

LuÃ-s Moreira GonÃ§alves

List of Publications by Year in descending order

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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	Dye-sensitized solar cells: A safe bet for the future.. Energy and Environmental Science, 2008, 1, 655.	30.8	373
2	An Overview on Cardamonin. Journal of Medicinal Food, 2014, 17, 633-640.	1.5	103
3	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
4	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
5	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
6	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
7	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
8	Electrochemical determination of free and total glutathione in human saliva samples. Sensors and Actuators B: Chemical, 2015, 221, 962-968.	7.8	65
9	Î²-Lactamase-based biosensor for the electrochemical determination of benzylpenicillin in milk. Sensors and Actuators B: Chemical, 2015, 210, 254-258.	7.8	54
10	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
11	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
12	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
13	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
14	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
15	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
16	Gasâ€“diffusion microextraction. Journal of Separation Science, 2010, 33, 3207-3212.	2.5	43
17	Penicillinase-based amperometric biosensor for penicillin G. Electrochemistry Communications, 2014, 38, 131-133.	4.7	42
18	Free sulphite determination in wine using screen-printed carbon electrodes with prior gas-diffusion microextraction. Electrochemistry Communications, 2016, 63, 52-55.	4.7	37

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19	Recent Advances in Membrane-Aided Extraction and Separation for Analytical Purposes. Separation and Purification Reviews, 2017, 46, 179-194.	5.5	36
20	Laser-pyrolyzed electrochemical paper-based analytical sensor for sulphite analysis. Electrochemistry Communications, 2019, 107, 106541.	4.7	36
21	Electrochemical sensing of the thyroid hormone thyronamine (TOAM) via molecular imprinted polymers (MIPs). Talanta, 2019, 194, 689-696.	5.5	35
22	4-hydrazinobenzoic acid as a derivatizing agent for aldehyde analysis by HPLC-UV and CE-DAD. Talanta, 2018, 187, 113-119.	5.5	34
23	Supramolecular interactions in dye-sensitised solar cells. Journal of Materials Chemistry, 2009, 19, 5818.	6.7	32
24	Electrochemical sensing using magnetic molecularly imprinted polymer particles previously captured by a magneto-sensor. Talanta, 2018, 181, 19-23.	5.5	32
25	Sensitive label-free electron chemical capacitive signal transduction for D-dimer electroanalysis. Electrochimica Acta, 2015, 182, 946-952.	5.2	30
26	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
27	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
28	Chemical sensing of chalcones by voltammetry: trans-Chalcone, cardamonin and xanthohumol. Electrochimica Acta, 2013, 90, 440-444.	5.2	26
29	Employing molecularly imprinted polymers in the development of electroanalytical methodologies for antibiotic determination. Journal of Molecular Recognition, 2021, 34, e2878.	2.1	26
30	Determination of free and total diacetyl in wine by HPLC-UV using gas-diffusion microextraction and pre-column derivatization. Food Control, 2012, 24, 220-224.	5.5	24
31	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
32	Application of gas-diffusion microextraction to the analysis of free and bound acetaldehyde in wines by HPLC-UV and characterization of the extracted compounds by MS/MS detection. Analytical and Bioanalytical Chemistry, 2012, 403, 1031-1037.	3.7	23
33	Methylone screening with electropolymerized molecularly imprinted polymer on screen-printed electrodes. Sensors and Actuators B: Chemical, 2020, 316, 128133.	7.8	23
34	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
35	Single determination of L-lysine and pyruvic acid in beer by HPLC with UV detection. Analytical Methods, 2011, 3, 1207.	2.7	21
36	Magnetic molecularly imprinted polymers obtained by photopolymerization for selective recognition of penicillin G. Journal of Applied Polymer Science, 2020, 137, 48496.	2.6	21

