

Rodinei Augusti

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6916667/publications.pdf>

Version: 2024-02-01

208
papers

4,252
citations

101543

36
h-index

161849

54
g-index

213
all docs

213
docs citations

213
times ranked

5200
citing authors

#	ARTICLE	IF	CITATIONS
1	Gaseous Supramolecules of Imidazolium Ionic Liquids: ?Magic? Numbers and Intrinsic Strengths of Hydrogen Bonds. <i>Chemistry - A European Journal</i> , 2004, 10, 6187-6193.	3.3	239
2	Monitoring the degradation of tetracycline by ozone in aqueous medium via atmospheric pressure ionization mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2007, 18, 679-687.	2.8	156
3	Advanced Oxidation of Caffeine in Water: On-Line and Real-Time Monitoring by Electrospray Ionization Mass Spectrometry. <i>Environmental Science & Technology</i> , 2005, 39, 5982-5988.	10.0	121
4	A preliminary evaluation of the effect of processing temperature on coffee roasting degree assessment. <i>Journal of Food Engineering</i> , 2009, 92, 345-352.	5.2	94
5	Quantitative Chiral Analysis of Sugars by Electrospray Ionization Tandem Mass Spectrometry Using Modified Amino Acids as Chiral Reference Compounds. <i>Analytical Chemistry</i> , 2002, 74, 3458-3462.	6.5	89
6	Discrimination between defective and non-defective Brazilian coffee beans by their volatile profile. <i>Food Chemistry</i> , 2008, 106, 787-796.	8.2	84
7	Chemical Reactivity Assessment Using Reactive Paper Spray Ionization Mass Spectrometry: The Katritzky Reaction. <i>ChemPlusChem</i> , 2013, 78, 1142-1148.	2.8	84
8	Photolysis and photocatalysis of ibuprofen in aqueous medium: characterization of by-products via liquid chromatography coupled to high-resolution mass spectrometry and assessment of their toxicities against <i>Artemia Salina</i> . <i>Journal of Mass Spectrometry</i> , 2014, 49, 145-153.	1.6	83
9	Development and validation of a method for the determination of sulfonamides in animal feed by modified QuEChERS and LC-MS/MS analysis. <i>Food Control</i> , 2012, 28, 192-198.	5.5	82
10	Kinetics and Mechanism of Benzene Derivative Degradation with Fenton's Reagent in Aqueous Medium Studied by MIMS. <i>Journal of Physical Chemistry A</i> , 1998, 102, 10723-10727.	2.5	78
11	Evaluation of the potential of SPME-GC-MS and chemometrics to detect adulteration of ground roasted coffee with roasted barley. <i>Journal of Food Composition and Analysis</i> , 2009, 22, 257-261.	3.9	77
12	Application of Fenton's reagent to regenerate activated carbon saturated with organochloro compounds. <i>Chemosphere</i> , 2003, 50, 1049-1054.	8.2	75
13	Investigation on the Esterification of Fatty Acids Catalyzed by the H ₃ PW ₁₂ O ₄₀ heteropolyacid. <i>JAACS, Journal of the American Oil Chemists' Society</i> , 2008, 85, 555-560.	1.9	70
14	Speciation and quantification of mercury in Oxisol, Ultisol, and Spodosol from Amazon (Manaus, Brazil). <i>Journal of Environmental Quality</i> , 2007, 36, 69-75.	8.2	69
15	Organic Reactions of Ionic Intermediates Promoted by Atmospheric Pressure Thermal Activation. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 3422-3425.	13.8	64
16	Paper spray mass spectrometry and PLS-DA improved by variable selection for the forensic discrimination of beers. <i>Analytica Chimica Acta</i> , 2016, 940, 104-112.	5.4	60
17	Platinum/tin catalyzed hydroformylation of naturally occurring monoterpenes. <i>Journal of Molecular Catalysis A</i> , 2000, 152, 15-24.	4.8	53
18	Biodiesel Typification and Quality Control by Direct Infusion Electrospray Ionization Mass Spectrometry Fingerprinting. <i>Energy & Fuels</i> , 2007, 21, 3698-3701.	5.1	51

