

Boniek G. Vaz

List of Publications by Year in descending order

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197
papers

4,295
citations

87723

38
h-index

168136

53
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199
all docs

199
docs citations

199
times ranked

5166
citing authors

#	ARTICLE	IF	CITATIONS
1	Production and structural characterization of surfactin (C14/Leu7) produced by <i>Bacillus subtilis</i> isolate LSFM-05 grown on raw glycerol from the biodiesel industry. <i>Process Biochemistry</i> , 2011, 46, 1951-1957.	1.8	152
2	Monitoring the liquid/liquid extraction of naphthenic acids in Brazilian crude oil using electrospray ionization FT-ICR mass spectrometry (ESI FT-ICR MS). <i>Fuel</i> , 2013, 108, 647-655.	3.4	107
3	Dualistic Nature of the Mechanism of the Morita-Baylis-Hillman Reaction Probed by Electrospray Ionization Mass Spectrometry. <i>Journal of Organic Chemistry</i> , 2009, 74, 3031-3037.	1.7	99
4	Petroleomics by ESI(±) FT-ICR MS. <i>Analytical Chemistry</i> , 2010, 82, 3990-3996.	3.2	97
5	C-H Functionalization of 1,4-Naphthoquinone by Oxidative Coupling with Anilines in the Presence of a Catalytic Quantity of Copper(II) Acetate. <i>Journal of Organic Chemistry</i> , 2011, 76, 5264-5273.	1.7	89
6	Instantaneous chemical profiles of banknotes by ambient mass spectrometry. <i>Analyst</i> , 2010, 135, 2533.	1.7	84
7	An evaluation of the aromaticity of asphaltenes using atmospheric pressure photoionization Fourier transform ion cyclotron resonance mass spectrometry (APPI(±)FT-ICR MS). <i>Fuel</i> , 2014, 118, 348-357.	3.4	82
8	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.	2.4	80
9	FT-ICR MS analysis of asphaltenes: Asphaltenes go in, fullerenes come out. <i>Fuel</i> , 2014, 131, 49-58.	3.4	75
10	Characterization of polar compounds in a true boiling point distillation system using electrospray ionization FT-ICR mass spectrometry. <i>Fuel</i> , 2014, 115, 190-202.	3.4	74
11	Molecularly imprinted polymer (MIP) membrane assisted direct spray ionization mass spectrometry for agrochemicals screening in foodstuffs. <i>Talanta</i> , 2018, 178, 507-514.	2.9	67
12	Characterization of Bio-oils from Different Pyrolysis Process Steps and Biomass Using High-Resolution Mass Spectrometry. <i>Energy & Fuels</i> , 2013, 27, 6646-6654.	2.5	66
13	Structural and proactive safety aspects of oxidation debris from multiwalled carbon nanotubes. <i>Journal of Hazardous Materials</i> , 2011, 189, 391-396.	6.5	57
14	Whisky analysis by electrospray ionization-Fourier transform mass spectrometry. <i>Food Research International</i> , 2013, 51, 98-106.	2.9	57
15	A new insert sample approach to paper spray mass spectrometry: a paper substrate with paraffin barriers. <i>Analyst</i> , 2016, 141, 1707-1713.	1.7	57
16	Assessing Biodegradation in the Llanos Orientales Crude Oils by Electrospray Ionization Ultrahigh Resolution and Accuracy Fourier Transform Mass Spectrometry and Chemometric Analysis. <i>Energy & Fuels</i> , 2013, 27, 1277-1284.	2.5	56
17	Predictive Petroleomics: Measurement of the Total Acid Number by Electrospray Fourier Transform Mass Spectrometry and Chemometric Analysis. <i>Energy & Fuels</i> , 2013, 27, 1873-1880.	2.5	56
18	Paper spray ionization and portable mass spectrometers: a review. <i>Analytical Methods</i> , 2019, 11, 999-1013.	1.3	53