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37	Development of a membraneless extraction module for the extraction of volatile compounds: Application in the chromatographic analysis of vicinal diketones in beer. <i>Talanta</i> , 2010, 81, 372-376.	5.5	20
38	Application of gas-diffusion microextraction for high-performance liquid chromatographic analysis of aliphatic amines in fermented beverages. <i>Analytical Methods</i> , 2012, 4, 2569.	2.7	20
39	Electrochemical sensing of total sulphites in beer using non-modified screen-printed carbon electrodes. <i>Journal of the Institute of Brewing</i> , 2017, 123, 45-48.	2.3	20
40	Can saliva testing replace blood measurements for health monitoring? Insights from a correlation study of salivary and whole blood glutathione in humans. <i>Analyst, The</i> , 2016, 141, 4707-4712.	3.5	19
41	Stochastic detection and characterisation of individual ferrocene derivative tagged graphene nanoplatelets. <i>Analyst, The</i> , 2016, 141, 2696-2703.	3.5	19
42	Chromatographic analysis of methylglyoxal and other α -dicarbonyls using gas-diffusion microextraction. <i>Analyst, The</i> , 2013, 138, 7233.	3.5	18
43	Insights into electrochemical behavior in laser-scribed electrochemical paper-based analytical devices. <i>Electrochemistry Communications</i> , 2020, 121, 106872.	4.7	18
44	Rational Design of an Ion-Imprinted Polymer for Aqueous Methylmercury Sorption. <i>Nanomaterials</i> , 2020, 10, 2541.	4.1	18
45	Dansyl Chloride as a Derivatizing Agent for the Analysis of Biogenic Amines by CZE-UV. <i>Chromatographia</i> , 2020, 83, 767-778.	1.3	18
46	Combining capillary electromigration with molecular imprinting techniques towards an optimal separation and determination. <i>Talanta</i> , 2021, 221, 121546.	5.5	18
47	Determination of Cephalosporins by UHPLC-DAD Using Molecularly Imprinted Polymers. <i>Journal of Chromatographic Science</i> , 2018, 56, 187-193.	1.4	17
48	Application of gas-diffusion microextraction to solid samples using the chromatographic determination of α -diketones in bread as a case study. <i>Analyst, The</i> , 2015, 140, 3648-3653.	3.5	16
49	Molecular conductance of double-stranded DNA evaluated by electrochemical capacitance spectroscopy. <i>Nanoscale</i> , 2016, 8, 8931-8938.	5.6	16
50	SAM-Based Immunosensor for the Analysis of Thyroxine (T4). <i>Journal of the Electrochemical Society</i> , 2017, 164, B103-B106.	2.9	16
51	Determination of ethyl carbamate in spirits using salting-out assisted liquid-liquid extraction and high performance liquid chromatography with fluorimetric detection. <i>Analytical Methods</i> , 2014, 6, 9136-9141.	2.7	15
52	Derivatizing assay for the determination of aldehydes using micellar electrokinetic chromatography. <i>Electrophoresis</i> , 2017, 38, 1068-1074.	2.4	15
53	Salting-out assisted liquid-liquid extraction with dansyl chloride for the determination of biogenic amines in food. <i>International Journal of Food Science and Technology</i> , 2020, 55, 248-258.	2.7	15
54	Voltammetric determination of trace amounts of diacetyl at a mercury meniscus modified silver solid amalgam electrode following gas-diffusion microextraction. <i>Talanta</i> , 2017, 169, 203-208.	5.5	14

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55	Ferrocene Aryl Derivatives for the Redox Tagging of Graphene Nanoplatelets. <i>Electroanalysis</i> , 2016, 28, 197-202.	2.9	13
56	Biosensing of D-dimer, making the transition from the central hospital laboratory to bedside determination. <i>Talanta</i> , 2020, 207, 120270.	5.5	13
57	Novel Application of Square-Wave Adsorptive-Stripping Voltammetry for the Determination of Xanthohumol in Spent Hops. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 7654-7658.	5.2	12
58	Determination of glyphosate and aminomethylphosphonic acid by capillary electrophoresis with indirect detection using pyridine-2,6-dicarboxylic acid or 3,5-dinitrobenzoic acid. <i>International Journal of Environmental Analytical Chemistry</i> , 2018, 98, 258-270.	3.3	12
59	Cyclohexane-1,3-dione as a derivatizing agent for the analysis of aldehydes by micelar electrokinetic chromatography with diode array detection. <i>Electrophoresis</i> , 2019, 40, 2929-2935.	2.4	12
60	Electroanalytical profiling of cocaine samples by means of an electropolymerized molecularly imprinted polymer using benzocaine as the template molecule. <i>Analyst</i> , 2021, 146, 1747-1759.	3.5	12
61	NS1 glycoprotein detection in serum and urine as an electrochemical screening immunosensor for dengue and Zika virus. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 4873-4885.	3.7	12
62	Probeless and label-free impedimetric biosensing of D-dimer using gold nanoparticles conjugated with dihexadecylphosphate on screen-printed carbon electrodes. <i>Electrochimica Acta</i> , 2021, 397, 139244.	5.2	12
63	Polarographic determination of vitamin C after derivatization with o-phenylenediamine. <i>Collection of Czechoslovak Chemical Communications</i> , 2010, 75, 731-741.	1.0	11
64	The Impact of Xanthohumol on a Brewing Yeast's Viability, Vitality and Metabolite Formation. <i>Journal of the Institute of Brewing</i> , 2011, 117, 368-376.	2.3	11
65	Analysis of Cardamonin by Square Wave Voltammetry. <i>Phytochemical Analysis</i> , 2012, 23, 396-399.	2.4	11
66	An Insight on Salting-Out Assisted Liquid-Liquid Extraction for Phytoanalysis. <i>Phytochemical Analysis</i> , 2017, 28, 297-304.	2.4	10
67	3,4-Methylenedioxypropylvalerone (MDPV) Sensing Based on Electropolymerized Molecularly Imprinted Polymers on Silver Nanoparticles and Carboxylated Multi-Walled Carbon Nanotubes. <i>Nanomaterials</i> , 2021, 11, 353.	4.1	10
68	Laser-pyrolysed paper electrodes for the square-wave anodic stripping voltammetric detection of lead. <i>Medical Devices & Sensors</i> , 2020, 3, e10115.	2.7	9
69	Diarylferrocene tweezers for cation binding. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 23917-23923.	2.8	8
70	Modified screen-printed electrode for the FIA-amperometric determination of 2-nitro-p-phenylenediamine. <i>Microchemical Journal</i> , 2017, 131, 92-97.	4.5	8
71	Use of a membraneless extraction module for the voltammetric determination of total sulfites in wine. <i>Collection of Czechoslovak Chemical Communications</i> , 2010, 75, 721-730.	1.0	8
72	Electrogravimetric Analysis by Quartz-Crystal Microbalance on the Consumption of the Neurotransmitter Acetylcholine by Acetylcholinesterase. <i>Analytical Letters</i> , 2013, 46, 258-265.	1.8	7