#	ARTICLE	IF	CITATIONS
19	Photolytic degradation of the insecticide thiamethoxam in aqueous medium monitored by direct infusion electrospray ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2007, 42, 1319-1325.	1.6	48
20	Determination of volatile compounds in Brazilian distilled cachaça by using comprehensive two-dimensional gas chromatography and effects of production pathways. <i>Journal of Chromatography A</i> , 2009, 1216, 2881-2890.	3.7	47
21	Electrospray Ionization Mass Spectrometry Fingerprinting of Brazilian Artisan Cachaça Aged in Different Wood Casks. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 2094-2102.	5.2	45
22	Evaluation of the composition of street cocaine seized in two regions of Brazil. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2013, 53, 425-432.	2.1	45
23	Direct Visualization of Neurotransmitters in Rat Brain Slices by Desorption Electrospray Ionization Mass Spectrometry Imaging (DESI - MS). <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 1944-1951.	2.8	45
24	Reactions of 3-diazo-1,3-dihydro-2H-indol-2-one derivatives with enamines. A novel synthesis of 1,2,3-triazoles. <i>Journal of Organic Chemistry</i> , 1993, 58, 7079-7083.	3.2	44
25	New materials for photocatalytic degradation of Indigo Carmine—Synthesis, characterization and catalytic experiments of nanometric tin dioxide-based composites. <i>Applied Catalysis B: Environmental</i> , 2010, 96, 67-71.	20.2	44
26	Forensic analysis of ballpoint pen inks using paper spray mass spectrometry. <i>Analyst, The</i> , 2015, 140, 811-819.	3.5	44
27	Direct Protocol for Ambient Mass Spectrometry Imaging on Agar Culture. <i>Analytical Chemistry</i> , 2015, 87, 6925-6930.	6.5	44
28	Paper spray mass spectrometry and chemometric tools for a fast and reliable identification of counterfeit blended Scottish whiskies. <i>Food Chemistry</i> , 2017, 237, 1058-1064.	8.2	43
29	Convenient one-pot synthesis of 4,8-dimethyl-bicyclo[3.3.1]non-7-en-2-ol via platinum/tin catalyzed hydroformylation/cyclization of limonene. <i>Tetrahedron Letters</i> , 1997, 38, 41-44.	1.4	42
30	Gasoline, Kerosene, and Diesel Fingerprinting via Polar Markers. <i>Energy & Fuels</i> , 2012, 26, 3542-3547.	5.1	42
31	Photodegradation of bisphenol A in aqueous medium: Monitoring and identification of by-products by liquid chromatography coupled to high-resolution mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 987-994.	1.5	41
32	Paper spray ionization mass spectrometry applied to forensic chemistry—drugs of abuse, inks and questioned documents. <i>Analytical Methods</i> , 2017, 9, 4400-4409.	2.7	41
33	Development and validation of a multianalyte method for quantification of mycotoxins and pesticides in rice using a simple dilute and shoot procedure and UHPLC-MS/MS. <i>Food Chemistry</i> , 2019, 270, 420-427.	8.2	41
34	Combining mid infrared spectroscopy and paper spray mass spectrometry in a data fusion model to predict the composition of coffee blends. <i>Food Chemistry</i> , 2019, 281, 71-77.	8.2	40
35	Palladium/tin catalyzed alkoxy-carbonylation of naturally occurring bicyclic monoterpenes. <i>Journal of Molecular Catalysis A</i> , 1998, 132, 213-221.	4.8	37
36	Quantitative determination of the enantiomeric composition of thalidomide solutions by electrospray ionization tandem mass spectrometry. <i>Chemical Communications</i> , 2002, , 2242-2243.	4.1	37

#	ARTICLE	IF	CITATIONS
37	Acid-catalyzed oligomerization of glycerol investigated by electrospray ionization mass spectrometry. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, 1667-1673.	0.6	37
38	Heterociclos 1,2,3-triazÃ³licos: histÃ³rico, mÃ©todos de preparaÃ§Ã£o, aplicaÃ§Ãµes e atividades farmacolÃ³gicas. <i>Quimica Nova</i> , 2006, 29, 569-579.	0.3	36
39	Investigation of reaction mechanisms by electrospray ionization mass spectrometry: characterization of intermediates in the degradation of phenol by a novel iron/magnetite/hydrogen peroxide heterogeneous oxidation system. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 1859-1863.	1.5	35
40	Multiresidue determination of fluoroquinolones in poultry muscle and kidney according to the regulation 2002/657/EC. A systematic comparison of two different approaches: Liquid chromatography coupled to high-resolution mass spectrometry or tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2015, 1379, 83-91.	3.7	35
41	Electrospray ionization mass spectrometry monitoring of indigo carmine degradation by advanced oxidative processes. <i>Journal of Mass Spectrometry</i> , 2007, 42, 1273-1278.	1.6	34
42	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.	2.2	34
43	Ambient Eberlin reactions via desorption electrospray ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2006, 41, 1242-1246.	1.6	33
44	Ultrasound for the remediation of contaminated waters with persistent organic pollutants: A short review. <i>Ultrasonics Sonochemistry</i> , 2021, 78, 105719.	8.2	33
45	Brazilian cachaÃ§a: â€œSingle shotâ€-typification of fresh alembic and industrial samples via electrospray ionization mass spectrometry fingerprinting. <i>Food Chemistry</i> , 2009, 115, 1064-1068.	8.2	32
46	Degradation of the insecticides thiamethoxam and imidacloprid by zero-valent metals exposed to ultrasonic irradiation in water medium: electrospray ionization mass spectrometry monitoring. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 3472-3480.	1.5	31
47	A versatile approach to treat aqueous residues of textile industry: The photocatalytic degradation of Indigo Carmine dye employing the autoclaved cellular concrete/Fe ₂ O ₃ system. <i>Chemical Engineering Journal</i> , 2012, 180, 25-31.	12.7	31
48	Mimicking the atmospheric OH-radical-mediated photooxidation of isoprene: formation of cloud-condensation nuclei polyols monitored by electrospray ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 2104-2108.	1.5	30
49	Differentiation of rum and Brazilian artisan cachaÃ§a via electrospray ionization mass spectrometry fingerprinting. <i>Journal of Mass Spectrometry</i> , 2007, 42, 1294-1299.	1.6	28
50	Removal of methyl parathion by cyanobacteria <i>Microcystis novacekii</i> under culture conditions. <i>Journal of Environmental Monitoring</i> , 2010, 12, 1302.	2.1	28
51	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.	2.7	28
52	Supramolecular microextraction combined with paper spray ionization mass spectrometry for sensitive determination of tricyclic antidepressants in urine. <i>Analytica Chimica Acta</i> , 2020, 1106, 52-60.	5.4	28
53	Synthesis of phase-pure SnS particles employing dithiocarbamate organotin(IV) complexes as single source precursors in thermal decomposition experiments. <i>Applied Organometallic Chemistry</i> , 2010, 24, 650-655.	3.5	27
54	Crystal Structure, Antibacterial and Cytotoxic Activities of a New Complex of Bismuth(III) with Sulfapyridine. <i>Molecules</i> , 2013, 18, 1464-1476.	3.8	27

