

# Josã© Antã³nio Rodrigues

## List of Publications by Year in descending order

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87  
papers

2,105  
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201575

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	A Novel Approach for Monitoring the Volatile Metabolome in Biological Samples from Ruminants through Miniaturized Liquid-Liquid Extraction and Multiclass Gas Chromatography Analysis. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 3886-3897.	2.4	3
2	Fan assisted extraction and HPLC-DAD-MS/MS identification of volatile carbonyl compounds as chemical descriptors of healthy and defective roasted coffee beans. <i>Food Control</i> , 2022, 138, 109014.	2.8	3
3	Profiling the volatile carbonyl compounds of barley and malt samples using a low-pressure assisted extraction system. <i>Food Control</i> , 2021, 121, 107568.	2.8	11
4	Characterization of volatile carbonyl compounds in defective green coffee beans using a fan assisted extraction process. <i>Food Control</i> , 2020, 108, 106879.	2.8	6
5	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.	1.3	15
6	Response of <i>Solanum lycopersicum</i> L. to diclofenac – Impacts on the plant's antioxidant mechanisms. <i>Environmental Pollution</i> , 2020, 258, 113762.	3.7	18
7	Determination of malondialdehyde, acrolein and four other products of lipid peroxidation in edible oils by Gas-Diffusion Microextraction combined with Dispersive Liquid-Liquid Microextraction. <i>Journal of Chromatography A</i> , 2020, 1627, 461397.	1.8	16
8	Development of a SALLE-HPLC-FLD Analytical Method for the Simultaneous Determination of Ten Biogenic Amines in Cheese. <i>Food Analytical Methods</i> , 2020, 13, 1088-1098.	1.3	9
9	A new electroanalytical methodology for the determination of formaldehyde in wood-based products. <i>Talanta</i> , 2020, 217, 121068.	2.9	12
10	Occurrence and exposure of 3-monochloropropanediol diesters in edible oils and oil-based foodstuffs from the Spanish market. <i>Food Chemistry</i> , 2019, 270, 214-222.	4.2	38
11	Analysis of free malondialdehyde in edible oils using gas-diffusion microextraction. <i>Journal of Food Composition and Analysis</i> , 2019, 82, 103254.	1.9	18
12	Unravelling the phytonutrients and antioxidant properties of European <i>Vicia faba</i> L. seeds. <i>Food Research International</i> , 2019, 116, 888-896.	2.9	32
13	Electrochemical sensing of the thyroid hormone thyronamine (TOAM) via molecular imprinted polymers (MIPs). <i>Talanta</i> , 2019, 194, 689-696.	2.9	35
14	Qualitative carbonyl profile in coffee beans through GDME-HPLC-DAD-MS/MS for coffee preliminary characterization. <i>Food Research International</i> , 2018, 107, 536-543.	2.9	11
15	The Analytical Challenge in the Determination of Cathinones, Key-Players in the Worldwide Phenomenon of Novel Psychoactive Substances. <i>Critical Reviews in Analytical Chemistry</i> , 2018, 48, 372-390.	1.8	30
16	Miniaturized voltammetric cell for cathodic voltammetry making use of an agar membrane. <i>Journal of Electroanalytical Chemistry</i> , 2018, 821, 47-52.	1.9	7
17	4-hydrazinobenzoic acid as a derivatizing agent for aldehyde analysis by HPLC-UV and CE-DAD. <i>Talanta</i> , 2018, 187, 113-119.	2.9	34
18	Development of a partitioned liquid-liquid extraction-dispersive solid phase extraction procedure followed by liquid chromatography-tandem mass spectrometry for analysis of 3-monochloropropane-1,2-diol diesters in edible oils. <i>Journal of Chromatography A</i> , 2018, 1548, 19-26.	1.8	18

