

Boniek G. Vaz

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184
papers

3,304
citations

34
h-index

47
g-index

199
ext. papers

3,792
ext. citations

4.4
avg, IF

5.24
L-index

#	Paper	IF	Citations
184	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	4.8	123
183	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, 3031-7	4.2	94
182	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	7.1	89
181	Petroleomics by EASI(+/-) FT-ICR MS. <i>Analytical Chemistry</i> , 2010 , 82, 3990-6	7.8	87
180	Instantaneous chemical profiles of banknotes by ambient mass spectrometry. <i>Analyst, The</i> , 2010 , 135, 2533-9	5	79
179	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, 4253-8	5.7	70
178	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	7.1	68
177	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	7.1	66
176	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, 5264-73	4.2	66
175	FT-ICR MS analysis of asphaltenes: Asphaltenes go in, fullerenes come out. <i>Fuel</i> , 2014 , 131, 49-58	7.1	62
174	Characterization of Bio-oils from Different Pyrolysis Process Steps and Biomass Using High-Resolution Mass Spectrometry. <i>Energy & Fuels</i> , 2013 , 27, 6646-6654	4.1	53
173	Molecularly imprinted polymer (MIP) membrane assisted direct spray ionization mass spectrometry for agrochemicals screening in foodstuffs. <i>Talanta</i> , 2018 , 178, 507-514	6.2	51
172	Structural and proactive safety aspects of oxidation debris from multiwalled carbon nanotubes. <i>Journal of Hazardous Materials</i> , 2011 , 189, 391-6	12.8	51
171	A new insert sample approach to paper spray mass spectrometry: a paper substrate with paraffin barriers. <i>Analyst, The</i> , 2016 , 141, 1707-13	5	49
170	Whisky analysis by electrospray ionization-Fourier transform mass spectrometry. <i>Food Research International</i> , 2013 , 51, 98-106	7	45
169	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	4.1	45
168	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	4.1	45

167	Palladium-catalyzed tandem Heck-lactonization from o-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, 7085-91	4.2	45
166	Varietal discrimination of Chilean wines by direct injection mass spectrometry analysis combined with multivariate statistics. <i>Food Chemistry</i> , 2012 , 131, 692-697	8.5	44
165	Paper spray ionization and portable mass spectrometers: a review. <i>Analytical Methods</i> , 2019 , 11, 999-1013	3.2	42
164	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	3.5	42
163	Antioxidant potential and vasodilatory activity of fermented beverages of jaboticaba berry (<i>Myrciaria jaboticaba</i>). <i>Journal of Functional Foods</i> , 2014 , 8, 169-179	5.1	41
162	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, 1616-24	5	41
161	Phosphorylimidazole derivatives: potentially biosignaling molecules. <i>Journal of Organic Chemistry</i> , 2011 , 76, 8003-8	4.2	41
160	Intramolecular catalysis of phosphodiester hydrolysis by two imidazoles. <i>Journal of the American Chemical Society</i> , 2010 , 132, 8513-23	16.4	40
159	On the mechanism of the aza-Morita-Baylis-Hillman reaction: ESI-MS interception of a unique new intermediate. <i>Chemical Communications</i> , 2011 , 47, 6593-5	5.8	40
158	3D printing of microfluidic devices for paper-assisted direct spray ionization mass spectrometry. <i>Analytical Methods</i> , 2016 , 8, 496-503	3.2	39
157	Gasoline, Kerosene, and Diesel Fingerprinting via Polar Markers. <i>Energy & Fuels</i> , 2012 , 26, 3542-3547	4.1	38
156	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	3.2	37
155	Analyzes of hydrocarbons by atmosphere pressure chemical ionization FT-ICR mass spectrometry using isooctane as ionizing reagent. <i>Fuel</i> , 2015 , 153, 346-354	7.1	35
154	Qualitative analysis of designer drugs by paper spray ionisation mass spectrometry (PSI-MS). <i>Analytical Methods</i> , 2016 , 8, 614-620	3.2	35
153	Paper spray ionization mass spectrometry applied to forensic chemistry [Drugs of abuse, inks and questioned documents. <i>Analytical Methods</i> , 2017 , 9, 4400-4409	3.2	35
152	Chemometric Techniques Applied for Classification and Quantification of Binary Biodiesel/Diesel Blends. <i>Analytical Letters</i> , 2012 , 45, 2398-2411	2.2	35
151	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	7.1	34
150	Characterisation and selection of demulsifiers for water-in-crude oil emulsions using low-field ¹ H NMR and ESIET-ICR MS. <i>Fuel</i> , 2015 , 140, 762-769	7.1	33

