

Jose Gonzalez-Rodriguez

List of Publications by Year in descending order

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60
papers

978
citations

489802

18
h-index

563245

28
g-index

60
all docs

60
docs citations

60
times ranked

1425
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. | 1.5 | 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. | 1.7 | 1 |
| 3 | A Molecular Imprinted Polymer Sensor for Biomonitoring of Fenamiphos Pesticide Metabolite Fenamiphos Sulfoxide. <i>Electroanalysis</i> , 2021, 33, 1129-1136. | 1.5 | 11 |
| 4 | Computational Design of a Molecularly Imprinted Polymer for the Biomonitoring of the Organophosphorous Metabolite Chlorferron. <i>Biosensors</i> , 2021, 11, 192. | 2.3 | 5 |
| 5 | Evaluating residual compressive strength of post-fire concrete using Raman Spectroscopy. <i>Forensic Science International</i> , 2021, 325, 110874. | 1.3 | 4 |
| 6 | Application of LC ⁻ QTOF/MS for the validation and determination of organic explosive residues on lonscan [®] swabs. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2021, 61, 697-703. | 1.3 | 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. | 2.8 | 39 |
| 8 | Analysis of omeprazole and esomeprazole obtained from traditional pharmacies and unlicensed internet websites using Raman spectroscopy, 1H-NMR and chemometric analysis. <i>Vibrational Spectroscopy</i> , 2020, 106, 102996. | 1.2 | 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. | 1.9 | 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. | 2.6 | 6 |
| 11 | Computationally Designed Perrhenate Ion Imprinted Polymers for Selective Trapping of Rhenium Ions. <i>ACS Applied Polymer Materials</i> , 2020, 2, 3135-3147. | 2.0 | 12 |
| 12 | Challenges in the identification of new thermolabile psychoactive substances: The 25I-NBOH case. <i>Forensic Science International</i> , 2020, 312, 110306. | 1.3 | 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. | 1.0 | 3 |
| 14 | Highly sensitive H ₂ O ₂ sensor based on poly(azure A)-platinum nanoparticles deposited on activated screen printed carbon electrodes. <i>Sensors and Actuators B: Chemical</i> , 2019, 298, 126878. | 4.0 | 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. | 1.0 | 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. | 1.3 | 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. | 3.2 | 27 |
| 18 | Electroanalytical identification of 25I-NBOH and 2C-I <i>via</i> differential pulse voltammetry: a rapid and sensitive screening method to avoid misidentification. <i>Analyst, The</i> , 2019, 144, 2965-2972. | 1.7 | 23 |