#	ARTICLE	IF	CITATIONS
55	Paper Spray Mass Spectrometry for the Forensic Analysis of Black Ballpoint Pen Inks. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 1965-1976.	2.8	27
56	The Simplest Azabutadienes in Their N-Protonated Forms. Generation, Stability, and Cycloaddition Reactivity in the Gas Phase. <i>Journal of Organic Chemistry</i> , 1998, 63, 4889-4897.	3.2	26
57	An appraisal on the degradation of paracetamol by TiO ₂ /UV system in aqueous medium: product identification by gas chromatography-mass spectrometry (GC-MS). <i>Journal of the Brazilian Chemical Society</i> , 2008, 19, .	0.6	26
58	Direct infusion electrospray ionization mass spectrometry applied to the detection of forgeries: Roasted coffees adulterated with their husks. <i>Microchemical Journal</i> , 2014, 117, 127-132.	4.5	26
59	Atmospheric pressure Eberlin transacetalization reactions in the heterogeneous liquid/gas phase. <i>International Journal of Mass Spectrometry</i> , 2006, 253, 281-287.	1.5	25
60	On-line monitoring by membrane introduction mass spectrometry of chlorination of organics in water. Mechanistic and kinetic aspects of chloroform formation. , 2000, 35, 618-624.		24
61	The effect of Mn substitution on the catalytic properties of ferrites. <i>Studies in Surface Science and Catalysis</i> , 2000, , 2165-2170.	1.5	24
62	Determination of the enantiomeric composition of ibuprofen solutions via a rapid and sensitive mass spectrometry method. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 1881-1885.	1.8	24
63	Indigo Carmine degradation by hypochlorite in aqueous medium monitored by electrospray ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 1893-1899.	1.5	24
64	Degradation of the insecticides Thiamethoxam and Imidacloprid in aqueous solution as promoted by an innovative Fe ⁰ /Fe ₃ O ₄ composite. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, 51-56.	0.6	24
65	Recognition and resolution of isomeric alkyl anilines by mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2009, 20, 269-277.	2.8	24
66	Recognizing drug-facilitated crimes: Detection and quantification of benzodiazepines in beverages using fast liquid-liquid extraction with low temperature partitioning and paper spray mass spectrometry. <i>Drug Testing and Analysis</i> , 2018, 10, 1348-1357.	2.6	24
67	A novel TiO ₂ /autoclaved cellular concrete composite: From a precast building material to a new floating photocatalyst for degradation of organic water contaminants. <i>Journal of Water Process Engineering</i> , 2015, 7, 27-35.	5.6	23
68	Preparation of a new composite by reaction of SnBu ₃ Cl with TiCl ₄ in the presence of NH ₄ OH; photocatalytic degradation of indigo carmine. <i>Applied Organometallic Chemistry</i> , 2011, 25, 220-225.	3.5	22
69	<sc>LSD</sc> and 9,10-dihydro<sc>LSD</sc> Analyses in Street Drug Blotter Samples via Easy Ambient Sonic<sc>Spray Ionization Mass Spectrometry (<sc>EASI</sc>-<sc>MS</sc>). <i>Journal of Forensic Sciences</i> , 2012, 57, 1307-1312.	1.6	22
70	Polyetherimide-silicone: a 10 μm ultrathin composite membrane for faster and more sensitive membrane introduction mass spectrometry analysis. <i>Analytical Communications</i> , 1999, 36, 221-223.	2.2	21
71	Paper spray mass spectrometry applied to the detection of cocaine in simulated samples. <i>Analytical Methods</i> , 2015, 7, 9145-9149.	2.7	21
72	Extra virgin (EV) and ordinary (ON) olive oils: distinction and detection of adulteration (EV with ON) as determined by direct infusion electrospray ionization mass spectrometry and chemometric approaches. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 1875-1880.	1.5	20