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19	Profiling of phenolic compounds and antioxidant properties of European varieties and cultivars of <i>Vicia faba</i> L. pods. <i>Phytochemistry</i> , 2018, 152, 223-229.	1.4	53
20	GDME-based methodology for the determination of free formaldehyde in cosmetics and hygiene products containing formaldehyde releasers. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 6873-6880.	1.9	13
21	Low pressure ion pair chromatography with amperometric detection for the determination of trigonelline in coffee samples. <i>Food Research International</i> , 2018, 114, 223-229.	2.9	9
22	Determination of Carbonyl Compounds in Cork Agglomerates by GDME-HPLC-UV: Identification of the Extracted Compounds by HPLC-MS/MS. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 1037-1042.	2.4	17
23	SAM-Based Immunosensor for the Analysis of Thyroxine (T <sub>4</sub> ). <i>Journal of the Electrochemical Society</i> , 2017, 164, B103-B106.	1.3	16
24	An Insight on Salting-out Assisted Liquid-Liquid Extraction for Phytoanalysis. <i>Phytochemical Analysis</i> , 2017, 28, 297-304.	1.2	10
25	Determination of ammonia nitrogen in solid and liquid high-complex matrices using one-step gas-diffusion microextraction and fluorimetric detection. <i>Talanta</i> , 2017, 167, 747-753.	2.9	22
26	Gas-diffusion microextraction coupled with spectrophotometry for the determination of formaldehyde in cork agglomerates. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 2885-2892.	1.9	14
27	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.	2.9	14
28	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.	0.8	20
29	Recent Advances in Membrane-Aided Extraction and Separation for Analytical Purposes. <i>Separation and Purification Reviews</i> , 2017, 46, 179-194.	2.8	36
30	Isolation of Cells Specialized in Anticancer Alkaloid Metabolism by Fluorescence-Activated Cell Sorting. <i>Plant Physiology</i> , 2016, 171, 2371-2378.	2.3	17
31	Free sulphite determination in wine using screen-printed carbon electrodes with prior gas-diffusion microextraction. <i>Electrochemistry Communications</i> , 2016, 63, 52-55.	2.3	37
32	Application of gas-diffusion microextraction to solid samples using the chromatographic determination of 1,2-diketones in bread as a case study. <i>Analyst</i> , 2015, 140, 3648-3653.	1.7	16
33	Recent advances in salt-assisted LLE for analyzing biological samples. <i>Bioanalysis</i> , 2015, 7, 2187-2193.	0.6	23
34	Proof of Concept of the Electrochemical Sensing of 3-Iodothyronamine (T <sub>1</sub> AM) and Thyronamine (T <sub>0</sub> AM). <i>ChemElectroChem</i> , 2014, 1, 1623-1626.	1.7	4
35	Analysis of biogenic amines in wines by salting-out assisted liquid-liquid extraction and high-performance liquid chromatography with fluorimetric detection. <i>Talanta</i> , 2014, 124, 146-151.	2.9	69
36	An Overview on Cardamonin. <i>Journal of Medicinal Food</i> , 2014, 17, 633-640.	0.8	103

