Edson AntÃ´nio Da Silva

List of Publications by Year
in descending order

165 papers	4,032 citations	117625 34 h-index	155660 55 g-index
166 all docs	166 docs citations	166 times ranked	4270 citing authors

#	Article	IF	Citations
1	Multiâ€enzymatic recovery of fungal cellulases (<scp>Aspergillus niger</scp>) through solidâ€state fermentation of sugarcane bagasse. Canadian Journal of Chemical Engineering, 2022, 100, 1930-1940.	1.7	4
2	Ultraviolet radiation as an antimicrobial treatment in Brazilian diesel oil: Effect of biodiesel, sulfur, and water contents. Fuel, 2022, 308, 122076.	6.4	2
3	Evaluation of the ethanolic ultrasound-assisted extraction from clove (Syzygium aromaticum) leaves and chemical characterization of the extracts. Food Chemistry, 2022, 373, 131351.	8.2	14
4	Improved extraction of bioactive compounds from Monteverdia aquifolia leaves by pressurized-liquid and ultrasound-assisted extraction: Yield and chemical composition. Journal of Supercritical Fluids, 2022, 181, 105468.	3.2	12
5	Adsorption of atrazine from aqueous systems on chemically activated biochar produced from corn straw. Journal of Environmental Chemical Engineering, 2022, 10, 107039.	6.7	19
6	Composition and oxidative stability of oils extracted from Zophobas morio and Tenebrio molitor using pressurized n-propane. Journal of Supercritical Fluids, 2022, 181, 105504.	3.2	3
7	Biosorption of uranium from aqueous solutions by Azolla sp. and Limnobium laevigatum. Environmental Science and Pollution Research, 2022, 29, 45221-45229.	5.3	1
8	Briquette production from a mixture of biomass: poultry slaughterhouse sludge and sawdust. Environmental Science and Pollution Research, 2022, , 1.	5.3	0
9	Extraction of natural antioxidants from strawberry guava leaf by conventional and non-conventional techniques. Chemical Engineering Communications, 2021, 208, 1131-1142.	2.6	10
10	Evaluation of favela seed oil extraction with alternative solvents and pressurized-liquid ethanol. Journal of Supercritical Fluids, 2021, 169, 105125.	3.2	22
11	Study of pyrolysis kinetic of green corn husk. Journal of Thermal Analysis and Calorimetry, 2021, 143, 3181-3192.	3.6	14
12	Catalyst-free production of fatty acid ethyl esters (FAEE) from macauba pulp oil. Grasas Y Aceites, 2021, 72, e398.	0.9	1
13	Hyaluronic acid incorporation into nanoemulsions containing Pterodon pubescens Benth. Fruit oil for topical drug delivery. Biocatalysis and Agricultural Biotechnology, 2021, 32, 101939.	3.1	5
14	An analysis about analytical calculation of volume roots from cubic equations of state. AICHE Journal, 2021, 67, e17273.	3.6	1
15	Ultrasoundâ€assisted extraction of favela (Cnidoscolus quercifolius) seed oil using ethanol as a solvent. Journal of Food Processing and Preservation, 2021, 45, e15497.	2.0	17
16	Techno-economical optimization of uvaia (Eugenia pyriformis) extraction using supercritical fluid technology. Journal of Supercritical Fluids, 2021, 174, 105239.	3.2	13
17	Production of a synbiotic composed of galacto-oligosaccharides and Saccharomyces boulardii using enzymatic-fermentative method. Food Chemistry, 2021, 353, 129486.	8.2	11
18	Hydroisomerization of n-hexadecane under mesoporous molecular sieve Pt/Al-SBA-15. Molecular Catalysis, 2021, 512, 111737.	2.0	5

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19	Ag and CuO nanoparticles decorated on graphene oxide/activated carbon as a novel adsorbent for the removal of cephalexin from water. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 627, 127203.	4.7	18
