LuÃ-s Moreira GonÃ§alves

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4450017/publications.pdf

Version: 2024-02-01

94 papers	2,518 citations	201674 27 h-index	223800 46 g-index
94 all docs	94 docs citations	94 times ranked	3291 citing authors

#	Article	IF	Citations
1	Determination of 5-hydroxymethylfurfural using an electropolymerized molecularly imprinted polymer in combination with Salle. Talanta, 2022, 250, 123723.	5.5	4
2	A medical algorithm for Cotard delusion based on more than 300 literature cases. International Journal of Psychiatry in Clinical Practice, 2021, 25, 220-232.	2.4	6
3	Employing molecularly imprinted polymers in the development of electroanalytical methodologies for antibiotic determination. Journal of Molecular Recognition, 2021, 34, e2878.	2.1	26
4	Electropolymerized molecularly imprinted polymers: perceptions based on recent literature for soon-to-be world-class scientists. Current Opinion in Electrochemistry, 2021, 25, 100640.	4.8	50
5	Combining capillary electromigration with molecular imprinting techniques towards an optimal separation and determination. Talanta, 2021, 221, 121546.	5.5	18
6	Organochlorine pesticide analysis in milk by gas-diffusion microextraction with gas chromatography-electron capture detection and confirmation by mass spectrometry. Journal of Chromatography A, 2021, 1636, 461797.	3.7	22
7	Electropolymerized Molecularly Imprinted Polymers in Sensing Applications. , 2021, , .		0
8	Electroanalytical profiling of cocaine samples by means of an electropolymerized molecularly imprinted polymer using benzocaine as the template molecule. Analyst, The, 2021, 146, 1747-1759.	3.5	12
9	3,4-Methylenedioxypyrovalerone (MDPV) Sensing Based on Electropolymerized Molecularly Imprinted Polymers on Silver Nanoparticles and Carboxylated Multi-Walled Carbon Nanotubes. Nanomaterials, 2021, 11, 353.	4.1	10
10	NS1 glycoprotein detection in serum and urine as an electrochemical screening immunosensor for dengue and Zika virus. Analytical and Bioanalytical Chemistry, 2021, 413, 4873-4885.	3.7	12
11	Probeless and label-free impedimetric biosensing of D-dimer using gold nanoparticles conjugated with dihexadecylphosphate on screen-printed carbon electrodes. Electrochimica Acta, 2021, 397, 139244.	5.2	12
12	HO- and OH-, Reason and Tradition. Brazilian Journal of Analytical Chemistry, 2021, 8, 10-12.	0.5	0
13	Biosensing of D-dimer, making the transition from the central hospital laboratory to bedside determination. Talanta, 2020, 207, 120270.	5.5	13
14	Saltingâ€out assisted liquidâ€“liquid extraction with dansyl chloride for the determination of biogenic amines in food. International Journal of Food Science and Technology, 2020, 55, 248-258.	2.7	15
15	Magnetic molecularly imprinted polymers obtained by photopolymerization for selective recognition of penicillin G. Journal of Applied Polymer Science, 2020, 137, 48496.	2.6	21
16	Derivatizationâ€free determination of aminoglycosides by CZEâ€“UV in pharmaceutical formulations. Electrophoresis, 2020, 41, 1576-1583.	2.4	5
17	Insights into electrochemical behavior in laser-scribed electrochemical paper-based analytical devices. Electrochemistry Communications, 2020, 121, 106872.	4.7	18
18	Laserâ€pyrolysed paper electrodes for the squareâ€wave anodic stripping voltammetric detection of lead. Medical Devices & Sensors, 2020, 3, e10115.	2.7	9

