

Jailson Bittencourt de Andrade

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/128973/publications.pdf>

Version: 2024-02-01

216
papers

23,973
citations

94433

37
h-index

9345

143
g-index

225
all docs

225
docs citations

225
times ranked

46101
citing authors

#	ARTICLE	IF	CITATIONS
1	Occurrence of the potent mutagens 2- nitrobenzanthrone and 3-nitrobenzanthrone in fine airborne particles. Scientific Reports, 2019, 9, 1.	3.3	17,835
2	Biodiesel: an overview. Journal of the Brazilian Chemical Society, 2005, 16, 1313-1330.	0.6	560
3	Statistical designs and response surface techniques for the optimization of chromatographic systems. Journal of Chromatography A, 2007, 1158, 2-14.	3.7	493
4	The Role of Additives for Diesel and Diesel Blended (Ethanol or Biodiesel) Fuels: A Review. Energy & Fuels, 2007, 21, 2433-2445.	5.1	415
5	Separation and preconcentration procedures for the determination of lead using spectrometric techniques: A review. Talanta, 2006, 69, 16-24.	5.5	213
6	Simultaneous Determination of Caffeine, Theobromine, and Theophylline by High-Performance Liquid Chromatography. Journal of Chromatographic Science, 2002, 40, 45-48.	1.4	133
7	Emission profile of 18 carbonyl compounds, CO, CO ₂ , and NO emitted by a diesel engine fuelled with diesel and ternary blends containing diesel, ethanol and biodiesel or vegetable oils. Atmospheric Environment, 2009, 43, 2754-2761.	4.1	125
8	Atmospheric chemistry of aldehydes: enhanced peroxyacetyl nitrate formation from ethanol-fueled vehicular emissions. Environmental Science & Technology, 1988, 22, 1026-1034.	10.0	118
9	Review of procedures involving separation and preconcentration for the determination of cadmium using spectrometric techniques. Journal of Hazardous Materials, 2007, 145, 358-367.	12.4	106
10	Development of a headspace solid-phase microextraction/gas chromatography-mass spectrometry method for determination of organophosphorus pesticide residues in cow milk. Microchemical Journal, 2011, 98, 56-61.	4.5	104
11	Development, validation and application of a SDME/GC-FID methodology for the multiresidue determination of organophosphate and pyrethroid pesticides in water. Talanta, 2009, 79, 1354-1359.	5.5	90
12	Determination of nineteen pesticides residues (organophosphates, organochlorine, pyrethroids,) TJ ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 2014, 112, 119-126.	4.5	85
13	Evaluation of the Formation and Stability of Hydroxyalkylsulfonic Acids in Wines. Journal of Agricultural and Food Chemistry, 2007, 55, 8670-8680.	5.2	84
14	Particulate pollutants in the Brazilian city of São Paulo: 1-year investigation for the chemical composition and source apportionment. Atmospheric Chemistry and Physics, 2017, 17, 11943-11969.	4.9	80
15	Carbonyl compounds emitted by a diesel engine fuelled with diesel and biodiesel-diesel blends: Sampling optimization and emissions profile. Atmospheric Environment, 2008, 42, 8211-8218.	4.1	79
16	Multivariate optimization and HS-SPME/GC-MS analysis of VOCs in red, yellow and purple varieties of Capsicum chinense sp. peppers. Microchemical Journal, 2006, 82, 142-149.	4.5	78
17	Atmospheric concentrations and dry deposition fluxes of particulate trace metals in Salvador, Bahia, Brazil. Atmospheric Environment, 2007, 41, 7837-7850.	4.1	74
18	Slow pyrolysis of different Brazilian waste biomasses as sources of soil conditioners and energy, and for environmental protection. Journal of Analytical and Applied Pyrolysis, 2015, 113, 434-443.	5.5	73