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37	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.	1.3	15
38	Pyranoflavylum Derivatives Extracted from Wine Grape as Photosensitizers in Solar Cells. <i>Journal of the Brazilian Chemical Society</i> , 2014, , .	0.6	5
39	Another glimpse over the salting-out assisted liquid-liquid extraction in acetonitrile/water mixtures. <i>Journal of Chromatography A</i> , 2013, 1308, 58-62.	1.8	96
40	Voltammetric Analysis of Licochalcone A in Licorice. <i>Journal of the Electrochemical Society</i> , 2013, 160, H671-H673.	1.3	2
41	New application of the QuEChERS methodology for the determination of volatile phenols in beverages by liquid chromatography. <i>Journal of Chromatography A</i> , 2013, 1271, 27-32.	1.8	25
42	Molinate quantification in environmental water by a glutathione-S-transferase based biosensor. <i>Talanta</i> , 2013, 106, 249-254.	2.9	29
43	Chemical sensing of chalcones by voltammetry: trans-Chalcone, cardamonin and xanthohumol. <i>Electrochimica Acta</i> , 2013, 90, 440-444.	2.6	26
44	Xanthohumol Modulates Inflammation, Oxidative Stress, and Angiogenesis in Type 1 Diabetic Rat Skin Wound Healing. <i>Journal of Natural Products</i> , 2013, 76, 2047-2053.	1.5	65
45	Chromatographic analysis of methylglyoxal and other $\alpha$ -dicarbonyls using gas-diffusion microextraction. <i>Analyst</i> , The, 2013, 138, 7233.	1.7	18
46	Special Issue dedicated to the XVIII Meeting of the Portuguese Electrochemical Society – A glimpse into the electrochemical research in Portugal. <i>Portugaliae Electrochimica Acta</i> , 2013, 31, 289-290.	0.4	0
47	Application of gas-diffusion microextraction for high-performance liquid chromatographic analysis of aliphatic amines in fermented beverages. <i>Analytical Methods</i> , 2012, 4, 2569.	1.3	20
48	Determination of free and total diacetyl in wine by HPLC-UV using gas-diffusion microextraction and pre-column derivatization. <i>Food Control</i> , 2012, 24, 220-224.	2.8	24
49	Analysis of Cardamonin by Square Wave Voltammetry. <i>Phytochemical Analysis</i> , 2012, 23, 396-399.	1.2	11
50	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. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 1031-1037.	1.9	23
51	Single determination of $\alpha$ -ketoglutaric acid and pyruvic acid in beer by HPLC with UV detection. <i>Analytical Methods</i> , 2011, 3, 1207.	1.3	21
52	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.	2.4	12
53	Probing beer aging chemistry by nuclear magnetic resonance and multivariate analysis. <i>Analytica Chimica Acta</i> , 2011, 702, 178-187.	2.6	45
54	Differential responses of the antioxidant defence system and ultrastructure in a salt-adapted potato cell line. <i>Plant Physiology and Biochemistry</i> , 2011, 49, 1410-1419.	2.8	47

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55	Voltammetric analysis of metallothioneins and copper (II) in fish for water biomonitoring studies. <i>Environmental Chemistry Letters</i> , 2011, 9, 405-410.	8.3	2
56	Increased sensitivity of anodic stripping voltammetry at the hanging mercury drop electrode by ultracathodic deposition. <i>Analytica Chimica Acta</i> , 2011, 701, 152-156.	2.6	49
57	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. <i>Biosensors and Bioelectronics</i> , 2011, 26, 4198-4203.	5.3	23
58	Gas-diffusion microextraction. <i>Journal of Separation Science</i> , 2010, 33, 3207-3212.	1.3	43
59	Analysis of aldehydes in beer by gas-diffusion microextraction: Characterization by high-performance liquid chromatography-diode-array detection-atmospheric pressure chemical ionization-mass spectrometry. <i>Journal of Chromatography A</i> , 2010, 1217, 3717-3722.	1.8	52
60	ANTIOXIDANT PROPERTIES AND FRUIT QUALITY DURING LONG-TERM STORAGE OF ROCHA-PEAR: EFFECTS OF MATURITY AND STORAGE CONDITIONS. <i>Journal of Food Quality</i> , 2010, 33, 1-20.	1.4	45
61	Polarographic determination of vitamin C after derivatization with o-phenylenediamine. <i>Collection of Czechoslovak Chemical Communications</i> , 2010, 75, 731-741.	1.0	11
62	Determination of free and total sulfites in wine using an automatic flow injection analysis system with voltammetric detection. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2010, 27, 175-180.	1.1	47
63	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.	2.9	20
64	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
65	Square-Wave Adsorptive-Stripping Voltammetric Detection in the Quality Control of Fluoxetine. <i>Analytical Letters</i> , 2007, 40, 1131-1146.	1.0	25
66	The impact of sulphur dioxide and oxygen on the behaviour of 2-furaldehyde in beer: an industrial approach. <i>International Journal of Food Science and Technology</i> , 2006, 41, 545-552.	1.3	9
67	Determination of Î <sup>2</sup> -damascenone in alcoholic beverages by reversed-phase liquid chromatography with ultraviolet detection. <i>Food Chemistry</i> , 2006, 99, 51-56.	4.2	12
68	Electroanalytical determination of paroxetine in pharmaceuticals. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006, 42, 341-346.	1.4	35
69	Electroanalytical study of the antidepressant sertraline. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 39, 290-293.	1.4	33
70	Electroanalytical study of fluvoxamine. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 382, 1662-1668.	1.9	21
71	Simultaneous determination of E-2-nonenal and Î <sup>2</sup> -damascenone in beer by reversed-phase liquid chromatography with UV detection. <i>Journal of Chromatography A</i> , 2004, 1032, 17-22.	1.8	29
72	The impact of the physiological condition of the pitching yeast on beer flavour stability: an industrial approach. <i>Food Chemistry</i> , 2004, 87, 187-193.	4.2	55