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19	Paper Spray Tandem Mass Spectrometry Based on Molecularly Imprinted Polymer Substrate for Cocaine Analysis in Oral Fluid. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 566-572.	1.2	52
20	Antioxidant potential and vasodilatory activity of fermented beverages of jabuticaba berry (<i>Myrciaria</i>). <i>Trends in Food Science and Technology</i> , 2018, 80, 1-10.	1.8	50
21	Synthesis and leishmanicidal activity of eugenol derivatives bearing 1,2,3-triazole functionalities. <i>European Journal of Medicinal Chemistry</i> , 2018, 146, 274-286.	2.6	49
22	Palladium-Catalyzed Tandem Heck-Lactonization fromo-Iodophenols and Enoates: Synthesis of Coumarins and the Study of the Mechanism by Electrospray Ionization Mass Spectrometry. <i>Journal of Organic Chemistry</i> , 2010, 75, 7085-7091.	1.7	48
23	Mechanisms involved in the gastroprotective activity of <i>Celtis iguanaea</i> (Jacq.) Sargent on gastric lesions in mice. <i>Journal of Ethnopharmacology</i> , 2014, 155, 1616-1624.	2.0	47
24	Molecularly imprinted polymer-coated paper as a substrate for highly sensitive analysis using paper spray mass spectrometry: quantification of metabolites in urine. <i>Analytical Methods</i> , 2017, 9, 6117-6123.	1.3	47
25	Phosphorylimidazole Derivatives: Potentially Biosignaling Molecules. <i>Journal of Organic Chemistry</i> , 2011, 76, 8003-8008.	1.7	46
26	Analyzes of hydrocarbons by atmosphere pressure chemical ionization FT-ICR mass spectrometry using isooctane as ionizing reagent. <i>Fuel</i> , 2015, 153, 346-354.	3.4	46
27	Uncovering the Formation of Color Gradients for Glucose Colorimetric Assays on Microfluidic Paper-Based Analytical Devices by Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2018, 90, 11949-11954.	3.2	46
28	Intramolecular Catalysis of Phosphodiester Hydrolysis by Two Imidazoles. <i>Journal of the American Chemical Society</i> , 2010, 132, 8513-8523.	6.6	45
29	Varietal discrimination of Chilean wines by direct injection mass spectrometry analysis combined with multivariate statistics. <i>Food Chemistry</i> , 2012, 131, 692-697.	4.2	45
30	On the mechanism of the aza-Morita-Baylis-Hillman reaction: ESI-MS interception of a unique new intermediate. <i>Chemical Communications</i> , 2011, 47, 6593.	2.2	43
31	Antioxidant and vasodilatory activity of commercial beers. <i>Journal of Functional Foods</i> , 2017, 34, 130-138.	1.6	43
32	Modified activated carbon as a promising adsorbent for quinoline removal. <i>Microporous and Mesoporous Materials</i> , 2019, 277, 208-216.	2.2	43
33	Gasoline, Kerosene, and Diesel Fingerprinting via Polar Markers. <i>Energy & Fuels</i> , 2012, 26, 3542-3547.	2.5	42
34	Characterisation and selection of demulsifiers for water-in-crude oil emulsions using low-field ¹ H NMR and ESI-FT-ICR MS. <i>Fuel</i> , 2015, 140, 762-769.	3.4	41
35	Evidencing the crude oil corrosion by Raman spectroscopy, atomic force microscopy and electrospray ionization FT-ICR mass spectrometry. <i>Fuel</i> , 2015, 139, 328-336.	3.4	41
36	3D printing of microfluidic devices for paper-assisted direct spray ionization mass spectrometry. <i>Analytical Methods</i> , 2016, 8, 496-503.	1.3	41

