

Luiz Frederico Rodrigues

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

486
citations

623734

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32
all docs

32
docs citations

32
times ranked

592
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Gas hydrate dissociation linked to contemporary ocean warming in the southern hemisphere. <i>Nature Communications</i> , 2020, 11, 3788. | 12.8 | 53 |
| 2 | Natural gas hydrates in the Rio Grande Cone (Brazil): A new province in the western South Atlantic. <i>Marine and Petroleum Geology</i> , 2015, 67, 187-196. | 3.3 | 45 |
| 3 | Discovery of a chemosynthesis-based community in the western South Atlantic Ocean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2016, 112, 45-56. | 1.4 | 34 |
| 4 | Advances in the graphitization protocol at the Radiocarbon Laboratory of the Universidade Federal Fluminense (LAC-UFF) in Brazil. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015, 361, 402-405. | 1.4 | 27 |
| 5 | Influence of hydraulic loading rate and recirculation on oxygen transfer in a vertical flow constructed wetland. <i>Science of the Total Environment</i> , 2019, 668, 988-995. | 8.0 | 25 |
| 6 | Determination of cadmium, copper and lead in alumina based catalysts by direct solid sampling graphite furnace atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2007, 62, 933-938. | 2.9 | 24 |
| 7 | Determination of metal impurities in carbon nanotubes by direct solid sampling electrothermal atomic absorption spectrometry. <i>Journal of the Brazilian Chemical Society</i> , 2011, 22, 1040-1049. | 0.6 | 23 |
| 8 | Environmental monitoring of water resources around a municipal landfill of the Rio Grande do Sul state, Brazil. <i>Environmental Science and Pollution Research</i> , 2017, 24, 21398-21411. | 5.3 | 21 |
| 9 | Environmental monitoring of a landfill area through the application of carbon stable isotopes, chemical parameters and multivariate analysis. <i>Waste Management</i> , 2018, 76, 591-605. | 7.4 | 21 |
| 10 | Chromium determination in pharmaceutical grade barium sulfate by solid sampling electrothermal atomic absorption spectrometry with Zeeman-effect background correction. <i>Talanta</i> , 2007, 74, 119-124. | 5.5 | 19 |
| 11 | Gas seeps and gas hydrates in the Amazon deep-sea fan. <i>Geo-Marine Letters</i> , 2018, 38, 429-438. | 1.1 | 18 |
| 12 | Discriminant analysis of biodiesel fuel blends based on combined data from Fourier Transform Infrared Spectroscopy and stable carbon isotope analysis. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2017, 161, 70-78. | 3.5 | 17 |
| 13 | Determination of trace impurities in aluminum nitride by direct solid sampling graphite furnace atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2011, 66, 637-643. | 2.9 | 16 |
| 14 | Determination of trace elements in raw material for polyurethane production using direct sampling graphite furnace atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 324-331. | 3.0 | 15 |
| 15 | Discriminant Analysis and Cluster Analysis of Biodiesel Fuel Blends Based on Fourier Transform Infrared Spectroscopy (FTIR). <i>Energy & Fuels</i> , 2016, 30, 4905-4915. | 5.1 | 15 |
| 16 | Gas Seeps at the Edge of the Gas Hydrate Stability Zone on Brazil's Continental Margin. <i>Geosciences (Switzerland)</i> , 2019, 9, 193. | 2.2 | 13 |
| 17 | Classification of Fuel Blends Using Exploratory Analysis with Combined Data from Infrared Spectroscopy and Stable Isotope Analysis. <i>Energy & Fuels</i> , 2017, 31, 523-532. | 5.1 | 12 |
| 18 | The influence of methane fluxes on the sulfate/methane interface in sediments from the Rio Grande Cone Gas Hydrate Province, southern Brazil. <i>Brazilian Journal of Geology</i> , 2017, 47, 369-381. | 0.7 | 11 |

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|----|--|-----|-----------|
| 19 | Solid sampling coupled to flame furnace atomic absorption spectrometry for Mn and Ni determination in petroleum coke. <i>Microchemical Journal</i> , 2010, 96, 64-70. | 4.5 | 10 |
| 20 | Geochemical Characterization of Irati And Palermo Formations (Paraná Basin-Southern Brazil) for Shale Oil/Gas Exploration. <i>Energy Technology</i> , 2015, 3, 481-487. | 3.8 | 9 |
| 21 | <i>Trichomonas vaginalis</i> NTPDase and ecto-5'-nucleotidase hydrolyze guanine nucleotides and increase extracellular guanosine levels under serum restriction. <i>Molecular and Biochemical Parasitology</i> , 2016, 207, 10-18. | 1.1 | 9 |
| 22 | A preliminary study on traceability of biodiesel mixtures based on the raw materials profiles from Brazilian regions and fourier transform infrared spectroscopy (FTIR). <i>Vibrational Spectroscopy</i> , 2018, 99, 113-123. | 2.2 | 8 |
| 23 | Exploratory analysis of the microbial community profile of the municipal solid waste leachate treatment system: A case study. <i>Waste Management</i> , 2022, 141, 125-135. | 7.4 | 8 |
| 24 | High-Pressure and Automatized System for Study of Natural Gas Hydrates. <i>Energies</i> , 2019, 12, 3064. | 3.1 | 6 |
| 25 | Molecular and Isotopic Composition of Hydrate-Bound, Dissolved and Free Gases in the Amazon Deep-Sea Fan and Slope Sediments, Brazil. <i>Geosciences (Switzerland)</i> , 2019, 9, 73. | 2.2 | 6 |
| 26 | Feasibility of DS-GF AAS for the determination of metallic impurities in raw material for polymers production. <i>Talanta</i> , 2020, 218, 121129. | 5.5 | 6 |
| 27 | Origin and Alteration of Organic Matter in Hydrate-Bearing Sediments of the Rio Grande Cone, Brazil: Evidence from Biological, Physical, and Chemical Factors. <i>Radiocarbon</i> , 2020, 62, 197-206. | 1.8 | 3 |
| 28 | Comparative assessment between different sample preparation methodologies for PTGA CO ₂ adsorption assays: Pellet, powder, and fragment samples. <i>Adsorption Science and Technology</i> , 2018, 36, 1441-1455. | 3.2 | 2 |
| 29 | Evaluation of different samplers and storage temperature effect on the methane carbon stable isotope analysis. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 573. | 2.7 | 1 |
| 30 | Integration Results of Soil CO ₂ Flux and Subsurface Gases in the Ressacada Pilot site, Southern Brazil. <i>Energy Procedia</i> , 2017, 114, 3793-3804. | 1.8 | 0 |
| 31 | Isotopic Analysis of Sugarcane/Petroleum Polyethylene Blends: A Perspective on the Application of Stable Isotope Method (¹³ C). <i>Journal of the Brazilian Chemical Society</i> , 0, , . | 0.6 | 0 |