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73	Voltammetric Determination of Free and Total Sulfur Dioxide in Beer. <i>Electroanalysis</i> , 2003, 15, 587-590.	1.5	17
74	Determination of E-2-nonenal by high-performance liquid chromatography with UV detection. <i>Journal of Chromatography A</i> , 2003, 985, 395-402.	1.8	29
75	Voltammetric Assay for the Aging of Beer. <i>Journal of Agricultural and Food Chemistry</i> , 2003, 51, 3911-3915.	2.4	25
76	Automatic Flow System with Voltammetric Detection for Diacetyl Monitoring during Brewing Process. <i>Journal of Agricultural and Food Chemistry</i> , 2002, 50, 3647-3653.	2.4	22
77	Flow injection square wave cathodic stripping voltammetric determination at a hanging mercury drop electrode of rapidly reduced compounds. <i>Analytica Chimica Acta</i> , 2001, 449, 119-127.	2.6	16
78	Aspects of Cathodic Stripping Voltammetry at the Hanging Mercury Drop Electrode and in Non-Mercury Disposable Sensors. <i>Electroanalysis</i> , 2000, 12, 1227-1232.	1.5	7
79	Voltammetric studies of anthraquinone dyes adsorbed at a hanging mercury drop electrode using fast pulse techniques. <i>Analytica Chimica Acta</i> , 1999, 385, 287-293.	2.6	12
80	Voltammetry of compounds confined at the hanging mercury drop electrode surface. <i>Analytica Chimica Acta</i> , 1999, 385, 315-323.	2.6	20
81	DETERMINATION OF GLYOXAL, METHYLGLYOXAL, AND DIACETYL IN SELECTED BEER AND WINE, BY HPLC WITH UV SPECTROPHOTOMETRIC DETECTION, AFTER DERIVATIZATION WITH o-PHENYLENEDIAMINE. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1999, 22, 2061-2069.	0.5	71
82	Differential Pulse Polarographic Determination of $\alpha$ -Dicarbonyl Compounds in Foodstuffs after Derivatization with o-Phenylenediamine. <i>Journal of Agricultural and Food Chemistry</i> , 1999, 47, 3219-3222.	2.4	32
83	Determination of aniline by adsorptive stripping voltammetry using an improved diazotization and coupling procedure application to the evaluation of the light degradation of D&C red no. 33 in the presence of ascorbic acid. <i>Talanta</i> , 1995, 42, 915-920.	2.9	7
84	Development of a method for oxalate determination by differential-pulse polarography after derivatization with o-phenylenediamine. <i>Analytica Chimica Acta</i> , 1993, 273, 531-537.	2.6	18
85	Determination of sulphanic acid in the presence of tartrazine by differential-pulse polarography after conversion into an azo compound. <i>Analytica Chimica Acta</i> , 1993, 273, 539-543.	2.6	1
86	Differential-pulse adsorptive stripping voltammetric determination of sodium cromoglycate at a hanging mercury drop electrode. <i>Analyst</i> , 1992, 117, 989.	1.7	14
87	Polarographic identification and determination of synthetic coloring matter in corks. <i>Electroanalysis</i> , 1991, 3, 243-245.	1.5	2