149	Synthesis and leishmanicidal activity of eugenol derivatives bearing 1,2,3-triazole functionalities. <i>European Journal of Medicinal Chemistry</i> , 2018 , 146, 274-286	6.8	33
148	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	7.8	33
147	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	7.1	31
146	Catalytic decarboxylation of naphthenic acids in crude oils. <i>Fuel</i> , 2015 , 158, 113-121	7.1	31
145	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	4.1	30
144	Efficient phosphodiester hydrolysis by luminescent terbium(III) and europium(III) complexes. <i>Inorganic Chemistry</i> , 2010 , 49, 6013-25	5.1	30
143	Modified activated carbon as a promising adsorbent for quinoline removal. <i>Microporous and Mesoporous Materials</i> , 2019 , 277, 208-216	5.3	30
142	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	2.6	29
141	Antioxidant and vasodilatory activity of commercial beers. <i>Journal of Functional Foods</i> , 2017 , 34, 130-138	5.1	28
140	Revealing the chemical characterization of asphaltene fractions produced by N-methylpyrrolidone using FTIR, molecular fluorescence, ¹ H NMR, and ESI(-)FT-ICR MS. <i>Fuel</i> , 2017 , 210, 514-526	7.1	27
139	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	4.1	27
138	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, 863-71	4.2	26
137	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	8.5	26
136	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	3.2	26
135	Fractionation of asphaltene 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	7.1	24
134	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	4.1	24
133	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, 73-9	2	24
132	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	7.1	23

131	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	5.1	23
130	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	2.8	23
129	Petroleomics by Direct Analysis in Real Time-Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2016 , 27, 182-5	3.5	22
128	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	1.9	22
127	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	8.4	22
126	Activated carbons for chalcone production: Claisen-Schmidt condensation reaction. <i>Chemical Engineering Journal</i> , 2016 , 303, 604-610	14.7	22
125	Analyzing Brazilian vehicle documents for authenticity by easy ambient sonic-spray ionization mass spectrometry. <i>Journal of Forensic Sciences</i> , 2012 , 57, 539-43	1.8	22
124	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	1.6	22
123	Facile room temperature synthesis of large graphene sheets from simple molecules. <i>Chemical Science</i> , 2018 , 9, 7297-7303	9.4	21
122	Characterization of organosulfur compounds in asphalt cement samples by ESI(+)FT-ICR MS and ¹³ C NMR spectroscopy. <i>Fuel</i> , 2019 , 256, 115923	7.1	19
121	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	3.5	19
120	LSD and 9,10-dihydro-LSD analyses in street drug blotter samples via easy ambient sonic-spray ionization mass spectrometry (EASI-MS). <i>Journal of Forensic Sciences</i> , 2012 , 57, 1307-12	1.8	19
119	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	2.3	19
118	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	5	19
117	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	3.2	17
116	Precision in Petroleomics via Ultrahigh Resolution Electrospray Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Energy & Fuels</i> , 2013 , 27, 7208-7216	4.1	17
115	Radical Scavenger Capacity of Jaboticaba Fruit () and Its Biological Effects in Hypertensive Rats. <i>Oxidative Medicine and Cellular Longevity</i> , 2017 , 2017, 2383157	6.7	16
114	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	1.9	16

