

Licãnio M Gando-Ferreira

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7534594/publications.pdf>

Version: 2024-02-01

85
papers

1,674
citations

361045

20
h-index

360668

35
g-index

87
all docs

87
docs citations

87
times ranked

1994
citing authors

#	ARTICLE	IF	CITATIONS
1	Removal of chromium from electroplating industry effluents by ion exchange resins. <i>Journal of Hazardous Materials</i> , 2007, 144, 634-638.	6.5	254
2	Application of hydrophobic silica based aerogels and xerogels for removal of toxic organic compounds from aqueous solutions. <i>Journal of Colloid and Interface Science</i> , 2012, 380, 134-140.	5.0	109
3	Silica-based aerogels as adsorbents for phenol-derivative compounds. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 480, 260-269.	2.3	60
4	Nanofiltration process for separating Cr(III) from acid solutions: Experimental and modelling analysis. <i>Desalination</i> , 2010, 254, 80-89.	4.0	59
5	Evaluation of chelating ion-exchange resins for separating Cr(III) from industrial effluents. <i>Journal of Hazardous Materials</i> , 2009, 169, 516-523.	6.5	52
6	Recovery of phosphate from aqueous solutions using calcined eggshell as an eco-friendly adsorbent. <i>Journal of Environmental Management</i> , 2019, 238, 451-459.	3.8	51
7	CO ₂ fixation using magnesium silicate minerals. Part 2: Energy efficiency and integration with iron-and steelmaking. <i>Energy</i> , 2012, 41, 203-211.	4.5	40
8	Experimental and mathematical modelling of Cr(III) sorption in fixed-bed column using modified pine bark. <i>Journal of Cleaner Production</i> , 2018, 183, 272-281.	4.6	36
9	From wastewater to fertilizer products: Alternative paths to mitigate phosphorus demand in European countries. <i>Chemosphere</i> , 2021, 284, 131258.	4.2	36
10	Adsorption of phenylalanine onto polymeric resins: equilibrium, kinetics and operation of a parametric pumping unit. <i>Separation and Purification Technology</i> , 1998, 13, 25-35.	3.9	35
11	Lignin separation from black liquor by mixed matrix polysulfone nanofiltration membrane filled with multiwalled carbon nanotubes. <i>Separation and Purification Technology</i> , 2021, 260, 118231.	3.9	32
12	Management of waste lubricant oil in Europe: A circular economy approach. <i>Critical Reviews in Environmental Science and Technology</i> , 0, , 1-36.	6.6	31
13	Iron recovery from the Fenton's treatment of winery effluent using an ion-exchange resin. <i>Journal of Molecular Liquids</i> , 2017, 242, 505-511.	2.3	30
14	Equilibrium and kinetic studies on removal of Cu ²⁺ and Cr ³⁺ from aqueous solutions using a chelating resin. <i>Chemical Engineering Journal</i> , 2011, 172, 277-286.	6.6	28
15	Evaluation of Eggshell-Rich Compost as Biosorbent for Removal of Pb(II) from Aqueous Solutions. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	1.1	27
16	An overview of waste lubricant oil management system: Physicochemical characterization contribution for its improvement. <i>Journal of Cleaner Production</i> , 2017, 150, 301-308.	4.6	24
17	Assessment and Prediction of Lubricant Oil Properties Using Infrared Spectroscopy and Advanced Predictive Analytics. <i>Energy & Fuels</i> , 2017, 31, 179-187.	2.5	24
18	A virtual platform to teach separation processes. <i>Computer Applications in Engineering Education</i> , 2012, 20, 175-186.	2.2	22