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37	Paper spray ionization mass spectrometry applied to forensic chemistry – drugs of abuse, inks and questioned documents. <i>Analytical Methods</i> , 2017, 9, 4400-4409.	1.3	41
38	Characterization of Naphthenic Acids in Thermally Degraded Petroleum by ESI(̂)-FT-ICR MS and ¹ H NMR after Solid-Phase Extraction and Liquid/Liquid Extraction. <i>Energy & Fuels</i> , 2018, 32, 2878-2888.	2.5	40
39	Purification and structural characterization of fengycin homologues produced by <i>Bacillus subtilis</i> LSFM-05 grown on raw glycerol. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2011, 38, 863-871.	1.4	39
40	Qualitative analysis of designer drugs by paper spray ionisation mass spectrometry (PSI-MS). <i>Analytical Methods</i> , 2016, 8, 614-620.	1.3	38
41	Rapid monitoring of pesticides in tomatoes (<i>Solanum lycopersicum</i> L.) during pre-harvest intervals by paper spray ionization mass spectrometry. <i>Food Chemistry</i> , 2020, 310, 125938.	4.2	38
42	Catalytic decarboxylation of naphthenic acids in crude oils. <i>Fuel</i> , 2015, 158, 113-121.	3.4	37
43	Fractionation of Asphaltene by Adsorption onto Silica and Chemical Characterization by Atmospheric Pressure Photoionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry, Fourier Transform Infrared Spectroscopy Coupled to Attenuated Total Reflectance, and Proton Nuclear Magnetic Resonance. <i>Energy & Fuels</i> , 2016, 30, 5439-5448.	2.5	37
44	Chemometric Techniques Applied for Classification and Quantification of Binary Biodiesel/Diesel Blends. <i>Analytical Letters</i> , 2012, 45, 2398-2411.	1.0	36
45	The exposure to water with cigarette residue changes the anti-predator response in female Swiss albino mice. <i>Environmental Science and Pollution Research</i> , 2018, 25, 8592-8607.	2.7	36
46	Monitoring the degradation and the corrosion of naphthenic acids by electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry and atomic force microscopy. <i>Fuel</i> , 2014, 126, 85-95.	3.4	35
47	Thin layer chromatography coupled to paper spray ionization mass spectrometry for cocaine and its adulterants analysis. <i>Forensic Science International</i> , 2016, 262, 56-65.	1.3	34
48	Efficient Phosphodiester Hydrolysis by Luminescent Terbium(III) and Europium(III) Complexes. <i>Inorganic Chemistry</i> , 2010, 49, 6013-6025.	1.9	33
49	Evaluating the selectivity of colorimetric test (Fast Blue BB salt) for the cannabinoids identification in marijuana street samples by UV-Vis, TLC, ESI(+)FT-ICR MS and ESI(+)MS/MS. <i>Forensic Chemistry</i> , 2016, 1, 13-21.	1.7	33
50	Fractionation of asphaltenes in n-hexane and on adsorption onto CaCO ₃ and characterization by ESI(+)FT-ICR MS: Part I. <i>Fuel</i> , 2017, 210, 790-802.	3.4	33
51	Activated carbons for chalcone production: Claisen-Schmidt condensation reaction. <i>Chemical Engineering Journal</i> , 2016, 303, 604-610.	6.6	32
52	Comprehensive Chemical Composition of Gas Oil Cuts Using Two-Dimensional Gas Chromatography with Time-of-Flight Mass Spectrometry and Electrospray Ionization Coupled to Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Energy & Fuels</i> , 2012, 26, 5069-5079.	2.5	31
53	Revealing the chemical characterization of asphaltenes fractions produced by N-methylpyrrolidone using FTIR, molecular fluorescence, ¹ H NMR, and ESI(̂)FT-ICR MS. <i>Fuel</i> , 2017, 210, 514-526.	3.4	31
54	Laser desorption ionization FT-ICR mass spectrometry and CARSPLS for predicting basic nitrogen and aromatics contents in crude oils. <i>Fuel</i> , 2015, 160, 274-281.	3.4	30