20	Extracts from red AraÃ§Ã¡ (Psidium cattleianum) fruits: Extraction process, modelling and assessment of the bioactivity potentialities. Journal of Supercritical Fluids, 2021, 176, 105278.	3.2	6
21	Guariroba (Syagrus oleracea) kernel oil extraction using supercritical CO2 and compressed propane and its characterization. Journal of Supercritical Fluids, 2021, 177, 105326.	3.2	4
22	Cheese whey permeate valorization using sequential fermentations: case study performed in the Western Region of ParanÃ¡. Research, Society and Development, 2021, 10, e212101321082.	0.1	0
23	AnÃ¡lise energÃ©tica e exergÃ©tica de um motor de igniÃ§Ã£o por compressÃ£o operando com diesel e biodiesel. Research, Society and Development, 2021, 10, e145101623471.	0.1	0
24	Improvement of biohydrogen production from brewery wastewater: Evaluation of inocula, support and reactor. International Journal of Hydrogen Energy, 2020, 45, 5216-5226.	7.1	23
25	Photodamage on Staphylococcus aureus by natural extract from Tetragonia tetragonoides (Pall.) Kuntze: Clean method of extraction, characterization and photophysical studies. Journal of Photochemistry and Photobiology B: Biology, 2020, 203, 111763.	3.8	19
26	Extraction and assessment of oil and bioactive compounds from cashew nut (Anacardium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td 2020, 157, 104686.	3.2	26
27	Production of linseed diacylglycerol-rich oil by combined glycerolysis and esterification. Industrial Crops and Products, 2020, 145, 111937.	5.2	11
28	Use of calcium alginate beads and Saccharomyces cerevisiae for biosorption of 241Am. Journal of Environmental Radioactivity, 2020, 223-224, 106399.	1.7	8
29	Effect of ultraviolet radiation on inactivation of microorganisms present in Brazilian diesel fuel. Biofuels, Bioproducts and Biorefining, 2020, 14, 1152-1162.	3.7	2
30	Mathematical modeling of supercritical CO2 extraction of Eugenia pyriformis Cambess. leaves. Chemical Engineering Communications, 2020, , 1-10.	2.6	2
31	The use of rice and coffee husks for biosorption of U (total), 241Am, and 137Cs in radioactive liquid organic waste. Environmental Science and Pollution Research, 2020, 27, 36651-36663.	5.3	11
32	Production of biohydrogen by an anaerobic digestion process using the residual glycerol from biodiesel production as additive to cassava wastewater. Journal of Cleaner Production, 2020, 258, 120833.	9.3	30
33	Supercritical CO2 extraction of favela (Cnidoscolus quercifolius) seed oil: Yield, composition, antioxidant activity, and mathematical modeling. Journal of Supercritical Fluids, 2020, 165, 104981.	3.2	24
34	Extraction of Morus alba leaves using supercritical CO2 and ultrasound-assisted solvent: Evaluation of Î²-sitosterol content. Journal of Supercritical Fluids, 2020, 159, 104752.	3.2	12
35	Optimization of ultrasoundâ€assisted extraction of bioactive compounds from <scp>B. forficata</scp> subsp. <scp>Pruinosa</scp>. Canadian Journal of Chemical Engineering, 2020, 98, 2214-2226.	1.7	17
36	Evaluation of supercritical carbon dioxide extraction to obtain bioactive compounds from Vernonia amygdalina Delile leaves. Chemical Industry and Chemical Engineering Quarterly, 2020, 26, 113-124.	0.7	6