#	ARTICLE	IF	CITATIONS
73	Electrospray ionization mass spectrometry and partial least squares discriminant analysis applied to the quality control of olive oil. <i>Journal of Mass Spectrometry</i> , 2013, 48, 1109-1115.	1.6	20
74	Bicyclic triazoles from a diazo transfer reaction between cyclic enaminones and 5,7-dinitro-3-diazo-1,3-dihydro-2H-indol-2-one. <i>Tetrahedron</i> , 1994, 50, 6723-6726.	1.9	19
75	Intrinsic Reactivity of Gaseous Halocarboocations toward Model Aromatic Compounds. <i>Journal of Physical Chemistry A</i> , 2004, 108, 7009-7020.	2.5	19
76	SYNTHESIS OF NOVEL AND HARDLY-OBTAINABLE 1,2,3-TRIAZOLES WITH POTENTIAL ANTITUMORAL ACTIVITY BY A DIAZO-TRANSFER REACTION FROM 5,7-DINITRO-3-DIAZO-1,3-DIHYDRO-2H-INDOL-2-ONE TO ENAMINONES. <i>Heterocyclic Communications</i> , 2003, 9, .	1.2	18
77	Chemical profile of <i>Eugenia brasiliensis</i> (Grumixama) pulp by PS/MS paper spray and SPME-GC / MS solid-phase microextraction. <i>Research, Society and Development</i> , 2020, 9, e318974008.	0.1	18
78	Development and validation (according to the 2002/657/EC regulation) of a method to quantify sulfonamides in porcine liver by fast partition at very low temperature and LC-MS/MS. <i>Analytical Methods</i> , 2011, 3, 606.	2.7	17
79	Determination of cocaine in postmortem human liver exposed to overdose. Application of an innovative and efficient extraction/clean up procedure and gas chromatography-mass spectrometry analysis. <i>Journal of Chromatography A</i> , 2013, 1309, 15-21.	3.7	17
80	Reactions of carbethoxycarbene with enaminones. Formation of unexpected pyrroles. <i>Journal of Heterocyclic Chemistry</i> , 1995, 32, 1355-1357.	2.6	16
81	A new material consisting of TiO ₂ supported on Nb ₂ O ₅ as photocatalyst for the degradation of organic contaminants in aqueous medium. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 2352-2358.	6.7	16
82	Forensic discrimination between authentic and counterfeit perfumes using paper spray mass spectrometry and multivariate supervised classification. <i>Analytical Methods</i> , 2017, 9, 4979-4987.	2.7	16
83	On-surface photocatalytic degradation of methylene blue: In situ monitoring by paper spray ionization mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2017, 418, 107-111.	1.5	16
84	Simultaneous Extraction of Pesticides and Polycyclic Aromatic Hydrocarbons in Brazilian Cachaça Using a Modified QuEChERS Method Followed by Gas Chromatography Coupled to Tandem Mass Spectrometry Quantification. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 399-405.	5.2	16
85	The Kinetic Method as a Structural Diagnostic Tool: Ionized $\hat{\pm}$ -Diketones as Loosely One-Electron Bonded Diacylium Ion Dimers. <i>European Journal of Mass Spectrometry</i> , 2003, 9, 295-304.	1.0	15
86	Direct assignment of positional isomers by mass spectrometry:ortho, meta and para acyl and amidyl anilines and phenols and derivatives. <i>Journal of Mass Spectrometry</i> , 2004, 39, 1176-1181.	1.6	15
87	Preparation of Novel 1,2,3-Triazoles and a Comparative Study Involving Two Recent Methods for 1,2,3-Triazole Synthesis. <i>Synthetic Communications</i> , 2004, 34, 369-376.	2.1	15
88	Detection of signature forgery with erasable pens using paper spray mass spectrometry (PS-MS). <i>Analytical Methods</i> , 2016, 8, 4543-4546.	2.7	15
89	Phytochemicals of Avocado Residues as Potential Acetylcholinesterase Inhibitors, Antioxidants, and Neuroprotective Agents. <i>Molecules</i> , 2022, 27, 1892.	3.8	15
90	The iodide-catalyzed decomposition of hydrogen peroxide: mechanistic details of an old reaction as revealed by electrospray ionization mass spectrometry monitoring. <i>Journal of the Brazilian Chemical Society</i> , 2008, 19, 1105-1110.	0.6	14

#	ARTICLE	IF	CITATIONS
91	Evaluation of the Influence of Extraction Conditions on the Isolation and Identification of Volatile Compounds from Cagaita (<i>Eugenia dysenterica</i>) Using HS-SPME/GC-MS. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	14
92	Ozonation of ethinylestradiol in aqueous-methanolic solution: direct monitoring by electrospray ionization mass spectrometry. <i>Journal of the Brazilian Chemical Society</i> , 2010, 21, 787-794.	0.6	13
93	Anti-theft device staining on banknotes detected by mass spectrometry imaging. <i>Forensic Science International</i> , 2016, 260, 22-26.	2.2	13
94	Antioxidant Activity and Metabolomic Analysis of Cagaitas (<i>Eugenia dysenterica</i>) using Paper Spray Mass Spectrometry. <i>Journal of the Brazilian Chemical Society</i> , 2019, , .	0.6	13
95	Electrospray ionization and tandem mass spectrometry characterization of novel heterotrimetallic Ru(η -5-C ₅ H ₅)(dppf)SnX ₃ complexes and their heterobimetallic Ru(η -5-C ₅ H ₅)(dppf)X precursors. <i>Polyhedron</i> , 2005, 24, 1153-1159.	2.2	12
96	Multivariate calibration applied to ESI mass spectrometry data: a tool to quantify adulteration in extra virgin olive oil with inexpensive edible oils. <i>Analytical Methods</i> , 2014, 6, 7502-7509.	2.7	12
97	Artificially-aged cachaça samples characterised by direct infusion electrospray ionisation mass spectrometry. <i>Food Chemistry</i> , 2014, 143, 77-81.	8.2	11
98	SPME Fiber Evaluation for Volatile Organic Compounds Extraction from Acerola. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	11
99	MIMS evaluation of pervaporation processes. <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 2501-2504.	2.8	10
100	Degradation of food dyes by zero-valent metals exposed to ultrasonic irradiation in water medium: optimization and electrospray ionization mass spectrometry monitoring. <i>Journal of the Brazilian Chemical Society</i> , 2011, 22, 111-119.	0.6	10
101	Metal complex catalyzed functionalization of naturally occurring monoterpenes: oxidation, hydroformylation, alkoxyacylation+. <i>Studies in Surface Science and Catalysis</i> , 2000, , 563-568.	1.5	9
102	Reactivity of some novel multifunctional benzoyl esters towards nucleophiles investigated by electrospray ionization tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 1084-1088.	1.5	9
103	Electrospray Ionization Mass Spectrometry and Multivariate Calibration Analysis: A Combined Protocol To Quantify Biodiesel in Blends with Petrodiesel. <i>Energy & Fuels</i> , 2010, 24, 3183-3188.	5.1	9
104	Paper spray mass spectrometry applied in the monitoring of a chemical system in dynamic chemical equilibrium: the redox process of methylene blue. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 1176-1180.	1.5	9
105	Multiresidue Determination of the Anabolic-Agent Residues Steroids, Stilbenes, and Resorcylic Acid Lactones in Bovine Urine by GC-MS/MS with Microwave-Assisted Derivatization. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 8630-8638.	5.2	9
106	Chemical Physical Characterization and Profile of Fruit Volatile Compounds from Different Accesses of <i>Myrciaria floribunda</i> (H. West Ex Wild.) O. Berg through Polyacrylate Fiber. <i>Molecules</i> , 2021, 26, 5281.	3.8	9
107	Physicochemical Characterization and Paper Spray Mass Spectrometry Analysis of <i>Myrciaria Floribunda</i> (H. West ex Willd.) O. Berg Accessions. <i>Molecules</i> , 2021, 26, 7206.	3.8	9
108	Development and validation of a methodology to qualitatively screening veterinary drugs in porcine muscle via an innovative extraction/clean-up procedure and LC-MS/MS analysis. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2011, 28, 1-10.	2.3	8