#	ARTICLE	IF	CITATIONS
19	Simultaneous determination of PAHS, nitro-PAHS and quinones in surface and groundwater samples using SDME/GC-MS. <i>Microchemical Journal</i> , 2017, 133, 431-440.	4.5	67
20	A SDME/GC-MS methodology for determination of organophosphate and pyrethroid pesticides in water. <i>Microchemical Journal</i> , 2011, 99, 303-308.	4.5	66
21	Carbonyl Products of the Gas-Phase Reaction of Ozone with Simple Alkenes. <i>Environmental Science & Technology</i> , 1996, 30, 975-983.	10.0	64
22	A simple, comprehensive, and miniaturized solvent extraction method for determination of particulate-phase polycyclic aromatic compounds in air. <i>Journal of Chromatography A</i> , 2016, 1435, 6-17.	3.7	62
23	Determination of formaldehyde in Brazilian alcohol fuels by flow-injection solid phase spectrophotometry. <i>Talanta</i> , 2004, 64, 711-715.	5.5	61
24	Redox activity and PAH content in size-classified nanoparticles emitted by a diesel engine fuelled with biodiesel and diesel blends. <i>Fuel</i> , 2014, 116, 490-497.	6.4	59
25	Acetaldehyde and formaldehyde concentrations from sites impacted by heavy-duty diesel vehicles and their correlation with the fuel composition: Diesel and diesel/biodiesel blends. <i>Fuel</i> , 2012, 92, 258-263.	6.4	57
26	Simultaneous determination of pesticide multiresidues in white wine and ros� wine by SDME/GC-MS. <i>Microchemical Journal</i> , 2015, 120, 69-76.	4.5	54
27	Multivariate optimisation of the experimental conditions for determination of three methylxanthines by reversed-phase high-performance liquid chromatography. <i>Talanta</i> , 2005, 67, 1007-1013.	5.5	53
28	Gas-phase ozonolysis of the monoterpenoids (-)(+)-carvone, (-)-(-)-carvone, (-)-(-)-carveol, geraniol and citral. <i>Atmospheric Environment</i> , 2005, 39, 7715-7730.	4.1	51
29	Determination of moisture content and water activity in algae and fish by thermoanalytical techniques. <i>Quimica Nova</i> , 2008, 31, 901-905.	0.3	51
30	Determination of methanol and ethanol by gas chromatography following air sampling onto florasil cartridges and their concentrations at urban sites in the three largest cities in Brazil. <i>Talanta</i> , 1999, 49, 245-252.	5.5	48
31	A sensitive flow analysis system for the fluorimetric determination of low levels of formaldehyde in alcoholic beverages. <i>Talanta</i> , 2007, 73, 561-566.	5.5	48
32	Solubilidade das subst�ncias org�nicas. <i>Quimica Nova</i> , 2013, 36, 1248-1255.	0.3	48
33	Discrimination of <i>Eugenia uniflora</i> L. biotypes based on volatile compounds in leaves using HS-SPME/GC-MS and chemometric analysis. <i>Microchemical Journal</i> , 2017, 130, 79-87.	4.5	48
34	Atmospheric levels of formaldehyde and acetaldehyde and their relationship with the vehicular fleet composition in Salvador, Bahia, Brazil. <i>Journal of the Brazilian Chemical Society</i> , 1998, 9, 219.	0.6	44
35	Inflammation response, oxidative stress and DNA damage caused by urban air pollution exposure increase in the lack of DNA repair XPC protein. <i>Environment International</i> , 2020, 145, 106150.	10.0	44
36	Spectrofluorimetric determination of formaldehyde in air after collection onto silica cartridges coated with Fluoral P. <i>Microchemical Journal</i> , 2004, 78, 15-20.	4.5	43

#	ARTICLE	IF	CITATIONS
37	Pesticides in fine airborne particles: from a green analysis method to atmospheric characterization and risk assessment. <i>Scientific Reports</i> , 2017, 7, 2267.	3.3	43
38	Fator de impacto de revistas científicas: qual o significado deste parâmetro?. <i>Química Nova</i> , 1999, 22, 448-453.	0.3	41
39	Compostos carbonáceos atmosféricos: fontes, reatividade, níveis de concentração e efeitos toxicológicos. <i>Química Nova</i> , 2002, 25, 1117-1131.	0.3	40
40	Determination of sulfur in coal using direct solid sampling and high-resolution continuum source molecular absorption spectrometry of the CS molecule in a graphite furnace. <i>Talanta</i> , 2013, 106, 368-374.	5.5	39
41	Assessment of the use of oxygenated fuels on emissions and performance of a diesel engine. <i>Microchemical Journal</i> , 2014, 117, 94-99.	4.5	39
42	Particle emission from heavy-duty engine fuelled with blended diesel and biodiesel. <i>Environmental Monitoring and Assessment</i> , 2012, 184, 2663-2676.	2.7	38
43	A chemical study of β -carotene oxidation by ozone in an organic model system and the identification of the resulting products. <i>Food Chemistry</i> , 2011, 126, 927-934.	8.2	37
44	A simple and sensitive UFLC-fluorescence method for endocrine disruptors determination in marine waters. <i>Talanta</i> , 2013, 117, 168-175.	5.5	35
45	An online preconcentration system for speciation analysis of arsenic in seawater by hydride generation flame atomic absorption spectrometry. <i>Microchemical Journal</i> , 2018, 143, 175-180.	4.5	35
46	Measurements of semivolatile and particulate polycyclic aromatic hydrocarbons in a bus station and an urban tunnel in Salvador, Brazil. <i>Journal of Environmental Monitoring</i> , 2002, 4, 558-561.	2.1	34
47	Sequential determination of Cd and Cr in biomass samples and their ashes using high-resolution continuum source graphite furnace atomic absorption spectrometry and direct solid sample analysis. <i>Talanta</i> , 2013, 115, 55-60.	5.5	34
48	A rapid low-consuming solvent extraction procedure for simultaneous determination of 34 multiclass pesticides associated to respirable atmospheric particulate matter (PM _{2.5}) by GC-MS. <i>Microchemical Journal</i> , 2018, 139, 424-436.	4.5	34
49	Determination of lead in biomass and products of the pyrolysis process by direct solid or liquid sample analysis using HR-CS GF AAS. <i>Talanta</i> , 2016, 146, 166-174.	5.5	33
50	Simple and effective dispersive micro-solid phase extraction procedure for simultaneous determination of polycyclic aromatic compounds in fresh and marine waters. <i>Talanta</i> , 2019, 204, 776-791.	5.5	32
51	Microplastic pollution in Southern Atlantic marine waters: Review of current trends, sources, and perspectives. <i>Science of the Total Environment</i> , 2021, 782, 146541.	8.0	31
52	Determination of formaldehyde by HPLC as the DNPH derivative following high-volume air sampling onto bisulfite-coated cellulose filters. <i>Atmospheric Environment Part A General Topics</i> , 1992, 26, 819-825.	1.3	30
53	Determination of Aldehydes in Fish by High-Performance Liquid Chromatography. <i>Journal of Chromatographic Science</i> , 2001, 39, 173-176.	1.4	30
54	Atmospheric particulate polycyclic aromatic hydrocarbons from road transport in southeast Brazil. <i>Transportation Research, Part D: Transport and Environment</i> , 2008, 13, 483-490.	6.8	30

