

Celio L Cavalcante

List of Publications by Year in descending order

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144
papers

4,682
citations

76294

40
h-index

123376

61
g-index

146
all docs

146
docs citations

146
times ranked

4850
citing authors

#	ARTICLE	IF	CITATIONS
1	Tribological properties of bio-based lubricant basestock obtained from pequi oil (Caryocar) Tj ETQq1 1 0.784314 rgBT/Overlock 10 Tf 50	0.8	7
2	Production of Jet Biofuels by Catalytic Hydroprocessing of Esters and Fatty Acids: A Review. Catalysts, 2022, 12, 237.	1.6	23
3	Accelerated oxidation of fresh and stored biodiesel samples obtained from castor and soybean oils using the petrooxy method. Biofuels, 2021, 12, 543-547.	1.4	2
4	Assessing mass transfer rates in porous adsorbents using gas adsorption microcalorimetry. Chemical Engineering Science, 2021, 229, 115983.	1.9	5
5	Production of biolubricants from soybean oil: Studies for an integrated process with the current biodiesel industry. Chemical Engineering Research and Design, 2021, 165, 456-466.	2.7	22
6	Effect of additives on the oxidative stability and corrosivity of biodiesel samples derived from babassu oil and residual frying oil: An experimental and theoretical assessment. Fuel, 2021, 289, 119939.	3.4	11
7	Biodegradable base stock oils obtained from ricinoleic acid using C8 alcohols and process integration into a biodiesel industry. Biomass Conversion and Biorefinery, 2021, 11, 803-814.	2.9	6
8	Oxidation Studies on Mineral Insulating Oil Using an Accelerated Method with Continuous Online Monitoring. IEEE Transactions on Dielectrics and Electrical Insulation, 2021, 28, 630-636.	1.8	1
9	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
10	Activated Carbons for H ₂ S Capture. Engineering Materials, 2021, , 197-215.	0.3	0
11	Special issue on the 13th Brazilian meeting on adsorption. Adsorption, 2021, 27, 1001-1002.	1.4	0
12	Glycerol valorization: conversion to lactic acid by heterogeneous catalysis and separation by ion exchange chromatography. Biofuels, Bioproducts and Biorefining, 2020, 14, 357-370.	1.9	25
13	Synthesis and Characterization of Potential Bio-Based Lubricant Basestocks via Epoxidation Process. JAOCS, Journal of the American Oil Chemists' Society, 2020, 97, 437-446.	0.8	20
14	Effects of Amine and Phenolic Based Antioxidants on the Stability of Babassu Biodiesel Using Rancimat and Differential Scanning Calorimetry Techniques. Industrial & Engineering Chemistry Research, 2020, 59, 18-24.	1.8	19
15	Chemical modification of castor oil fatty acids (Ricinus communis) for biolubricant applications: An alternative for Brazil's green market. Industrial Crops and Products, 2020, 145, 112000.	2.5	34
16	Babassu Biodiesel Doped with Antioxidants: Assessment of Thermo-Oxidative Stability by Borchardt and Daniels Method. JAOCS, Journal of the American Oil Chemists' Society, 2020, 97, 1355-1363.	0.8	0
17	Evaluation of oxidative stability of soybean biodiesel using ethanolic and chloroform extracts of Platymiscium floribundum as antioxidant. Renewable Energy, 2020, 159, 767-774.	4.3	15
18	A potential bio-antioxidant for mineral oil from cashew nutshell liquid: an experimental and theoretical approach. Brazilian Journal of Chemical Engineering, 2020, 37, 369-381.	0.7	10