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37	PURIFICAÃ‡ÃƒO DO BIODIESEL DE Ã“LEO DE SOJA POR MEIO DO EMPREGO DE LÃQUIDOS IÃ”NICOS ANÃLOGOS BASEADOS EM CLORETO DE COLINA. The Journal of Engineering and Exact Sciences, 2020, 6, 0139-0146.	0.1	1
38	Componentes do rendimento e composiÃ§Ã£o quÃmica de grÃ£os de genÃ³tipos de Salvia hispanica L. cultivados no Oeste do ParanÃ¡ sob diferentes densidades populacionais. Research, Society and Development, 2020, 9, e10591210798.	0.1	1
39	ATIVIDADE IMUNOMODULATÃ“RIA DE EXTRATOS DE UVAIA (EUGENIA PYRIFORMIS) SOBRE MACRÃ“FAGOS MURINOS. Brazilian Journal of Development, 2020, 6, 57178-57184.	0.1	0
40	Supercritical extraction of Eugenia involucrata leaves: Influence of operating conditions on yield and Î±-tocopherol content. Journal of Supercritical Fluids, 2019, 143, 55-63.	3.2	29
41	Supercritical CO2 extraction of Î±-/Î²-amyrin from uvaia (Eugenia pyriformis Cambess.): Effects of pressure and co-solvent addition. Journal of Supercritical Fluids, 2019, 153, 104595.	3.2	12
42	EXTRACTION OF BIOACTIVE COMPOUNDS OF LEAVES OF Duguetia furfuracea (ANNONACEAE) USING GREEN AND ORGANIC SOLVENTS. Brazilian Journal of Chemical Engineering, 2019, 36, 549-556.	1.3	7
43	Supercritical CO2 oil extraction from Bauhinia forficata link subsp. pruinosa leaves: Composition, antioxidant activity and mathematical modeling. Journal of Supercritical Fluids, 2019, 153, 104588.	3.2	25
44	Biosorption of nickel and copper ions from synthetic solution and electroplating effluent using fixed bed column of immobilized brown algae. Journal of Water Process Engineering, 2019, 32, 100904.	5.6	43
45	Towards a design of a pressure swing adsorption unit for small scale biogas upgrading at. Energy Procedia, 2019, 158, 848-853.	1.8	19
46	H2S adsorption on NaY zeolite. Microporous and Mesoporous Materials, 2019, 284, 247-257.	4.4	46
47	Extraction of vetiver (Chrysopogon zizanioides) root oil by supercritical CO2, pressurized-liquid, and ultrasound-assisted methods and modeling of supercritical extraction kinetics. Journal of Supercritical Fluids, 2019, 150, 30-39.	3.2	35
48	Uranium biosorption by Lemna sp. and Pistia stratiotes. Journal of Environmental Radioactivity, 2019, 203, 179-186.	1.7	22
49	Biosorption of nickel(II) and copper(II) ions from synthetic and real effluents by alginate-based biosorbent produced from seaweed Sargassum sp.. Environmental Science and Pollution Research, 2019, 26, 11100-11112.	5.3	21
50	Pressurized liquid and ultrasound-assisted extraction of Î±-bisabolol from candeia (Eremanthus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22	5.2	25
51	Evaluation of the effects of temperature and pressure on the extraction of eugenol from clove (Syzygium aromaticum) leaves using supercritical CO2. Journal of Supercritical Fluids, 2019, 143, 313-320.	3.2	51
52	Numerical methods and initial estimates for the simulation of steady-state reactive distillation columns with an algorithm based on tearing equations methodology. Thermal Science and Engineering Progress, 2018, 6, 1-13.	2.7	2
53	Use of supercritical CO2 and ultrasound-assisted extractions to obtain Î±/Î²-amyrin-rich extracts from uvaia leaves (Eugenia pyriformis Cambess.). Journal of Supercritical Fluids, 2018, 137, 1-8.	3.2	31
54	Potential alternative aviation fuel from jatropha (Jatropha curcas L.), babassu (Orbignya phalerata) and palm kernel (Elaeis guineensis) as blends with Jet-A1 kerosene. Journal of Cleaner Production, 2018, 185, 860-869.	9.3	30

