

Jose Gonzalez-Rodriguez

List of Publications by Year in descending order

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60
papers

978
citations

430874

18
h-index

501196

28
g-index

60
all docs

60
docs citations

60
times ranked

1320
citing authors

#	ARTICLE	IF	CITATIONS
1	Tracking the origin of fuel oil and petrol in explosive mixtures of ANFO. <i>Annals of Medicine</i> , 2024, 51, 30-30.	3.8	0
2	The Production and Evaluation of an Electrochemical Sensors for Strychnine and Its Main Metabolite Strychnine N-Oxide for Their Use in Biological Samples. <i>Molecules</i> , 2022, 27, 1826.	3.8	1
3	A Molecular Imprinted Polymer Sensor for Biomonitoring of Fenamiphos Pesticide Metabolite Fenamiphos Sulfoxide. <i>Electroanalysis</i> , 2021, 33, 1129-1136.	2.9	11
4	Computational Design of a Molecularly Imprinted Polymer for the Biomonitoring of the Organophosphorous Metabolite Chlorferron. <i>Biosensors</i> , 2021, 11, 192.	4.7	5
5	Evaluating residual compressive strength of post-fire concrete using Raman Spectroscopy. <i>Forensic Science International</i> , 2021, 325, 110874.	2.2	4
6	Application of LC-MS/MS for the validation and determination of organic explosive residues on IonScan® swabs. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2021, 61, 697-703.	2.1	3
7	Effective replacement of cetyltrimethylammonium bromide (CTAB) by mercaptoalkanoic acids on gold nanorod (AuNR) surfaces in aqueous solutions. <i>Nanoscale</i> , 2020, 12, 658-668.	5.6	39
8	Analysis of omeprazole and esomeprazole obtained from traditional pharmacies and unlicensed internet websites using Raman spectroscopy, ¹ H-NMR and chemometric analysis. <i>Vibrational Spectroscopy</i> , 2020, 106, 102996.	2.2	5
9	A study on the electrooxidation of vitamin B6 compounds on glassy carbon and polycrystalline gold electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2020, 877, 114525.	3.8	3
10	Three-dimensional voltammetry: Use of chronoamperometric E-t-i data to achieve second-order advantage. <i>Analytica Chimica Acta</i> , 2020, 1132, 36-46.	5.4	6
11	Computationally Designed Perrhenate Ion Imprinted Polymers for Selective Trapping of Rhenium Ions. <i>ACS Applied Polymer Materials</i> , 2020, 2, 3135-3147.	4.4	12
12	Challenges in the identification of new thermolabile psychoactive substances: The 25I-NBOH case. <i>Forensic Science International</i> , 2020, 312, 110306.	2.2	2
13	A study of in vitro metabolism and cytotoxicity of mephedrone and methoxetamine in human and pig liver models using GC/MS and LC/MS analyses. <i>Open Chemistry</i> , 2020, 18, 1507-1522.	1.9	3
14	Highly sensitive H ₂ O ₂ sensor based on poly(azulene A)-platinum nanoparticles deposited on activated screen printed carbon electrodes. <i>Sensors and Actuators B: Chemical</i> , 2019, 298, 126878.	7.8	40
15	The Use Of Chemical Composition And Additives To Classify Petrol And Diesel Using Gas Chromatography-Mass Spectrometry And Chemometric Analysis: A Uk Study. <i>Open Chemistry</i> , 2019, 17, 183-197.	1.9	14
16	Classification of ANFO samples based on their fuel composition by GC-MS and FTIR combined with chemometrics. <i>Forensic Science International</i> , 2019, 301, 415-425.	2.2	17
17	The use of Raman spectroscopy to monitor phase changes in concrete following high temperature exposure. <i>Construction and Building Materials</i> , 2019, 204, 450-457.	7.2	27
18	Electroanalytical identification of 25I-NBOH and 2C-I via differential pulse voltammetry: a rapid and sensitive screening method to avoid misidentification. <i>Analyst</i> , 2019, 144, 2965-2972.	3.5	23

