

Edson Antônio Da Silva

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

148
papers

3,051
citations

30
h-index

48
g-index

165
ext. papers

3,484
ext. citations

4.4
avg, IF

5.42
L-index

#	Paper	IF	Citations
148	Biosorption of uranium from aqueous solutions by <i>Azolla</i> sp. and <i>Limnobium laevigatum</i> .. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	0
147	Improved extraction of bioactive compounds from <i>Monteverdia aquifolia</i> leaves by pressurized-liquid and ultrasound-assisted extraction: Yield and chemical composition. <i>Journal of Supercritical Fluids</i> , 2022 , 181, 105468	4.2	1
146	Adsorption of atrazine from aqueous systems on chemically activated biochar produced from corn straw. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 107039	6.8	2
145	Composition and oxidative stability of oils extracted from <i>Zophobas morio</i> and <i>Tenebrio molitor</i> using pressurized n-propane. <i>Journal of Supercritical Fluids</i> , 2022 , 181, 105504	4.2	1
144	Evaluation of the ethanolic ultrasound-assisted extraction from clove (<i>Syzygium aromaticum</i>) leaves and chemical characterization of the extracts. <i>Food Chemistry</i> , 2022 , 373, 131351	8.5	1
143	Ultraviolet radiation as an antimicrobial treatment in Brazilian diesel oil: Effect of biodiesel, sulfur, and water contents. <i>Fuel</i> , 2022 , 308, 122076	7.1	1
142	Briquette production from a mixture of biomass: poultry slaughterhouse sludge and sawdust.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	
141	Catalyst-free production of fatty acid ethyl esters (FAEE) from macauba pulp oil. <i>Grasas Y Aceites</i> , 2021 , 72, e398	1.3	0
140	Hyaluronic acid incorporation into nanoemulsions containing <i>Pterodon pubescens</i> Benth. Fruit oil for topical drug delivery. <i>Biocatalysis and Agricultural Biotechnology</i> , 2021 , 32, 101939	4.2	3
139	An analysis about analytical calculation of volume roots from cubic equations of state. <i>AIChE Journal</i> , 2021 , 67, e17273	3.6	
138	Ultrasound-assisted extraction of favela (<i>Cnidocolus quercifolius</i>) seed oil using ethanol as a solvent. <i>Journal of Food Processing and Preservation</i> , 2021 , 45, e15497	2.1	7
137	Extraction of natural antioxidants from strawberry guava leaf by conventional and non-conventional techniques. <i>Chemical Engineering Communications</i> , 2021 , 208, 1131-1142	2.2	1
136	Evaluation of favela seed oil extraction with alternative solvents and pressurized-liquid ethanol. <i>Journal of Supercritical Fluids</i> , 2021 , 169, 105125	4.2	10
135	Study of pyrolysis kinetic of green corn husk. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 143, 3181-3192	4.1	3
134	Techno-economical optimization of uvaia (<i>Eugenia pyriformis</i>) extraction using supercritical fluid technology. <i>Journal of Supercritical Fluids</i> , 2021 , 174, 105239	4.2	2
133	Production of a synbiotic composed of galacto-oligosaccharides and <i>Saccharomyces boulardii</i> using enzymatic-fermentative method. <i>Food Chemistry</i> , 2021 , 353, 129486	8.5	5
132	Hydroisomerization of n-hexadecane under mesoporous molecular sieve Pt/Al-SBA-15. <i>Molecular Catalysis</i> , 2021 , 512, 111737	3.3	1