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55	Production of biohydrogen from brewery wastewater using Klebsiella pneumoniae isolated from the environment. International Journal of Hydrogen Energy, 2018, 43, 4276-4283.	7.1	37
56	Hydrolysis of crambe oil by enzymatic catalysis: An evaluation of the operational conditions. Biocatalysis and Biotransformation, 2018, 36, 422-435.	2.0	2
57	Debyeâ€“HÃ¼ckel approximation for simplification of ions adsorption equilibrium model based on Poissonâ€“Boltzmann equation. Surfaces and Interfaces, 2018, 10, 144-148.	3.0	22
58	Phenomenological determination of mass transfer parameters of oil extraction from grape biomass waste. Journal of Cleaner Production, 2018, 176, 130-139.	9.3	21
59	Application of the coconut fiber in radioactive liquid waste treatment. International Journal of Environmental Science and Technology, 2018, 15, 1629-1640.	3.5	12
60	Phenomenological adsorption isotherm for a binary system based on Poissonâ€“Boltzmann equation. Surfaces and Interfaces, 2018, 10, 50-57.	3.0	7
61	Extraction of oil from Elaeis spp. using subcritical propane and cosolvent: Experimental and modeling. Journal of Supercritical Fluids, 2018, 133, 401-410.	3.2	23
62	Oil Extraction from Rana catesbeiana by Supercritical Carbon Dioxide and Mechanical Pressing. JAOCS, Journal of the American Oil Chemists' Society, 2018, 95, 1575-1585.	1.9	1
63	Modelling and optimisation of grape seed drying: Equivalence between the lumped and distributed parameter models. Biosystems Engineering, 2018, 176, 26-35.	4.3	8
64	Pressure Swing Adsorption for Biogas Upgrading with Carbon Molecular Sieve. Industrial & Engineering Chemistry Research, 2018, 57, 8057-8067.	3.7	68
65	Assessment of pretreatment temperature on the oil extraction from the vinification waste. Journal of Food Processing and Preservation, 2018, 42, e13682.	2.0	1
66	Use of castor bean seeds as lipase source for hydrolysis of crambe oil. Industrial Crops and Products, 2018, 124, 254-264.	5.2	14
67	UV-Irradiated Strain of Acidithiobacillus ferrooxidans Improved Copper Bioleaching in Chalcopyrite. Journal of Environmental Engineering, ASCE, 2018, 144, .	1.4	2
68	Genetic variation and population homogeneity of the sea star Coscinasterias tenuispina (Forcipulatida: Asteroidea) on the coast of Rio de Janeiro, Brazil. Latin American Journal of Aquatic Research, 2018, 46, 355-363.	0.6	0
69	AVALIAÃ‡ÃƒO DA TRANSESTERIFICAÃ‡ÃƒO METANÃ“LICA IN SITU DE CYPERUS ESCULENTU. Engevista, 2018, 20, 394.	0.1	0
70	Biosorption of nickel(II) and copper(II) ions in batch and fixed-bed columns by free and immobilized marine algae Sargassum sp.. Journal of Cleaner Production, 2017, 150, 58-64.	9.3	119
71	Oil extraction from macauba pulp using compressed propane. Journal of Supercritical Fluids, 2017, 126, 72-78.	3.2	41
72	Candeia (Eremanthus erythroppapus) oil extraction using supercritical CO 2 with ethanol and ethyl acetate cosolvents. Journal of Supercritical Fluids, 2017, 128, 323-330.	3.2	33

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73	Total fatty acid content, antioxidant composition, antioxidant activity, and content of oil from crambe seeds cultivated with phosphorus. European Journal of Lipid Science and Technology, 2017, 119, 1700043.	1.5	10
74	Crambe grain drying: Evaluation of a linear and double resistance driving force model and energetic performance. Renewable and Sustainable Energy Reviews, 2017, 80, 1-8.	16.4	13
