

Diana Cs Azevedo

List of Publications by Year in descending order

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149
papers

4,924
citations

61857

43
h-index

114278

63
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154
all docs

154
docs citations

154
times ranked

4970
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Insights into optimized synthesis conditions of hollow microspheres of silica for water vapor adsorption. <i>Chemical Engineering Research and Design</i> , 2022, 177, 583-593.	2.7	2
3	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
4	LTA Zeolite Characterization Based on Pore Type Distribution. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 2268-2279.	1.8	8
5	How Reproducible are Surface Areas Calculated from the BET Equation?. <i>Advanced Materials</i> , 2022, 34, .	11.1	82
6	CO ₂ selectivity in CO ₂ :CH ₄ and CO ₂ :N ₂ mixtures on carbon microfibers (CMFs) and carbon microspheres (CMSs). <i>Fuel</i> , 2022, 324, 124242.	3.4	7
7	Assessing mass transfer rates in porous adsorbents using gas adsorption microcalorimetry. <i>Chemical Engineering Science</i> , 2021, 229, 115983.	1.9	5
8	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
9	Editorial: Perspectives on Carbon Dioxide Capture and Conversion. <i>Frontiers in Chemistry</i> , 2021, 9, 664979.	1.8	0
10	Parametric Analysis of a Moving Bed Temperature Swing Adsorption (MBTSA) Process for Postcombustion CO ₂ Capture. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 10736-10752.	1.8	16
11	High-temperature sorption of sodium vapors in typical outlet streams from biomass gasifiers. <i>Brazilian Journal of Chemical Engineering</i> , 2021, 38, 403.	0.7	0
12	H ₂ S and H ₂ O Combined Effect on CO ₂ Capture by Amino Functionalized Hollow Microsphere Silicas. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 10139-10154.	1.8	6
13	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
14	Protein Adsorption onto Modified Porous Silica by Single and Binary Human Serum Protein Solutions. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9164.	1.8	4
15	Water adsorption in fresh and thermally aged zeolites: equilibrium and kinetics. <i>Adsorption</i> , 2021, 27, 1043-1053.	1.4	2
16	Activated Carbons for H ₂ S Capture. <i>Engineering Materials</i> , 2021, , 197-215.	0.3	0
17	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
18	Evaluation of the thermal regeneration of an amine-grafted mesoporous silica used for CO ₂ /N ₂ separation. <i>Adsorption</i> , 2020, 26, 203-215.	1.4	18

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19	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
20	Assessment of CO ₂ desorption from 13X zeolite for a prospective TSA process. <i>Adsorption</i> , 2020, 26, 813-824.	1.4	26
21	Assessing CO ₂ Adsorption on Amino-Functionalized Mesocellular Foams Synthesized at Different Aging Temperatures. <i>Frontiers in Chemistry</i> , 2020, 8, 591766.	1.8	15
22	Tailoring synthesis conditions of carbon microfibers to enhance the microporosity, CO ₂ and CH ₄ adsorption by using the response surface methodology. <i>Microporous and Mesoporous Materials</i> , 2020, 305, 110333.	2.2	6
23	Assessment of the potential use of zeolites synthesized from power plant fly ash to capture CO ₂ under post-combustion scenario. <i>Adsorption</i> , 2020, 26, 1153-1164.	1.4	14
24	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
25	Representative Pores: An Efficient Method to Characterize Activated Carbons. <i>Frontiers in Chemistry</i> , 2020, 8, 595230.	1.8	10
26	Modeling geosmin removal in a full-scale filter. <i>Anais Da Academia Brasileira De Ciencias</i> , 2020, 92, e20190453.	0.3	2
27	Experimental designs for optimizing the purification of immunoglobulin G by mixed-mode chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1125, 121719.	1.2	2
28	Superior Performance of Mesoporous MOF MIL-100 (Fe) Impregnated with Ionic Liquids for CO ₂ Adsorption. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 2221-2228.	1.0	17
29	Deactivation Analysis of Industrial Spent Catalysts Applied to Lube Oil Hydrotreating in a Pilot Plant. <i>Chemical Engineering and Technology</i> , 2019, 42, 1018-1026.	0.9	4
30	Simulation of CO ₂ /CH ₄ high pressure separation on microporous activated carbon. <i>Chemical Engineering Communications</i> , 2019, 206, 1414-1425.	1.5	2
31	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
32	Nanosponges for Carbon Dioxide Sequestration. <i>Sustainable Agriculture Reviews</i> , 2019, , 1-39.	0.6	0
33	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
34	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
35	Binary gas mixture adsorption-induced deformation of microporous carbons by Monte Carlo simulation. <i>Journal of Colloid and Interface Science</i> , 2018, 522, 291-298.	5.0	7
36	Optimization of Cellulase Production by <i>Trichoderma</i> Strains Using Crude Glycerol as a Primary Carbon Source with a 24 Full Factorial Design. <i>Waste and Biomass Valorization</i> , 2018, 9, 357-367.	1.8	2

