

Jailson Bittencourt de Andrade

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

175
papers

13,222
citations

35
h-index

113
g-index

225
ext. papers

16,189
ext. citations

3.3
avg, IF

7.89
L-index

#	Paper	IF	Citations
175	Determination of 3-nitrobenzanthrone, its metabolites, and 41 polycyclic aromatic compounds (16 PAHs, 19 nitro-PAHs, and 6 oxy-PAHs) in ascidians (<i>Phallusia nigra</i>). <i>Microchemical Journal</i> , 2022 , 174, 107081	4.8	0
174	Method development using chemometric tools for determination of endocrine-disrupting chemicals in bottled mineral waters. <i>Food Chemistry</i> , 2022 , 370, 131062	8.5	1
173	Analytical advances and challenges for the determination of heterocyclic aromatic compounds (NSO-HET) in sediment: A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2022 , 150, 116586	14.6	0
172	Evaluation of SARS-CoV-2 concentrations in wastewater and river water samples. <i>Case Studies in Chemical and Environmental Engineering</i> , 2022 , 6, 100214	7.5	1
171	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> , 2021 , 810, 152019	10.2	2
170	Cooperação internacional do Brasil em ciência oceânica. <i>Ciência E Cultura</i> , 2021 , 73, 12-15	0.3	
169	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	7.9	9
168	Potential application of novel technology developed for instant decontamination of personal protective equipment before the doffing step. <i>PLoS ONE</i> , 2021 , 16, e0250854	3.7	1
167	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	4.5	9
166	A miniaturized simple binary solvent liquid phase microextraction (BS-LPME) procedure for pesticides multiresidues determination in red and rosé wines. <i>Microchemical Journal</i> , 2021 , 167, 106306	4.8	2
165	Microplastic pollution in Southern Atlantic marine waters: Review of current trends, sources, and perspectives. <i>Science of the Total Environment</i> , 2021 , 782, 146541	10.2	12
164	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	4.5	5
163	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	8.5	2
162	Occurrence of 3-nitrobenzanthrone and other powerful mutagenic polycyclic aromatic compounds in living organisms: polychaetes. <i>Scientific Reports</i> , 2020 , 10, 3465	4.9	4
161	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	6.2	3
160	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	12.9	18
159	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	4.1	0

158	Determination and Profiling of Human Skin Odors Using Hair Samples. <i>Molecules</i> , 2019 , 24,	4.8	2
157	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	6.2	19
156	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	6.7	8
155	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. <i>Talanta</i> , 2019 , 204, 206-212	6.2	8
154	Occurrence of the potent mutagens 2- nitrobenzanthrone and 3-nitrobenzanthrone in fine airborne particles. <i>Scientific Reports</i> , 2019 , 9, 1	4.9	8327
153	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	3.7	11
152	Determination of free and total sulfur(IV) compounds in coconut water using high-resolution continuum source molecular absorption spectrometry in gas phase. <i>Talanta</i> , 2018 , 179, 810-815	6.2	7
151	A rapid low-consuming solvent extraction procedure for simultaneous determination of 34 multiclass pesticides associated to respirable atmospheric particulate matter (PM2.5) by GC-MS. <i>Microchemical Journal</i> , 2018 , 139, 424-436	4.8	23
150	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	3.2	4
149	Pesticides in the atmospheric environment: an overview on their determination methodologies. <i>Analytical Methods</i> , 2018 , 10, 4484-4504	3.2	14
148	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	4.8	24
147	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	6.2	10
146	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	3.7	11
145	Methodology to examine polycyclic aromatic hydrocarbons (PAHs) nitrated PAHs and oxygenated PAHs in sediments of the Paraguaı́ River (Bahia, Brazil). <i>Marine Pollution Bulletin</i> , 2018 , 136, 248-256	6.7	16
144	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	4.8	55
143	Pesticides in fine airborne particles: from a green analysis method to atmospheric characterization and risk assessment. <i>Scientific Reports</i> , 2017 , 7, 2267	4.9	30
142	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	4.8	13
141	Airborne particles in the Brazilian city of Săo Paulo: One-year investigation for the chemical composition and source apportionment 2017 ,		2

