycles. <i>Materials</i> , 2018, 11, 887.	1.3	36
49	Insights into CO ₂ adsorption in amino-functionalized SBA-15 synthesized at different aging temperature. <i>Adsorption</i> , 2020, 26, 225-240.	1.4	36
50	Obtainment of High-Fructose Solutions from Cashew (<i>Anacardium occidentale</i>) Apple Juice by Simulated Moving-Bed Chromatography. <i>Separation Science and Technology</i> , 2000, 35, 2561-2581.	1.3	34
51	Thiophene Adsorption on Microporous Activated Carbons Impregnated with PdCl ₂ . <i>Energy & Fuels</i> , 2010, 24, 3436-3442.	2.5	34
52	Characterization of activated carbons from peach stones through the mixed geometry model. <i>Microporous and Mesoporous Materials</i> , 2010, 134, 181-188.	2.2	29
53	Characterization of PSD of activated carbons by using slit and triangular pore geometries. <i>Applied Surface Science</i> , 2010, 256, 5191-5197.	3.1	29
54	CO ₂ /CH ₄ adsorption separation process using pore expanded mesoporous silicas functionalized by APTES grafting. <i>Adsorption</i> , 2015, 21, 565-575.	1.4	29

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55	Bilinear Driving Force Approximation in the Modeling of a Simulated Moving Bed Using Bidisperse Adsorbents. <i>Industrial & Engineering Chemistry Research</i> , 1999, 38, 3519-3529.	1.8	27
56	Removal of Aromatic Compounds from Mineral Naphthenic Oil by Adsorption. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 3207-3212.	1.8	27
57	Adsorption Equilibria of Natural Gas Components on Activated Carbon: Pure and Mixed Gas Isotherms. <i>Adsorption Science and Technology</i> , 2008, 26, 323-332.	1.5	26
58	Pd-loaded mesoporous silica as a robust adsorbent in adsorption/desorption desulfurization cycles. <i>Fuel</i> , 2014, 126, 96-103.	3.4	26
59	Assessment of CO ₂ desorption from 13X zeolite for a prospective TSA process. <i>Adsorption</i> , 2020, 26, 813-824.	1.4	26
60	Adsorption microcalorimetry applied to the characterisation of adsorbents for CO ₂ capture. <i>Canadian Journal of Chemical Engineering</i> , 2012, 90, 1372-1380.	0.9	25
61	Enantiomers separation by simulated moving bed chromatography. <i>Journal of Chromatography A</i> , 1999, 865, 187-200.	1.8	24
62	Improvement in the Adsorption of Anionic and Cationic Dyes from Aqueous Solutions: A Comparative Study using Aluminium Pillared Clays and Activated Carbon. <i>Separation Science and Technology</i> , 2014, 49, 741-751.	1.3	24
63	Assessing the potential of nanoporous carbon adsorbents from polyethylene terephthalate (PET) to separate CO ₂ from flue gas. <i>Adsorption</i> , 2018, 24, 279-291.	1.4	23
64	Polyamine-Grafted Magadiite: High CO ₂ Selectivity at Capture from CO ₂ /N ₂ and CO ₂ /CH ₄ Mixtures. <i>Journal of CO₂ Utilization</i> , 2018, 23, 29-41.	3.3	23
65	Influence of buffer solutions in the adsorption of human serum proteins onto layered double hydroxide. <i>International Journal of Biological Macromolecules</i> , 2018, 106, 396-409.	3.6	23
66	Adsorption microcalorimetry as a tool in the characterization of amine-grafted mesoporous silicas for CO ₂ capture. <i>Adsorption</i> , 2020, 26, 165-175.	1.4	23
67	Characterization of the PSD of activated carbons from peach stones for separation of combustion gas mixtures. <i>Adsorption</i> , 2011, 17, 853-861.	1.4	22
68	Insights on the Mechanisms of H ₂ S Retention at Low Concentration on Impregnated Carbons. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 2248-2257.	1.8	22
69	Molecular simulation of collection of methane isotherms in carbon material using all-atom and united atom models. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 357, 53-60.	2.3	21
70	CO ₂ gas-adsorption calorimetry applied to the study of chemically activated carbons. <i>Chemical Engineering Research and Design</i> , 2018, 136, 753-760.	2.7	21
71	Effect of coal fly ash treatments on synthesis of high-quality zeolite A as a potential additive for warm mix asphalt. <i>Materials Chemistry and Physics</i> , 2022, 275, 125197.	2.0	21
72	Evaluation of carbon dioxide-nitrogen separation through fixed bed measurements and simulations. <i>Adsorption</i> , 2014, 20, 945-957.	1.4	20