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37	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
38	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
39	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
40	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
41	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
42	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
43	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
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	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
46	Amino-modified pillared adsorbent from water-treatment solid wastes applied to CO ₂ /N ₂ separation. <i>Adsorption</i> , 2017, 23, 405-421.	1.4	16
47	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
48	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
49	Carbon Dioxide Capture by Pressure Swing Adsorption. <i>Energy Procedia</i> , 2017, 114, 2182-2192.	1.8	63
50	Adsorption study of reactive dyes onto porous clay heterostructures. <i>Applied Clay Science</i> , 2017, 135, 35-44.	2.6	80
51	Preface of the Brazilian Congress on Chemical Engineering (COBEQ) 2016. <i>Canadian Journal of Chemical Engineering</i> , 2017, 95, 2238-2238.	0.9	1
52	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
53	Adsorption behavior of bovine serum albumin on Zn-Al and Mg-Al layered double hydroxides. <i>Journal of Sol-Gel Science and Technology</i> , 2016, 80, 748-758.	1.1	19
54	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

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55	Adsorption of Polycyclic Aromatic Hydrocarbons from Heavy Naphthenic Oil Using Commercial Activated Carbons. 1. Fluid-Particle Studies. Industrial & Engineering Chemistry Research, 2016, 55, 8176-8183.	1.8	11
56	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
57	The effect of structure modifying agents in the SBA-15 for its application in the biomolecules adsorption. Microporous and Mesoporous Materials, 2016, 232, 53-64.	2.2	48
58	Adsorption equilibria of CO ₂ and CH ₄ in cation-exchanged zeolites 13X. Adsorption, 2016, 22, 71-80.	1.4	79
59	Stability of an Al-Fumarate MOF and Its Potential for CO ₂ Capture from Wet Stream. Industrial & Engineering Chemistry Research, 2016, 55, 2134-2143.	1.8	63
60	Why the pore geometry model could affect the uniqueness of the PSD in AC characterization. Adsorption, 2016, 22, 215-222.	1.4	10
61	CO ₂ /CH ₄ adsorption separation process using pore expanded mesoporous silicas functionalized by APTES grafting. Adsorption, 2015, 21, 565-575.	1.4	29
62	CO ₂ Adsorption on Ionic Liquid-Modified Cu-BTC: Experimental and Simulation Study. Adsorption Science and Technology, 2015, 33, 223-242.	1.5	37
63	Low Cost-Pore Expanded SBA-15 Functionalized with Amine Groups Applied to CO ₂ Adsorption. Materials, 2015, 8, 2495-2513.	1.3	48
64	Mineral sorbents for downstream sodium capture in biomass gasifiers. Fuel Processing Technology, 2015, 138, 629-636.	3.7	5
65	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
66	Production of α,β -unsaturated esters via Knoevenagel condensation of butyraldehyde and ethyl cyanoacetate over amine-containing carbon catalyst. Chemical Engineering Journal, 2015, 264, 565-569.	6.6	8
67	Evaluation of carbon dioxide-nitrogen separation through fixed bed measurements and simulations. Adsorption, 2014, 20, 945-957.	1.4	20
68	Human IgG adsorption using dye-ligand epoxy chitosan/alginate as adsorbent: influence of buffer system. Adsorption, 2014, 20, 925-934.	1.4	10
69	Improvement in the Adsorption of Anionic and Cationic Dyes from Aqueous Solutions: A Comparative Study using Aluminium Pillared Clays and Activated Carbon. Separation Science and Technology, 2014, 49, 741-751.	1.3	24
70	Adsorption of CO ₂ on Amine-Grafted Activated Carbon. Adsorption Science and Technology, 2014, 32, 141-151.	1.5	6
71	CO ₂ adsorption on APTES functionalized mesocellular foams obtained from mesoporous silicas. Microporous and Mesoporous Materials, 2014, 187, 125-134.	2.2	73
72	Pd-loaded mesoporous silica as a robust adsorbent in adsorption/desorption desulfurization cycles. Fuel, 2014, 126, 96-103.	3.4	26