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|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Leaching kinetics, separation, and recovery of rhenium and component metals from CMSX-4 superalloys using hydrometallurgical processes. <i>Separation and Purification Technology</i> , 2019, 212, 150-160. | 3.9 | 41 |
| 20 | Electrochemical determination of the organophosphate compound Fenamiphos and its main metabolite, Fenamiphos sulfoxide. <i>Monatshefte für Chemie</i> , 2019, 150, 411-417. | 0.9 | 4 |
| 21 | Electrochemical determination of disulfoton using a molecularly imprinted poly-phenol polymer. <i>Electrochimica Acta</i> , 2019, 295, 333-339. | 2.6 | 18 |
| 22 | Electrochemical determination of 2-isopropoxyphenol in glassy carbon and molecularly imprinted poly-pyrrole electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2018, 821, 16-21. | 1.9 | 17 |
| 23 | Exploring the relation between composition of extracts of healthy foods and their antioxidant capacities determined by electrochemical and spectrophotometrical methods. <i>LWT - Food Science and Technology</i> , 2018, 95, 157-166. | 2.5 | 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. <i>Electrochimica Acta</i> , 2018, 271, 203-210. | 2.6 | 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. <i>Talanta</i> , 2018, 179, 1-8. | 2.9 | 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. <i>Sensors and Actuators B: Chemical</i> , 2018, 256, 553-563. | 4.0 | 8 |
| 27 | Production and Analysis of Recycled Ammonium Perrhenate from CMSX-4 superalloys. <i>Open Chemistry</i> , 2018, 16, 1298-1306. | 1.0 | 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. <i>Analytical Chemistry</i> , 2017, 89, 1445-1452. | 3.2 | 32 |
| 29 | Comparison of the volatile antioxidant contents in the aqueous and methanolic extracts of a set of commercial spices and condiments. <i>European Food Research and Technology</i> , 2017, 243, 1439-1445. | 1.6 | 9 |
| 30 | An investigation of Digoxin by Cyclic Voltammetry using Gold and Silver Solid Electrodes and Chemometric Analysis. <i>International Journal of Electrochemical Science</i> , 2017, , 3050-3062. | 0.5 | 3 |
| 31 | Temperature Effect on the Electrooxidation of Gamma Hydroxybutyric Acid (GHB) on Platinum Catalyst through Cyclic Voltammetry, Chronoamperometry, Impedance Spectroscopy and SERS Spectroelectrochemistry. <i>International Journal of Electrochemical Science</i> , 2016, , 10473-10487. | 0.5 | 2 |
| 32 | Comparative study of β -hydroxybutyric acid (GHB) and other derivative compounds by spectroelectrochemistry raman (SERS) on platinum surface. <i>Electrochimica Acta</i> , 2016, 193, 154-159. | 2.6 | 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. <i>Journal of Electroanalytical Chemistry</i> , 2016, 766, 141-146. | 1.9 | 9 |
| 34 | Application of chemometric analysis to infrared spectroscopy for the identification of wood origin. <i>Cellulose</i> , 2016, 23, 901-913. | 2.4 | 11 |
| 35 | Optimisation and production of a molecular-imprinted-polymer for the electrochemical determination of triacetone triperoxide (TATP). <i>Proceedings of SPIE</i> , 2014, , . | 0.8 | 1 |
| 36 | Development of a Molecularly Imprinted Polymer-Based Sensor for the Electrochemical Determination of Triacetone Triperoxide (TATP). <i>Sensors</i> , 2014, 14, 23269-23282. | 2.1 | 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. | 2.4 | 33 |
| 38 | Electrochemical behaviour of gamma hydroxybutyric acid at a platinum electrode in acidic medium. <i>Electrochimica Acta</i> , 2013, 111, 601-607. | 2.6 | 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. | 1.3 | 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. | 1.3 | 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. | 1.0 | 7 |
| 43 | Chemometric Study on the Forensic Discrimination of Soil Types Using Their Infrared Spectral Characteristics. <i>Applied Spectroscopy</i> , 2011, 65, 1151-1161. | 1.2 | 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. | 0.3 | 8 |
| 45 | Fire debris analysis by Raman spectroscopy and chemometrics. <i>Journal of Analytical and Applied Pyrolysis</i> , 2011, 91, 210-218. | 2.6 | 31 |
| 46 | Electrochemical Behaviour of Carbamazepine in Acetonitrile and Dimethylformamide Using Glassy Carbon Electrodes and Microelectrodes. <i>Electroanalysis</i> , 2010, 22, 2961-2966. | 1.5 | 24 |
| 47 | Recent trends and developments in pyrolysis-gas chromatography. <i>Journal of Chromatography A</i> , 2008, 1186, 51-66. | 1.8 | 139 |
| 48 | Analytical Methods in Wineries: Is It Time to Change?. <i>Food Reviews International</i> , 2005, 21, 231-265. | 4.3 | 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. | 1.8 | 12 |
| 50 | Extraction of wood compounds by use of subcritical fluids. <i>Chromatographia</i> , 2003, 57, 363-368. | 0.7 | 13 |
| 51 | Superheated liquids for extraction of solid residues from winemaking processes. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 377, 1190-1195. | 1.9 | 6 |
| 52 | Determination of ethanol in beverages by flow injection, pervaporation and density measurements. <i>Talanta</i> , 2003, 59, 691-696. | 2.9 | 31 |
| 53 | Flow injection determination of readily assimilable nitrogen compounds during vinification. <i>Analyst</i> , 2002, 127, 420. | 1.7 | 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. | 2.9 | 25 |

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| 55 | Flow injection determination of total catechins and procyanidins in white and red wines. <i>Innovative Food Science and Emerging Technologies</i> , 2002, 3, 289-293. | 2.7 | 10 |
| 56 | Sequential spectrophotometric determination of methanol and iron in vinegar by a flow injection-pervaporation method. <i>Analytical and Bioanalytical Chemistry</i> , 2002, 374, 120-125. | 1.9 | 8 |
| 57 | Method for monitoring urea and ammonia in wine and must by flow injection-pervaporation. <i>Analytica Chimica Acta</i> , 2002, 471, 105-111. | 2.6 | 21 |
| 58 | Method for the simultaneous determination of total polyphenol and anthocyan indexes in red wines using a flow injection approach. <i>Talanta</i> , 2002, 56, 53-9. | 2.9 | 4 |
| 59 | Two-parameter determination in vinegar by a flow injection-pervaporation system. <i>Analyst, The</i> , 2001, 126, 1177-1181. | 1.7 | 6 |
| 60 | Semiautomatic Flow-Injection Method for Determination of Volatile Acidity in Wines. <i>Journal of AOAC INTERNATIONAL</i> , 2001, 84, 1846-1850. | 0.7 | 7 |