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19	Fatty acid alkyl esters obtained from babassu oil using C1–C8 alcohols and process integration into a typical biodiesel plant. <i>Chemical Engineering Research and Design</i> , 2020, 160, 224-232.	2.7	8
20	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
21	An Overview of the Biolubricant Production Process: Challenges and Future Perspectives. <i>Processes</i> , 2020, 8, 257.	1.3	116
22	Surface acid-base properties of Cu-BTC and Fe-BTC MOFs. An inverse gas chromatography and n-butylamine thermo desorption study. <i>Inorganica Chimica Acta</i> , 2020, 507, 119590.	1.2	9
23	Sulfonated activated carbons as potential catalysts for biolubricant synthesis. <i>Molecular Catalysis</i> , 2020, 488, 110888.	1.0	16
24	Representative Pores: An Efficient Method to Characterize Activated Carbons. <i>Frontiers in Chemistry</i> , 2020, 8, 595230.	1.8	10
25	CO ₂ adsorption capacity of zeolites synthesized from coal fly ashes. <i>Fuel</i> , 2020, 276, 118143.	3.4	62
26	Castor–babassu biodiesel blends: estimating kinetic parameters by Differential Scanning Calorimetry using the Borchardt and Daniels method. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	6
27	Potential Bio-Based Lubricants Synthesized from Highly Unsaturated Soybean Fatty Acids: Physicochemical Properties and Thermal Degradation. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 17709-17717.	1.8	10
28	Oxidative stability of mineral naphthenic insulating oils: Optimization of commercial antioxidants and metal passivators. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2019, 26, 240-246.	1.8	4
29	Oxidative Stability of Acylated and Hydrogenated Ricinoleates Using Synthetic and Natural Antioxidants. <i>Journal of Chemistry</i> , 2019, 2019, 1-10.	0.9	12
30	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
31	Influence of Synthetic and Natural Antioxidants on the Oxidation Stability of Beef Tallow Before Biodiesel Production. <i>Waste and Biomass Valorization</i> , 2019, 10, 797-803.	1.8	22
32	Pure and Binary Adsorption of Carbon Dioxide and Nitrogen on AQSOA FAM Z02. <i>Journal of Chemical & Engineering Data</i> , 2018, 63, 661-670.	1.0	11
33	Short-chain esters enriched biofuel obtained from vegetable oil using molecular distillation. <i>Canadian Journal of Chemical Engineering</i> , 2018, 96, 1071-1078.	0.9	10
34	Natural and Modified Montmorillonite Clays as Catalysts for Synthesis of Biolubricants. <i>Materials</i> , 2018, 11, 1764.	1.3	36
35	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
36	Assessment of commercial resins in the biolubricants production from free fatty acids of castor oil. <i>Catalysis Today</i> , 2017, 279, 274-285.	2.2	29

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37	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
38	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
39	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
40	Synthesis of biolubricants by the esterification of free fatty acids from castor oil with branched alcohols using cationic exchange resins as catalysts. <i>Industrial Crops and Products</i> , 2017, 104, 52-61.	2.5	55
41	Influence of pore size and loading for Nb ₂ O ₅ /SBA-15 catalysts on synthetic ester production from free fatty acids of castor oil. <i>Molecular Catalysis</i> , 2017, 436, 267-275.	1.0	16
42	Benzothiophene adsorption on M/SBA-15 and M/SBA-15/NH ₄ F modified (M = Fe or Co) in liquid phase batch system. <i>Canadian Journal of Chemical Engineering</i> , 2017, 95, 2315-2323.	0.9	6
43	Performance and emissions characteristics of castor oil biodiesel fuel blends. <i>Applied Thermal Engineering</i> , 2017, 125, 559-566.	3.0	80
44	Relevance of the Physicochemical Properties of Calcined Quail Eggshell (CaO) as a Catalyst for Biodiesel Production. <i>Journal of Chemistry</i> , 2017, 2017, 1-12.	0.9	37
45	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
46	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
47	Adsorption of Polycyclic Aromatic Hydrocarbons from Heavy Naphthenic Oil Using Commercial Activated Carbons. 2. Column Adsorption Studies. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 8184-8190.	1.8	7
48	WO ₃ -based catalysts supported on porous clay heterostructures (PCH) with Si-Zr pillars for synthetic esters production. <i>Applied Clay Science</i> , 2016, 124-125, 69-78.	2.6	35
49	Rapid assessment of total and polycyclic aromatic contents in heavy oils. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 215.	1.3	6
50	Adsorption and separation of propane and propylene by Cuban natural volcanic glass. <i>Materials Chemistry and Physics</i> , 2015, 168, 132-137.	2.0	4
51	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
52	Characterization and application of dolomite as catalytic precursor for canola and sunflower oils for biodiesel production. <i>Chemical Engineering Journal</i> , 2015, 269, 35-43.	6.6	101
53	Synthesis of lactic acid from glycerol using a Pd/C catalyst. <i>Fuel Processing Technology</i> , 2015, 138, 228-235.	3.7	33
54	Studies on biodegradability of bio-based lubricants. <i>Tribology International</i> , 2015, 92, 301-306.	3.0	55