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55	Chemical characterization and pharmacological assessment of polysaccharide free, standardized cashew gum extract (<i>Anacardium occidentale</i> L.). <i>Journal of Ethnopharmacology</i> , 2018, 213, 395-402.	2.0	29
56	Rapid screening of agrochemicals by paper spray ionization and leaf spray mass spectrometry: which technique is more appropriate?. <i>Analytical Methods</i> , 2016, 8, 6023-6029.	1.3	28
57	Extraction and fractionation of basic nitrogen compounds in vacuum residue by solid-phase extraction and characterization by ultra-high resolution mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2017, 418, 67-72.	0.7	27
58	A survey of adulterants used to cut cocaine in samples seized in the Espírito Santo State by GC-MS allied to chemometric tools. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2016, 56, 73-79.	1.3	26
59	Application of Atmospheric Solids Analysis Probe Mass Spectrometry (ASAP-MS) in Petroleomics: Analysis of Condensed Aromatics Standards, Crude Oil, and Paraffinic Fraction. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 2401-2407.	1.2	26
60	Validation of model of multivariate calibration: an application to the determination of biodiesel blend levels in diesel by near-infrared spectroscopy. <i>Journal of Chemometrics</i> , 2012, 26, 456-461.	0.7	25
61	Petroleomics by Direct Analysis in Real Time-Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 182-185.	1.2	25
62	Facile room temperature synthesis of large graphene sheets from simple molecules. <i>Chemical Science</i> , 2018, 9, 7297-7303.	3.7	25
63	Characterization of organosulfur compounds in asphalt cement samples by ESI(+)-FT-ICR MS and ¹³ C NMR spectroscopy. <i>Fuel</i> , 2019, 256, 115923.	3.4	25
64	Miniaturized sample preparation techniques and ambient mass spectrometry as approaches for food residue analysis. <i>Journal of Chromatography A</i> , 2021, 1640, 461949.	1.8	24
65	Screening species of <i>Pilocarpus</i> (Rutaceae) as sources of pilocarpine and other imidazole alkaloids. <i>Genetic Resources and Crop Evolution</i> , 2011, 58, 471-480.	0.8	23
66	The C57BL/6J mice offspring originated from a parental generation exposed to tannery effluents shows object recognition deficits. <i>Chemosphere</i> , 2016, 164, 593-602.	4.2	23
67	Synthesis and antimetastatic activity evaluation of cinnamic acid derivatives containing 1,2,3-triazolic portions. <i>Toxicology in Vitro</i> , 2018, 53, 1-9.	1.1	23
68	<sc>LSD</sc> and 9,10-dihydro<sc>LSD</sc> Analyses in Street Drug Blotter Samples via Easy Ambient Sonic Spray Ionization Mass Spectrometry (<sc>EASI</sc>-MS). <i>Journal of Forensic Sciences</i> , 2012, 57, 1307-1312.	0.9	22
69	Analyzing Brazilian Vehicle Documents for Authenticity by Easy Ambient Sonic Spray Ionization Mass Spectrometry*. <i>Journal of Forensic Sciences</i> , 2012, 57, 539-543.	0.9	22
70	Isomeric separation of cannabinoids by UPLC combined with ionic mobility mass spectrometry (TWIM-MS) – Part I. <i>International Journal of Mass Spectrometry</i> , 2017, 418, 112-121.	0.7	22
71	Zirconium catalyzed synthesis of 2-arylidene Indan-1,3-diones and evaluation of their inhibitory activity against NS2B-NS3 WNV protease. <i>European Journal of Medicinal Chemistry</i> , 2018, 149, 98-109.	2.6	22
72	Synthesis of β,β' -unsaturated aryl esters via Heck reaction of unsymmetrical aryl tellurides. <i>Tetrahedron Letters</i> , 2009, 50, 5589-5595.	0.7	21