113	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	4.7	16
112	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	2	16
111	Synthesis of β , γ -unsaturated aryl esters via Heck reaction of unsymmetrical aryl tellurides. <i>Tetrahedron Letters</i> , 2009 , 50, 5589-5595	2	16
110	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	6.8	15
109	<i>Eugenia calycina</i> 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	3.5	15
108	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	1.5	15
107	Efficient electrochemical remediation of microcystin-LR in tap water using designer TiO@carbon electrodes. <i>Scientific Reports</i> , 2017 , 7, 41326	4.9	14
106	Waxy Crude Oil Emulsion Gel: Chemical Characterization of Emulsified Phase Extract Components. <i>Energy & Fuels</i> , 2014 , 28, 7352-7358	4.1	14
105	New pyrazole derivative 5-[1-(4-fluorophenyl)-1H-pyrazol-4-yl]-2H-tetrazole: synthesis and assessment of some biological activities. <i>Chemical Biology and Drug Design</i> , 2017 , 89, 124-135	2.9	14
104	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, 9407-12	5.7	14
103	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	4.1	13
102	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 ,	3.5	12
101	Chemical characterization of synthetic cannabinoids by electrospray ionization FT-ICR mass spectrometry. <i>Forensic Science International</i> , 2016 , 266, 474-487	2.6	12
100	Tert-butyl 4-((1-phenyl-1H-pyrazol-4-yl) methyl) piperazine-1-carboxylate (LQFM104)- New piperazine derivative with antianxiety and antidepressant-like effects: Putative role of serotonergic system. <i>Biomedicine and Pharmacotherapy</i> , 2018 , 103, 546-552	7.5	12
99	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	5.1	11
98	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	7.8	11
97	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	5.1	11
96	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	2.2	11

95	Design, synthesis and pharmacological evaluation of new anti-inflammatory compounds. <i>European Journal of Pharmacology</i> , 2016 , 791, 195-204	5.3	10
94	Synthesis and antimetastatic activity evaluation of cinnamic acid derivatives containing 1,2,3-triazolic portions. <i>Toxicology in Vitro</i> , 2018 , 53, 1-9	3.6	10
93	Antinociceptive, anti-inflammatory and anxiolytic-like effects of the ethanolic extract, fractions and Hibalactone isolated from <i>Hydrocotyle umbellata</i> L. (Acariaceae) - Araliaceae. <i>Biomedicine and Pharmacotherapy</i> , 2017 , 95, 837-846	7.5	10
92	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	5.1	10
91	Phytochemistry and antimicrobial activity of <i>Campomanesia adamantium</i> . <i>Revista Brasileira De Farmacognosia</i> , 2018 , 28, 303-311	2	9
90	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 ^{5.1}	5.1	9
89	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	3.5	9
88	Shvo@ catalyst in chemoenzymatic dynamic kinetic resolution of amines - inner or outer sphere mechanism?. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 6695-8	3.9	9
87	Phytochemical profile of genotypes of <i>Euterpe edulis</i> Martius - Juçara palm fruits. <i>Food Research International</i> , 2019 , 116, 985-993	7	9
86	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	4.4	8
85	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 ^{5.1}	5.1	8
84	The novel piperazine-containing compound LQFM018: Necroptosis cell death mechanisms, dopamine D receptor binding and toxicological assessment. <i>Biomedicine and Pharmacotherapy</i> , 2018 , 102, 481-493	7.5	8
83	Study of ciprofloxacin degradation by zero-valent copper nanoparticles. <i>Chemical Papers</i> , 2019 , 73, 249-260	2.6	8
82	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	5.1	8
81	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	4.7	8
80	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	8.4	8
79	Anxiolytic-like effect of 2-(4-((1-phenyl-1H-pyrazol-4-yl)methyl)piperazin-1-yl)ethan-1-ol is mediated through the benzodiazepine and nicotinic pathways. <i>Chemical Biology and Drug Design</i> , 2017 , 90, 432-442 ^{2.9}	2.9	7
78	Lipid dynamics in LPS-induced neuroinflammation by DESI-MS imaging. <i>Brain, Behavior, and Immunity</i> , 2019 , 79, 186-194	16.6	7