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55	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
56	Obtaining Long-Chain Esters with Lubricant Properties from Sesame Biomass (<i>Sesamum indicum</i>). , 2015, , 31-38.		1
57	CO ₂ adsorption on amine modified mesoporous silicas: Effect of the progressive disorder of the honeycomb arrangement. <i>Microporous and Mesoporous Materials</i> , 2015, 209, 172-183.	2.2	96
58	Calcium/chitosan spheres as catalyst for biodiesel production. <i>Polymer International</i> , 2015, 64, 242-249.	1.6	19
59	Scale inhibitor adsorption studies in rock sandstone type. <i>Adsorption</i> , 2014, 20, 977-985.	1.4	8
60	Evaluation of carbon dioxide-nitrogen separation through fixed bed measurements and simulations. <i>Adsorption</i> , 2014, 20, 945-957.	1.4	20
61	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
62	Pd-loaded mesoporous silica as a robust adsorbent in adsorption/desorption desulfurization cycles. <i>Fuel</i> , 2014, 126, 96-103.	3.4	26
63	Characterization of calcium oxide catalysts from natural sources and their application in the transesterification of sunflower oil. <i>Bioresource Technology</i> , 2014, 151, 207-213.	4.8	169
64	Molecular simulation of natural gas storage in Cu-BTC metal-organic framework. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 462, 194-201.	2.3	22
65	Metal-impregnated carbon applied as adsorbent for removal of sulphur compounds using fixed-bed column technology. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 1367-1377.	1.2	4
66	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
67	Pore wall thickness and interpore influence on adsorption of alkanes in carbons using explicit pore models. <i>Adsorption</i> , 2012, 18, 113-119.	1.4	9
68	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
69	A new and efficient procedure for removing calcium soaps in biodiesel obtained using CaO as a heterogeneous catalyst. <i>Fuel</i> , 2012, 95, 464-470.	3.4	54
70	Transesterification of soybean oil using ethanol and mesoporous silica catalyst. <i>Renewable Energy</i> , 2012, 38, 136-140.	4.3	17
71	Synthesis and Characterization of Metal-Supported Mesoporous Silicas Applied to the Adsorption of Benzothiophene. <i>Adsorption Science and Technology</i> , 2011, 29, 691-704.	1.5	7
72	Unusual Adsorption Site Behavior in PCN-14 Metal-Organic Framework Predicted from Monte Carlo Simulation. <i>Journal of the American Chemical Society</i> , 2011, 133, 19282-19285.	6.6	32