131	Ag and CuO nanoparticles decorated on graphene oxide/activated carbon as a novel adsorbent for the removal of cephalexin from water. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 627, 127203	5.1	5
130	Extracts from red Araçá (Psidium cattleianum) fruits: Extraction process, modelling and assessment of the bioactivity potentialities. <i>Journal of Supercritical Fluids</i> , 2021 , 176, 105278	4.2	2
129	Guariroba (Syagrus oleracea) kernel oil extraction using supercritical CO ₂ and compressed propane and its characterization. <i>Journal of Supercritical Fluids</i> , 2021 , 177, 105326	4.2	1
128	The use of rice and coffee husks for biosorption of U (total), Am, and Cs in radioactive liquid organic waste. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 36651-36663	5.1	7
127	Production of biohydrogen by an anaerobic digestion process using the residual glycerol from biodiesel production as additive to cassava wastewater. <i>Journal of Cleaner Production</i> , 2020 , 258, 120833	10.3	15
126	Supercritical CO ₂ extraction of favela (Cnidocolus quercifolius) seed oil: Yield, composition, antioxidant activity, and mathematical modeling. <i>Journal of Supercritical Fluids</i> , 2020 , 165, 104981	4.2	15
125	Extraction of Morus alba leaves using supercritical CO ₂ and ultrasound-assisted solvent: Evaluation of ß-sterol content. <i>Journal of Supercritical Fluids</i> , 2020 , 159, 104752	4.2	9
124	ATIVIDADE IMUNOMODULATÓRIA DE EXTRATOS DE UVAIA (EUGENIA PYRIFORMIS) SOBRE MACRÓBAGOS MURINOS. <i>Brazilian Journal of Development</i> , 2020 , 6, 57178-57184	0	
123	Evaluation of supercritical carbon dioxide extraction to obtain bioactive compounds from Vernonia amygdalina Delile leaves. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2020 , 26, 113-124	0.7	3
122	Photodamage on Staphylococcus aureus by natural extract from Tetragonia tetragonoides (Pall.) Kuntze: Clean method of extraction, characterization and photophysical studies. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020 , 203, 111763	6.7	9
121	Extraction and assessment of oil and bioactive compounds from cashew nut (Anacardium occidentale) using pressurized n-propane and ethanol as cosolvent. <i>Journal of Supercritical Fluids</i> , 2020 , 157, 104686	4.2	17
120	Production of linseed diacylglycerol-rich oil by combined glycerolysis and esterification. <i>Industrial Crops and Products</i> , 2020 , 145, 111937	5.9	6
119	Use of calcium alginate beads and Saccharomyces cerevisiae for biosorption of Am. <i>Journal of Environmental Radioactivity</i> , 2020 , 223-224, 106399	2.4	6
118	Effect of ultraviolet radiation on inactivation of microorganisms present in Brazilian diesel fuel. <i>Biofuels, Bioproducts and Biorefining</i> , 2020 , 14, 1152-1162	5.3	2
117	Mathematical modeling of supercritical CO ₂ extraction of Eugenia pyriformis Cambess. leaves. <i>Chemical Engineering Communications</i> , 2020 , 1-10	2.2	1
116	Improvement of biohydrogen production from brewery wastewater: Evaluation of inocula, support and reactor. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 5216-5226	6.7	13
115	Optimization of ultrasound-assisted extraction of bioactive compounds from B. forficata subsp. Pruinosa. <i>Canadian Journal of Chemical Engineering</i> , 2020 , 98, 2214-2226	2.3	10
114	Towards a design of a pressure swing adsorption unit for small scale biogas upgrading at. <i>Energy Procedia</i> , 2019 , 158, 848-853	2.3	6

