LicÃ-nio M Gando-Ferreira

List of Publications by Year
in descending order

85	1,674	361045	360668
papers	citations	20 h-index	35 g-index

87	87	87	1994
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	Highly selective solvent extraction of Zn(<scp>II</scp>) and Cr(<scp>III</scp>) with trioctylmethylammonium chloride ionic liquid. Canadian Journal of Chemical Engineering, 2022, 100, 131-142.	0.9	4
2	Ion Exchange to Capture Iron after Real Effluent Treatment by Fentonâ€™s Process. Water (Switzerland), 2022, 14, 706.	1.2	4
3	Fractionation of black liquor using ZnO nanoparticles/PES ultrafiltration membranes: Effect of operating variables. Journal of Cleaner Production, 2022, 345, 131183.	4.6	15
4	Agronomic valorization of sewage sludge: The potential of thermal drying to achieve sanitation and biological stability. Sustainable Chemistry and Pharmacy, 2022, 27, 100646.	1.6	1
5	Ultrafiltration of Fucus vesiculosus Extracts Under Different Operating Conditions. Waste and Biomass Valorization, 2022, 13, 4447-4458.	1.8	3
6	Optimization of hemicellulose recovery from black liquor using ZnO/PES ultrafiltration membranes in crossflow mode. Journal of Industrial and Engineering Chemistry, 2022, 114, 254-262.	2.9	3
7	Evaluation of Nickel Neurotoxicity and High Sorption through a Hybrid Yeast / Silsesquioxane Material. Silicon, 2021, 13, 259-265.	1.8	0
8	Mineral carbonation of a pulp and paper industry waste for CO2 sequestration. Chemical Engineering Research and Design, 2021, 148, 968-979.	2.7	18
9	Lignin separation from black liquor by mixed matrix polysulfone nanofiltration membrane filled with multiwalled carbon nanotubes. Separation and Purification Technology, 2021, 260, 118231.	3.9	32
10	From wastewater to fertilizer products: Alternative paths to mitigate phosphorus demand in European countries. Chemosphere, 2021, 284, 131258.	4.2	36
11	Micellar enhanced ultrafiltration for the valorization of phenolic compounds and polysaccharides from winery wastewaters. Journal of Water Process Engineering, 2020, 38, 101565.	2.6	18
12	Application of NF Polymeric Membranes for Removal of Multicomponent Heat-Stable Salts (HSS) Ions from Methyl Diethanolamine (MDEA) Solutions. Molecules, 2020, 25, 4911.	1.7	12
13	Removal of a mixture of pharmaceuticals sulfamethoxazole and diclofenac from water streams by a polyamide nanofiltration membrane. Water Science and Technology, 2020, 81, 732-743.	1.2	8
14	Novel adsorbents based on eggshell functionalized with iron oxyhydroxide for phosphorus removal from liquid effluents. Journal of Water Process Engineering, 2020, 36, 101248.	2.6	16
15	Kraft pulp mill dregs and grits as permeable reactive barrier for removal of copper and sulfate in acid mine drainage. Scientific Reports, 2020, 10, 4083.	1.6	15
16	Analysis of potentially toxic metal constraints to apply sewage sludge in Portuguese agricultural soils. Environmental Science and Pollution Research, 2019, 26, 26000-26014.	2.7	14
17	Recovery of phosphate from aqueous solutions using calcined eggshell as an eco-friendly adsorbent. Journal of Environmental Management, 2019, 238, 451-459.	3.8	51
18	Uptake of trivalent chromium from aqueous solutions by xanthate pine bark: Characterization, batch and column studies. Chemical Engineering Research and Design, 2019, 121, 374-386.	2.7	17