77	Identification of maloyl glucans from <i>Euphorbia tirucalli</i> by ESI-FT-ICR MS analyses. <i>Phytochemistry Letters</i> , 2015 , 12, 209-214	1.9	7
76	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	7.1	7
75	Prediction of Total Acid Number in Distillation Cuts of Crude Oil by ESI-FT-ICR MS Coupled with Chemometric Tools. <i>Journal of the Brazilian Chemical Society</i> , 2017 ,	1.5	7
74	Mass spectrometry and multivariate analysis to classify cervical intraepithelial neoplasia from blood plasma: an untargeted lipidomic study. <i>Scientific Reports</i> , 2018 , 8, 3954	4.9	7
73	The use of conductive polymers as a substrate for paper spray ionization mass spectrometry. <i>Analytical Methods</i> , 2019 , 11, 3388-3400	3.2	6
72	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	7.1	6
71	The Spatial Distribution of Alkaloids in <i>Psychotria prunifolia</i> (Kunth) Steyerm 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	3.4	6
70	Lower rim dimerization of a calixarene through the encapsulation of sodium ions. <i>CrystEngComm</i> , 2016 , 18, 6987-6991	3.3	6
69	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	3.5	6
68	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> , 2018 ,	1.5	6
67	Protective effect of vitamin C in female Swiss mice dermally-exposed to the tannery effluent. <i>Chemosphere</i> , 2017 , 181, 492-499	8.4	5
66	Probing the competition between acetate and 2,2'-bipyridine ligands to bind to d-block group 12 metals. <i>New Journal of Chemistry</i> , 2017 , 41, 12843-12853	3.6	5
65	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	4.5	5
64	A simple alternative to prodrug: The hydrochloride salt monohydrate of the prostate anticancer drug abiraterone. <i>Journal of Molecular Structure</i> , 2019 , 1190, 165-170	3.4	5
63	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	2.5	5
62	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	3.4	5
61	Evaluation of the effects of the simulated thermal evolution of a Type-I source rock on the distribution of basic nitrogen-containing compounds. <i>Fuel</i> , 2019 , 254, 115685	7.1	5
60	Cerebral Lipid Dynamics in Chronic Cerebral Hypoperfusion Model by DESI-MS Imaging. <i>Neuroscience</i> , 2020 , 426, 1-12	3.9	5

59	Polypyrrole-coated needle as an electrospray emitter for ambient mass spectrometry. <i>Analytical Methods</i> , 2020 , 12, 3235-3241	3.2	4
58	ANTIMICROBIAL ACTIVITY OF COPAIFERA SPP. AGAINST BACTERIA ISOLATED FROM MILK OF COWS WITH MASTITIS. <i>Ciencia Animal Brasileira</i> , 2017 , 18,	0.8	4
57	Electrochemical remediation of industrial pharmaceutical wastewater containing hormones in a pilot scale treatment system. <i>Eletica Quimica</i> , 2019 , 44, 40	2.6	4
56	Laser ablation electrospray ionization mass spectrometry imaging as a new tool for accessing patulin diffusion in mold-infected fruits. <i>Food Chemistry</i> , 2021 , 373, 131490	8.5	4
55	Miniaturized sample preparation techniques and ambient mass spectrometry as approaches for food residue analysis. <i>Journal of Chromatography A</i> , 2021 , 1640, 461949	4.5	4
54	One step N-glycosylation by filamentous fungi biofilm in bioreactor of a new phosphodiesterase-3 inhibitor tetrazole. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016 , 26, 3177-3181	2.9	4
53	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	7.1	4
52	Combining the Katritzky Reaction and Paper Spray Ionization Mass Spectrometry for Enhanced Detection of Amino Acid Neurotransmitters in Mouse Brain Sections. <i>Journal of the American Society for Mass Spectrometry</i> , 2021 , 32, 2513-2518	3.5	4
51	Coordinated nitroxyl anion is produced and released as nitrous oxide by the decomposition of iridium-coordinated nitrosothiols. <i>Inorganica Chimica Acta</i> , 2011 , 366, 85-90	2.7	3
50	Study of the Effect of Inhibitors Solutions on the Chemical Composition of Waxes by Rheology Tests and High Resolution Mass Spectrometry. <i>Journal of the Brazilian Chemical Society</i> ,	1.5	3
49	Anti-inflammatory and antinociceptive activity profile of a new lead compound - LQFM219. <i>International Immunopharmacology</i> , 2020 , 88, 106893	5.8	3
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