

Rafael Garrett da Costa

List of Publications by Year in descending order

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39
papers

710
citations

623734

14
h-index

552781

26
g-index

41
all docs

41
docs citations

41
times ranked

990
citing authors

#	ARTICLE	IF	CITATIONS
1	Ircinia strobilina crude extract as corrosion inhibitor for mild steel in acid medium. <i>Electrochimica Acta</i> , 2019, 312, 137-148.	5.2	120
2	Arabica and Robusta Coffees: Identification of Major Polar Compounds and Quantification of Blends by Direct-Infusion Electrospray Ionization-Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 4253-4258.	5.2	80
3	Antibacterial profile against drug-resistant <i>Staphylococcus epidermidis</i> clinical strain and structure-activity relationship studies of 1H-pyrazolo[3,4-b]pyridine and thieno[2,3-b]pyridine derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 8196-8204.	3.0	57
4	Coffee origin discrimination by paper spray mass spectrometry and direct coffee spray analysis. <i>Analytical Methods</i> , 2013, 5, 5944.	2.7	45
5	Discrimination of arabica coffee cultivars by electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry and chemometrics. <i>LWT - Food Science and Technology</i> , 2013, 50, 496-502.	5.2	42
6	3-Acyltetramic acids as a novel class of inhibitors for human kallikreins 5 and 7. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 1094-1098.	2.2	36
7	Comprehensive Metabolome Analysis of Fermented Aqueous Extracts of <i>Viscum album</i> L. by Liquid Chromatography-High Resolution Tandem Mass Spectrometry. <i>Molecules</i> , 2020, 25, 4006.	3.8	29
8	Revealing the spatial distribution of chlorogenic acids and sucrose across coffee bean endosperm by desorption electrospray ionization-mass spectrometry imaging. <i>LWT - Food Science and Technology</i> , 2016, 65, 711-717.	5.2	27
9	Production of bioactive films of carboxymethyl cellulose enriched with green coffee oil and its residues. <i>International Journal of Biological Macromolecules</i> , 2020, 146, 730-738.	7.5	27
10	Antihyperthermic activity of a flavonoid fraction from <i>Ocotea notata</i> leaves. <i>Revista Brasileira De Farmacognosia</i> , 2012, 22, 306-313.	1.4	24
11	Phytochemical analysis and in vitro anti-proliferative activity of <i>Viscum album</i> ethanolic extracts. <i>BMC Complementary Medicine and Therapies</i> , 2020, 20, 215.	2.7	23
12	Metabolomics by UHPLC-Q-TOF Reveals Host Tree-Dependent Phytochemical Variation in <i>Viscum album</i> L. <i>Plants</i> , 2021, 10, 1726.	3.5	20
13	Unveiling the Chemical Composition of Sugar Cane Biocrudes by Liquid Chromatography-Tandem Mass Spectrometry. <i>Energy & Fuels</i> , 2015, 29, 8082-8087.	5.1	16
14	Comprehensive lipid analysis of green Arabica coffee beans by LC-HRMS/MS. <i>Food Research International</i> , 2020, 137, 109727.	6.2	16
15	<i>Libidibia ferrea</i> (jucã), a Traditional Anti-Inflammatory: A Study of Acute Toxicity in Adult and Embryos Zebrafish (<i>Danio rerio</i>). <i>Pharmaceuticals</i> , 2019, 12, 175.	3.8	14
16	Pomegranate (<i>Punica granatum</i>) peel fractions obtained by supercritical CO ₂ increase oxidative and colour stability of bluefish (<i>Pomatomus saltatrix</i>) patties treated by UV-C irradiation. <i>Food Chemistry</i> , 2021, 362, 130159.	8.2	14
17	Protective Effect of the Plant Extracts of <i>Erythroxylum</i> sp. against Toxic Effects Induced by the Venom of <i>Lachesis muta</i> Snake. <i>Molecules</i> , 2016, 21, 1350.	3.8	11
18	Direct-infusion electrospray ionization-mass spectrometry analysis reveals atractyligenin derivatives as potential markers for green coffee postharvest discrimination. <i>LWT - Food Science and Technology</i> , 2019, 103, 205-211.	5.2	11