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73	Jorge (Giorgio) Zgrablich. Adsorption Science and Technology, 2011, 29, 423-424.	1.5	1
74	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
75	Assessment of biodegradability and oxidation stability of mineral, vegetable and synthetic oil samples. Industrial Crops and Products, 2011, 33, 579-583.	2.5	47
76	Isomerization of n-hexane on Pt-Ni catalysts supported on nanocrystalline H-BEA zeolite. Catalysis Today, 2011, 172, 195-202.	2.2	41
77	Adsorption of CO ₂ on nitrogen-enriched activated carbon and zeolite 13X. Adsorption, 2011, 17, 235-246.	1.4	175
78	Evaluation of a mixed geometry model for the characterization of activated carbons. Adsorption, 2011, 17, 551-560.	1.4	9
79	On the influence of heterogeneity of graphene sheets in determination of the pore size distribution of activated carbons. Adsorption, 2011, 17, 845-851.	1.4	17
80	Characterization of the PSD of activated carbons from peach stones for separation of combustion gas mixtures. Adsorption, 2011, 17, 853-861.	1.4	22
81	Adsorption of naphthalene and pyrene from isooctane solutions on commercial activated carbons. Adsorption, 2011, 17, 937-947.	1.4	17
82	Experimental analysis of the efficiency on charge/discharge cycles in natural gas storage by adsorption. Fuel, 2011, 90, 113-119.	3.4	47
83	Oleic acid esterification with ethanol under continuous water removal conditions. Fuel, 2011, 90, 902-904.	3.4	35
84	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
85	On the production of glucose and fructose syrups from cashew apple juice derivatives. Journal of Food Engineering, 2011, 102, 355-360.	2.7	17
86	Storage and Transportation of Natural Gas at Moderate Pressures using Adsorption in Porous Materials. , 2011, , .		0
87	Ethanolysis of Soybean Oil Using Mesoporous Molecular Sieves. , 2011, , .		0
88	Characterization of activated carbons from peach stones through the mixed geometry model. Microporous and Mesoporous Materials, 2010, 134, 181-188.	2.2	29
89	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
90	Studies of C ₈ aromatics adsorption in BaY and mordenite molecular sieves using the headspace technique. Adsorption, 2010, 16, 525-530.	1.4	7

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91	Biodiesel production from waste coconut oil by esterification with ethanol: The effect of water removal by adsorption. <i>Renewable Energy</i> , 2010, 35, 2581-2584.	4.3	62
92	Effect of framework distortion on xylene adsorption in AlPO ₄ -11 predicted from Monte Carlo simulations. <i>Microporous and Mesoporous Materials</i> , 2010, 127, 157-160.	2.2	2
93	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
94	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
95	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
96	Thiophene Adsorption on Microporous Activated Carbons Impregnated with PdCl ₂ . <i>Energy & Fuels</i> , 2010, 24, 3436-3442.	2.5	34
97	Viscosities and Densities of Binary Mixtures of Coconut + Colza and Coconut + Soybean Biodiesel at Various Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 3909-3914.	1.0	56
98	Mesoporous Phosphate Heterostructures: Synthesis and Application on Adsorption and Catalysis. , 2010, , 423-446.		0
99	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
100	Sorption kinetics of linear paraffins in zeolite BEA nanocrystals. <i>Microporous and Mesoporous Materials</i> , 2009, 124, 236-237.	2.2	1
101	Transesterification of ethyl butyrate with methanol using MgO/CaO catalysts. <i>Journal of Molecular Catalysis A</i> , 2009, 300, 19-24.	4.8	68
102	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
103	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
104	Properties of biodiesel oils formulated using different biomass sources and their blends. <i>Renewable Energy</i> , 2009, 34, 857-859.	4.3	88
105	Assessment of surface acidity in mesoporous materials containing aluminum and titanium. <i>Applied Surface Science</i> , 2009, 255, 6205-6209.	3.1	11
106	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
107	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
108	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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109	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
110	Adsorptive separation of fructose and glucose from an agroindustrial waste of cashew industry. <i>Bioresource Technology</i> , 2008, 99, 2455-2465.	4.8	51
111	CaO supported on mesoporous silicas as basic catalysts for transesterification reactions. <i>Applied Catalysis A: General</i> , 2008, 334, 35-43.	2.2	281
112	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
113	Studies on adsorption equilibrium of xylenes in AEL framework using biased GCMC and energy minimization. <i>Microporous and Mesoporous Materials</i> , 2008, 111, 89-96.	2.2	18
114	Sorption kinetics of linear paraffins in zeolite BEA nanocrystals. <i>Microporous and Mesoporous Materials</i> , 2008, 116, 352-357.	2.2	21
115	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
116	Removal of Aromatic Compounds from Mineral Naphthenic Oil by Adsorption. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 3207-3212.	1.8	27
117	Adsorption equilibrium in one-dimensional molecular sieve: a study of force fields effect on linear alkanes molecules. <i>Molecular Simulation</i> , 2008, 34, 1337-1349.	0.9	2
118	Sensitivity to guest-host force fields in adsorption equilibrium of cyclic hydrocarbons in one-dimensional molecular sieve. <i>Molecular Simulation</i> , 2007, 33, 437-448.	0.9	4
119	Synthesis and characterization of Al- and Ti-MCM-41 materials: application to oxidation of anthracene. <i>Brazilian Journal of Chemical Engineering</i> , 2007, 24, 135-141.	0.7	4
120	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
121	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
122	Monte Carlo and energy minimization studies of binary xylene adsorption in AEL and AFI networks. <i>Adsorption</i> , 2007, 13, 477.	1.4	7
123	Structural analysis and adsorption sites of xylenes in AlPO ₄ -5 and AlPO ₄ -11 using molecular simulation. <i>Microporous and Mesoporous Materials</i> , 2006, 88, 135-144.	2.2	12
124	Ortho-selectivity in aluminophosphate molecular sieves: A molecular simulation study. <i>Adsorption</i> , 2006, 12, 423.	1.4	7
125	Adsorption of light alkanes on coconut nanoporous activated carbon. <i>Brazilian Journal of Chemical Engineering</i> , 2006, 23, 555-561.	0.7	16
126	Adsorption Equilibrium of Alkanes on a High Surface Area Activated Carbon Prepared from Brazilian Coconut Shells. <i>Adsorption</i> , 2005, 11, 107-111.	1.4	28