#	ARTICLE	IF	CITATIONS
109	Removal of 17 β -ethinylestradiol from a sterile WC medium by the cyanobacteria <i>Microcystis novacekii</i> . <i>Journal of Environmental Monitoring</i> , 2012, 14, 2362.	2.1	8
110	Development and validation of an efficient and innovative method for the quantification of multiclass veterinary drugs in milk by using LC-MS/MS analysis. <i>Analytical Methods</i> , 2013, 5, 5121.	2.7	8
111	Assessing the Spatial Distribution of Key Flavonoids in <i>Mentha piperita</i> Leaves: An Application of Desorption Electrospray Ionization Mass Spectrometry Imaging (DESI-MSI). <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	8
112	Determination of Steroids in Bovine Serum: Validation of a Reliable LC-MS/MS Method and In Vivo Studies with Boldenone Undecylenate and Testosterone Propionate. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 11545-11552.	5.2	8
113	Detection of Handwriting Forgery Made with Erasable Pens Using Desorption Electrospray Mass Spectrometry Imaging. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 1000-1003.	2.8	8
114	Bioactive activities and chemical profile characterization using paper spray mass spectrometry of extracts of <i>Eriobotrya japonica</i> Lindl. leaves. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8883.	1.5	8
115	Optimization of extraction and identification of volatile compounds from <i>Myrciaria floribunda</i> . <i>Revista Ciencia Agronomica</i> , 2021, 52, .	0.3	8
116	Application of membrane introduction mass spectrometry to the study of adsorption of organic compounds on activated carbon and solid phase extraction experiments. <i>Analyst</i> , The, 2003, 128, 884.	3.5	7
117	Cyclization reactions of acylium and thioacylium ions with isocyanates and isothiocyanates: Gas phase synthesis of 3,4-dihydro-2,4-dioxo-2H-1,3,5-oxadiazinium ions. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 1602-1607.	2.8	7
118	Simultaneous quantification of amphetamines and ephedrines in urine by GC/MS using analytical-grade acetic anhydride/pyridine as derivatizing reagents: a suitable approach to reduce costs of routine analyses. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, 348-359.	0.6	7
119	Ozonation of the food dye Brilliant Blue in aqueous medium: monitoring and characterization of products by direct infusion electrospray ionization coupled to high-resolution mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 1305-1310.	1.5	7
120	Desorption electrospray ionization mass spectrometry (DESI-MS) applied to the speciation of arsenic compounds from fern leaves. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 7643-7651.	3.7	7
121	A fast and effective approach for the discrimination of garlic origin using wooden-tip electrospray ionization mass spectrometry and multivariate classification. <i>Talanta</i> , 2021, 230, 122304.	5.5	7
122	Biotic stress caused by <i>in vitro</i> co-inoculation enhances the expression of acetylcholinesterase inhibitors by fungi. <i>Natural Product Research</i> , 2022, 36, 4266-4270.	1.8	7
123	Chloroform formation by chlorination of aqueous algae suspensions: online monitoring via membrane introduction mass spectrometry. <i>Journal of the Brazilian Chemical Society</i> , 2008, 19, 950-955.	0.6	7
124	Quantification of 6-gingerol, metabolomic analysis by paper spray mass spectrometry and determination of antioxidant activity of ginger rhizomes (<i>Zingiber officinale</i>). <i>Research, Society and Development</i> , 2020, 9, e366984822.	0.1	7
125	Analysis of the chemical profile of cerrado pear fixed compounds by mass spectrometry with paper spray and volatile ionization by SPME-HS CG-MS. <i>Research, Society and Development</i> , 2020, 9, e949998219.	0.1	7
126	Electrospray Ionization Mass Spectrometry Fingerprint of the <i>Byrsonima</i> Species. <i>Revista Virtual De Quimica</i> , 2015, 7, 2539-2548.	0.4	7