113	H ₂ S adsorption on NaY zeolite. <i>Microporous and Mesoporous Materials</i> , 2019 , 284, 247-257	5.3	27
112	Extraction of vetiver (<i>Chrysopogon zizanioides</i>) root oil by supercritical CO ₂ , pressurized-liquid, and ultrasound-assisted methods and modeling of supercritical extraction kinetics. <i>Journal of Supercritical Fluids</i> , 2019 , 150, 30-39	4.2	23
111	Uranium biosorption by <i>Lemna</i> sp. and <i>Pistia stratiotes</i> . <i>Journal of Environmental Radioactivity</i> , 2019 , 203, 179-186	2.4	16
110	Supercritical extraction of <i>Eugenia involucrata</i> leaves: Influence of operating conditions on yield and tocopherol content. <i>Journal of Supercritical Fluids</i> , 2019 , 143, 55-63	4.2	21
109	Supercritical CO ₂ extraction of flavonoids from uvaia (<i>Eugenia pyriformis</i> Cambess.): Effects of pressure and co-solvent addition. <i>Journal of Supercritical Fluids</i> , 2019 , 153, 104595	4.2	6
108	EXTRACTION OF BIOACTIVE COMPOUNDS OF LEAVES OF <i>Duguetia furfuracea</i> (ANNONACEAE) USING GREEN AND ORGANIC SOLVENTS. <i>Brazilian Journal of Chemical Engineering</i> , 2019 , 36, 549-556	1.7	3
107	Supercritical CO ₂ oil extraction from <i>Bauhinia forficata</i> link subsp. <i>pruinosa</i> leaves: Composition, antioxidant activity and mathematical modeling. <i>Journal of Supercritical Fluids</i> , 2019 , 153, 104588	4.2	15
106	Biosorption of nickel and copper ions from synthetic solution and electroplating effluent using fixed bed column of immobilized brown algae. <i>Journal of Water Process Engineering</i> , 2019 , 32, 100904	6.7	26
105	Biosorption of nickel(II) and copper(II) ions from synthetic and real effluents by alginate-based biosorbent produced from seaweed <i>Sargassum</i> sp. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 11100-11112	5.1	14
104	Pressurized liquid and ultrasound-assisted extraction of bisabolol from candeia (<i>Eremanthus erythropappus</i>) wood. <i>Industrial Crops and Products</i> , 2019 , 130, 428-435	5.9	16
103	Evaluation of the effects of temperature and pressure on the extraction of eugenol from clove (<i>Syzygium aromaticum</i>) leaves using supercritical CO ₂ . <i>Journal of Supercritical Fluids</i> , 2019 , 143, 313-320	4.2	32
102	Numerical methods and initial estimates for the simulation of steady-state reactive distillation columns with an algorithm based on tearing equations methodology. <i>Thermal Science and Engineering Progress</i> , 2018 , 6, 1-13	3.6	2
101	Use of supercritical CO ₂ and ultrasound-assisted extractions to obtain flavonoid-rich extracts from uvaia leaves (<i>Eugenia pyriformis</i> Cambess.). <i>Journal of Supercritical Fluids</i> , 2018 , 137, 1-8	4.2	24
100	Potential alternative aviation fuel from jatropha (<i>Jatropha curcas</i> L.), babassu (<i>Orbignya phalerata</i>) and palm kernel (<i>Elaeis guineensis</i>) as blends with Jet-A1 kerosene. <i>Journal of Cleaner Production</i> , 2018 , 185, 860-869	10.3	21
99	Production of biohydrogen from brewery wastewater using <i>Klebsiella pneumoniae</i> isolated from the environment. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 4276-4283	6.7	25
98	Hydrolysis of crambe oil by enzymatic catalysis: An evaluation of the operational conditions. <i>Biocatalysis and Biotransformation</i> , 2018 , 36, 422-435	2.5	2
97	Debye-Hückel approximation for simplification of ions adsorption equilibrium model based on Poisson-Boltzmann equation. <i>Surfaces and Interfaces</i> , 2018 , 10, 144-148	4.1	18
96	Phenomenological determination of mass transfer parameters of oil extraction from grape biomass waste. <i>Journal of Cleaner Production</i> , 2018 , 176, 130-139	10.3	16