#	ARTICLE	IF	CITATIONS
19	CO2 sequestration with serpentinite and metaperidotite from Northeast Portugal. <i>Minerals Engineering</i> , 2016, 94, 104-114.	1.8	22
20	Recovery of phenolic compounds from wastewaters through micellar enhanced ultrafiltration. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 531, 18-24.	2.3	22
21	Regeneration of waste lubricant oil with distinct properties by extraction-flocculation using green solvents. <i>Journal of Cleaner Production</i> , 2018, 200, 578-587.	4.6	22
22	Virtual Applications Using a Web Platform to Teach Chemical Engineering. <i>Education for Chemical Engineers</i> , 2007, 2, 20-28.	2.8	20
23	Micellar enhanced ultrafiltration for the valorization of phenolic compounds and polysaccharides from winery wastewaters. <i>Journal of Water Process Engineering</i> , 2020, 38, 101565.	2.6	18
24	Mineral carbonation of a pulp and paper industry waste for CO2 sequestration. <i>Chemical Engineering Research and Design</i> , 2021, 148, 968-979.	2.7	18
25	Adsorptive separation by thermal parametric pumping part II: Experimental study of the purification of aqueous phenolic solutions at pilot scale. <i>Adsorption</i> , 1995, 1, 233-252.	1.4	17
26	Reduction of AOX in the Bleach Plant of a Pulp Mill. <i>Environmental Science & Technology</i> , 2001, 35, 4390-4393.	4.6	17
27	An analytical and experimental study of heat transfer in fixed bed. <i>International Journal of Heat and Mass Transfer</i> , 2002, 45, 951-961.	2.5	17
28	Equilibrium studies of phenylalanine and tyrosine on ion-exchange resins. <i>Chemical Engineering Science</i> , 2005, 60, 5022-5034.	1.9	17
29	Performance study of an industrial RO plant for seawater desalination. <i>Desalination</i> , 2007, 208, 269-276.	4.0	17
30	CO2 sequestration with magnesium silicates – Energetic performance assessment. <i>Chemical Engineering Research and Design</i> , 2014, 92, 3072-3082.	2.7	17
31	Uptake of trivalent chromium from aqueous solutions by xanthate pine bark: Characterization, batch and column studies. <i>Chemical Engineering Research and Design</i> , 2019, 121, 374-386.	2.7	17
32	Adsorptive separation by thermal parametric pumping part I: Modeling and simulation. <i>Adsorption</i> , 1995, 1, 213-231.	1.4	16
33	Binary Adsorption of Phenol and m-Cresol Mixtures onto a Polymeric Adsorbent. <i>Adsorption</i> , 1999, 5, 359-368.	1.4	16
34	Combined extraction of metals and production of Mg(OH)2 for CO2 sequestration from nickel mine ore and overburden. <i>Minerals Engineering</i> , 2013, 53, 167-170.	1.8	16
35	Studies on the Chemical Stabilisation of Digestate from Mechanically Recovered Organic Fraction of Municipal Solid Waste. <i>Waste and Biomass Valorization</i> , 2015, 6, 711-721.	1.8	16
36	Ozonation and ultrafiltration for the treatment of olive mill wastewaters: effect of key operating conditions and integration schemes. <i>Environmental Science and Pollution Research</i> , 2015, 22, 15587-15597.	2.7	16

#	ARTICLE	IF	CITATIONS
37	Single and binary sorption of Cr(III) and Ni(II) onto modified pine bark. <i>Environmental Science and Pollution Research</i> , 2018, 25, 28039-28049.	2.7	16
38	Novel adsorbents based on eggshell functionalized with iron oxyhydroxide for phosphorus removal from liquid effluents. <i>Journal of Water Process Engineering</i> , 2020, 36, 101248.	2.6	16
39	Integrating Fenton's process and ion exchange for olive mill wastewater treatment and iron recovery. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 308-316.	1.2	15
40	Insights into the Sorption Mechanisms of Cr(III) by Chemically Modified Pine Bark. <i>Chemical Engineering and Technology</i> , 2018, 41, 1378-1389.	0.9	15
41	Optimization of operating conditions for the valorization of olive mill wastewater using membrane processes. <i>Environmental Science and Pollution Research</i> , 2018, 25, 21968-21981.	2.7	15
42	Kraft pulp mill dregs and grits as permeable reactive barrier for removal of copper and sulfate in acid mine drainage. <i>Scientific Reports</i> , 2020, 10, 4083.	1.6	15
43	Fractionation of black liquor using ZnO nanoparticles/PES ultrafiltration membranes: Effect of operating variables. <i>Journal of Cleaner Production</i> , 2022, 345, 131183.	4.6	15
44	PVC paste rheology: Study of process dependencies. <i>Journal of Applied Polymer Science</i> , 2009, 112, 2809-2821.	1.3	14
45	Solvent Extraction Studies for Separation of Zn(II) and Mn(II) from Spent Batteries Leach Solutions. <i>Separation Science and Technology</i> , 2014, 49, 398-409.	1.3	14
46	Analysis of potentially toxic metal constraints to apply sewage sludge in Portuguese agricultural soils. <i>Environmental Science and Pollution Research</i> , 2019, 26, 26000-26014.	2.7	14
47	A package for thermal parametric pumping adsorptive processes. <i>Chemical Engineering Journal</i> , 2000, 76, 115-125.	6.6	13
48	Removal of sulfamethoxazole and diclofenac from water: strategies involving O ₃ and H ₂ O ₂ . <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 1658-1669.	1.2	13
49	Kinetic studies for sorption of amino acids using a strong anion-exchange resin. <i>Journal of Chromatography A</i> , 2005, 1092, 101-106.	1.8	12
50	New Methodology of Solvent Selection for the Regeneration of Waste Lubricant Oil Using Greenness Criteria. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 6820-6828.	3.2	12
51	Development and characterization of pine bark with enhanced capacity for uptaking Cr(III) from aqueous solutions. <i>Canadian Journal of Chemical Engineering</i> , 2018, 96, 855-864.	0.9	12
52	Application of NF Polymeric Membranes for Removal of Multicomponent Heat-Stable Salts (HSS) Ions from Methyl Diethanolamine (MDEA) Solutions. <i>Molecules</i> , 2020, 25, 4911.	1.7	12
53	Measurement and correlation of thermophysical properties of waste lubricant oil. <i>Journal of Chemical Thermodynamics</i> , 2018, 116, 137-146.	1.0	11
54	A national inventory to estimate release of polychlorinated dibenzo-p-dioxins and dibenzofurans in Portugal. <i>Chemosphere</i> , 2011, 85, 1749-1758.	4.2	10