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73	Separation of Fructose and Glucose from Cashew Apple Juice by SMB Chromatography. Separation Science and Technology, 2005, 40, 1761-1780.	1.3	19
74	Adsorption behavior of bovine serum albumin on Zn ²⁺ /Al and Mg ²⁺ /Al layered double hydroxides. Journal of Sol-Gel Science and Technology, 2016, 80, 748-758.	1.1	19
75	Diffusion of linear paraffins in silicalite studied by the ZLC method in the presence of CO ₂ . Adsorption, 2010, 16, 29-36.	1.4	18
76	Dye Ligand Epoxide Chitosan/Alginate: A Potential New Stationary Phase for Human IgG Purification. Adsorption Science and Technology, 2012, 30, 701-711.	1.5	18
77	Evaluation of the thermal regeneration of an amine-grafted mesoporous silica used for CO ₂ /N ₂ separation. Adsorption, 2020, 26, 203-215.	1.4	18
78	Sorption and Diffusion of p-Xylene and o-Xylene in Aluminophosphate Molecular Sieve AlPO ₄ -11. Adsorption, 2000, 6, 53-59.	1.4	17
79	On the influence of heterogeneity of graphene sheets in the determination of the pore size distribution of activated carbons. Adsorption, 2011, 17, 845-851.	1.4	17
80	Adsorption of naphthalene and pyrene from isooctane solutions on commercial activated carbons. Adsorption, 2011, 17, 937-947.	1.4	17
81	On the production of glucose and fructose syrups from cashew apple juice derivatives. Journal of Food Engineering, 2011, 102, 355-360.	2.7	17
82	Chromatographic Separation of Isomaltooligosaccharides on Ion-Exchange Resins: Effect of the Cationic Form. Adsorption Science and Technology, 2012, 30, 773-784.	1.5	17
83	Superior Performance of Mesoporous MOF MIL-100 (Fe) Impregnated with Ionic Liquids for CO ₂ Adsorption. Journal of Chemical & Engineering Data, 2019, 64, 2221-2228.	1.0	17
84	Amino-modified pillared adsorbent from water-treatment solid wastes applied to CO ₂ /N ₂ separation. Adsorption, 2017, 23, 405-421.	1.4	16
85	Parametric Analysis of a Moving Bed Temperature Swing Adsorption (MBTSA) Process for Postcombustion CO ₂ Capture. Industrial & Engineering Chemistry Research, 2021, 60, 10736-10752.	1.8	16
86	Purification and Characterization of Microbial Hyaluronic Acid by Solvent Precipitation and Size-Exclusion Chromatography. Separation Science and Technology, 2009, 44, 906-923.	1.3	15
87	Effect of the pore geometry in the characterization of the pore size distribution of activated carbons. Adsorption, 2013, 19, 601-609.	1.4	15
88	Assessing CO ₂ Adsorption on Amino-Functionalized Mesocellular Foams Synthesized at Different Aging Temperatures. Frontiers in Chemistry, 2020, 8, 591766.	1.8	15
89	Dextran and fructose separation on an SMB continuous chromatographic unit. Biochemical Engineering Journal, 2002, 12, 215-221.	1.8	14
90	Assessment of the potential use of zeolites synthesized from power plant fly ash to capture CO ₂ under post-combustion scenario. Adsorption, 2020, 26, 1153-1164.	1.4	14

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91	Siloxane adsorption by porous silica synthesized from residual sand of wastewater treatment. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104805.	3.3	14
92	Transesterification of Castor Oil Using Ethanol: Effect of Water Removal by Adsorption onto Zeolite 3A. <i>Energy & Fuels</i> , 2009, 23, 1136-1138.	2.5	12
93	Characterization of the PSD of activated carbons by a heterogeneous surface mixed model. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 437, 69-75.	2.3	12
94	Computer simulation of adsorption and sitting of CO ₂ , N ₂ , CH ₄ and water on a new Al(OH)-fumarate MOF. <i>Adsorption</i> , 2017, 23, 423-431.	1.4	12
95	Investigation of premature aging of zeolites used in the drying of gas streams. <i>Chemical Engineering Communications</i> , 2019, 206, 1367-1374.	1.5	12
96	SMB chromatography applied to the separation/purification of fructose from cashew apple juice. <i>Brazilian Journal of Chemical Engineering</i> , 2000, 17, 507-516.	0.7	12