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19	Leaching kinetics, separation, and recovery of rhenium and component metals from CMSX-4 superalloys using hydrometallurgical processes. Separation and Purification Technology, 2019, 212, 150-160.	7.9	41
20	Electrochemical determination of the organophosphate compound Fenamiphos and its main metabolite, Fenamiphos sulfoxide. Monatshefte für Chemie, 2019, 150, 411-417.	1.8	4
21	Electrochemical determination of disulfoton using a molecularly imprinted poly-phenol polymer. Electrochimica Acta, 2019, 295, 333-339.	5.2	18
22	Electrochemical determination of 2-isopropoxyphenol in glassy carbon and molecularly imprinted poly-pyrrole electrodes. Journal of Electroanalytical Chemistry, 2018, 821, 16-21.	3.8	17
23	Exploring the relation between composition of extracts of healthy foods and their antioxidant capacities determined by electrochemical and spectrophotometrical methods. LWT - Food Science and Technology, 2018, 95, 157-166.	5.2	12
24	Evolution of Pt and Ag nanoparticles composites with polyphenazines onto ITO electrodes during the oxidation of H ₂ O ₂ with ascorbic acid. Electrochimica Acta, 2018, 271, 203-210.	5.2	3
25	Simultaneous determination of V, Ni and Fe in fuel fly ash using solid sampling high resolution continuum source graphite furnace atomic absorption spectrometry. Talanta, 2018, 179, 1-8.	5.5	15
26	Electrocatalytic performance enhanced of the electrooxidation of gamma-hydroxybutyric acid (GHB) and ethanol on platinum nanoparticles surface. A contribution to the analytical determination of GHB in the presence of ethanol. Sensors and Actuators B: Chemical, 2018, 256, 553-563.	7.8	8
27	Production and Analysis of Recycled Ammonium Perrhenate from CMSX-4 superalloys. Open Chemistry, 2018, 16, 1298-1306.	1.9	9
28	Rapid Screening Method for New Psychoactive Substances of Forensic Interest: Electrochemistry and Analytical Determination of Phenethylamines Derivatives (NBOMe) via Cyclic and Differential Pulse Voltammetry. Analytical Chemistry, 2017, 89, 1445-1452.	6.5	32
29	Comparison of the volatile antioxidant contents in the aqueous and methanolic extracts of a set of commercial spices and condiments. European Food Research and Technology, 2017, 243, 1439-1445.	3.3	9
30	An investigation of Digoxin by Cyclic Voltammetry using Gold and Silver Solid Electrodes and Chemometric Analysis. International Journal of Electrochemical Science, 2017, , 3050-3062.	1.3	3
31	Temperature Effect on the Electrooxidation of Gamma Hydroxybutyric Acid (GHB) on Platinum Catalyst through Cyclic Voltammetry, Chronoamperometry, Impedance Spectroscopy and SERS Spectroelectrochemistry. International Journal of Electrochemical Science, 2016, , 10473-10487.	1.3	2
32	Comparative study of γ -hydroxybutyric acid (GHB) and other derivative compounds by spectroelectrochemistry raman (SERS) on platinum surface. Electrochimica Acta, 2016, 193, 154-159.	5.2	7
33	Study of the electro-oxidation of a recreational drug GHB (gamma hydroxybutyric acid) on a platinum catalyst-type electrode through chronoamperometry and spectro-electrochemistry. Journal of Electroanalytical Chemistry, 2016, 766, 141-146.	3.8	9
34	Application of chemometric analysis to infrared spectroscopy for the identification of wood origin. Cellulose, 2016, 23, 901-913.	4.9	11
35	Optimisation and production of a molecular-imprinted-polymer for the electrochemical determination of triacetone triperoxide (TATP). Proceedings of SPIE, 2014, , .	0.8	1
36	Development of a Molecularly Imprinted Polymer-Based Sensor for the Electrochemical Determination of Triacetone Triperoxide (TATP). Sensors, 2014, 14, 23269-23282.	3.8	44