#	ARTICLE	IF	CITATIONS
127	Optimization of Extraction Conditions and Characterization of Volatile Organic Compounds of Eugenia klotzschiana O. Berg Fruit Pulp. <i>Molecules</i> , 2022, 27, 935.	3.8	7
128	Catalytic hydrodehalogenation of aromatic halides monitored by membrane introduction mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 1507-1510.	1.5	6
129	Locating the charge site in isomeric pyrrolyl ions by Eberlin ion/molecule reactions. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 1775-1778.	1.5	6
130	Biphasic reaction of glycerol and oleic acid: Byproducts formation and phase transfer autocatalytic effect. <i>Catalysis Today</i> , 2020, 344, 227-233.	4.4	6
131	Paper Spray Mass Spectrometry on the Analysis of Phenolic Compounds in <i>Rhynchelytrum repens</i> : A Tropical Grass with Hypoglycemic Activity. <i>Plants</i> , 2021, 10, 1617.	3.5	6
132	Development and validation of a novel analytical method to quantify aflatoxins in baby food samples by employing dispersive solid phase extraction with multi-walled carbon nanotubes. <i>Food Analytical Methods</i> , 2020, 13, 1530-1537.	2.6	6
133	Avaliação da eficiência das técnicas ESI-MS e ATR/FTIR na determinação de adulteração de BX com querosene e óleo residual. <i>Quimica Nova</i> , 2011, 34, 1439-1442.	0.3	6
134	Optimization of extraction conditions of volatile compounds from pequi peel (<i>Caryocar brasiliense</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.1	6
135	Degradation of Prototype Pesticides Submitted to Conventional Water Treatment Conditions: The Influence of Major Parameters. <i>Water, Air, and Soil Pollution</i> , 2010, 211, 427-434.	2.4	5
136	Electrochemical Oxidation of Ethinylestradiol on a Commercial Ti/Ru0.3 Ti0.7O2 DSA Electrode. <i>ISRN Environmental Chemistry</i> , 2013, 2013, 1-7.	0.9	5
137	Simultaneous Identification and Quantitation of 38 Hormonally Growth Promoting Agent Residues in Bovine Muscle by a Highly Sensitive HPLC-MS/MS Method. <i>Food Analytical Methods</i> , 2019, 12, 1914-1926.	2.6	5
138	Visible-light driven catalytic activity of two novel Cu(II) and Ni(II) titanium niobates. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103065.	6.7	5
139	Influence of thermal processing on the characteristics and chemical profile of ora-pro-nobis by PS/MS paper spray. <i>Research, Society and Development</i> , 2021, 10, e12110212119.	0.1	5
140	Study of Thermoplastic Extrusion and Its Impact on the Chemical and Nutritional Characteristics and Two Sorghum Genotypes SC 319 and BRS 332. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	5
141	Development and Chemical Characterization of Pequi Pericarp Flour (<i>Caryocar brasiliense</i> Camb.) and Effect of in vitro Digestibility on the Bioaccessibility of Phenolic Compounds. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	5
142	Use of pulp, peel, and seed of <i>Annona crassiflora</i> Mart. in elaborating extracts for fingerprint analysis using paper spray mass spectrometry. <i>Food Research International</i> , 2022, 160, 111687.	6.2	5
143	Mass Spectrometry and Gas-Phase Chemistry of Anilines. , 0, , 293-346.		4
144	Membrane introduction mass spectrometry for monitoring complexation equilibria of β -cyclodextrin with substituted benzenes. <i>Analyst</i> , The, 2003, 128, 61-64.	3.5	4

#	ARTICLE	IF	CITATIONS
145	Kinetic Isotope and Collision Energy Effects in the Dissociation of Chloride and Bromide Adducts of Aliphatic Alcohols, Benzaldehyde, and 2,4-Pentanedione. <i>Australian Journal of Chemistry</i> , 2003, 56, 415.	0.9	4
146	Dissociation of ionized benzophenones investigated by the kinetic method: effective temperature, steric effects and gas-phase CO+ affinities of phenyl radicals. <i>Journal of Mass Spectrometry</i> , 2004, 39, 558-564.	1.6	4
147	Influence of oxidation state of sulfur on the dissociation of [Tz(CH ₂) _n S(O) _m (CH ₂) _n Tz+Na ⁺] ⁺ adducts generated by electrospray ionization (Tz = tetrazole ring; n = 2, 3; m = 0, 1, 2). <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 377-384.	1.5	4
148	Distillation of fermented sugarcane juice: fractions characterized by electrospray ionization mass spectrometry and multivariate data treatment. <i>Journal of Mass Spectrometry</i> , 2012, 47, 901-904.	1.6	4
149	Electrospray Ionization Mass Spectrometry (ESI-MS) monitoring of the photolysis of diazinon in aqueous solution: Degradation route and toxicity of by-products against <i>Artemia salina</i> . <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2013, 48, 171-176.	1.5	4
150	Characterization and classification of pequi trees (<i>Caryocar brasiliense</i> Camb.) based on the profile of volatile constituents using headspace solid-phase microextraction - gas chromatography - mass spectrometry and multivariate analysis. <i>Food Science and Technology</i> , 0, 33, 116-124.	1.7	4
151	Identification of metal-binding to proteins in seed samples using RF-HPLC-UV, GFAAS and MALDI-TOF-MS. <i>Food Chemistry</i> , 2016, 211, 910-915.	8.2	4
152	Micromesoporous Activated Carbons as Catalysts for the Efficient Oxidation of Aqueous Sulfide. <i>Langmuir</i> , 2017, 33, 11857-11861.	3.5	4
153	On-surface Fenton and Fenton-like reactions appraised by paper spray ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2018, 53, 717-724.	1.6	4
154	Determination of steroids in bovine hair: Validation of a microwave-assisted chemical derivatization method using liquid chromatography-tandem mass spectrometry and in vivo studies. <i>Drug Testing and Analysis</i> , 2020, 12, 1078-1086.	2.6	4
155	Caracterização físico-química, microbiológica e da atividade antioxidante de farinhas de casca e amendoa de manga (<i>Mangifera indica</i>) e sua aplicação em brownie. <i>Research, Society and Development</i> , 2021, 10, e22310212436.	0.1	4
156	Can Serum be a Match for Urine in the Regulatory Analysis of Boldenone in Cattle? A Systematic Comparison Between Detection Window, Stability, and Enzymatic Hydrolysis. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 5528-5535.	5.2	4
157	Identification of Metabolites in Basil Leaves by Desorption Electrospray Ionization Mass Spectrometry Imaging after Cd Contamination. <i>ACS Agricultural Science and Technology</i> , 2021, 1, 21-28.	2.3	4
158	Quantitative determination of the enantiomeric composition of panthotenic acid solutions: a mass spectrometry experiment. <i>Journal of the Brazilian Chemical Society</i> , 2004, 15, 786-790.	0.6	4
159	Chemical profile and bioprospecting of cocoa beans analyzed by paper spray mass spectrometry. <i>Research, Society and Development</i> , 2020, 9, e975986882.	0.1	4
160	Volatile compounds identified in Barbados Cherry BRS-366 Jaburá™. <i>Scientific Electronic Archives</i> , 2016, 9, 67.	0.3	4
161	Cocaine Contamination in Belo Horizonte-MG Paper Currency. <i>Revista Virtual De Química</i> , 2013, 5, .	0.4	4
162	On-surface multicomponent Povarov reaction examined by paper spray mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2022, 472, 116775.	1.5	4