#	ARTICLE	IF	CITATIONS
55	Separation of phenylalanine and tyrosine by ion-exchange using a strong-base anionic resin. I. Breakthrough curves analysis. <i>Biochemical Engineering Journal</i> , 2012, 67, 231-240.	1.8	10
56	Separation and recovery of valuable metals extracted from serpentinite during the production of Mg(OH) ₂ for CO ₂ sequestration. <i>Minerals Engineering</i> , 2015, 77, 25-33.	1.8	10
57	Removal of HSS from industrial amine solution by anionic resin (case study: Ilam gas refinery). <i>Chemical Papers</i> , 2019, 73, 491-500.	1.0	10
58	Nanofiltration and Fenton's process over iron shavings for surfactants removal. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 2380-2388.	1.2	9
59	Towards improved adsorption of phenolic compounds by surface chemistry tailoring of silica aerogels. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 84, 409-421.	1.1	9
60	A study of bio-hybrid silsesquioxane/yeast: Biosorption and neuronal toxicity of lead. <i>Journal of Biotechnology</i> , 2017, 264, 43-50.	1.9	9
61	Separation of phenylalanine and tyrosine by ion-exchange using a strong-base anionic resin. II. Cyclic adsorption/desorption studies. <i>Biochemical Engineering Journal</i> , 2012, 67, 241-250.	1.8	8
62	Selective separation of Cr(III) and Fe(III) from liquid effluents using a chelating resin. <i>Water Science and Technology</i> , 2012, 66, 1968-1976.	1.2	8
63	A data-driven approach for the study of coagulation phenomena in waste lubricant oils and its relevance in alkaline regeneration treatments. <i>Science of the Total Environment</i> , 2017, 599-600, 2054-2064.	3.9	8
64	Removal of a mixture of pharmaceuticals sulfamethoxazole and diclofenac from water streams by a polyamide nanofiltration membrane. <i>Water Science and Technology</i> , 2020, 81, 732-743.	1.2	8
65	Regeneration of Fixed-Bed Adsorbers Saturated with Single and Binary Mixtures of Phenol and m-Cresol. <i>Industrial & Engineering Chemistry Research</i> , 2002, 41, 6165-6174.	1.8	7
66	Compost from poultry hatchery waste as a biosorbent for removal of Cd(II) and Pb(II) from aqueous solutions. <i>Canadian Journal of Chemical Engineering</i> , 2017, 95, 839-848.	0.9	7
67	Kinetic modeling analysis for the removal of Cr(III) by Diphonix resin. <i>Chemical Engineering Journal</i> , 2011, 172, 623-633.	6.6	6
68	Adsorption of phenol on silica aerogels using a stirred tank and a fixed bed column. <i>Cincia & Tecnologia Dos Materiais</i> , 2017, 29, e229-e233.	0.5	6
69	Removal of Chloride in the Kraft Chemical Recovery Cycle of Pulp Mills Using the Ion-Exchange Process. <i>Industrial & Engineering Chemistry Research</i> , 2004, 43, 7121-7128.	1.8	5
70	Rheology of poly(vinyl chloride) plastisol: Effect of a particular nonionic cosurfactant. <i>Journal of Applied Polymer Science</i> , 2010, 115, 599-607.	1.3	5
71	Integration of ion-exchange and nanofiltration processes for recovering Cr(III) salts from synthetic tannery wastewater. <i>Environmental Technology (United Kingdom)</i> , 2015, 36, 2340-2348.	1.2	4
72	Studies on integration of ion exchange and nanofiltration for water desalination. <i>Separation Science and Technology</i> , 2017, 52, 2600-2610.	1.3	4

#	ARTICLE	IF	CITATIONS
73	Highly selective solvent extraction of Zn(II) and Cr(III) with trioctylmethylammonium chloride ionic liquid. Canadian Journal of Chemical Engineering, 2022, 100, 131-142.	0.9	4
74	Ion Exchange to Capture Iron after Real Effluent Treatment by Fenton's Process. Water (Switzerland), 2022, 14, 706.	1.2	4
75	Pressurized hydrogen peroxide bleaching of Eucalyptus globulus pulps. Part II: Kinetics. Nordic Pulp and Paper Research Journal, 2007, 22, 23-27.	0.3	3
76	Ultrafiltration of Fucus vesiculosus Extracts Under Different Operating Conditions. Waste and Biomass Valorization, 2022, 13, 4447-4458.	1.8	3
77	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
78	Estimation of stream compositions in reverse osmosis seawater desalination systems. Desalination and Water Treatment, 2009, 1, 82-87.	1.0	2
79	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
80	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
81	Simulation of Membrane Separations Using a Modified Maxwell-Stefan Model. Chemical Product and Process Modeling, 2009, 4, .	0.5	1
82	Application of Ion Exchange Resins in Selective Separation of Cr(III) from Electroplating Effluents. , 2012, , 323-336.		1
83	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
84	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
85	Evaluation of Nickel Neurotoxicity and High Sorption through a Hybrid Yeast / Silsesquioxane Material. Silicon, 2021, 13, 259-265.	1.8	0