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73	CO ₂ adsorption in amine-grafted zeolite 13X. Applied Surface Science, 2014, 314, 314-321.	3.1	114
74	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
75	Effect of the pore geometry in the characterization of the pore size distribution of activated carbons. Adsorption, 2013, 19, 601-609.	1.4	15
76	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
77	Characterization of the PSD of activated carbons by a heterogeneous surface mixed model. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 437, 69-75.	2.3	12
78	Improvement in the adsorption of thiabendazole by using aluminum pillared clays. Applied Clay Science, 2013, 71, 55-63.	2.6	59
79	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
80	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
81	Studies on the adsorption behavior of CO ₂ -CH ₄ mixtures using activated carbon. Brazilian Journal of Chemical Engineering, 2013, 30, 939-951.	0.7	60
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	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
84	Adsorption microcalorimetry applied to the characterisation of adsorbents for CO ₂ capture. Canadian Journal of Chemical Engineering, 2012, 90, 1372-1380.	0.9	25
85	Synthesis and Characterization of Metal-Supported Mesoporous Silicas Applied to the Adsorption of Benzothiophene. Adsorption Science and Technology, 2011, 29, 691-704.	1.5	7
86	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
87	Storage and Transportation of Natural Gas at Moderate Pressures using Adsorption in Porous Materials. , 2011, , .		0
88	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
89	Assessment of biodegradability and oxidation stability of mineral, vegetable and synthetic oil samples. Industrial Crops and Products, 2011, 33, 579-583.	2.5	47
90	Carbon dioxide-nitrogen separation through pressure swing adsorption. Chemical Engineering Journal, 2011, 172, 698-704.	6.6	79

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91	Adsorption of CO ₂ on nitrogen-enriched activated carbon and zeolite 13X. Adsorption, 2011, 17, 235-246.	1.4	175
92	Evaluation of a mixed geometry model for the characterization of activated carbons. Adsorption, 2011, 17, 551-560.	1.4	9
93	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
94	Characterization of the PSD of activated carbons from peach stones for separation of combustion gas mixtures. Adsorption, 2011, 17, 853-861.	1.4	22
95	Adsorption of naphthalene and pyrene from isooctane solutions on commercial activated carbons. Adsorption, 2011, 17, 937-947.	1.4	17
96	Carbon dioxide-nitrogen separation through adsorption on activated carbon in a fixed bed. Chemical Engineering Journal, 2011, 169, 11-19.	6.6	153
97	Experimental analysis of the efficiency on charge/discharge cycles in natural gas storage by adsorption. Fuel, 2011, 90, 113-119.	3.4	47
98	FTIR assessment of the oxidation process of castor oil FAME submitted to PetroOXY and Rancimat methods. Fuel Processing Technology, 2011, 92, 1152-1155.	3.7	38
99	On the production of glucose and fructose syrups from cashew apple juice derivatives. Journal of Food Engineering, 2011, 102, 355-360.	2.7	17
100	Storage and Transportation of Natural Gas at Moderate Pressures using Adsorption in Porous Materials. , 2011, , .		0
101	Characterization of activated carbons from peach stones through the mixed geometry model. Microporous and Mesoporous Materials, 2010, 134, 181-188.	2.2	29
102	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
103	Studies of C ₈ aromatics adsorption in BaY and mordenite molecular sieves using the headspace technique. Adsorption, 2010, 16, 525-530.	1.4	7
104	Characterization of PSD of activated carbons by using slit and triangular pore geometries. Applied Surface Science, 2010, 256, 5191-5197.	3.1	29
105	Molecular simulation of collection of methane isotherms in carbon material using all-atom and united atom models. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 357, 53-60.	2.3	21
106	The effect of heterogeneity in the randomly etched graphite model for carbon pore size characterization. Carbon, 2010, 48, 2554-2565.	5.4	48
107	Thiophene Adsorption on Microporous Activated Carbons Impregnated with PdCl ₂ . Energy & Fuels, 2010, 24, 3436-3442.	2.5	34
108	Mesoporous Phosphate Heterostructures: Synthesis and Application on Adsorption and Catalysis. , 2010, , 423-446.		0

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109	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
110	Transesterification of ethyl butyrate with methanol using MgO/CaO catalysts. <i>Journal of Molecular Catalysis A</i> , 2009, 300, 19-24.	4.8	68
111	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
112	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
113	Properties of biodiesel oils formulated using different biomass sources and their blends. <i>Renewable Energy</i> , 2009, 34, 857-859.	4.3	88
114	Assessment of surface acidity in mesoporous materials containing aluminum and titanium. <i>Applied Surface Science</i> , 2009, 255, 6205-6209.	3.1	11
115	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
116	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
117	Purification and Characterization of Microbial Hyaluronic Acid by Solvent Precipitation and Size-Exclusion Chromatography. <i>Separation Science and Technology</i> , 2009, 44, 906-923.	1.3	15
118	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
119	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
120	Adsorptive separation of fructose and glucose from an agroindustrial waste of cashew industry. <i>Bioresource Technology</i> , 2008, 99, 2455-2465.	4.8	51
121	CaO supported on mesoporous silicas as basic catalysts for transesterification reactions. <i>Applied Catalysis A: General</i> , 2008, 334, 35-43.	2.2	281
122	MgM (M=Al and Ca) oxides as basic catalysts in transesterification processes. <i>Applied Catalysis A: General</i> , 2008, 347, 162-168.	2.2	86
123	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
124	Removal of Aromatic Compounds from Mineral Naphthenic Oil by Adsorption. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 3207-3212.	1.8	27
125	Effects of textural and surface characteristics of microporous activated carbons on the methane adsorption capacity at high pressures. <i>Applied Surface Science</i> , 2007, 253, 5721-5725.	3.1	88
126	Microporous activated carbon prepared from coconut shells using chemical activation with zinc chloride. <i>Microporous and Mesoporous Materials</i> , 2007, 100, 361-364.	2.2	165