#	ARTICLE	IF	CITATIONS
163	Profile of Myracrodruon urundeuva Volatile Compounds Ease of Extraction and Biodegradability and In Silico Evaluation of Their Interactions with COX-1 and iNOS. <i>Molecules</i> , 2022, 27, 1633.	3.8	4
164	Gas-Phase Halide Affinity of Aliphatic Alcohols Estimated by the Kinetic Method. <i>European Journal of Mass Spectrometry</i> , 2004, 10, 847-855.	1.0	3
165	Synthesis of TiO ₂ /SiO ₂ -B ₂ O ₃ Ternary Nanocomposites: Influence of Interfacial Properties on their Photocatalytic Activities with High Resolution Mass Spectrometry Monitoring. <i>Journal of the Brazilian Chemical Society</i> , 2017, , .	0.6	3
166	Distinguishing legal and illegal cigarettes by applying paper spray mass spectrometry and chemometric tools. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8752.	1.5	3
167	Reagent-Pencil and Paper Spray Mass Spectrometry: A Convenient Combination for Selective Analyses in Complex Matrixes. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 281-288.	2.8	3
168	Direct coupling of paper spray mass spectrometry and four-phase electroextraction sample preparation. <i>Analyst</i> , The, 2021, 146, 1057-1064.	3.5	3
169	Validation of an analytical method based on QuEChERS and LC-MS/MS to quantify nine mycotoxins in plant-based milk. <i>World Mycotoxin Journal</i> , 2021, 14, 339-346.	1.4	3
170	Caracterizaç�o de compostos vol�teis e compostos bioativos da polpa e geleia de cagaita por microextraç�o em fase s�lida no modo headspace e espectrometria de massa por paper spray. <i>Research, Society and Development</i> , 2021, 10, e25610111735.	0.1	3
171	Membrane introduction mass spectrometry applied to the monitoring of chloroform degradation by hypochloride in acidic aqueous medium. <i>Journal of the Brazilian Chemical Society</i> , 2005, 16, 270-274.	0.6	3
172	A novel strategy for the detection of boldenone undecylenate misuse in cattle using ultra-high performance liquid chromatography coupled to high resolution orbitrap mass spectrometry: from non-targeted to targeted. <i>Drug Testing and Analysis</i> , 2021, , .	2.6	3
173	Ionic responses of hydroponic-grown basil (<i>Ocimum basilicum</i> L.) to cadmium long-time exposure. <i>Metallomics</i> , 2022, , .	2.4	3
174	A MECHANISTIC PROPOSAL FOR THE FORMATION OF UNEXPECTED PYRROLES IN REACTIONS OF CARBOETHOXYCARBENE WITH ENAMINONES. <i>Heterocyclic Communications</i> , 2001, 7, .	1.2	2
175	Title is missing!. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2003, 45, 149-154.	1.6	2
176	Hyperthermal Collision-induced Dissociation of Bromotoluene Radical Cations at Self-Assembled Monolayer Surfaces. <i>Mass Spectrometry Letters</i> , 2011, 2, 24-27.	0.5	2
177	An Appraisal on the Source-to-Sink Relationship in Plants: an Application of Desorption Electrospray Ionization Mass Spectrometry Imaging. <i>Journal of the Brazilian Chemical Society</i> , 2017, , .	0.6	2
178	Development and validation of an analytical method for the extraction, identification, and quantification of multi-mycotoxins in beer using a modified QuEChERS procedure and UHPLC-MS/MS. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2020, 37, 2135-2148.	2.3	2
179	Perfil qu�mico da farinha extrusada de sorgo do gen�tipo BRS 305 por paper spray. <i>Research, Society and Development</i> , 2021, 10, e40710111414.	0.1	2
180	On-Surface Alcohol Oxidation Monitored by Paper Spray Mass Spectrometry: The Role of Ruthenium as Catalyst. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 2168-2174.	2.8	2