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127	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
128	Methane Adsorption Storage Using Microporous Carbons Obtained from Coconut Shells. <i>Adsorption</i> , 2005, 11, 911-915.	1.4	42
129	Adsorption Equilibria of C8 Aromatic Liquid Mixtures on Y Zeolites Using Headspace Chromatography. <i>Separation Science and Technology</i> , 2005, 40, 1817-1834.	1.3	12
130	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
131	Diffusion of Paraffins in Dealuminated Y Mesoporous Molecular Sieve. <i>Adsorption</i> , 2003, 9, 205-212.	1.4	28
132	Reclamation of Used Transformer Oil by Adsorption. <i>Tribology Transactions</i> , 2003, 46, 223-227.	1.1	3
133	Adsorption of Oxygenates from Used Transformer Oil Using Surfactant- and Microemulsion-Impregnated Clays. <i>Industrial & Engineering Chemistry Research</i> , 2002, 41, 3042-3043.	1.8	0
134	Single - and multi-component liquid phase adsorption measurements by headspace chromatography. <i>Brazilian Journal of Chemical Engineering</i> , 2001, 18, 121-125.	0.7	9
135	Sorption and Diffusion of p-Xylene and o-Xylene in Aluminophosphate Molecular Sieve AlPO4-11. <i>Adsorption</i> , 2000, 6, 53-59.	1.4	17
136	Heat Effects in ZLC Experiments. <i>Adsorption</i> , 1998, 4, 275-285.	1.4	31
137	Evaluation of the main diffusion path in zeolites from ZLC desorption curves. <i>Zeolites</i> , 1997, 18, 282-285.	0.9	24
138	The first Brazilian meeting on adsorption. <i>Adsorption</i> , 1996, 2, iii-iii.	1.4	0
139	Diffusion of n-paraffins in offretite-erionite type zeolites. <i>Zeolites</i> , 1995, 15, 293-307.	0.9	59
140	Adsorption of Branched and Cyclic Paraffins in Silicalite. 2. Kinetics. <i>Industrial & Engineering Chemistry Research</i> , 1995, 34, 185-191.	1.8	109
141	Adsorption of Branched and Cyclic Paraffins in Silicalite. 1. Equilibrium. <i>Industrial & Engineering Chemistry Research</i> , 1995, 34, 177-184.	1.8	106
142	Separation of cyclohexane from 2,2 and 2,4 dimethyl pentanes by adsorption in silicalite. <i>Studies in Surface Science and Catalysis</i> , 1994, 84, 1209-1216.	1.5	1
143	Air-Cooled Design of a Temperature-Swing Adsorption Compressor for Closed-Loop Air Revitalization Systems. , 0, , .		3
144	Sulfonated MCM-41 as potential catalyst to obtain biolubricants from vegetable oil. <i>Brazilian Journal of Chemical Engineering</i> , 0, , 1.	0.7	0