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73	Matrix-Assisted Laser Desorption Ionization Imaging and Laser Ablation Sampling for Analysis of Fungicide Distribution in Apples. <i>Analytical Chemistry</i> , 2019, 91, 6051-6056.	3.2	21
74	Palladium-catalyzed oxyarylation of olefins using silver carbonate as the base. Probing the mechanism by electrospray ionization mass spectrometry. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 2062-2067.	0.8	20
75	Eugenia calycina Cambess extracts and their fractions: Their antimicrobial activity and the identification of major polar compounds using electrospray ionization FT-ICR mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 99, 89-96.	1.4	20
76	Efficient electrochemical remediation of microcystin-LR in tap water using designer TiO ₂ @carbon electrodes. <i>Scientific Reports</i> , 2017, 7, 41326.	1.6	20
77	Mechanisms involved in the antinociceptive and anti-inflammatory effects of a new triazole derivative: 5-[1-(4-fluorophenyl)-1H-1,2,3-triazol-4-yl]-1H-tetrazole (LQFM-096). <i>Inflammopharmacology</i> , 2020, 28, 877-892.	1.9	20
78	Fast Screening and Secure Confirmation of Milk Powder Adulteration with Maltodextrin via Electrospray Ionization ⁺ Mass Spectrometry [ESI(+) ⁺ MS] and Selective Enzymatic Hydrolysis. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 9407-9412.	2.4	19
79	Precision in Petroleomics via Ultrahigh Resolution Electrospray Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Energy & Fuels</i> , 2013, 27, 7208-7216.	2.5	19
80	Paper Spray Ionization Mass Spectrometry as a Potential Tool for Early Diagnosis of Cervical Cancer. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 1665-1672.	1.2	19
81	Waxy Crude Oil Emulsion Gel: Chemical Characterization of Emulsified Phase Extract Components. <i>Energy & Fuels</i> , 2014, 28, 7352-7358.	2.5	18
82	Quantification of cocaine and its adulterants (lidocaine and levamisole) using the Dragendorff reagent allied to paper spray ionization mass spectrometry. <i>Analytical Methods</i> , 2017, 9, 3662-3668.	1.3	18
83	Antinociceptive, anti-inflammatory and anxiolytic-like effects of the ethanolic extract, fractions and Hibalactone isolated from <i>Hydrocotyle umbellata</i> L. (<i>Acari</i> Soba) \in Araliaceae. <i>Biomedicine and Pharmacotherapy</i> , 2017, 95, 837-846.	2.5	18
84	Radical Scavenger Capacity of Jabuticaba Fruit (<i>Myrciaria cauliflora</i>) and Its Biological Effects in Hypertensive Rats. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-10.	1.9	18
85	Phytochemistry and antimicrobial activity of <i>Campomanesia adamantium</i> . <i>Revista Brasileira De Farmacognosia</i> , 2018, 28, 303-311.	0.6	18
86	Tert-butyl 4-((1-phenyl-1H-pyrazol-4-yl) methyl) piperazine-1-carboxylate (LQFM104) \in New piperazine derivative with antianxiety and antidepressant-like effects: Putative role of serotonergic system. <i>Biomedicine and Pharmacotherapy</i> , 2018, 103, 546-552.	2.5	18
87	Study of ciprofloxacin degradation by zero-valent copper nanoparticles. <i>Chemical Papers</i> , 2019, 73, 249-260.	1.0	18
88	Lipid dynamics in LPS-induced neuroinflammation by DESI-MS imaging. <i>Brain, Behavior, and Immunity</i> , 2019, 79, 186-194.	2.0	18
89	Laser ablation electrospray ionization mass spectrometry imaging as a new tool for accessing patulin diffusion in mold-infected fruits. <i>Food Chemistry</i> , 2022, 373, 131490.	4.2	18
90	Synthesis, characterization and introduction of a new ion-coordinating ruthenium sensitizer dye in quasi-solid state TiO ₂ solar cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 222, 185-191.	2.0	17