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127	Design and optimization of new simulated moving bed plants. Brazilian Journal of Chemical Engineering, 2006, 23, 171-181.	0.7	4
128	A Theoretical and Experimental Study of Charge and Discharge Cycles in a Storage Vessel for Adsorbed Natural Gas. Adsorption, 2005, 11, 147-157.	1.4	50
129	Methane Adsorption Storage Using Microporous Carbons Obtained from Coconut Shells. Adsorption, 2005, 11, 911-915.	1.4	42
130	Separation of Fructose and Glucose from Cashew Apple Juice by SMB Chromatography. Separation Science and Technology, 2005, 40, 1761-1780.	1.3	19
131	Thermo-Oxidative Stability of Mineral Naphthenic Insulating Oils: A Combined Effect of Antioxidants and Metal Passivator. Industrial & Engineering Chemistry Research, 2004, 43, 7428-7434.	1.8	64
132	Dextran and fructose separation on an SMB continuous chromatographic unit. Biochemical Engineering Journal, 2002, 12, 215-221.	1.8	14
133	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
134	Fructose glucose separation in a SMB pilot unit: Modeling, simulation, design, and operation. AIChE Journal, 2001, 47, 2042-2051.	1.8	91
135	Sorption and Diffusion of p-Xylene and o-Xylene in Aluminophosphate Molecular Sieve AlPO4-11. Adsorption, 2000, 6, 53-59.	1.4	17
136	EFFECTS OF ADSORPTION KINETICS ON SIMULATED MOVING BED PERFORMANCE. , 2000, , .		0
137	Obtainment of High-Fructose Solutions from Cashew (Anacardium occidentale) Apple Juice by Simulated Moving-Bed Chromatography. Separation Science and Technology, 2000, 35, 2561-2581.	1.3	34
138	SMB chromatography applied to the separation/purification of fructose from cashew apple juice. Brazilian Journal of Chemical Engineering, 2000, 17, 507-516.	0.7	12
139	Enantiomers separation by simulated moving bed chromatography. Journal of Chromatography A, 1999, 865, 187-200.	1.8	24
140	Design of a simulated moving bed in the presence of mass-transfer resistances. AIChE Journal, 1999, 45, 956-966.	1.8	111
141	Bilinear Driving Force Approximation in the Modeling of a Simulated Moving Bed Using Bidisperse Adsorbents. Industrial & Engineering Chemistry Research, 1999, 38, 3519-3529.	1.8	27
142	REMOVAL OF COPPER ELECTROLYTE CONTAMINANTS BY ADSORPTION. Brazilian Journal of Chemical Engineering, 1997, 14, .	0.7	6
143	ESTUDOS DE MICROCALORIMETRIA DE ADSORÇÃO DE CO2 EM ZEOLITOS "BINDER FREE" COM DIFERENTES CÂNDONS DE COMPENSAÇÃO. , 0, , .		0
144	AVALIAÇÃO DA EFICIÊNCIA DE PROCESSOS PSA NA REMOÇÃO DE CO2. , 0, , .		0

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145	EFEITO DO CALOR DE ADSORÇÃO DA MISTURA CO ₂ -N ₂ NA TEMPERATURA DE SAÍDA DE UMA COLUNA DE LEITO FIXO. , 0, , .		0
146	ADSORÇÃO DE IMUNOGLOBULINAS G EM SILICAS MESOPOROSAS DO TIPO SBA 15. , 0, , .		0
147	ADSORÇÃO DE PROTEÍNAS DO SORO HUMANO EM QUITOSANA/ALGINATO EPOXIDADO IMOBILIZADO COM CORANTES REATIVOS: INFLUÊNCIA DOS SISTEMAS TAMPONANTES. , 0, , .		0
148	ADSORÇÃO DE HSA EM SILICAS MESOPOROSAS DO TIPO SBA 15 COM DIFERENTES RAZOES MOLARES DE Si/Zr. , 0, , .		0
149	PURIFICAÇÃO DE PROTEÍNAS DO SORO HUMANO POR CROMATOGRAFIA DE MODO MISTO. , 0, , .		0