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73	Miniaturized voltammetric cell for cathodic voltammetry making use of an agar membrane. <i>Journal of Electroanalytical Chemistry</i> , 2018, 821, 47-52.	3.8	7
74	Modified carbon paste electrode for the electrochemical sensing of 3,5,6-trichloro-2-pyridinol. <i>International Journal of Environmental Analytical Chemistry</i> , 2017, 97, 159-167.	3.3	6
75	A medical algorithm for Cotard delusion based on more than 300 literature cases. <i>International Journal of Psychiatry in Clinical Practice</i> , 2021, 25, 220-232.	2.4	6
76	Derivatization-free determination of aminoglycosides by CZE-UV in pharmaceutical formulations. <i>Electrophoresis</i> , 2020, 41, 1576-1583.	2.4	5
77	Pyranoflavylum Derivatives Extracted from Wine Grape as Photosensitizers in Solar Cells. <i>Journal of the Brazilian Chemical Society</i> , 2014, , .	0.6	5
78	Quartz crystal microbalance as a tool for kinetic enzymatic assays by variation of pH. <i>Analytical Biochemistry</i> , 2011, 418, 152-154.	2.4	4
79	Proof of Concept of the Electrochemical Sensing of 3-iodothyronamine (T ₁ AM) and Thyronamine (T ₀ AM). <i>ChemElectroChem</i> , 2014, 1, 1623-1626.	3.4	4
80	Pitahaya Aging Diagnostic by Impedance/Capacitance Spectroscopy. <i>Food Analytical Methods</i> , 2015, 8, 126-129.	2.6	4
81	Determination of Metribuzin with a Cobalt Phthalocyanine-Modified Carbon Paste Electrode. <i>Analytical Letters</i> , 2018, 51, 1694-1704.	1.8	4
82	Sudden onset of Cotard's syndrome as a clinical sign of brain tumor. <i>Revista De Psiquiatria Clinica</i> , 2016, 43, 35-36.	0.6	4
83	Determination of 5-hydroxymethylfurfural using an electropolymerized molecularly imprinted polymer in combination with Salle. <i>Talanta</i> , 2022, 250, 123723.	5.5	4
84	The Voltammetric Responses of High and Low Molecular Weight DNA on a Variety of Carbon Substrates; Demonstrating the Benefits of Graphitic Surfaces. <i>Electroanalysis</i> , 2011, 23, 583-587.	2.9	3
85	An Optimized Firefly Luciferase Bioluminescent Assay for the Analysis of Free Fatty Acids. <i>Photochemistry and Photobiology</i> , 2015, 91, 980-984.	2.5	3
86	Voltammetric analysis of metallothioneins and copper (II) in fish for water biomonitoring studies. <i>Environmental Chemistry Letters</i> , 2011, 9, 405-410.	16.2	2
87	Voltammetric Analysis of Licochalcone A in Licorice. <i>Journal of the Electrochemical Society</i> , 2013, 160, H671-H673.	2.9	2
88	Corrosion Protection of Steel by Volatile Corrosion Inhibitors: Vapor Analysis by Gas-Diffusion Microextraction and Mass Loss and Electrochemical Impedance in NaCl Deliquescence Tests. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	1
89	EFFECT OF XANTHOMOL ON BREWING YEAST CELLS. <i>Acta Horticulturae</i> , 2013, , 233-238.	0.2	0
90	The impact of xanthohumol on a brewing yeast's viability, vitality and metabolite formation. <i>Journal of the Institute of Brewing</i> , 2016, 122, 363-363.	2.3	0

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91	Electropolymerized Molecularly Imprinted Polymers in Sensing Applications. , 2021, , .		0
92	HO- and OH-, Reason and Tradition. Brazilian Journal of Analytical Chemistry, 2021, 8, 10-12.	0.5	0
93	Special Issue dedicated to the XVIII Meeting of the Portuguese Electrochemical Society “ A glimpse into the electrochemical research in Portugal. Portugaliae Electrochimica Acta, 2013, 31, 289-290.	1.1	0
94	S“ERRA QUEM FAZ, E QUEM FAZ ERRA! UM MANIFESTO PELO C“LCULO DA PROPAGAA“FO DE INCERTEZAS.. Quimica Nova, 2020, , .	0.3	0