140	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	4.8	36
139	Particulate pollutants in the Brazilian city of São Paulo: 1-year investigation for the chemical composition and source apportionment. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 11943-11969	6.8	52
138	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	1.3	5
137	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, 166-74	6.2	25
136	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	4.8	15
135	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, 203-8	6.2	22
134	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	4.5	41
133	SOURCES, FORMATION, REACTIVITY AND DETERMINATION OF QUINONES IN THE ATMOSPHERE. <i>Quimica Nova</i> , 2016 ,	1.6	3
132	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	3.7	22
131	Evaluation of PAH contamination in soil treated with solid by-products from shale pyrolysis. <i>Environmental Monitoring and Assessment</i> , 2015 , 187, 4123	3.1	2
130	Slow pyrolysis of different Brazilian waste biomasses as sources of soil conditioners and energy, and for environmental protection. <i>Journal of Analytical and Applied Pyrolysis</i> , 2015 , 113, 434-443	6	56
129	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	3.1	21
128	Direct determination of quinones in fine atmospheric particulate matter by GC-MS. <i>Microchemical Journal</i> , 2015 , 118, 26-31	4.8	11
127	Energy trends and the water-energy binomium for Brazil. <i>Anais Da Academia Brasileira De Ciencias</i> , 2015 , 87, 569-94	1.4	7
126	Water Challenges and Solutions for Brazil and South America. <i>ACS Symposium Series</i> , 2015 , 71-94	0.4	1
125	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	3.1	21
124	Simultaneous determination of pesticide multiresidues in white wine and ros`wine by SDME/GC-MS. <i>Microchemical Journal</i> , 2015 , 120, 69-76	4.8	49
123	Determination of nineteen pesticides residues (organophosphates, organochlorine, pyrethroids, carbamate, thiocarbamate and strobilurin) in coconut water by SDME/GC-MS. <i>Microchemical Journal</i> , 2014 , 112, 119-126	4.8	73

122	Strontium mono-chloride – 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	3.1	26
121	Simultaneous determination of Mo and Ni in wine and soil amendments by HR-CS GF AAS. <i>Analytical Methods</i> , 2014 , 6, 4247-4256	3.2	14
120	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	3.1	19
119	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, 6691-700	4.4	23
118	Assessment of the use of oxygenated fuels on emissions and performance of a diesel engine. <i>Microchemical Journal</i> , 2014 , 117, 94-99	4.8	30
117	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	7.1	45
116	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	3.1	21
115	Determination of copper in airborne particulate matter using slurry sampling and chemical vapor generation atomic absorption spectrometry. <i>Talanta</i> , 2014 , 127, 140-5	6.2	9
114	Atmospheric particle dry deposition of major ions to the South Atlantic coastal area observed at Bañ de Todos os Santos, Brazil. <i>Anais Da Academia Brasileira De Ciencias</i> , 2014 , 86, 37-55	1.4	11
113	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	7.1	25
112	HS-SPME/GC-MS Analysis of VOC and Multivariate Techniques Applied to the Discrimination of Brazilian Varieties of Mango. <i>American Journal of Analytical Chemistry</i> , 2014 , 05, 157-164	0.7	7
111	Matriz energética e o bônus água vs. energia para o Brasil. <i>Ciência E Cultura</i> , 2014 , 66, 4-5	0.3	
110	Exposure to carbonyl compounds in charcoal production plants in Bahia, Brazil. <i>Environmental Science and Pollution Research</i> , 2013 , 20, 1565-73	5.1	4
109	Volatile organic compounds obtained by in vitro callus cultivation of <i>Plectranthus ornatus</i> Codd. (Lamiaceae). <i>Molecules</i> , 2013 , 18, 10320-33	4.8	13
108	A separation system for lead fractionation in river water using electrothermal atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2013 , 28, 156-160	3.7	2
107	A simple and sensitive UFLC-fluorescence method for endocrine disrupters determination in marine waters. <i>Talanta</i> , 2013 , 117, 168-75	6.2	30
106	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, 368-74	6.2	36
105	Investigations into the polymorphic properties of N,N-dimethyltryptamine by X-ray diffraction and differential scanning calorimetry. <i>Microchemical Journal</i> , 2013 , 110, 146-157	4.8	4

104	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, 394-8	6.2	22
103	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	6.2	33
102	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	4.8	20
101	Química Sem Fronteiras: o desafio da energia. <i>Química Nova</i> , 2013 , 36, 1540-1551	1.6	6
100	Solubilidade das substâncias orgânicas. <i>Química Nova</i> , 2013 , 36, 1248-1255	1.6	26
99	Evaluation of thermal stability of quinones by thermal analysis techniques. <i>Thermochimica Acta</i> , 2012 , 529, 1-5	2.9	12
98	A comprehensive and suitable method for determining major ions from atmospheric particulate matter matrices. <i>Journal of Chromatography A</i> , 2012 , 1266, 17-23	4.5	18
97	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, 689-95	6.2	24
96	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, 107-10	3.2	16
95	Determinação de compostos carbonilados e carboxilados em derivados de petróleo. <i>Química Nova</i> , 2012 , 35, 1644-1656	1.6	3
94	Analytical techniques for the determination of tryptamines and ß-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, 636-48	3.5	22
93	Particle emission from heavy-duty engine fuelled with blended diesel and biodiesel. <i>Environmental Monitoring and Assessment</i> , 2012 , 184, 2663-76	3.1	32
92	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	7.1	46
91	Physicochemical characteristics of ozonated sunflower oils obtained by different procedures. <i>Grasas Y Aceites</i> , 2012 , 63, 466-474	1.3	11
90	Critical Evaluation of Analytical Procedures for the Determination of Lead in Seawater. <i>Applied Spectroscopy Reviews</i> , 2012 , 47, 633-653	4.5	3
89	Todos os Santos Bay Research Program: Response to the Complexity of the Demands for Knowledge. <i>Revista Virtual De Química</i> , 2012 , 4,	1.3	2
88	Contamination at Todos os Santos Bay. <i>Revista Virtual De Química</i> , 2012 , 4,	1.3	4
87	A SDME/GC-MS methodology for determination of organophosphate and pyrethroid pesticides in water. <i>Microchemical Journal</i> , 2011 , 99, 303-308	4.8	59