97	Assessment of surface acidity in mesoporous materials containing aluminum and titanium. <i>Applied Surface Science</i> , 2009, 255, 6205-6209.	3.1	11
98	Adsorption of Polycyclic Aromatic Hydrocarbons from Heavy Naphthenic Oil Using Commercial Activated Carbons. 1. Fluid-Particle Studies. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 8176-8183.	1.8	11
99	Effect of ultramicropores on the mechanisms of H ₂ S retention from biogas. <i>Chemical Engineering Research and Design</i> , 2020, 154, 241-249.	2.7	11
100	Human IgG adsorption using dye-ligand epoxy chitosan/alginate as adsorbent: influence of buffer system. <i>Adsorption</i> , 2014, 20, 925-934.	1.4	10
101	Why the pore geometry model could affect the uniqueness of the PSD in AC characterization. <i>Adsorption</i> , 2016, 22, 215-222.	1.4	10
102	Representative Pores: An Efficient Method to Characterize Activated Carbons. <i>Frontiers in Chemistry</i> , 2020, 8, 595230.	1.8	10
103	Experimental and theoretical assessment of CO ₂ capture by adsorption on clinoptilolite. <i>Chemical Engineering Research and Design</i> , 2022, 177, 640-652.	2.7	10
104	Evaluation of a mixed geometry model for the characterization of activated carbons. <i>Adsorption</i> , 2011, 17, 551-560.	1.4	9
105	Simple Procedure to Estimate Mass Transfer Coefficients from Uptake Curves on Activated Carbons. <i>Chemical Engineering and Technology</i> , 2018, 41, 1622-1630.	0.9	9
106	Effect of Calcination Temperature and Chemical Composition of PAN-Derived Carbon Microfibers on N ₂ , CO ₂ , and CH ₄ Adsorption. <i>Materials</i> , 2021, 14, 3914.	1.3	9
107	Production of $\hat{1}^{\pm}, \hat{1}^2$ -unsaturated esters via Knoevenagel condensation of butyraldehyde and ethyl cyanoacetate over amine-containing carbon catalyst. <i>Chemical Engineering Journal</i> , 2015, 264, 565-569.	6.6	8
108	Adsorption of biomolecules in porous silicas modified with zirconium. Effect of the textural properties and acidity. <i>Microporous and Mesoporous Materials</i> , 2018, 260, 146-154.	2.2	8

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109	LTA Zeolite Characterization Based on Pore Type Distribution. Industrial & Engineering Chemistry Research, 2022, 61, 2268-2279.	1.8	8
110	Studies of C8 aromatics adsorption in BaY and mordenite molecular sieves using the headspace technique. Adsorption, 2010, 16, 525-530.	1.4	7
111	Synthesis and Characterization of Metal-Supported Mesoporous Silicas Applied to the Adsorption of Benzo thiophene. Adsorption Science and Technology, 2011, 29, 691-704.	1.5	7
112	Monte Carlo Simulation Strategies for Predicting CO ₂ /CH ₄ Adsorption onto Activated Carbons from Pure Gas Isotherms. Adsorption Science and Technology, 2011, 29, 651-661.	1.5	7
113	Adsorption of Cellulase Isolated from <i>Aspergillus Niger</i> on Chitosan/Alginate Particles Functionalized with Epichlorohydrin. Adsorption Science and Technology, 2013, 31, 17-34.	1.5	7
114	Adsorption of Polycyclic Aromatic Hydrocarbons from Heavy Naphthenic Oil Using Commercial Activated Carbons. 2. Column Adsorption Studies. Industrial & Engineering Chemistry Research, 2016, 55, 8184-8190.	1.8	7
115	Binary gas mixture adsorption-induced deformation of microporous carbons by Monte Carlo simulation. Journal of Colloid and Interface Science, 2018, 522, 291-298.	5.0	7
116	CO ₂ selectivity in CO ₂ :CH ₄ and CO ₂ :N ₂ mixtures on carbon microfibers (CMFs) and carbon microspheres (CMSs). Fuel, 2022, 324, 124242.	3.4	7
117	Adsorption of CO ₂ on Amine-Grafted Activated Carbon. Adsorption Science and Technology, 2014, 32, 141-151.	1.5	6
118	Tailoring synthesis conditions of carbon microfibers to enhance the microporosity, CO ₂ and CH ₄ adsorption by using the response surface methodology. Microporous and Mesoporous Materials, 2020, 305, 110333.	2.2	6
119	H ₂ S and H ₂ O Combined Effect on CO ₂ Capture by Amino Functionalized Hollow Microsphere Silicas. Industrial & Engineering Chemistry Research, 2021, 60, 10139-10154.	1.8	6
120	REMOVAL OF COPPER ELECTROLYTE CONTAMINANTS BY ADSORPTION. Brazilian Journal of Chemical Engineering, 1997, 14, .	0.7	6