75	Briquettes production for use as power source for combustion using charcoal thin waste and sanitary sewage sludge. Environmental Science and Pollution Research, 2017, 24, 10778-10785.	5.3	23
76	Chemical composition, antioxidant activity and thermal analysis of oil extracted from favela () Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	5.2	31
77	Treatment of brewery wastewater and its use for biological production of methane and hydrogen. International Journal of Hydrogen Energy, 2017, 42, 26243-26256.	7.1	84
78	Mathematical modeling of supercritical CO 2 extraction of hops (Humulus lupulus L.). Journal of Supercritical Fluids, 2017, 130, 347-356.	3.2	26
79	The effect of ultrasound on the hydrolysis of soybean oil catalyzed by phospholipase. European Journal of Lipid Science and Technology, 2017, 119, 1600154.	1.5	1
80	Assessment of process variables on the use of macauba pulp oil as feedstock for the continuous production of ethyl esters under pressurized conditions. Brazilian Journal of Chemical Engineering, 2017, 34, 831-839.	1.3	10
81	Steadyâ€State Modeling of Equilibrium Distillation. , 2017, , .		1
82	OTIMIZAÃ‡ÃƒO DO CONSUMO ENERGÃ‰TICO DA SECAGEM DO CRAMBE EM UM SECADOR DE LEITO FIXO. Engevista, 2017, 19, 1431.	0.1	0
83	Optimization of multiple-effect evaporation in the pulp and paper industry using response surface methodology. Applied Thermal Engineering, 2016, 95, 18-23.	6.0	27
84	Evaluation of a concentrated parameters mathematical model applied to drying of yerba mate leaves with variable mass transfer coefficient. Applied Thermal Engineering, 2016, 105, 483-489.	6.0	15
85	Wood and industrial residue of candeia (Eremanthus erythropappus): Supercritical CO 2 oil extraction, composition, antioxidant activity and mathematical modeling. Journal of Supercritical Fluids, 2016, 114, 1-8.	3.2	21
86	Extraction of oil and bioactive compounds from Araucaria angustifolia (Bertol.) Kuntze using subcritical n-propane and organic solvents. Journal of Supercritical Fluids, 2016, 112, 14-21.	3.2	27
87	Kinetic studies of thermal decomposition of sugarcane bagasse and cassava bagasse. Journal of Thermal Analysis and Calorimetry, 2016, 125, 437-445.	3.6	54
88	Comparing models to Neumann and Dirichlet conditions in grape seed drying. Applied Thermal Engineering, 2016, 93, 865-871.	6.0	16
89	AVALIAÃ‡ÃƒO DA VIABILIDADE CELULAR DE LEVEDURA CULTIVADA EM PERMEADO DE SORO DE QUEIJO APÃ“S SECAGEM. Engevista, 2016, 18, 62.	0.1	0
90	ADSORPTION OF THE DYE REACTIVE BLUE 5G IN RETORTED SHALE. Brazilian Journal of Chemical Engineering, 2015, 32, 269-281.	1.3	6

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91	Equilibrium modeling of ion adsorption based on Poissonâ€“Boltzmann equation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 468, 159-166.	4.7	17
92	Chemical equilibrium of ion exchange in the binary mixture Cu2+ and Ca2+ in calcium alginate. Adsorption, 2015, 21, 445-458.	3.0	9
93	Extraction of crambe seed oil using subcritical propane: Kinetics, characterization and modeling. Journal of Supercritical Fluids, 2015, 104, 54-61.	3.2	70
94	Compressed n-propane extraction of lipids and bioactive compounds from Perilla (Perilla frutescens). Journal of Supercritical Fluids, 2015, 102, 1-8.	3.2	46
95	Effect of solution pH and influence of water hardness on caffeine adsorption onto activated carbons. Canadian Journal of Chemical Engineering, 2015, 93, 68-77.	1.7	56