95	Application of the coconut fiber in radioactive liquid waste treatment. <i>International Journal of Environmental Science and Technology</i> , 2018 , 15, 1629-1640	3.3	9
94	Assessment of pretreatment temperature on the oil extraction from the vinification waste. <i>Journal of Food Processing and Preservation</i> , 2018 , 42, e13682	2.1	1
93	Use of castor bean seeds as lipase source for hydrolysis of crambe oil. <i>Industrial Crops and Products</i> , 2018 , 124, 254-264	5.9	9
92	UV-Irradiated Strain of <i>Acidithiobacillus ferrooxidans</i> Improved Copper Bioleaching in Chalcopyrite. <i>Journal of Environmental Engineering, ASCE</i> , 2018 , 144, 04018064	2	1
91	Phenomenological adsorption isotherm for a binary system based on Poisson-Boltzmann equation. <i>Surfaces and Interfaces</i> , 2018 , 10, 50-57	4.1	6
90	Extraction of oil from <i>Elaeis</i> spp. using subcritical propane and cosolvent: Experimental and modeling. <i>Journal of Supercritical Fluids</i> , 2018 , 133, 401-410	4.2	18
89	Oil Extraction from <i>Rana catesbeiana</i> by Supercritical Carbon Dioxide and Mechanical Pressing. <i>JAACS, Journal of the American Oil Chemists Society</i> , 2018 , 95, 1575-1585	1.8	1
88	Modelling and optimisation of grape seed drying: Equivalence between the lumped and distributed parameter models. <i>Biosystems Engineering</i> , 2018 , 176, 26-35	4.8	5
87	Pressure Swing Adsorption for Biogas Upgrading with Carbon Molecular Sieve. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 8057-8067	3.9	37
86	Biosorption of nickel(II) and copper(II) ions in batch and fixed-bed columns by free and immobilized marine algae <i>Sargassum</i> sp.. <i>Journal of Cleaner Production</i> , 2017 , 150, 58-64	10.3	91
85	Oil extraction from macauba pulp using compressed propane. <i>Journal of Supercritical Fluids</i> , 2017 , 126, 72-78	4.2	35
84	Candeia (<i>Eremanthus erythropappus</i>) oil extraction using supercritical CO ₂ with ethanol and ethyl acetate cosolvents. <i>Journal of Supercritical Fluids</i> , 2017 , 128, 323-330	4.2	21
83	Total fatty acid content, antioxidant composition, antioxidant activity, and content of oil from crambe seeds cultivated with phosphorus. <i>European Journal of Lipid Science and Technology</i> , 2017 , 119, 1700043	3	8
82	Crambe grain drying: Evaluation of a linear and double resistance driving force model and energetic performance. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 80, 1-8	16.2	6
81	Briquettes production for use as power source for combustion using charcoal thin waste and sanitary sewage sludge. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 10778-10785	5.1	14
80	Chemical composition, antioxidant activity and thermal analysis of oil extracted from favela (<i>Cnidocolus quercifolius</i>) seeds. <i>Industrial Crops and Products</i> , 2017 , 97, 368-373	5.9	21
79	Treatment of brewery wastewater and its use for biological production of methane and hydrogen. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 26243-26256	6.7	61
78	Assessment of process variables on the use of macauba pulp oil as feedstock for the continuous production of ethyl esters under pressurized conditions. <i>Brazilian Journal of Chemical Engineering</i> , 2017 , 34, 831-839	1.7	8

77	Mathematical modeling of supercritical CO ₂ extraction of hops (<i>Humulus lupulus</i> L.). <i>Journal of Supercritical Fluids</i> , 2017 , 130, 347-356	4.2	15
76	The effect of ultrasound on the hydrolysis of soybean oil catalyzed by phospholipase. <i>European Journal of Lipid Science and Technology</i> , 2017 , 119, 1600154	3	1
75	Linear Driving Force Model in Carbon Dioxide Capture by Adsorption. <i>Applied Mechanics and Materials</i> , 2016 , 830, 38-45	0.3	3
74	Optimization of multiple-effect evaporation in the pulp and paper industry using response surface methodology. <i>Applied Thermal Engineering</i> , 2016 , 95, 18-23	5.8	18
73	Evaluation of a concentrated parameters mathematical model applied to drying of yerba mate leaves with variable mass transfer coefficient. <i>Applied Thermal Engineering</i> , 2016 , 105, 483-489	5.8	12
72	Wood and industrial residue of candeia (<i>Eremanthus erythropappus</i>): Supercritical CO ₂ oil extraction, composition, antioxidant activity and mathematical modeling. <i>Journal of Supercritical Fluids</i> , 2016 , 114, 1-8	4.2	17
71	Extraction of oil and bioactive compounds from <i>Araucaria angustifolia</i> (Bertol.) Kuntze using subcritical n-propane and organic solvents. <i>Journal of Supercritical Fluids</i> , 2016 , 112, 14-21	4.2	23
70	Kinetic studies of thermal decomposition of sugarcane bagasse and cassava bagasse. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016 , 125, 437-445	4.1	38
69	Comparing models to Neumann and Dirichlet conditions in grape seed drying. <i>Applied Thermal Engineering</i> , 2016 , 93, 865-871	5.8	15
68	Chemical equilibrium of ion exchange in the binary mixture Cu ²⁺ and Ca ²⁺ in calcium alginate. <i>Adsorption</i> , 2015 , 21, 445-458	2.6	7
67	Extraction of crambe seed oil using subcritical propane: Kinetics, characterization and modeling. <i>Journal of Supercritical Fluids</i> , 2015 , 104, 54-61	4.2	61
66	Compressed n-propane extraction of lipids and bioactive compounds from <i>Perilla</i> (<i>Perilla frutescens</i>). <i>Journal of Supercritical Fluids</i> , 2015 , 102, 1-8	4.2	43
65	Effect of solution pH and influence of water hardness on caffeine adsorption onto activated carbons. <i>Canadian Journal of Chemical Engineering</i> , 2015 , 93, 68-77	2.3	38
64	Prediction of ion exchange equilibrium of (hbox {Cu}^{2+}{-}hbox {Na}^{+}{-}hbox {Zn}^{2+}) ternary system using artificial neural networks. <i>Adsorption</i> , 2015 , 21, 17-23	2.6	0
63	ADSORPTION OF THE DYE REACTIVE BLUE 5G IN RETORTED SHALE. <i>Brazilian Journal of Chemical Engineering</i> , 2015 , 32, 269-281	1.7	6
62	Equilibrium modeling of ion adsorption based on PoissonBoltzmann equation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015 , 468, 159-166	5.1	16
61	Effect of Additives in the Reaction Medium on Noncatalytic Ester Production from Used Frying Oil with Supercritical Ethanol. <i>Energy & Fuels</i> , 2014 , 28, 3122-3128	4.1	17
60	Study of candeia oil extraction using pressurized fluids and purification by adsorption process. <i>Journal of Supercritical Fluids</i> , 2014 , 92, 177-182	4.2	24