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37	A specific case in the classification of woods by FTIR and chemometric: discrimination of Fagales from Malpighiales. <i>Cellulose</i> , 2014, 21, 261-273.	4.9	33
38	Electrochemical behaviour of gamma hydroxybutyric acid at a platinum electrode in acidic medium. <i>Electrochimica Acta</i> , 2013, 111, 601-607.	5.2	10
39	A study on the discrimination of human skeletons using X-ray fluorescence and chemometric tools in chemical anthropology. <i>Forensic Science International</i> , 2013, 231, 407.e1-407.e6.	2.2	31
40	Analysis and design of a multisensory array for explosive substances based on solid electrodes. <i>Proceedings of SPIE</i> , 2012, , .	0.8	2
41	Analysis of amino acids in latent fingerprint residue by capillary electrophoresis-mass spectrometry. <i>Journal of Separation Science</i> , 2012, 35, 2994-2999.	2.5	38
42	Determination of Arsenic, Mercury and Barium in Herbarium Mount Paper Using Dynamic Ultrasound-Assisted Extraction Prior to Atomic Fluorescence and Absorption Spectrometry. <i>Analytical Letters</i> , 2011, 44, 1842-1852.	1.8	7
43	Chemometric Study on the Forensic Discrimination of Soil Types Using Their Infrared Spectral Characteristics. <i>Applied Spectroscopy</i> , 2011, 65, 1151-1161.	2.2	19
44	A comparative study of the electrochemical properties of vitamin B-6 related compounds at physiological pH. <i>Russian Journal of Electrochemistry</i> , 2011, 47, 835-845.	0.9	8
45	Fire debris analysis by Raman spectroscopy and chemometrics. <i>Journal of Analytical and Applied Pyrolysis</i> , 2011, 91, 210-218.	5.5	31
46	Electrochemical Behaviour of Carbamazepine in Acetonitrile and Dimethylformamide Using Glassy Carbon Electrodes and Microelectrodes. <i>Electroanalysis</i> , 2010, 22, 2961-2966.	2.9	24
47	Recent trends and developments in pyrolysis-gas chromatography. <i>Journal of Chromatography A</i> , 2008, 1186, 51-66.	3.7	139
48	Analytical Methods in Wineries: Is It Time to Change?. <i>Food Reviews International</i> , 2005, 21, 231-265.	8.4	29
49	Use of superheated liquids for the extraction of non-volatile compounds from wood: liquid chromatography studies. <i>Journal of Chromatography A</i> , 2004, 1038, 3-9.	3.7	12
50	Extraction of wood compounds by use of subcritical fluids. <i>Chromatographia</i> , 2003, 57, 363-368.	1.3	13
51	Superheated liquids for extraction of solid residues from winemaking processes. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 377, 1190-1195.	3.7	6
52	Determination of ethanol in beverages by flow injection, pervaporation and density measurements. <i>Talanta</i> , 2003, 59, 691-696.	5.5	31
53	Flow injection determination of readily assimilable nitrogen compounds during vinification. <i>Analyst</i> , The, 2002, 127, 420.	3.5	4
54	Method for the simultaneous determination of total polyphenol and anthocyan indexes in red wines using a flow injection approach. <i>Talanta</i> , 2002, 56, 53-59.	5.5	25

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55	Flow injection determination of total catechins and procyanidins in white and red wines. Innovative Food Science and Emerging Technologies, 2002, 3, 289-293.	5.6	10
56	Sequential spectrophotometric determination of methanol and iron in vinegar by a flow injection-pervaporation method. Analytical and Bioanalytical Chemistry, 2002, 374, 120-125.	3.7	8
57	Method for monitoring urea and ammonia in wine and must by flow injectionâ€“pervaporation. Analytica Chimica Acta, 2002, 471, 105-111.	5.4	21
58	Method for the simultaneous determination of total polyphenol and anthocyan indexes in red wines using a flow injection approach. Talanta, 2002, 56, 53-9.	5.5	4
59	Two-parameter determination in vinegar by a flow injectionâ€“pervaporation system. Analyst, The, 2001, 126, 1177-1181.	3.5	6
60	Semiautomatic Flow-Injection Method for Determination of Volatile Acidity in Wines. Journal of AOAC INTERNATIONAL, 2001, 84, 1846-1850.	1.5	7