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91	3D printed microfluidic mixer for real-time monitoring of organic reactions by direct infusion mass spectrometry. <i>Analytica Chimica Acta</i> , 2022, 1190, 339252.	2.6	17
92	DBU as a catalyst for the synthesis of amides via aminolysis of methyl esters. <i>Journal of the Brazilian Chemical Society</i> , 2011, 22, 2186-2190.	0.6	16
93	A novel chalcone derivative, LQFM064, induces breast cancer cells death via p53, p21, KIT and PDGFRA. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 107, 1-15.	1.9	16
94	New pyrazole derivative 5-(4-fluorophenyl)-1H-pyrazol-4-yl)-1H-tetrazole: synthesis and assessment of some biological activities. <i>Chemical Biology and Drug Design</i> , 2017, 89, 124-135.	1.5	16
95	Anti-inflammatory effect of a new piperazine derivative: (4-methylpiperazin-1-yl)(1-phenyl-1H-pyrazol-4-yl)methanone. <i>Inflammopharmacology</i> , 2018, 26, 217-226.	1.9	16
96	Evaluation of Adsorbent Materials for the Removal of Nitrogen Compounds in Vacuum Gas Oil by Positive and Negative Electrospray Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Energy & Fuels</i> , 2017, 31, 3454-3464.	2.5	15
97	Phytochemical profile of genotypes of <i>Euterpe edulis</i> Martius "Juçara" palm fruits. <i>Food Research International</i> , 2019, 116, 985-993.	2.9	15
98	Chemical characterization of synthetic cannabinoids by electrospray ionization FT-ICR mass spectrometry. <i>Forensic Science International</i> , 2016, 266, 474-487.	1.3	14
99	Design, synthesis and pharmacological evaluation of new anti-inflammatory compounds. <i>European Journal of Pharmacology</i> , 2016, 791, 195-204.	1.7	14
100	Comprehensive composition and comparison of acidic nitrogen- and oxygen-containing compounds from pre- and post-salt Brazilian crude oil samples by ESI (-) FT-ICR MS. <i>Fuel</i> , 2022, 326, 125129.	3.4	13
101	Real-time monitoring of the progress of polymerization reactions directly on surfaces at open atmosphere by ambient mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 3441-3446.	0.7	12
102	Pharmacological and toxicological evaluations of the new pyrazole compound (LQFM-021) as potential analgesic and anti-inflammatory agents. <i>Inflammopharmacology</i> , 2016, 24, 265-275.	1.9	12
103	The novel piperazine-containing compound LQFM018: Necroptosis cell death mechanisms, dopamine D4 receptor binding and toxicological assessment. <i>Biomedicine and Pharmacotherapy</i> , 2018, 102, 481-493.	2.5	12
104	Molecularly Imprinted Polymer-Coated Probe Electrospray Ionization Mass Spectrometry Determines Phorbol Esters and Deoxyphorbol Metabolites in <i>Jatropha curcas</i> Leaves. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 2051-2059.	1.2	12
105	Fractionation of polar compounds from crude oils by hetero-medium pressure liquid chromatography (H-MPLC) and molecular characterization by ultrahigh-resolution mass spectrometry. <i>Fuel</i> , 2020, 267, 117289.	3.4	12
106	Shvo's catalyst in chemoenzymatic dynamic kinetic resolution of amines "inner or outer sphere mechanism?". <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 6695.	1.5	11
107	Biocontrol potential of <i>Waitea circinata</i> , an orchid mycorrhizal fungus, against the rice blast fungus. <i>Tropical Plant Pathology</i> , 2015, 40, 151-159.	0.8	11
108	Evaluating the effect of ion source gas (N ₂ , He, and synthetic air) on the ionization of hydrocarbon, condensed aromatic standards, and paraffin fractions by APCI(+)-FT-ICR MS. <i>Fuel</i> , 2018, 225, 632-645.	3.4	11