96	Prediction of ion exchange equilibrium of $$hbox {Cu}^{2+}{-}hbox {Na}^{+}{-}hbox {Zn}^{2+}$$ Cu 2 + - Na + - Zn 2 + ternary system using artificial neural networks. Adsorption, 2015, 21, 17-23.	3.0	1
97	Continuous catalyst-free production of esters from Jatropha curcas L. oil under supercritical ethanol. Brazilian Journal of Chemical Engineering, 2014, 31, 727-735.	1.3	25
98	Mathematical modeling of a convective textile drying process. Brazilian Journal of Chemical Engineering, 2014, 31, 959-965.	1.3	11
99	<b>Organic leaching and metal removal with <i>Sargassum filipendula. Acta Scientiarum - Technology, 2014, 36, 429.	0.4	4
100	Biosorption study of Ni2+ and Cr3+ by Sargassum filipendula: kinetics and equilibrium. Brazilian Journal of Chemical Engineering, 2014, 31, 211-227.	1.3	12
101	Effect of the chemical composition of smectites used in KF/Clay catalysts on soybean oil transesterification into methyl esters. Applied Clay Science, 2014, 102, 121-127.	5.2	12
102	Continuous Catalyst-Free Esterification of Oleic Acid in Compressed Ethanol. International Journal of Chemical Engineering, 2014, 2014, 1-5.	2.4	13
103	Gastroâ€resistant controlled release of OTC encapsulated in alginate/chitosan matrix coated with acrylâ€EZEÂ® MP in fluidized bed. Journal of Applied Polymer Science, 2014, 131, .	2.6	9
104	Experimental and modelling studies of ion exchange equilibria between zeolite NaY and an electrolytic solution of iron. Fluid Phase Equilibria, 2014, 372, 76-84.	2.5	5
105	Effect of Additives in the Reaction Medium on Noncatalytic Ester Production from Used Frying Oil with Supercritical Ethanol. Energy & Fuels, 2014, 28, 3122-3128.	5.1	18
106	Study of candeia oil extraction using pressurized fluids and purification by adsorption process. Journal of Supercritical Fluids, 2014, 92, 177-182.	3.2	26
107	ESTUDO CINÃ‰TICO DA TROCA IÔNICA DO SISTEMA BINÁRIO Cu2+-Na+ UTILIZANDO A RESINA AMBERLITE IR-120. Engevista, 2014, 16, 232.	0.1	0
108	Enzymatic catalyzed palm oil hydrolysis under ultrasound irradiation: Diacylglycerol synthesis. Ultrasonics Sonochemistry, 2013, 20, 1002-1007.	8.2	49

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109	Nickel(II) and zinc(II) removal using Amberlite IR-120 resin: Ion exchange equilibrium and kinetics. Chemical Engineering Journal, 2013, 221, 426-435.	12.7	59
110	Thermophysical properties of biodiesel and related systems: Low-pressure vapor+liquid equilibrium of methyl/ethyl soybean biodiesel. Journal of Chemical Thermodynamics, 2013, 64, 65-70.	2.0	12
111	Extraction of palm oil using propane, ethanol and its mixtures as compressed solvent. Journal of Supercritical Fluids, 2013, 81, 245-253.	3.2	55
112	Reactive Blue 5G Adsorption onto Activated Carbon: Kinetics and Equilibrium. Journal of Chemical & Engineering Data, 2013, 58, 106-114.	1.9	27
113	Comparison of Phenomenological and Hybrid Models in the Description of the Ion Exchange Process in a Fixed-Bed Column. Separation Science and Technology, 2013, 48, 1102-1110.	2.5	2
114	Comparing Conventional and Supercritical Extraction of (â˜)-Mammea A/BB and the Antioxidant Activity of Calophyllum brasiliense Extracts. Molecules, 2013, 18, 6215-6229.	3.8	24
115	Competing Ion Exchange of Zn²⁺ and Fe³⁺ in NaY Zeolite. Adsorption Science and Technology, 2012, 30, 275-291.	3.2	5