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19	Removal of HSS from industrial amine solution by anionic resin (case study: Ilam gas refinery). Chemical Papers, 2019, 73, 491-500.	1.0	10
20	New Methodology of Solvent Selection for the Regeneration of Waste Lubricant Oil Using Greenness Criteria. ACS Sustainable Chemistry and Engineering, 2018, 6, 6820-6828.	3.2	12
21	Experimental and mathematical modelling of Cr(III) sorption in fixed-bed column using modified pine bark. Journal of Cleaner Production, 2018, 183, 272-281.	4.6	36
22	Integrating Fentonâ€™s process and ion exchange for olive mill wastewater treatment and iron recovery. Environmental Technology (United Kingdom), 2018, 39, 308-316.	1.2	15
23	Removal of sulfamethoxazole and diclofenac from water: strategies involving O3 and H2O2. Environmental Technology (United Kingdom), 2018, 39, 1658-1669.	1.2	13
24	Development and characterization of pine bark with enhanced capacity for uptaking Cr(III) from aqueous solutions. Canadian Journal of Chemical Engineering, 2018, 96, 855-864.	0.9	12
25	Measurement and correlation of thermophysical properties of waste lubricant oil. Journal of Chemical Thermodynamics, 2018, 116, 137-146.	1.0	11
26	Regeneration of waste lubricant oil with distinct properties by extraction-flocculation using green solvents. Journal of Cleaner Production, 2018, 200, 578-587.	4.6	22
27	Single and binary sorption of Cr(III) and Ni(II) onto modified pine bark. Environmental Science and Pollution Research, 2018, 25, 28039-28049.	2.7	16
28	Insights into the Sorption Mechanisms of Cr(III) by Chemically Modified Pine Bark. Chemical Engineering and Technology, 2018, 41, 1378-1389.	0.9	15
29	Optimization of operating conditions for the valorization of olive mill wastewater using membrane processes. Environmental Science and Pollution Research, 2018, 25, 21968-21981.	2.7	15
30	An overview of waste lubricant oil management system: Physicochemical characterization contribution for its improvement. Journal of Cleaner Production, 2017, 150, 301-308.	4.6	24
31	Towards improved adsorption of phenolic compounds by surface chemistry tailoring of silica aerogels. Journal of Sol-Gel Science and Technology, 2017, 84, 409-421.	1.1	9
32	Assessment and Prediction of Lubricant Oil Properties Using Infrared Spectroscopy and Advanced Predictive Analytics. Energy & Fuels, 2017, 31, 179-187.	2.5	24
33	A data-driven approach for the study of coagulation phenomena in waste lubricant oils and its relevance in alkaline regeneration treatments. Science of the Total Environment, 2017, 599-600, 2054-2064.	3.9	8
34	Compost from poultry hatchery waste as a biosorbent for removal of Cd(II) and Pb(II) from aqueous solutions. Canadian Journal of Chemical Engineering, 2017, 95, 839-848.	0.9	7
35	A study of bio-hybrid silsesquioxane/yeast: Biosorption and neuronal toxicity of lead. Journal of Biotechnology, 2017, 264, 43-50.	1.9	9
36	Adsorption of phenol on silica aerogels using a stirred tank and a fixed bed column. CiÃªncia & Tecnologia Dos Materiais, 2017, 29, e229-e233.	0.5	6

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37	Studies on integration of ion exchange and nanofiltration for water desalination. Separation Science and Technology, 2017, 52, 2600-2610.	1.3	4
38	Recovery of phenolic compounds from wastewaters through micellar enhanced ultrafiltration. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 531, 18-24.	2.3	22
39	Iron recovery from the Fenton's treatment of winery effluent using an ion-exchange resin. Journal of Molecular Liquids, 2017, 242, 505-511.	2.3	30
40	Evaluation of Eggshell-Rich Compost as Biosorbent for Removal of Pb(II) from Aqueous Solutions. Water, Air, and Soil Pollution, 2016, 227, 1.	1.1	27
41	CO2 sequestration with serpentinite and metaperidotite from Northeast Portugal. Minerals Engineering, 2016, 94, 104-114.	1.8	22
42	Studies on the Chemical Stabilisation of Digestate from Mechanically Recovered Organic Fraction of Municipal Solid Waste. Waste and Biomass Valorization, 2015, 6, 711-721.	1.8	16
43	Integration of ion-exchange and nanofiltration processes for recovering Cr(III) salts from synthetic tannery wastewater. Environmental Technology (United Kingdom), 2015, 36, 2340-2348.	1.2	4
44	Silica-based aerogels as adsorbents for phenol-derivative compounds. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 480, 260-269.	2.3	60
45	Separation and recovery of valuable metals extracted from serpentinite during the production of Mg(OH)2 for CO2 sequestration. Minerals Engineering, 2015, 77, 25-33.	1.8	10
46	Ozonation and ultrafiltration for the treatment of olive mill wastewaters: effect of key operating conditions and integration schemes. Environmental Science and Pollution Research, 2015, 22, 15587-15597.	2.7	16
47	Nanofiltration and Fenton's process over iron shavings for surfactants removal. Environmental Technology (United Kingdom), 2014, 35, 2380-2388.	1.2	9
48	Solvent Extraction Studies for Separation of Zn(II) and Mn(II) from Spent Batteries Leach Solutions. Separation Science and Technology, 2014, 49, 398-409.	1.3	14
49	CO2 sequestration with magnesium silicatesâ€"Exergetic performance assessment. Chemical Engineering Research and Design, 2014, 92, 3072-3082.	2.7	17
50	Combined extraction of metals and production of Mg(OH)2 for CO2 sequestration from nickel mine ore and overburden. Minerals Engineering, 2013, 53, 167-170.	1.8	16
51	Recent Advances in Valorization Methods of Inorganic/Organic Solid, Liquid, and Gas Wastes. International Journal of Chemical Engineering, 2012, 2012, 1-2.	1.4	0
52	Application of Ion Exchange Resins in Selective Separation of Cr(III) from Electroplating Effluents. , 2012, , 323-336.		1
53	Separation of phenylalanine and tyrosine by ion-exchange using a strong-base anionic resin. I. Breakthrough curves analysis. Biochemical Engineering Journal, 2012, 67, 231-240.	1.8	10
54	Separation of phenylalanine and tyrosine by ion-exchange using a strong-base anionic resin. II. Cyclic adsorption/desorption studies. Biochemical Engineering Journal, 2012, 67, 241-250.	1.8	8