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109	Analysis of Isomeric Cannabinoid Standards and Cannabis Products by UPLC-ESI-TWIM-MS: a Comparison with GC-MS and GC-MS-QMS. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	11
110	Molecular docking and pharmacological/toxicological assessment of a new compound designed from celecoxib and paracetamol by molecular hybridization. <i>Inflammopharmacology</i> , 2018, 26, 1189-1206.	1.9	11
111	Electrochemical remediation of amoxicillin: detoxification and reduction of antimicrobial activity. <i>Chemico-Biological Interactions</i> , 2018, 291, 162-170.	1.7	11
112	Lab-made solid phase microextraction phases for off line extraction and direct mass spectrometry analysis: Evaluating the extraction parameters. <i>Journal of Chromatography A</i> , 2019, 1603, 23-32.	1.8	11
113	Short-term social memory deficits in adult female mice exposed to tannery effluent and possible mechanism of action. <i>Chemosphere</i> , 2017, 184, 148-158.	4.2	11
114	Naphthenic Acids: Formation, Role in Emulsion Stability, and Recent Advances in Mass Spectrometry-Based Analytical Methods. <i>Journal of Analytical Methods in Chemistry</i> , 2021, 2021, 1-15.	0.7	11
115	Anxiolytic-like effect of 2-(4-((1-phenyl-1H-pyrazol-4-yl)methyl)piperazin-1-yl)ethanol is mediated through the benzodiazepine and nicotinic pathways. <i>Chemical Biology and Drug Design</i> , 2017, 90, 432-442.	1.5	10
116	Mass spectrometry and multivariate analysis to classify cervical intraepithelial neoplasia from blood plasma: an untargeted lipidomic study. <i>Scientific Reports</i> , 2018, 8, 3954.	1.6	10
117	Cerebral Lipid Dynamics in Chronic Cerebral Hypoperfusion Model by DESI-MS Imaging. <i>Neuroscience</i> , 2020, 426, 1-12.	1.1	10
118	Isolation and characterization of sulfur-containing compounds by positive-ion electrospray ionization and online HPLC/Atmospheric pressure chemical ionization coupled to Orbitrap mass spectrometry. <i>Fuel</i> , 2021, 289, 119783.	3.4	10
119	Microwave-assisted synthesis and antimicrobial activity of novel spiro 1,3,4-thiadiazolines from isatin derivatives. <i>Journal of Heterocyclic Chemistry</i> , 2021, 58, 766-776.	1.4	10
120	Fumonisin B1 analysis in maize by Molecularly Imprinted Polymer Paper Spray Ionization Mass Spectrometry (MIP-PSI-MS). <i>Journal of Food Composition and Analysis</i> , 2022, 107, 104362.	1.9	10
121	Pharmacological evaluation and molecular docking of new di-tert-butylphenol compound, LQFM-091, a new dual 5-LOX/COX inhibitor. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 106, 231-243.	1.9	9
122	A new piperazine derivative: 1-(4-(3,5-di-tert-butyl-4-hydroxybenzyl) piperazin-1-yl)-2-methoxyethan-1-one with antioxidant and central activity. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2018, 391, 255-269.	1.4	9
123	Synthesis of [60]fullerene derivatives bearing five-membered heterocyclic wings and an investigation of their photophysical kinetic properties. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 217, 184-190.	2.0	8
124	Identification of maloyl glucans from <i>Euphorbia tirucalli</i> by ESI-(H^+)-FT-ICR MS analyses. <i>Phytochemistry Letters</i> , 2015, 12, 209-214.	0.6	8
125	Lower rim dimerization of a calixarene through the encapsulation of sodium ions. <i>CrystEngComm</i> , 2016, 18, 6987-6991.	1.3	8
126	Prediction of Total Acid Number in Distillation Cuts of Crude Oil by ESI-(H^+) FT-ICR MS Coupled with Chemometric Tools. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	8

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127	The Spatial Distribution of Alkaloids in <i>Psychotria prunifolia</i> (Kunth) Steyer and <i>Palicourea coriacea</i> (Cham.) K. Schum Leaves Analysed by Desorption Electrospray Ionisation Mass Spectrometry Imaging. <i>Phytochemical Analysis</i> , 2018, 29, 69-76.	1.2	8
128	A New Strategy for the Analysis of Steroid Hormones in Industrial Wastewaters by Paper Spray Ionization Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 2250-2257.	1.2	8
129	Directly transferring pepper constituents to triangular papers for pungency determination by paper spray ionization mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 5389-5396.	1.9	8
130	Synthesis of Tyrosol 1,2,3-Triazole Derivatives and Their Phytotoxic Activity against <i>Euphorbia heterophylla</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 2806-2816.	2.4	8
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