#	ARTICLE	IF	CITATIONS
55	Development of an analytical approach for determination of total arsenic and arsenic (III) in airborne particulate matter by slurry sampling and HG-FAAS. <i>Microchemical Journal</i> , 2010, 96, 46-49.	4.5	30
56	Comparison of three different sample preparation procedures for the determination of traffic-related elements in airborne particulate matter collected on glass fiber filters. <i>Talanta</i> , 2012, 88, 689-695.	5.5	30
57	Major ions in PM2.5 and PM10 released from buses: The use of diesel/biodiesel fuels under real conditions. <i>Fuel</i> , 2014, 115, 109-117.	6.4	30
58	Identification of biomarkers in the hair of dogs: new diagnostic possibilities in the study and control of visceral leishmaniasis. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 6691-6700.	3.7	30
59	Methodology to examine polycyclic aromatic hydrocarbons (PAHs) nitrated PAHs and oxygenated PAHs in sediments of the Paraguaçu River (Bahia, Brazil). <i>Marine Pollution Bulletin</i> , 2018, 136, 248-256.	5.0	30
60	Characterization of Brazilian oil shale byproducts planned for use as soil conditioners for food and agro-energy production. <i>Journal of Analytical and Applied Pyrolysis</i> , 2011, 90, 112-117.	5.5	29
61	Upgrading from batch to continuous flow process for the pyrolysis of sugarcane bagasse: Structural characterization of the biochars produced. <i>Journal of Environmental Management</i> , 2021, 285, 112145.	7.8	29
62	The Formaldehyde and Acetaldehyde Content of Atmospheric Aerosol. <i>Journal of the Brazilian Chemical Society</i> , 1995, 6, 287-290.	0.6	29
63	Headspace solid phase microextraction/gas chromatography-mass spectrometry combined to chemometric analysis for volatile organic compounds determination in canine hair: A new tool to detect dog contamination by visceral leishmaniasis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 875, 392-398.	2.3	28
64	Quantification and source identification of atmospheric particulate polycyclic aromatic hydrocarbons and their dry deposition fluxes at three sites in Salvador Basin, Brazil, impacted by mobile and stationary sources. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, 680-692.	0.6	28
65	Analytical techniques for the determination of tryptamines and ð-carbolines in plant matrices and in psychoactive beverages consumed during religious ceremonies and neo-shamanic urban practices. <i>Drug Testing and Analysis</i> , 2012, 4, 636-648.	2.6	28
66	Rapid Quantitation of Ten Polycyclic Aromatic Hydrocarbons in Atmospheric Aerosols by Direct Hplc Separation After Ultrasonic Acetonitrile Extraction. <i>International Journal of Environmental Analytical Chemistry</i> , 1989, 35, 35-41.	3.3	26
67	ICP-AES determination of small amounts of zinc in copper-base alloys after separation by adsorption of the zinc-TAN complex on Sep Pak C18 cartridges. <i>Talanta</i> , 1998, 46, 1279-1283.	5.5	26
68	Determination of N,N-dimethyltryptamine in beverages consumed in religious practices by headspace solid-phase microextraction followed by gas chromatography ion trap mass spectrometry. <i>Talanta</i> , 2013, 106, 394-398.	5.5	26
69	Application of analytical methods for the structural characterization and purity assessment of N,N-dimethyltryptamine, a potent psychedelic agent isolated from <i>Mimosa tenuiflora</i> inner barks. <i>Microchemical Journal</i> , 2013, 109, 78-83.	4.5	26
70	Strontium mono-chloride ð A new molecule for the determination of chlorine using high-resolution graphite furnace molecular absorption spectrometry and direct solid sample analysis. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2014, 102, 1-6.	2.9	26
71	Sequential and simultaneous determination of four elements in soil samples using high-resolution continuum source graphite furnace atomic and molecular absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 1269-1277.	3.0	25
72	Determination of 16 Priority Polycyclic Aromatic Hydrocarbons in Particulate Matter by HRGC-MS after Extraction by Sonication.. <i>Analytical Sciences</i> , 2001, 17, 1229-1231.	1.6	24