116	Application of Aqai Stalks as Biosorbents for the Removal of the Dye Procion Blue MX-R from Aqueous Solution. Separation Science and Technology, 2012, 47, 513-526.	2.5	79
117	Prediction of ternary ion-exchange equilibrium using artificial neural networks and Law of Mass Action. Acta Scientiarum - Technology, 2012, 34, .	0.4	1
118	Steady-state modeling of reactive distillation columns. Acta Scientiarum - Technology, 2012, 34, .	0.4	5
119	Copper and nickel competitive biosorption simulation from single and binary systems by Sargassum filipendula. Chemical Engineering Journal, 2012, 184, 16-22.	12.7	45
120	Mathematical modeling of a ternary Cuâ€“Znâ€“Na ion exchange system in a fixed-bed column using Amberlite IR 120. Chemical Engineering Journal, 2012, 189-190, 49-56.	12.7	15
121	Mass Transfer Mechanism of Ion Exchange in Fixed Bed Columns. Journal of Chemical & Engineering Data, 2011, 56, 375-382.	1.9	20
122	Modeling the water uptake by chicken carcasses during cooling by immersion. Food Science and Technology, 2011, , .	1.7	1
123	Estudo da remoÃ§Ã£o do Ãon Fe (II) em colunas de leito fixo, utilizando-se a ZeÃ³lita NaY. Acta Scientiarum - Technology, 2011, 33, .	0.4	1
124	Modelagem do efeito do pH na biossorÃ§Ã£o de metais pela alga marinha Sargassum filipendula. Acta Scientiarum - Technology, 2011, 33, .	0.4	3
125	Extraction of sunflower (Heliantus annuus L.) oil with supercritical CO2 and subcritical propane: Experimental and modeling. Chemical Engineering Journal, 2011, 168, 262-268.	12.7	98
126	Application of the mass action law to describe ion exchange equilibrium in a fixed-bed column. Chemical Engineering Journal, 2011, 172, 312-320.	12.7	31

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127	Equilibrium of Cu(II) and Ni(II) biosorption by marine alga Sargassum filipendula in a dynamic system: Competitiveness and selectivity. Bioresource Technology, 2011, 102, 4610-4617.	9.6	86
128	Extraction of canola seed (Brassica napus) oil using compressed propane and supercritical carbon dioxide. Journal of Food Engineering, 2011, 102, 189-196.	5.2	94
129	Screening, optimization and kinetics of Jatropha curcas oil transesterification with heterogeneous catalysts. Renewable Energy, 2011, 36, 726-731.	8.9	61
130	Copper Biosorption by Biomass of Marine Alga: Study of Equilibrium and Kinetics in Batch System and Adsorption/Desorption Cycles in Fixed Bed Column. Water, Air, and Soil Pollution, 2010, 213, 15-26.	2.4	18
131	Extraction of sesame seed (Sesamun indicum L.) oil using compressed propane and supercritical carbon dioxide. Journal of Supercritical Fluids, 2010, 52, 56-61.	3.2	120
132	DeterminaÃ§Ã£o do calor de dessorÃ§Ã£o para materiais tÃªxteis. Acta Scientiarum - Technology, 2010, 32, .	0.4	1
133	Adsorption of turquoise blue QG reactive bye commercial activated carbon in batch reactor: kinetic and equilibrium studies. Brazilian Journal of Chemical Engineering, 2010, 27, 289-298.	1.3	31
134	Biosorption of Chromium(III) and Copper(II) Ions onto Marine Alga Sargassum sp. in a Fixed-bed Column. Adsorption Science and Technology, 2010, 28, 449-464.	3.2	11
135	Ion Exchange Equilibrium Prediction for the System Cu²⁺â^'Zn²⁺â^'Na⁺. Journal of Chemical & Engineering Data, 2010, 55, 1333-1341.	1.9	15
136	Planejamento experimental estatÃstico para a otimizaÃ§Ã£o das condiÃ§Ãµes em batelada de dessorÃ§Ã£o de nÃquel da alga marinha Sargassum filipendula. Acta Scientiarum - Technology, 2009, 31, .	0.4	0