59	Continuous catalyst-free production of esters from <i>Jatropha curcas</i> L. oil under supercritical ethanol. <i>Brazilian Journal of Chemical Engineering</i> , 2014 , 31, 727-735	1.7	22
58	Mathematical modeling of a convective textile drying process. <i>Brazilian Journal of Chemical Engineering</i> , 2014 , 31, 959-965	1.7	9
57	Organic leaching and metal removal with <i>Sargassum filipendula</i> . <i>Acta Scientiarum - Technology</i> , 2014 , 36, 429	0.5	2
56	Biosorption study of Ni ²⁺ and Cr ³⁺ by <i>Sargassum filipendula</i> : kinetics and equilibrium. <i>Brazilian Journal of Chemical Engineering</i> , 2014 , 31, 211-227	1.7	10
55	Effect of the chemical composition of smectites used in KF/Clay catalysts on soybean oil transesterification into methyl esters. <i>Applied Clay Science</i> , 2014 , 102, 121-127	5.2	9
54	Continuous Catalyst-Free Esterification of Oleic Acid in Compressed Ethanol. <i>International Journal of Chemical Engineering</i> , 2014 , 2014, 1-5	2.2	12
53	Gastro-resistant controlled release of OTC encapsulated in alginate/chitosan matrix coated with acryl-EZE MP in fluidized bed. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	5
52	Experimental and modelling studies of ion exchange equilibria between zeolite NaY and an electrolytic solution of iron. <i>Fluid Phase Equilibria</i> , 2014 , 372, 76-84	2.5	4
51	Enzymatic catalyzed palm oil hydrolysis under ultrasound irradiation: diacylglycerol synthesis. <i>Ultrasonics Sonochemistry</i> , 2013 , 20, 1002-7	8.9	36
50	Nickel(II) and zinc(II) removal using Amberlite IR-120 resin: Ion exchange equilibrium and kinetics. <i>Chemical Engineering Journal</i> , 2013 , 221, 426-435	14.7	51
49	Thermophysical properties of biodiesel and related systems: Low-pressure vapor+liquid equilibrium of methyl/ethyl soybean biodiesel. <i>Journal of Chemical Thermodynamics</i> , 2013 , 64, 65-70	2.9	10
48	Extraction of palm oil using propane, ethanol and its mixtures as compressed solvent. <i>Journal of Supercritical Fluids</i> , 2013 , 81, 245-253	4.2	48
47	Reactive Blue 5G Adsorption onto Activated Carbon: Kinetics and Equilibrium. <i>Journal of Chemical & Engineering Data</i> , 2013 , 58, 106-114	2.8	23
46	Comparison of Phenomenological and Hybrid Models in the Description of the Ion Exchange Process in a Fixed-Bed Column. <i>Separation Science and Technology</i> , 2013 , 48, 1102-1110	2.5	2
45	Comparing conventional and supercritical extraction of (-)-mammea A/BB and the antioxidant activity of <i>Calophyllum brasiliense</i> extracts. <i>Molecules</i> , 2013 , 18, 6215-29	4.8	16
44	Application of Aqai Stalks as Biosorbents for the Removal of the Dye Procion Blue MX-R from Aqueous Solution. <i>Separation Science and Technology</i> , 2012 , 47, 513-526	2.5	72
43	Steady-state modeling of reactive distillation columns. <i>Acta Scientiarum - Technology</i> , 2012 , 34,	0.5	3
42	Copper and nickel competitive biosorption simulation from single and binary systems by <i>Sargassum filipendula</i> . <i>Chemical Engineering Journal</i> , 2012 , 184, 16-22	14.7	37