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19	Catalytic sugarcane bagasse transformation into a suitable biocrude for hydrocarbon production in typical refinery processes. <i>Sustainable Energy and Fuels</i> , 2020, 4, 4158-4169.	4.9	11
20	Comparisons of ambient spray ionization imaging methods. <i>International Journal of Mass Spectrometry</i> , 2015, 377, 736-743.	1.5	10
21	Extending compound identification for molecular network using the LipidXplorer database independent method: A proof of concept using glycoalkaloids from <i>Solanum pseudoquina</i> A. St. Hil.. <i>Phytochemical Analysis</i> , 2019, 30, 132-138.	2.4	10
22	Ziziphus joazeiro Stem Bark Extract as a Green Corrosion Inhibitor for Mild Steel in Acid Medium. <i>Processes</i> , 2021, 9, 1323.	2.8	10
23	Lipid characterization of arabica and robusta coffee beans by liquid chromatography-ion mobility-mass spectrometry. <i>Journal of Food Composition and Analysis</i> , 2022, 111, 104587.	3.9	9
24	Vanilla flavor: Species from the Atlantic forest as natural alternatives. <i>Food Chemistry</i> , 2022, 375, 131891.	8.2	8
25	The plant <i>Stryphnodendron adstringens</i> (Mart.) Coville as a neutralizing source against some toxic activities of <i>Bothrops jararacussu</i> snake venom. <i>Toxicon</i> , 2020, 186, 182-190.	1.6	6
26	Chemical Composition and Toxicity of <i>Ocotea notata</i> (Nees) Mez Essential Oil. <i>Journal of Essential Oil-bearing Plants: JEOP</i> , 2010, 13, 455-459.	1.9	5
27	Use of <i>Kappaphycus alvarezii</i> Biomass for the Production of Carbohydrate Isopropylidene-Ketal-Based Biocrude. <i>Energy & Fuels</i> , 2017, 31, 9422-9428.	5.1	5
28	Chemical profiling of herbarium samples of solanum (Solanaceae) using mass spectrometry. <i>Phytochemistry Letters</i> , 2020, 36, 99-105.	1.2	5
29	Combining high-speed countercurrent chromatography three-phase solvent system with electrospray ionization-mass spectrometry and nuclear magnetic resonance to profile the unconventional food plant <i>Syzygium malaccense</i> . <i>Journal of Chromatography A</i> , 2022, 1677, 463211.	3.7	5
30	Chemical Composition of Essential Oils from Two Fern Species of <i>Anemia</i> . <i>American Fern Journal</i> , 2013, 103, 215-224.	0.3	4
31	Ambient Mass Spectrometry Employed for Direct Analysis of Intact Arabica Coffee Beans. <i>Journal of the Brazilian Chemical Society</i> , 2014, , .	0.6	4
32	Metabolic profiling as a tool for differentiating <i>Viscum album</i> ssp. <i>album</i> plants growing on various host trees. <i>Phytomedicine</i> , 2019, 61, 1-2.	5.3	3
33	A Systematic Pipeline to Enhance the Fecal Metabolome Coverage by LC-HRMS. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	1
34	Chemical profile of <i>Stachytarpheta schottiana</i> by LC-HRMS/MS dereplication and molecular networking. <i>Rodriguesia</i> , 0, 72, , .	0.9	1
35	Neotropical mustelids: fecal metabolome diversity and its potential for taxonomic discrimination. <i>Integrative Zoology</i> , 2022, , .	2.6	1
36	DEVELOPMENT AND APPLICATION OF A TEST MIXTURE FOR UNTARGETED LIQUID CHROMATOGRAPHY-MASS SPECTROMETRY ANALYSIS OF URINE SAMPLES. <i>Quimica Nova</i> , 0, , .	0.3	0

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37	Charakterisierung der Lipide in grünen Arabica und Robusta Kaffeebohnen mittels LC-MS/MS. Lebensmittelchemie, 2021, 75, S053.	0.0	0
38	Died Dudley Williams: One of the pioneers in the application of mass spectrometry and NMR to organic compounds. Revista Virtual De Quimica, 2011, 3, .	0.4	0
39	GUIA PARA PROCESSAMENTO DE DADOS DE CROMATOGRAFIA ACOPLADA A ESPECTROMETRIA DE MASSAS. Quimica Nova, 0, , .	0.3	0