#	ARTICLE	IF	CITATIONS
73	Determination of sulfur in crude oil using high-resolution continuum source molecular absorption spectrometry of the SnS molecule in a graphite furnace. <i>Talanta</i> , 2016, 146, 203-208.	5.5	24
74	Method development for the determination of bromine in coal using high-resolution continuum source graphite furnace molecular absorption spectrometry and direct solid sample analysis. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2014, 96, 33-39.	2.9	23
75	Synthesis, identification and thermal decomposition of double sulfites like $\text{Cu}_2\text{SO}_3 \cdot \text{MSO}_3 \cdot 2\text{H}_2\text{O}$ (M=Cu, Tj ETQg1 1 0.784314 rgB	2.7	22
76	A comprehensive and suitable method for determining major ions from atmospheric particulate matter matrices. <i>Journal of Chromatography A</i> , 2012, 1266, 17-23.	3.7	22
77	Fluorine determination in coal using high-resolution graphite furnace molecular absorption spectrometry and direct solid sample analysis. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2015, 105, 18-24.	2.9	22
78	Determination of chlorine in coal via the SrCl molecule using high-resolution graphite furnace molecular absorption spectrometry and direct solid sample analysis. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2015, 114, 46-50.	2.9	22
79	Historical records of mercury deposition in dated sediment cores reveal the impacts of the legacy and present-day human activities in Todos os Santos Bay, Northeast Brazil. <i>Marine Pollution Bulletin</i> , 2019, 145, 396-406.	5.0	22
80	Determination of carbonyl compounds in the atmosphere of charcoal plants by HPLC and UV detection. <i>Journal of Separation Science</i> , 2008, 31, 1686-1693.	2.5	21
81	Speciation analysis of inorganic antimony in airborne particulate matter employing slurry sampling and HG QT AAS. <i>Journal of Analytical Atomic Spectrometry</i> , 2011, 26, 1887.	3.0	20
82	Determination of N,N-dimethyltryptamine in <i>Mimosa tenuiflora</i> inner barks by matrix solid-phase dispersion procedure and GC-MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 881-882, 107-110.	2.3	20
83	Evaluation of thermal stability of quinones by thermal analysis techniques. <i>Thermochimica Acta</i> , 2012, 529, 1-5.	2.7	20
84	Pesticides in the atmospheric environment: an overview on their determination methodologies. <i>Analytical Methods</i> , 2018, 10, 4484-4504.	2.7	20
85	Determination of Carbonyl Compounds in Exhaust Gases from Alcohol-Fuelled Vehicles Equipped with Three-Way Catalytic Converters. <i>International Journal of Environmental Analytical Chemistry</i> , 1985, 21, 229-237.	3.3	19
86	Alcohol- and gasohol-fuels: a comparative chamber study of photochemical ozone formation. <i>Journal of the Brazilian Chemical Society</i> , 2004, 15, 646-651.	0.6	19
87	Investigation of spectral interferences in the determination of lead in fertilizers and limestone samples using high-resolution continuum source graphite furnace atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2014, 101, 213-219.	2.9	19
88	Investigation of chemical modifiers for the determination of cadmium and chromium in fish oil and lipid matrices using HR-CS GF AAS and a simple "dilute-and-shoot" approach. <i>Microchemical Journal</i> , 2017, 133, 175-181.	4.5	19
89	Desorptivity Versus Chemical Reactivity of Polycyclic Aromatic Hydrocarbons (PAHs) in Atmospheric Aerosols Collected on Quartz Fiber Filters. <i>International Journal of Environmental Analytical Chemistry</i> , 1986, 26, 265-278.	3.3	18
90	Determination of simple bromophenols in marine fishes by reverse-phase high performance liquid chromatography (RP-HPLC). <i>Talanta</i> , 2005, 68, 323-328.	5.5	17

#	ARTICLE	IF	CITATIONS
91	Simultaneous determination of Mo and Ni in wine and soil amendments by HR-CS GF AAS. <i>Analytical Methods</i> , 2014, 6, 4247-4256.	2.7	17
92	Attraction of phlebotomine sandflies to volatiles from skin odors of individuals residing in an endemic area of tegumentary leishmaniasis. <i>PLoS ONE</i> , 2018, 13, e0203989.	2.5	17
93	Determination Of Formaldehyde And Acetaldehyde Associated To Atmospheric Aerosols By HPLC. <i>International Journal of Environmental Analytical Chemistry</i> , 1993, 52, 49-56.	3.3	16
94	Multivariate optimization of a GC-MS method for determination of sixteen priority polycyclic aromatic hydrocarbons in environmental samples. <i>Journal of Separation Science</i> , 2008, 31, 1787-1796.	2.5	16
95	Physicochemical characteristics of ozonated sunflower oils obtained by different procedures. <i>Grasas Y Aceites</i> , 2012, 63, 466-474.	0.9	16
96	Volatile Organic Compounds Obtained by in Vitro Callus Cultivation of <i>Plectranthus ornatus</i> Codd. (Lamiaceae). <i>Molecules</i> , 2013, 18, 10320-10333.	3.8	16
97	Efeito da presença e concentração de compostos carbonílicos na qualidade de vinhos. <i>Química Nova</i> , 2007, 30, 1968-1975.	0.3	15
98	Atmospheric particle dry deposition of major ions to the South Atlantic coastal area observed at Baía de Todos os Santos, Brazil. <i>Anais Da Academia Brasileira De Ciencias</i> , 2014, 86, 37-55.	0.8	15
99	Determination of silicon in plant materials using direct solid sample analysis with high-resolution continuum source graphite furnace atomic absorption spectrometry. <i>Microchemical Journal</i> , 2016, 124, 380-385.	4.5	15
100	Customized dispersive micro-solid-phase extraction device combined with micro-desorption for the simultaneous determination of 39 multiclass pesticides in environmental water samples. <i>Journal of Chromatography A</i> , 2021, 1639, 461781.	3.7	15
101	Catalyst and Noncatalyst Exhaust Aldehydes Emissions from Brazilian Ethanol-Fueled Vehicles. <i>Journal of the Brazilian Chemical Society</i> , 1990, 1, 124-127.	0.6	15
102	Química atmosférica do enxofre (IV): emissões, reações em fase aquosa e impacto ambiental. <i>Química Nova</i> , 2002, 25, 259-272.	0.3	14
103	Isomorphic series of double sulfites of the Cu ₂ SO ₃ .MSO ₃ .2H ₂ O (M = Cu, Fe, Mn, and Cd) Type: a review. <i>Journal of the Brazilian Chemical Society</i> , 2004, 15, 170-177.	0.6	14
104	An Overview of the Rio de Janeiro Aerosol Characterization Study. <i>Japca</i> , 1987, 37, 15-23.	0.3	13
105	Spectrophotometric and inductively coupled plasma atomic emission spectrometric determination of titanium in ilmenites after rapid dissolution with phosphoric acid. <i>Talanta</i> , 1997, 44, 165-168.	5.5	13
106	Electrochemical reduction potentials of 1-nitropyrene, 9-nitroanthracene, 6-nitrochrysene and 3-nitrofluoranthene and their correlation with direct-acting mutagenicities. <i>Journal of the Brazilian Chemical Society</i> , 2005, 16, 1099-1103.	0.6	13
107	A liquid chromatographic method optimization for the assessment of low and high molar mass carbonyl compounds in wines. <i>Journal of Separation Science</i> , 2009, 32, 3432-3440.	2.5	13
108	Direct determination of quinones in fine atmospheric particulate matter by GC-MS. <i>Microchemical Journal</i> , 2015, 118, 26-31.	4.5	13