41	Mathematical modeling of a ternary Cu ²⁺ /Zn ²⁺ /Na ⁺ ion exchange system in a fixed-bed column using Amberlite IR 120. <i>Chemical Engineering Journal</i> , 2012 , 189-190, 49-56	14.7	14
40	Competing Ion Exchange of Zn ²⁺ and Fe ³⁺ in NaY Zeolite. <i>Adsorption Science and Technology</i> , 2012 , 30, 275-291	3.6	4
39	Modelagem do efeito do pH na biosorçã de metais pela alga marinha <i>Sargassum filipendula</i> . <i>Acta Scientiarum - Technology</i> , 2011 , 33,	0.5	2
38	Extraction of sunflower (<i>Heliantus annuus</i> L.) oil with supercritical CO ₂ and subcritical propane: Experimental and modeling. <i>Chemical Engineering Journal</i> , 2011 , 168, 262-268	14.7	84
37	Application of the mass action law to describe ion exchange equilibrium in a fixed-bed column. <i>Chemical Engineering Journal</i> , 2011 , 172, 312-320	14.7	22
36	Equilibrium of Cu(II) and Ni(II) biosorption by marine alga <i>Sargassum filipendula</i> in a dynamic system: competitiveness and selectivity. <i>Bioresource Technology</i> , 2011 , 102, 4610-7	11	76
35	Mass Transfer Mechanism of Ion Exchange in Fixed Bed Columns. <i>Journal of Chemical & Engineering Data</i> , 2011 , 56, 375-382	2.8	18
34	Extraction of canola seed (<i>Brassica napus</i>) oil using compressed propane and supercritical carbon dioxide. <i>Journal of Food Engineering</i> , 2011 , 102, 189-196	6	82
33	Screening, optimization and kinetics of <i>Jatropha curcas</i> oil transesterification with heterogeneous catalysts. <i>Renewable Energy</i> , 2011 , 36, 726-731	8.1	59
32	Adsorption of turquoise blue QG reactive dye on commercial activated carbon in batch reactor: kinetic and equilibrium studies. <i>Brazilian Journal of Chemical Engineering</i> , 2010 , 27, 289-298	1.7	25
31	Biosorption of Chromium(III) and Copper(II) Ions onto Marine Alga <i>Sargassum</i> sp. in a Fixed-bed Column. <i>Adsorption Science and Technology</i> , 2010 , 28, 449-464	3.6	9
30	Ion Exchange Equilibrium Prediction for the System Cu ²⁺ /Zn ²⁺ /Na ⁺ . <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 1333-1341	2.8	12
29	Copper Biosorption by Biomass of Marine Alga: Study of Equilibrium and Kinetics in Batch System and Adsorption/Desorption Cycles in Fixed Bed Column. <i>Water, Air, and Soil Pollution</i> , 2010 , 213, 15-26	2.6	18
28	Extraction of sesame seed (<i>Sesamun indicum</i> L.) oil using compressed propane and supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2010 , 52, 56-61	4.2	104
27	Remoçã de niquel(II) de soluçõs aquosas pela biomassa <i>Sargassum filipendula</i> em mltiplos ciclos de sorçã-dessorçã. <i>Acta Scientiarum - Technology</i> , 2009 , 31,	0.5	2
26	Modelagem do sistema de resfriamento por imersã de carcaçs de frangos utilizando redes neurais artificiais. <i>Acta Scientiarum - Technology</i> , 2009 , 31,	0.5	3
25	Zinc(II) desorption by <i>Sargassum filipendula</i> biomass in batch and in fixed-bed column for multiple sorption-regeneration cycles. <i>Water Science and Technology</i> , 2009 , 60, 357-62	2.2	2
24	Breakthrough curves for oleic acid removal from ethanolic solutions using a strong anion exchange resin. <i>Separation and Purification Technology</i> , 2009 , 69, 1-6	8.3	26