121	Mineral sorbents for downstream sodium capture in biomass gasifiers. Fuel Processing Technology, 2015, 138, 629-636.	3.7	5
122	Assessing mass transfer rates in porous adsorbents using gas adsorption microcalorimetry. Chemical Engineering Science, 2021, 229, 115983.	1.9	5
123	Design and optimization of new simulated moving bed plants. Brazilian Journal of Chemical Engineering, 2006, 23, 171-181.	0.7	4
124	Metal-impregnated carbon applied as adsorbent for removal of sulphur compounds using fixed-bed column technology. Environmental Technology (United Kingdom), 2014, 35, 1367-1377.	1.2	4
125	Deactivation Analysis of Industrial Spent Catalysts Applied to Lube Oil Hydrotreating in a Pilot Plant. Chemical Engineering and Technology, 2019, 42, 1018-1026.	0.9	4
126	Protein Adsorption onto Modified Porous Silica by Single and Binary Human Serum Protein Solutions. International Journal of Molecular Sciences, 2021, 22, 9164.	1.8	4

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127	Strategies to Improve Pore-Size Distribution Characterization of Activated Carbons Using CO ₂ and N ₂ Isotherms: Volume Regularization and Etched Slit Models. Adsorption Science and Technology, 2013, 31, 263-274.	1.5	3
128	Optimization of Cellulase Production by Trichoderma Strains Using Crude Glycerol as a Primary Carbon Source with a 24 Full Factorial Design. Waste and Biomass Valorization, 2018, 9, 357-367.	1.8	2
129	Experimental designs for optimizing the purification of immunoglobulin G by mixed-mode chromatography. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2019, 1125, 121719.	1.2	2
130	Simulation of CO ₂ /CH ₄ high pressure separation on microporous activated carbon. Chemical Engineering Communications, 2019, 206, 1414-1425.	1.5	2
131	Water adsorption in fresh and thermally aged zeolites: equilibrium and kinetics. Adsorption, 2021, 27, 1043-1053.	1.4	2
132	Modeling geosmin removal in a full-scale filter. Anais Da Academia Brasileira De Ciencias, 2020, 92, e20190453.	0.3	2
133	Insights into optimized synthesis conditions of hollow microspheres of silica for water vapor adsorption. Chemical Engineering Research and Design, 2022, 177, 583-593.	2.7	2
134	Preface of the Brazilian Congress on Chemical Engineering (COBEQ) 2016. Canadian Journal of Chemical Engineering, 2017, 95, 2238-2238.	0.9	1
135	EFFECTS OF ADSORPTION KINETICS ON SIMULATED MOVING BED PERFORMANCE. , 2000, , .		0
136	Storage and Transportation of Natural Gas at Moderate Pressures using Adsorption in Porous Materials. , 2011, , .		0
137	Editorial: Perspectives on Carbon Dioxide Capture and Conversion. Frontiers in Chemistry, 2021, 9, 664979.	1.8	0
138	High-temperature sorption of sodium vapors in typical outlet streams from biomass gasifiers. Brazilian Journal of Chemical Engineering, 2021, 38, 403.	0.7	0
139	Activated Carbons for H ₂ S Capture. Engineering Materials, 2021, , 197-215.	0.3	0
140	Mesoporous Phosphate Heterostructures: Synthesis and Application on Adsorption and Catalysis. , 2010, , 423-446.		0
141	Storage and Transportation of Natural Gas at Moderate Pressures using Adsorption in Porous Materials. , 2011, , .		0
142	ESTUDOS DE MICROCALORIMETRIA DE ADSORÇÃO DE CO ₂ EM ZEOLITOS "BINDER FREE" COM DIFERENTES CONDIÇÕES DE COMPENSAÇÃO. , 0, , .		0
143	AVLIAÇÃO DA EFICIÊNCIA DE PROCESSOS PSA NA REMOÇÃO DE CO ₂ . , 0, , .		0
144	EFEITO DO CALOR DE ADSORÇÃO DA MISTURA CO ₂ -N ₂ NA TEMPERATURA DE SAÍDA DE UMA COLUNA DE LEITO FIXO. , 0, , .		0

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145	ADSORÇÃO DE IMUNOGLOBULINAS G EM SILICAS MESOPOROSAS DO TIPO SBA 15. , 0, , .		0
146	ADSORÇÃO DE PROTEÍNAS DO SORO HUMANO EM QUITOSANA/ALGINATO EPOXIDADO IMOBILIZADO COM CORANTES REATIVOS: INFLUÊNCIA DOS SISTEMAS TAMPONANTES. , 0, , .		0
147	ADSORÇÃO DE HSA EM SILICAS MESOPOROSAS DO TIPO SBA 15 COM DIFERENTES RAZOES MOLARES DE Si/Zr. , 0, , .		0
148	PURIFICAÇÃO DE PROTEÍNAS DO SORO HUMANO POR CROMATOGRAFIA DE MODO MISTO. , 0, , .		0
149	Nanosponges for Carbon Dioxide Sequestration. Sustainable Agriculture Reviews, 2019, , 1-39.	0.6	0