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55	Selective separation of Cr(III) and Fe(III) from liquid effluents using a chelating resin. Water Science and Technology, 2012, 66, 1968-1976.	1.2	8
56	Application of hydrophobic silica based aerogels and xerogels for removal of toxic organic compounds from aqueous solutions. Journal of Colloid and Interface Science, 2012, 380, 134-140.	5.0	109
57	CO2 fixation using magnesium silicate minerals. Part 2: Energy efficiency and integration with iron-and steelmaking. Energy, 2012, 41, 203-211.	4.5	40
58	A virtual platform to teach separation processes. Computer Applications in Engineering Education, 2012, 20, 175-186.	2.2	22
59	Prebleaching of eucalypt kraft pulp with OP stages: Effect of an acid pretreatment or chelation step. Tappi Journal, 2012, 11, 31-38.	0.2	2
60	Kinetic modeling analysis for the removal of Cr(III) by Diphonix resin. Chemical Engineering Journal, 2011, 172, 623-633.	6.6	6
61	A national inventory to estimate release of polychlorinated dibenzo-p-dioxins and dibenzofurans in Portugal. Chemosphere, 2011, 85, 1749-1758.	4.2	10
62	Equilibrium and kinetic studies on removal of Cu2+ and Cr3+ from aqueous solutions using a chelating resin. Chemical Engineering Journal, 2011, 172, 277-286.	6.6	28
63	Rheology of poly(vinyl chloride) plastisol: Effect of a particular nonionic cosurfactant. Journal of Applied Polymer Science, 2010, 115, 599-607.	1.3	5
64	Nanofiltration process for separating Cr(III) from acid solutions: Experimental and modelling analysis. Desalination, 2010, 254, 80-89.	4.0	59
65	Simulation of Membrane Separations Using a Modified Maxwell-Stefan Model. Chemical Product and Process Modeling, 2009, 4, .	0.5	1
66	PVC paste rheology: Study of process dependencies. Journal of Applied Polymer Science, 2009, 112, 2809-2821.	1.3	14
67	Evaluation of chelating ion-exchange resins for separating Cr(III) from industrial effluents. Journal of Hazardous Materials, 2009, 169, 516-523.	6.5	52
68	Estimation of stream compositions in reverse osmosis seawater desalination systems. Desalination and Water Treatment, 2009, 1, 82-87.	1.0	2
69	Performance study of an industrial RO plant for seawater desalination. Desalination, 2007, 208, 269-276.	4.0	17
70	Removal of chromium from electroplating industry effluents by ion exchange resins. Journal of Hazardous Materials, 2007, 144, 634-638.	6.5	254
71	Virtual Applications Using a Web Platform to Teach Chemical Engineering. Education for Chemical Engineers, 2007, 2, 20-28.	2.8	20
72	Pressurized hydrogen peroxide bleaching of Eucalyptus globulus pulps. Part I: Effect of process variables. Nordic Pulp and Paper Research Journal, 2007, 22, 17-22.	0.3	2

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73	Pressurized hydrogen peroxide bleaching of Eucalyptus globulus pulps. Part II: Kinetics. Nordic Pulp and Paper Research Journal, 2007, 22, 23-27.	0.3	3
74	Equilibrium studies of phenylalanine and tyrosine on ion-exchange resins. Chemical Engineering Science, 2005, 60, 5022-5034.	1.9	17
75	Kinetic studies for sorption of amino acids using a strong anion-exchange resin. Journal of Chromatography A, 2005, 1092, 101-106.	1.8	12
76	Removal of Chloride in the Kraft Chemical Recovery Cycle of Pulp Mills Using the Ion-Exchange Process. Industrial & Engineering Chemistry Research, 2004, 43, 7121-7128.	1.8	5
77	Regeneration of Fixed-Bed Adsorbers Saturated with Single and Binary Mixtures of Phenol andm-Cresol. Industrial & Engineering Chemistry Research, 2002, 41, 6165-6174.	1.8	7
78	An analytical and experimental study of heat transfer in fixed bed. International Journal of Heat and Mass Transfer, 2002, 45, 951-961.	2.5	17
79	Reduction of AOX in the Bleach Plant of a Pulp Mill. Environmental Science & Technology, 2001, 35, 4390-4393.	4.6	17
80	A package for thermal parametric pumping adsorptive processes. Chemical Engineering Journal, 2000, 76, 115-125.	6.6	13
81	Binary Adsorption of Phenol and m-Cresol Mixtures onto a Polymeric Adsorbent. Adsorption, 1999, 5, 359-368.	1.4	16
82	Adsorption of phenylalanine onto polymeric resins: equilibrium, kinetics and operation of a parametric pumping unit. Separation and Purification Technology, 1998, 13, 25-35.	3.9	35
83	Adsorptive separation by thermal parametric pumping part I: Modeling and simulation. Adsorption, 1995, 1, 213-231.	1.4	16
84	Adsorptive separation by thermal parametric pumping part II: Experimental study of the purification of aqueous phenolic solutions at pilot scale. Adsorption, 1995, 1, 233-252.	1.4	17
85	Management of waste lubricant oil in Europe: A circular economy approach. Critical Reviews in Environmental Science and Technology, 0, , 1-36.	6.6	31