#	ARTICLE	IF	CITATIONS
109	Determination of silicon in biomass and products of pyrolysis process via high-resolution continuum source atomic absorption spectrometry. <i>Talanta</i> , 2018, 179, 828-835.	5.5	13
110	Microscale extraction combined with gas chromatography/mass spectrometry for the simultaneous determination of polycyclic aromatic hydrocarbons and polycyclic aromatic sulfur heterocycles in marine sediments. <i>Journal of Chromatography A</i> , 2021, 1653, 462414.	3.7	13
111	Multivariate optimization and validation of an analytical method for the determination of cadmium in wines employing ET AAS. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, 788-794.	0.6	12
112	Bromophenol concentrations in fish from Salvador, BA, Brazil. <i>Anais Da Academia Brasileira De Ciencias</i> , 2009, 81, 165-172.	0.8	12
113	Determination of copper in airborne particulate matter using slurry sampling and chemical vapor generation atomic absorption spectrometry. <i>Talanta</i> , 2014, 127, 140-145.	5.5	12
114	Spectrophotometric and derivative spectrophotometric determination of aluminium with Hydroxynaphthol Blue. <i>Talanta</i> , 1994, 41, 1631-1636.	5.5	11
115	Fontes, reatividade e quantificação de metanol e etanol na atmosfera. <i>Quimica Nova</i> , 1998, 21, 744-754.	0.3	11
116	Sampling techniques for the assessment of anthropogenic vapour and particulate mercury in the Brazilian Amazon atmosphere. <i>Journal of Environmental Monitoring</i> , 2000, 2, 325-328.	2.1	11
117	Determination of 11 Low-Molecular-Weight Carbonyl Compounds in Marine Algae by High-Performance Liquid Chromatography. <i>Journal of Chromatographic Science</i> , 2006, 44, 233-238.	1.4	11
118	Use of Cu ²⁺ as a metal ion probe for the EPR study of metal complexation sites in the double sulfite CuI 2SO ₃ .CdII SO ₃ .2H ₂ O. <i>Journal of the Brazilian Chemical Society</i> , 2007, 18, 607-610.	0.6	11
119	Particle-associated polycyclic aromatic hydrocarbons and their dry deposition fluxes from a bus-station in the Rio de Janeiro metropolitan area, Brazil. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, .	0.6	11
120	Investigation of spectral interference in the determination of Pb in road dust using high-resolution continuum source graphite furnace atomic absorption spectrometry and direct solid sample analysis. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 593-602.	3.0	11
121	Occurrence of 3-nitrobenzanthrone and other powerful mutagenic polycyclic aromatic compounds in living organisms: polychaetes. <i>Scientific Reports</i> , 2020, 10, 3465.	3.3	11
122	Evaluation of SARS-CoV-2 concentrations in wastewater and river water samples. <i>Case Studies in Chemical and Environmental Engineering</i> , 2022, 6, 100214.	6.1	11
123	Oxidation of sulfur (IV) by oxygen in aqueous solution: role of some metal ions. <i>Journal of the Brazilian Chemical Society</i> , 1999, 10, 453.	0.6	10
124	Influence of ultrasonic waves in the reduction of nitrate to nitrite by hydrazine–Cu(II). <i>Ultrasonics Sonochemistry</i> , 2007, 14, 275-280.	8.2	10
125	Optical properties of colloids formed in copper–tin sulfate solution containing Rhodamine B. <i>Journal of Alloys and Compounds</i> , 2009, 481, 654-658.	5.5	10
126	Determination of free- and bound-carbonyl compounds in airborne particles by ultra-fast liquid chromatography coupled to mass spectrometry. <i>Talanta</i> , 2020, 217, 121033.	5.5	10