#	Article	IF	Citations
19	Rational Design of an Ion-Imprinted Polymer for Aqueous Methylmercury Sorption. Nanomaterials, 2020, 10, 2541.	4.1	18
20	Dansyl Chloride as a Derivatizing Agent for the Analysis of Biogenic Amines by CZE-UV. Chromatographia, 2020, 83, 767-778.	1.3	18
21	Methylone screening with electropolymerized molecularly imprinted polymer on screen-printed electrodes. Sensors and Actuators B: Chemical, 2020, 316, 128133.	7.8	23
22	SÃ“ ERRA QUEM FAZ, E QUEM FAZ ERRA! UM MANIFESTO PELO CÃŁCULO DA PROPAGAÃ‡ÃƒO DE INCERTEZAS.. Quimica Nova, 2020, , .	0.3	0
23	Cyclohexaneâ€1,3â€dione as a derivatizing agent for the analysis of aldehydes by micelar electrokinetic chromatography with diode array detection. Electrophoresis, 2019, 40, 2929-2935.	2.4	12
24	Laser-pyrolyzed electrochemical paper-based analytical sensor for sulphite analysis. Electrochemistry Communications, 2019, 107, 106541.	4.7	36
25	Electrochemical sensing of ecstasy with electropolymerized molecularly imprinted poly(o-phenylenediamine) polymer on the surface of disposable screen-printed carbon electrodes. Sensors and Actuators B: Chemical, 2019, 290, 378-386.	7.8	77
26	Electrochemical sensing of the thyroid hormone thyronamine (T0AM) via molecular imprinted polymers (MIPs). Talanta, 2019, 194, 689-696.	5.5	35
27	The Analytical Challenge in the Determination of Cathinones, Key-Players in the Worldwide Phenomenon of Novel Psychoactive Substances. Critical Reviews in Analytical Chemistry, 2018, 48, 372-390.	3.5	30
28	Electrochemical sensing using magnetic molecularly imprinted polymer particles previously captured by a magneto-sensor. Talanta, 2018, 181, 19-23.	5.5	32
29	Determination of Cephalosporins by UHPLC-DAD Using Molecularly Imprinted Polymers. Journal of Chromatographic Science, 2018, 56, 187-193.	1.4	17
30	Miniaturized voltammetric cell for cathodic voltammetry making use of an agar membrane. Journal of Electroanalytical Chemistry, 2018, 821, 47-52.	3.8	7
31	4-hydrazinobenzoic acid as a derivatizing agent for aldehyde analysis by HPLC-UV and CE-DAD. Talanta, 2018, 187, 113-119.	5.5	34
32	Determination of glyphosate and aminomethylphosphonic acid by capillary electrophoresis with indirect detection using pyridine-2,6-dicarboxylic acid or 3,5-dinitrobenzoic acid. International Journal of Environmental Analytical Chemistry, 2018, 98, 258-270.	3.3	12
33	Determination of Metribuzin with a Cobalt Phthalocyanine-Modified Carbon Paste Electrode. Analytical Letters, 2018, 51, 1694-1704.	1.8	4
34	Synthesis and characterization of magnetic-molecularly imprinted polymers for the HPLC-UV analysis of ametryn. Reactive and Functional Polymers, 2018, 122, 175-182.	4.1	66
35	SAM-Based Immunosensor for the Analysis of Thyroxine (T4). Journal of the Electrochemical Society, 2017, 164, B103-B106.	2.9	16
36	An Insight on Saltingâ€out Assisted Liquidâ€“Liquid Extraction for Phytoanalysis. Phytochemical Analysis, 2017, 28, 297-304.	2.4	10

#	Article	IF	Citations
37	Modified carbon paste electrode for the electrochemical sensing of 3,5,6-trichloro-2-pyridinol. International Journal of Environmental Analytical Chemistry, 2017, 97, 159-167.	3.3	6
38	Voltammetric determination of trace amounts of diacetyl at a mercury meniscus modified silver solid amalgam electrode following gas-diffusion microextraction. Talanta, 2017, 169, 203-208.	5.5	14
39	Electrochemical sensing of total sulphites in beer using non-modified screen-printed carbon electrodes. Journal of the Institute of Brewing, 2017, 123, 45-48.	2.3	20
40	Modified screen-printed electrode for the FIA-amperometric determination of 2-nitro-p-phenylenediamine. Microchemical Journal, 2017, 131, 92-97.	4.5	8
41	Derivatizing assay for the determination of aldehydes using micellar electrokinetic chromatography. Electrophoresis, 2017, 38, 1068-1074.	2.4	15
42	Recent Advances in Membrane-Aided Extraction and Separation for Analytical Purposes. Separation and Purification Reviews, 2017, 46, 179-194.	5.5	36
43	The impact of xanthohumol on a brewing yeast's viability, vitality and metabolite formation. Journal of the Institute of Brewing, 2016, 122, 363-363.	2.3	0
44	Ferrocene Aryl Derivatives for the Redox Tagging of Graphene Nanoplatelets. Electroanalysis, 2016, 28, 197-202.	2.9	13
45	Overall Antioxidant Properties of Malt and How They Are Influenced by the Individual Constituents of Barley and the Malting Process. Comprehensive Reviews in Food Science and Food Safety, 2016, 15, 927-943.	11.7	52
46	Can saliva testing replace blood measurements for health monitoring? Insights from a correlation study of salivary and whole blood glutathione in humans. Analyst, The, 2016, 141, 4707-4712.	3.5	19
47	Molecular conductance of double-stranded DNA evaluated by electrochemical capacitance spectroscopy. Nanoscale, 2016, 8, 8931-8938.	5.6	16
48	Stochastic detection and characterisation of individual ferrocene derivative tagged graphene nanoplatelets. Analyst, The, 2016, 141, 2696-2703.	3.5	19
49	Free sulphite determination in wine using screen-printed carbon electrodes with prior gas-diffusion microextraction. Electrochemistry Communications, 2016, 63, 52-55.	4.7	37
50	Sudden onset of Cotard’s syndrome as a clinical sign of brain tumor. Revista De Psiquiatria Clinica, 2016, 43, 35-36.	0.6	4
51	Application of gas-diffusion microextraction to solid samples using the chromatographic determination of Î±-diketones in bread as a case study. Analyst, The, 2015, 140, 3648-3653.	3.5	16
52	Î²-Lactamase-based biosensor for the electrochemical determination of benzylpenicillin in milk. Sensors and Actuators B: Chemical, 2015, 210, 254-258.	7.8	54
53	Electrochemical determination of free and total glutathione in human saliva samples. Sensors and Actuators B: Chemical, 2015, 221, 962-968.	7.8	65
54	An Optimized Firefly Luciferase Bioluminescent Assay for the Analysis of Free Fatty Acids. Photochemistry and Photobiology, 2015, 91, 980-984.	2.5	3