#	ARTICLE	IF	CITATIONS
181	Determination of Metal Associated with Proteins of Wheat Seed Samples After Sequential Extraction Procedure. <i>Journal of the Brazilian Chemical Society</i> , 2013, , .	0.6	2
182	DETERMINATION OF CHEMICAL PROFILE OF <i>Eugenia dysenterica</i> ICE CREAM USING PS-MS AND HS-SPME/GC-MS. <i>Quimica Nova</i> , 2020, , .	0.3	2
183	CG-MS/SPME as a Complimentary Tool to Histochemistry in the Study of the Influence of Water Regime on the Physiology of <i>Callistemon viminalis</i> . <i>Revista Virtual De Quimica</i> , 2020, 12, 981-992.	0.4	2
184	Profile of the volatile organic compounds of pink pepper and black pepper. <i>Scientific Electronic Archives</i> , 2021, 14, .	0.3	2
185	Influence of Harvest Time on the Chemical Profile of <i>Pereskia aculeate</i> Mill. Using Paper Spray Mass Spectrometry. <i>Molecules</i> , 2022, 27, 4276.	3.8	2
186	Exploring the intrinsic polar [4 π + 2π] cycloaddition reactivity of gaseous carbosulfonium and carboxonium ions. <i>Journal of Mass Spectrometry</i> , 2012, 47, 1526-1535.	1.6	1
187	Determina�o de Cu, Fe, Mn, Zn e do teor de prote�na total em amostras de trigo e soja ap�s procedimento de extra�o sequencial. <i>Quimica Nova</i> , 2012, 35, 1922-1926.	0.3	1
188	A Mesoporous SiO ₂ /� ³ -Fe ₂ O ₃ /KI Heterogeneous Magnetic Catalyst for the Green Synthesis of Biodiesel. <i>Journal of the Brazilian Chemical Society</i> , 2016, , .	0.6	1
189	AN�LISE METABOL�MICA E DETERMINA�O DA ATIVIDADE ANTIOXIDANTE DE GENGIBRE. , 0, , 261-277.		1
190	Unveiling the Zirconium and Hafnium Speciation in Fluoride�Nitric Acid Solutions by Paper Spray Ionization Mass Spectrometry Combined with DFT Calculations. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 1175-1185.	2.0	1
191	Utiliza�o de uma interface do tipo "particle beam" para a obten�o de espectros de massas de compostos pouco vol�teis em solu�o. <i>Quimica Nova</i> , 1998, 21, 655-656.	0.3	1
192	PCDD/Fs and PCBs in Soils: a Study of Case in the City of Belo Horizonte�MG. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	1
193	Gd-GLU toward NMR imaging: synthesis, characterization and breast cell uptake assay. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 0, 56, .	1.2	1
194	Analytical methods for assessing changes induced by gamma exposure in an animal model. <i>Revista Da Associa�o M�dica Brasileira</i> , 2020, 66, 1651-1656.	0.7	1
195	AN�LISE METABOL�MICA DE CAGAITAS UTILIZANDO A ESPECTROMETRIA DE MASSAS COM IONIZA�O POR PAPER SPRAY. , 0, , 25-41.		1
196	Preparation of Novel 1,2,3-Triazoles and a Comparative Study Involving Two Recent Methods for 1,2,3-Triazole Synthesis.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
197	DIRECT INFUSION ESI-MS APPLIED IN THE DETECTION OF BYPRODUCTS DUE TO REDUCTIVE DEGRADATION OF ACETAMIPRID BY ZERO-VALENT IRON. <i>Quimica Nova</i> , 2015, , .	0.3	0
198	�ole-catalyzed cycloadditions of the gaseous ionized nitrile N-oxides Ph-C N+O and CH ₃ C N+O with model dipolarophiles. <i>International Journal of Mass Spectrometry</i> , 2017, 418, 24-29.	1.5	0

#	ARTICLE	IF	CITATIONS
199	Use of Paper Spray Mass Spectrometry for Determining the Chemical Profile of Green Cavendish Banana (Musa AAA) Peel and Pulp Flours and Evaluation of Its Functional Potential. Journal of the Brazilian Chemical Society, 0, , .	0.6	0
200	Desenvolvimento e caracterizaçãõ do perfil de compostos voláteis de casquinha de sorvete produzida com farinha da casca e amãndoa de manga Tommy Atkins. Research, Society and Development, 2021, 10, e11310313006.	0.1	0
201	Análise comparativa do perfil de compostos orgânicos voláteis de pimenta rosa e de aroeira do sertão. Interaçãõ, 2021, 21, 187-200.	0.0	0
202	Análise quiral por espectrometria de massas através da utilizaçãõ do método cinético. Quimica Nova, 2006, 29, 351-357.	0.3	0
203	Application of a 33Box-Behnken Design to Optimize the Extraction of Eleven Fluoroquinolones from Poultry Muscle and Kidney Using a QuEChERS Approach via Liquid Chromatography Tandem Mass Spectrometry: the Easy Use of Microsoft Excel® in Multivariate Analysis. Journal of the Brazilian Chemical Society, 2015, , .	0.6	0
204	Influence of the Lipid Phase Removal on the Quantification of Cu, Fe and Zn Bound to Proteins from Golden Flaxseed (Linum usitatissimum L.). Journal of the Brazilian Chemical Society, 2015, , .	0.6	0
205	Volatile extraction from soybean plants infested with several herbivores. Científica, 2019, 47, 358.	0.2	0
206	In vivo Administration of Testosterone Propionate in Cattle Analyzed by High Performance Liquid Chromatography-Tandem Mass Spectrometry: An Enzymatic Hydrolysis Study and Drug Abuse Issues. Journal of the Brazilian Chemical Society, 0, , .	0.6	0
207	Caracterizaçãõ dos compostos voláteis do kiwi empregando-se HS-SPME/CG-MS. Research, Society and Development, 2020, 9, e55491110054.	0.1	0
208	Impact of Gamma Irradiation on Physicochemical, Technological, Antioxidant and Microbiology Properties of Whole Sorghum Flours. Journal of the Brazilian Chemical Society, 0, , .	0.6	0