23	Kinetics of Lead Bioaccumulation from a Hydroponic Medium by Aquatic Macrophytes Pistia stratiotes. <i>Water, Air, and Soil Pollution</i> , 2009 , 203, 29-37	2.6	28
22	Biosorption of nickel(II) ions by using chemically pre-treated Sargassum filipendula biomass in a fixed bed column. <i>World Journal of Microbiology and Biotechnology</i> , 2009 , 25, 1849-1856	4.4	3
21	PIXE analysis of chromium phytoaccumulation by the aquatic macrophytes Eicchornia crassipes. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2009 , 267, 1153-1157	1.2	12
20	A comparative study for the ion exchange of Fe(III) and Zn(II) on zeolite NaY. <i>Journal of Hazardous Materials</i> , 2009 , 161, 1404-12	12.8	96
19	Chromium ions phytoaccumulation by three floating aquatic macrophytes from a nutrient medium. <i>World Journal of Microbiology and Biotechnology</i> , 2008 , 24, 3063-3070	4.4	25
18	Prediction of the copper (II) ions dynamic removal from a medium by using mathematical models with analytical solution. <i>Journal of Hazardous Materials</i> , 2008 , 152, 366-72	12.8	45
17	Supercritical extraction process and phase equilibrium of Candeia (Eremanthus erythropappus) oil using supercritical carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2008 , 47, 182-187	4.2	67
16	Dynamic isotherms of dye in activated carbon. <i>Materials Research</i> , 2008 , 11, 365-369	1.5	10
15	Optimization of dye incorporation into modified poly(ethylene terephthalate) knitted fabrics by response surface methodology. <i>Dyes and Pigments</i> , 2007 , 75, 378-384	4.6	7
14	Equilibrium study of the binary mixture of cadmium/zinc ions biosorption by the Sargassum filipendula species using adsorption isotherms models and neural network. <i>Biochemical Engineering Journal</i> , 2007 , 34, 136-146	4.2	78
13	Adsorption of Cu(II) on Araucaria angustifolia wastes: determination of the optimal conditions by statistic design of experiments. <i>Journal of Hazardous Materials</i> , 2007 , 140, 211-20	12.8	88
12	Adsorption and desorption of binary mixtures of copper and mercury ions on natural and crosslinked chitosan membranes. <i>Adsorption</i> , 2007 , 13, 603-611	2.6	70
11	Adsorption of Reactive Blue 5G Dye by Activated Carbon and Pyrolyzed Shale Oil Residue. <i>Adsorption Science and Technology</i> , 2007 , 25, 741-749	3.6	7
10	The Removal of Fe(III) Ions by Adsorption onto Zeolite Columns. <i>Adsorption Science and Technology</i> , 2007 , 25, 757-768	3.6	2
9	Removal of nickel(II) ions from aqueous solution by biosorption in a fixed bed column: Experimental and theoretical breakthrough curves. <i>Biochemical Engineering Journal</i> , 2006 , 30, 184-191	4.2	166
8	Removal of Cr ³⁺ in fixed bed using zeolite NaY. <i>Chemical Engineering Journal</i> , 2006 , 117, 253-261	14.7	32
7	Chromium adsorption in olive stone activated carbon. <i>Adsorption</i> , 2006 , 12, 155-162	2.6	13
6	Biosorption of Chromium(III) by Biomass of Seaweed Sargassum sp. in a Fixed-Bed Column. <i>Adsorption</i> , 2004 , 10, 129-138	2.6	38

5	Removal of Cr(III) in the fixed bed column and batch reactors using as adsorbent zeolite NaX. <i>Chemical Engineering Science</i> , 2004 , 59, 5959-5966	4.4	60
4	Biosorption of binary mixtures of Cr(III) and Cu(II) ions by <i>Sargassum</i> sp. <i>Brazilian Journal of Chemical Engineering</i> , 2003 , 20, 213-227	1.7	20
3	Modeling of copper(II) biosorption by marine alga <i>Sargassum</i> sp. in fixed-bed column. <i>Process Biochemistry</i> , 2002 , 38, 791-799	4.8	69
2	GELATIN DRYING PROCESS. <i>Brazilian Journal of Chemical Engineering</i> , 2001 , 18, 467-478	1.7	
1	Modeling the supercritical desorption of orange essential oil from a silica-gel bed. <i>Brazilian Journal of Chemical Engineering</i> , 2000 , 17, 283-296	1.7	2