#	ARTICLE	IF	CITATIONS
127	Method development using chemometric tools for determination of endocrine-disrupting chemicals in bottled mineral waters. Food Chemistry, 2022, 370, 131062.	8.2	10
128	QUALIS: Quo Vadis?. Quimica Nova, 2009, 32, 5-5.	0.3	10
129	Diretrizes curriculares para os cursos de química. Quimica Nova, 1999, 22, 454-461.	0.3	9
130	Validação de métodos cromatográficos de análise: um experimento de fácil aplicação utilizando cromatografia líquida de alta eficiência (CLAE) e os princípios da "Química Verde" na determinação de metilxantinas em bebidas. Quimica Nova, 2009, 32, 2476-2481.	0.3	9
131	Investigation of different chemical modifiers based on the Pd/Mg mixture for the determination of sulfur in shale oil by high-resolution continuum source graphite furnace molecular absorption spectrometry. Talanta, 2019, 204, 206-212.	5.5	9
132	Spectrophotometric and derivative spectrophotometric determination of nickel with hydroxynaphthol blue. Mikrochimica Acta, 1996, 122, 109-115.	5.0	8
133	Energy trends and the water-energy binomium for Brazil. Anais Da Academia Brasileira De Ciencias, 2015, 87, 569-594.	0.8	8
134	SOURCES, FORMATION, REACTIVITY AND DETERMINATION OF QUINONES IN THE ATMOSPHERE. Quimica Nova, 2016, , .	0.3	8
135	Determination of free and total sulfur(IV) compounds in coconut water using high-resolution continuum source molecular absorption spectrometry in gas phase. Talanta, 2018, 179, 810-815.	5.5	8
136	Determination and Profiling of Human Skin Odors Using Hair Samples. Molecules, 2019, 24, 2964.	3.8	8
137	Bromofenóis simples relacionados ao "flavor" de organismos marinhos. Quimica Nova, 2007, 30, 629-635.	0.3	8
138	Electronic Spectra of Chevrel's Salts. Journal of the Brazilian Chemical Society, 2002, 13, 624-628.	0.6	8
139	HS-SPME/GC-MS Analysis of VOC and Multivariate Techniques Applied to the Discrimination of Brazilian Varieties of Mango. American Journal of Analytical Chemistry, 2014, 05, 157-164.	0.9	8
140	Analytical advances and challenges for the determination of heterocyclic aromatic compounds (NSO-HET) in sediment: A review. TrAC - Trends in Analytical Chemistry, 2022, 150, 116586.	11.4	8
141	Characterization of the double sulfites Cu ₂ SO ₃ ·MSO ₃ ·2H ₂ O (M = Cu, Fe, Mn or Cd) by photothermal techniques. Physical Chemistry Chemical Physics, 2001, 3, 4800-4805.	2.8	7
142	Influence of sources and meteorology on surface concentrations of gases and aerosols in a coastal industrial complex. Journal of the Brazilian Chemical Society, 2009, 20, 214-221.	0.6	7
143	Investigations into the polymorphic properties of N,N-dimethyltryptamine by X-ray diffraction and differential scanning calorimetry. Microchemical Journal, 2013, 110, 146-157.	4.5	7
144	Química Sem Fronteiras: o desafio da energia. Quimica Nova, 2013, 36, 1540-1551.	0.3	7

#	ARTICLE	IF	CITATIONS
145	Determination of Cr, Cu and Pb in industrial waste of oil shale using high-resolution continuum source graphite furnace atomic absorption spectrometry and direct solid sample analysis. <i>Analytical Methods</i> , 2018, 10, 3645-3653.	2.7	7
146	A miniaturized simple binary solvent liquid phase microextraction (BS-LPME) procedure for pesticides multiresidues determination in red and ros� wines. <i>Microchemical Journal</i> , 2021, 167, 106306.	4.5	7
147	Air oxidation of mixed valence copper sulfite surfaces�an experimental model supporting the stability of sulfite species in airborne particles. <i>Atmospheric Environment</i> , 1986, 20, 1139-1143.	1.0	6
148	Por que todos os nitratos s�o sol�veis?. <i>Quimica Nova</i> , 2004, 27, 1016-1020.	0.3	6
149	Optical properties of the new potential infrared-detectors Cu(I)2SO3�M(II)SO3�2H2O (M=Cu, Fe, Mn, and) Tj ETQq1 1 0.784314 rgBT	2.6	6
150	A semi-continuous analyzer for the fluorimetric determination of atmospheric formaldehyde. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, 259-265.	0.6	6
151	Innovation in Biorefineries I. Production of Second Generation Ethanol from Elephant Grass (<i>Pennisetum purpureum</i>) and Sugarcane Bagasse (<i>Saccharum officinarum</i>). <i>Revista Virtual De Quimica</i> , 2017, 9, 4-14.	0.4	6
152	Exposure to carbonyl compounds in charcoal production plants in Bahia, Brazil. <i>Environmental Science and Pollution Research</i> , 2013, 20, 1565-1573.	5.3	5
153	Potential application of novel technology developed for instant decontamination of personal protective equipment before the doffing step. <i>PLoS ONE</i> , 2021, 16, e0250854.	2.5	5
154	Contamination at Todos os Santos Bay. <i>Revista Virtual De Quimica</i> , 2012, 4, .	0.4	5
155	Occurrence, sources, and risk assessment of unconventional polycyclic aromatic compounds in marine sediments from sandy beach intertidal zones. <i>Science of the Total Environment</i> , 2022, 810, 152019.	8.0	5
156	Nitric Acid-Air Diffusion Coefficient: Experimental Determination Using a Diffusion Cell. <i>International Journal of Environmental Analytical Chemistry</i> , 1992, 49, 103-109.	3.3	4
157	Influence of NO2 and metal ions on oxidation of aqueous-phase S(IV) in atmospheric concentrations. <i>Anais Da Academia Brasileira De Ciencias</i> , 2008, 80, 279-290.	0.8	4
158	Recursos humanos para novos cen�rios. <i>Quimica Nova</i> , 2009, 32, 567-570.	0.3	4
159	Critical Evaluation of Analytical Procedures for the Determination of Lead in Seawater. <i>Applied Spectroscopy Reviews</i> , 2012, 47, 633-653.	6.7	4
160	Determina��o de compostos carbonilados e carboxilados em derivados de petr�leo. <i>Quimica Nova</i> , 2012, 35, 1644-1656.	0.3	4
161	Exploratory analysis of the presence of 14 carbonyl compounds in bottled mineral water in polyethylene terephthalate (PET) containers. <i>Food Chemistry</i> , 2021, 365, 130475.	8.2	4
162	The Use of Phosphoric Acid in The Rapid Decomposition of Solid Samples Using Ordinary Glassware. <i>Analytical Letters</i> , 1994, 27, 229-244.	1.8	3