#	Article	IF	Citations
55	Sensitive label-free electron chemical capacitive signal transduction for D-dimer electroanalysis. Electrochimica Acta, 2015, 182, 946-952.	5.2	30
56	Diarylferrocene tweezers for cation binding. Physical Chemistry Chemical Physics, 2015, 17, 23917-23923.	2.8	8
57	Pitahaya Aging Diagnostic by Impedance/Capacitance Spectroscopy. Food Analytical Methods, 2015, 8, 126-129.	2.6	4
58	Proof of Concept of the Electrochemical Sensing of 3â€Iodothyronamine (T₁AM) and Thyronamine (T₀AM). ChemElectroChem, 2014, 1, 1623-1626.	3.4	4
59	An Overview on Cardamonin. Journal of Medicinal Food, 2014, 17, 633-640.	1.5	103
60	Determination of ethyl carbamate in spirits using salting-out assisted liquidâ€“liquid extraction and high performance liquid chromatography with fluorimetric detection. Analytical Methods, 2014, 6, 9136-9141.	2.7	15
61	Penicillinase-based amperometric biosensor for penicillin G. Electrochemistry Communications, 2014, 38, 131-133.	4.7	42
62	Pyranoflavylium Derivatives Extracted from Wine Grape as Photosensitizers in Solar Cells. Journal of the Brazilian Chemical Society, 2014, , .	0.6	5
63	Another glimpse over the salting-out assisted liquidâ€“liquid extraction in acetonitrile/water mixtures. Journal of Chromatography A, 2013, 1308, 58-62.	3.7	96
64	Voltammetric Analysis of Licochalcone A in Licorice. Journal of the Electrochemical Society, 2013, 160, H671-H673.	2.9	2
65	Chemical sensing of chalcones by voltammetry: trans-Chalcone, cardamonin and xanthohumol. Electrochimica Acta, 2013, 90, 440-444.	5.2	26
66	Electrogravimetric Analysis by Quartz-Crystal Microbalance on the Consumption of the Neurotransmitter Acetylcholine by Acetylcholinesterase. Analytical Letters, 2013, 46, 258-265.	1.8	7
67	Chromatographic analysis of methylglyoxal and other Î±-dicarbonyls using gas-diffusion microextraction. Analyst, The, 2013, 138, 7233.	3.5	18
68	EFFECT OF XANTHOHUMOL ON BREWING YEAST CELLS. Acta Horticulturae, 2013, , 233-238.	0.2	0
69	Special Issue dedicated to the XVIII Meeting of the Portuguese Electrochemical Society â€“ A glimpse into the electrochemical research in Portugal. Portugaliae Electrochimica Acta, 2013, 31, 289-290.	1.1	0
70	Application of gas-diffusion microextraction for high-performance liquid chromatographic analysis of aliphatic amines in fermented beverages. Analytical Methods, 2012, 4, 2569.	2.7	20
71	Determination of free and total diacetyl in wine by HPLCâ€“UV using gas-diffusion microextraction and pre-column derivatization. Food Control, 2012, 24, 220-224.	5.5	24
72	Analysis of Cardamonin by Square Wave Voltammetry. Phytochemical Analysis, 2012, 23, 396-399.	2.4	11