137	BiossorÃ§Ã£o de nÃquel e cromo de um efluente de galvanoplastia utilizando alga marinha prÃ©-tratada em coluna. Acta Scientiarum - Technology, 2009, 31, .	0.4	3
138	RemoÃ§Ã£o de nÃquel(II) de soluÃ§Ãµes aquosas pela biomassa Sargassum filipendula em mÃºltiplos ciclos de sorÃ§Ã£o-dessorÃ§Ã£o. Acta Scientiarum - Technology, 2009, 31, .	0.4	4
139	Modelagem do sistema de resfriamento por imersÃ£o de carcaÃ§as de frangos utilizando redes neurais artificiais. Acta Scientiarum - Technology, 2009, 31, .	0.4	8
140	Zinc(II) desorption by Sargassum filipendula biomass in batch and in fixed-bed column for multiple sorption-regeneration cycles. Water Science and Technology, 2009, 60, 357-362.	2.5	2
141	Breakthrough curves for oleic acid removal from ethanolic solutions using a strong anion exchange resin. Separation and Purification Technology, 2009, 69, 1-6.	7.9	31
142	Kinetics of Lead Bioaccumulation from a Hydroponic Medium by Aquatic Macrophytes Pistia stratiotes. Water, Air, and Soil Pollution, 2009, 203, 29-37.	2.4	29
143	Biosorption of nickel(II) ions by using chemically pre-treated Sargassum filipendula biomass in a fixed bed column. World Journal of Microbiology and Biotechnology, 2009, 25, 1849-1856.	3.6	4
144	PIXE analysis of chromium phytoaccumulation by the aquatic macrophytes Eicchornia crassipes. Nuclear Instruments & Methods in Physics Research B, 2009, 267, 1153-1157.	1.4	16

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145	A comparative study for the ion exchange of Fe(III) and Zn(II) on zeolite NaY. Journal of Hazardous Materials, 2009, 161, 1404-1412.	12.4	124
146	Chromium ions phytoaccumulation by three floating aquatic macrophytes from a nutrient medium. World Journal of Microbiology and Biotechnology, 2008, 24, 3063-3070.	3.6	28
147	Prediction of the copper (II) ions dynamic removal from a medium by using mathematical models with analytical solution. Journal of Hazardous Materials, 2008, 152, 366-372.	12.4	54
148	Supercritical extraction process and phase equilibrium of Candeia (Eremanthus erythropappus) oil using supercritical carbon dioxide. Journal of Supercritical Fluids, 2008, 47, 182-187.	3.2	79
149	Dynamic isotherms of dye in activated carbon. Materials Research, 2008, 11, 365-369.	1.3	13
150	Adsorption of Reactive Blue 5G Dye by Activated Carbon and Pyrolyzed Shale Oil Residue. Adsorption Science and Technology, 2007, 25, 741-749.	3.2	12
151	The Removal of Fe(III) Ions by Adsorption onto Zeolite Columns. Adsorption Science and Technology, 2007, 25, 757-768.	3.2	6
152	Optimization of dye incorporation into modified poly(ethylene terephthalate) knitted fabrics by response surface methodology. Dyes and Pigments, 2007, 75, 378-384.	3.7	7
153	Equilibrium study of the binary mixture of cadmiumâ€“zinc ions biosorption by the Sargassum filipendula species using adsorption isotherms models and neural network. Biochemical Engineering Journal, 2007, 34, 136-146.	3.6	95
154	Adsorption of Cu(II) on Araucaria angustifolia wastes: Determination of the optimal conditions by statistic design of experiments. Journal of Hazardous Materials, 2007, 140, 211-220.	12.4	101
155	Adsorption and desorption of binary mixtures of copper and mercury ions on natural and crosslinked chitosan membranes. Adsorption, 2007, 13, 603-611.	3.0	82
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