#	ARTICLE	IF	CITATIONS
163	A comparison study of aerosol emissions sources in two receptor sites in Salvador (Brazil) city. Toxicological and Environmental Chemistry, 1996, 54, 23-28.	1.2	3
164	Sulfitos duplos contendo cobre (I) e um metal de transição M(II) tipo $\text{Cu}_2\text{SO}_3 \cdot \text{M(II)SO}_3 \cdot 2\text{H}_2\text{O}$ [M(II) = Cu(II), Fe(II), Mn(II) e Cd(II)]: preparação e seletividade na incorporação de M(II). Química Nova, 1998, 21, 151.	0.3	3
165	Preparation, Characterization, and Selectivity Study of Mixed-Valence Sulfites. Journal of Chemical Education, 2010, 87, 530-532.	2.3	3
166	Evaluation of PAH contamination in soil treated with solid by-products from shale pyrolysis. Environmental Monitoring and Assessment, 2015, 187, 4123.	2.7	3
167	Química sem fronteiras. Química Nova, 2012, 35, 2092-2097.	0.3	3
168	Fernando Galembeck: 70 anos!. Química Nova, 2013, 36, 1-1.	0.3	3
169	Determination of 3-nitrobenzanthrone, its metabolites, and 41 polycyclic aromatic compounds (16) by HPLC-MS/MS. Journal of Chromatography B, 2014, 961, 107081.	4.5	3
170	A importância das revistas Química Nova e Journal of the Brazilian Chemical Society no crescimento da área de química no Brasil. Química Nova, 2007, 30, 1491-1497.	0.3	2
171	A separation system for lead fractionation in river water using electrothermal atomic absorption spectrometry. Journal of Analytical Atomic Spectrometry, 2013, 28, 156-160.	3.0	2
172	Water Challenges and Solutions for Brazil and South America. ACS Symposium Series, 2015, , 71-94.	0.5	2
173	Journal of the Brazilian Chemical Society (JBCS): 10 anos da criação e consolidação. Química Nova, 1997, 20, 81-85.	0.3	2
174	Eixos mobilizadores em química. Química Nova, 2003, 26, 445-451.	0.3	2
175	Todos os Santos Bay Research Program: Response to the Complexity of the Demands for Knowledge. Revista Virtual De Química, 2012, 4, .	0.4	2
176	Química no Brasil: perspectivas e necessidades para a próxima década - Documento básico. Química Nova, 2008, 31, S7-S10.	0.3	2
177	Determination of Volatile Organic Compounds in Groundwater by GC: Comparison Between Headspace and Purge and Trap. Energy Sources Part A Recovery, Utilization, and Environmental Effects, 1998, 20, 497-504.	0.5	1
178	A formação do Químico. Química Nova, 2004, 27, 358-362.	0.3	1
179	Research on analytical chemistry in Brazil: an overview. Microchemical Journal, 2004, 77, 101-106.	4.5	1
180	Sulfetos: por que nem todos são insolúveis?. Química Nova, 2010, 33, 2283-2286.	0.3	1