#	Article	IF	Citations
73	Application of gas-diffusion microextraction to the analysis of free and bound acetaldehyde in wines by HPLCâ€“UV and characterization of the extracted compounds by MS/MS detection. Analytical and Bioanalytical Chemistry, 2012, 403, 1031-1037.	3.7	23
74	Single determination of Î±-ketoglutaric acid and pyruvic acid in beer by HPLC with UV detection. Analytical Methods, 2011, 3, 1207.	2.7	21
75	Novel Application of Square-Wave Adsorptive-Stripping Voltammetry for the Determination of Xanthohumol in Spent Hops. Journal of Agricultural and Food Chemistry, 2011, 59, 7654-7658.	5.2	12
76	Influence of malt on the xanthohumol and isoxanthohumol behavior in pale and dark beers: A micro-scale approach. Food Research International, 2011, 44, 351-359.	6.2	28
77	The Impact of Xanthohumol on a Brewing Yeast's Viability, Vitality and Metabolite Formation. Journal of the Institute of Brewing, 2011, 117, 368-376.	2.3	11
78	Quartz crystal microbalance as a tool for kinetic enzymatic assays by variation of pH. Analytical Biochemistry, 2011, 418, 152-154.	2.4	4
79	Voltammetric analysis of metallothioneins and copper (II) in fish for water biomonitoring studies. Environmental Chemistry Letters, 2011, 9, 405-410.	16.2	2
80	Increased sensitivity of anodic stripping voltammetry at the hanging mercury drop electrode by ultracathodic deposition. Analytica Chimica Acta, 2011, 701, 152-156.	5.4	49
81	The Voltammetric Responses of High and Low Molecular Weight DNA on a Variety of Carbon Substrates; Demonstrating the Benefits of Graphitic Surfaces. Electroanalysis, 2011, 23, 583-587.	2.9	3
82	The indirect electrochemical detection and quantification of DNA through its co-adsorption with anthraquinone monosulphonate on graphitic and multi-walled carbon nanotube screen printed electrodes. Biosensors and Bioelectronics, 2011, 26, 4198-4203.	10.1	23
83	Gasâ€diffusion microextraction. Journal of Separation Science, 2010, 33, 3207-3212.	2.5	43
84	Isolation of phenolic compounds from hop extracts using polyvinylpolypyrrolidone: Characterization by high-performance liquid chromatographyâ€“diode array detectionâ€“electrospray tandem mass spectrometry. Journal of Chromatography A, 2010, 1217, 3258-3268.	3.7	99
85	Analysis of aldehydes in beer by gas-diffusion microextraction: Characterization by high-performance liquid chromatographyâ€“diode-array detectionâ€“atmospheric pressure chemical ionizationâ€“mass spectrometry. Journal of Chromatography A, 2010, 1217, 3717-3722.	3.7	52
86	Polarographic determination of vitamin C after derivatization with o-phenylenediamine. Collection of Czechoslovak Chemical Communications, 2010, 75, 731-741.	1.0	11
87	Determination of free and total sulfites in wine using an automatic flow injection analysis system with voltammetric detection. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2010, 27, 175-180.	2.3	47
88	Electrochemical Oxidation of Adenine: A Mixed Adsorption and Diffusion Response on an Edge-Plane Pyrolytic Graphite Electrode. Journal of Physical Chemistry C, 2010, 114, 14213-14219.	3.1	100
89	Development of a membraneless extraction module for the extraction of volatile compounds: Application in the chromatographic analysis of vicinal diketones in beer. Talanta, 2010, 81, 372-376.	5.5	20
90	Controlling voltammetric responses by electrode modification; using adsorbed acetone to switch graphite surfaces between adsorptive and diffusive modes. Chemical Communications, 2010, 46, 9037.	4.1	44

#	Article	IF	Citations
91	Use of a membraneless extraction module for the voltammetric determination of total sulfites in wine. Collection of Czechoslovak Chemical Communications, 2010, 75, 721-730.	1.0	8
92	Supramolecular interactions in dye-sensitised solar cells. Journal of Materials Chemistry, 2009, 19, 5818.	6.7	32
93	Dye-sensitized solar cells: A safe bet for the future.. Energy and Environmental Science, 2008, 1, 655.	30.8	373
94	Corrosion Protection of Steel by Volatile Corrosion Inhibitors: Vapor Analysis by Gas-Diffusion Microextraction and Mass Loss and Electrochemical Impedance in NaCl Deliquescence Tests. Journal of the Brazilian Chemical Society, 0, , .	0.6	1