#	ARTICLE	IF	CITATIONS
181	Fine and Coarse Particle-Bound Mercury in (Bio)fuels and Biodiesel/Diesel Exhaust under Real World Circumstances. <i>Energy & Fuels</i> , 2020, 34, 16173-16180.	5.1	1
182	Assessment of the Physicochemical Quality Indicators and Microbiological Effects of Brazilian Ozonized Vegetable Oils. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	1
183	Determina��o de tra��os de Co e Co ₂ "em linha" por cromatografia em fase gasosa. <i>Quimica Nova</i> , 1998, 21, 481-483.	0.3	1
184	Journal of the Brazilian Chemical Society: an example of success in the Brazilian chemistry. <i>Journal of the Brazilian Chemical Society</i> , 2012, 23, 2131-2132.	0.6	1
185	Perspectives for Diagnosis and Control of Leishmaniasis Based on Volatile Organic Compounds. , 0, , .		1
186	A avalia��o por pares. <i>Quimica Nova</i> , 2005, 28, 939-939.	0.3	1
187	H�� futuro para as revistas das sociedades cient��ficas?. <i>Quimica Nova</i> , 2010, 33, 243-243.	0.3	1
188	Qu��mica Nova Interativa - QNInt - o portal do conhecimento da SBQ: conectando ci��ncia e educa��o. <i>Quimica Nova</i> , 2013, 36, 484-488.	0.3	1
189	Scientific Collaboration Networks of the "Energy and Environment INCT". <i>Revista Virtual De Quimica</i> , 2016, 8, 1234-1248.	0.4	1
190	Rea���es de ozon��lise de olefinas em fase gasosa. <i>Quimica Nova</i> , 2000, 23, 794-804.	0.3	0
191	Isomorphic Series of Double Sulfites of the Cu ₂ SO ₃ ��MSO ₃ ��2H ₂ O (M: Cu, Fe, Mn, and Cd) Type - A Review. <i>ChemInform</i> , 2005, 36, no-no.	0.0	0
192	Efeito da acidez e de modificadores org��nicos na determina��o de metilxantinas: um experimento de cromatografia liquida de alta efici��ncia (CLAE) empregando otimiza��o uni e multivariada. <i>Quimica Nova</i> , 2009, 32, 2482-2486.	0.3	0
193	Coopera��o internacional do Brasil em ci��ncia oce��nica. <i>Ci��ncia E Cultura</i> , 2021, 73, 12-15.	0.0	0
194	Qu��mica nova e JBCS: os peri��dicos de qu��mica de maior fator de impacto na Am��rica Latina. <i>Quimica Nova</i> , 2002, 25, 891-891.	0.3	0
195	Qual �� o perfil do profissional de qu��mica que est�� sendo formado? Esse �� o perfil de que a sociedade necessita?. <i>Quimica Nova</i> , 0, 28, S14-S17.	0.3	0
196	A contribui��o da SBQ �� p��s-gradua��o em qu��mica. <i>Quimica Nova</i> , 2007, 30, 1435-1438.	0.3	0
197	Editorial: think like a scientist and act like a teacher. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, 575-576.	0.6	0
198	Editorial: the dream is still alive.... <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, iv-iv.	0.6	0

#	ARTICLE	IF	CITATIONS
199	Bons exemplos de inclusão científica e tecnológica. Química Nova, 2009, 32, 1691-1691.	0.3	0
200	Homenagem da sociedade Brasileira de Química ao professor Hans Viertler. Química Nova, 2010, 33, 2013-2013.	0.3	0
201	Editorial: connecting science, technology and education. Journal of the Brazilian Chemical Society, 2010, 21, 1594-1594.	0.6	0
202	A química brasileira e a 4ª Conferência Nacional de Ciência, Tecnologia e Inovação. Journal of the Brazilian Chemical Society, 2010, 21, 191-191.	0.6	0
203	Especial Dedicado ao INCT de Energia & Ambiente. Revista Virtual De Química, 2011, 3, .	0.4	0
204	XXIX Congresso Latino Americano de Química. Journal of the Brazilian Chemical Society, 2011, 22, 2239-2240.	0.6	0
205	A Química, suas interfaces e a Baía de Todos os Santos, uma das muitas baías do Brasil. Revista Virtual De Química, 2012, 4, .	0.4	0
206	A sociedade brasileira de Química e o ano internacional da química. Journal of the Brazilian Chemical Society, 2012, 23, 373-374.	0.6	0
207	Química sem fronteiras. Química Nova, 2013, 36, 1481-1481.	0.3	0
208	Tribute of the SBQ and the JBCS to Professor Fernando Galembeck on his 70th birthday. Journal of the Brazilian Chemical Society, 2013, 24, 177-177.	0.6	0
209	A evolução da pós-graduação em química no Brasil. Química Nova, 1997, 20, 29-39.	0.3	0
210	A flexibilização da pós-graduação. Química Nova, 1999, 22, 163-163.	0.3	0
211	Avaliação, fomento e desequilíbrios regionais. Química Nova, 1999, 22, 637-637.	0.3	0
212	Matriz energética e o binômio Água vs. energia para o Brasil. Ciência E Cultura, 2014, 66, 4-5.	0.0	0
213	O OLHAR DE JANUS. Química Nova, 2015, , .	0.3	0
214	Use and Application of Photochemical Modeling to Predict the Formation of Tropospheric Ozone. Revista Virtual De Química, 2017, 9, 2082-2099.	0.4	0
215	Solubilidade e reatividade de gases. Química Nova, 0, , .	0.3	0
216	Determining Mercury in Sediment Samples by Extraction Using a Novel-Chelating Reagent Dithiothreitol (DTT) Followed by Cold Vapor Atomic Fluorescence Spectrometry (CV-AFS). Journal of the Brazilian Chemical Society, 0, , .	0.6	0