86	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	8.5	27
85	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	3.7	19
84	Development of a headspace solid-phase microextraction/gas chromatography-mass spectrometry method for determination of organophosphorus pesticide residues in cow milk. <i>Microchemical Journal</i> , 2011 , 98, 56-61	4.8	87
83	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	6	24
82	Preparation, Characterization, and Selectivity Study of Mixed-Valence Sulfites. <i>Journal of Chemical Education</i> , 2010 , 87, 530-532	2.4	3
81	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	4.8	29
80	Validao de mtodos cromatogrficos de anlise: um experimento de fcil aplicao utilizando cromatografia lquida de alta eficincia (CLAE) e os princpios da "Qumica Verde" na determinao de metilxantinas em bebidas. <i>Qumica Nova</i> , 2009 , 32, 2476-2481	1.6	6
79	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	1.5	24
78	Influence of sources and meteorology on surface concentrations of gases and aerosols in a coastal industrial complex. <i>Journal of the Brazilian Chemical Society</i> , 2009 , 20, 214-221	1.5	4
77	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,	1.5	7
76	Bromophenol concentrations in fish from Salvador, BA, Brazil. <i>Anais Da Academia Brasileira De Ciencias</i> , 2009 , 81, 165-72	1.4	9
75	Emission profile of 18 carbonyl compounds, CO, CO ₂ , and NO _x emitted by a diesel engine fuelled with diesel and ternary blends containing diesel, ethanol and biodiesel or vegetable oils. <i>Atmospheric Environment</i> , 2009 , 43, 2754-2761	5.3	104
74	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, 3432-40	3.4	12
73	Development, validation and application of a SDME/GC-FID methodology for the multiresidue determination of organophosphate and pyrethroid pesticides in water. <i>Talanta</i> , 2009 , 79, 1354-9	6.2	82
72	Optical properties of colloids formed in copper(II) sulfate solution containing Rhodamine B. <i>Journal of Alloys and Compounds</i> , 2009 , 481, 654-658	5.7	9
71	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	1.5	9
70	QUALIS: Quo Vadis?. <i>Qumica Nova</i> , 2009 , 32, 5-5	1.6	4
69	A semi-continuous analyzer for the fluorimetric determination of atmospheric formaldehyde. <i>Journal of the Brazilian Chemical Society</i> , 2009 , 20, 259-265	1.5	5

68	Carbonyl compounds emitted by a diesel engine fuelled with diesel and biodiesel blends: Sampling optimization and emissions profile. <i>Atmospheric Environment</i> , 2008 , 42, 8211-8218	5.3	72
67	Atmospheric particulate polycyclic aromatic hydrocarbons from road transport in southeast Brazil. <i>Transportation Research, Part D: Transport and Environment</i> , 2008 , 13, 483-490	6.4	23
66	Influence of NO ₂ and metal ions on oxidation of aqueous-phase S(IV) in atmospheric concentrations. <i>Anais Da Academia Brasileira De Ciencias</i> , 2008 , 80, 279-90	1.4	4
65	Determination of moisture content and water activity in algae and fish by thermoanalytical techniques. <i>Quimica Nova</i> , 2008 , 31, 901-905	1.6	41
64	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, 392-8	3.2	22
63	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, 1787-96	3.4	13
62	Determination of carbonyl compounds in the atmosphere of charcoal plants by HPLC and UV detection. <i>Journal of Separation Science</i> , 2008 , 31, 1686-93	3.4	17
61	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	1.5	10
60	Efeito da presença e concentração de compostos carbonílicos na qualidade de vinhos. <i>Quimica Nova</i> , 2007 , 30, 1968-1975	1.6	13
59	Influence of ultrasonic waves in the reduction of nitrate to nitrite by hydrazine-Cu(II). <i>Ultrasonics Sonochemistry</i> , 2007 , 14, 275-80	8.9	9
58	Optical properties of the new potential infrared-detectors Cu(I)2SO ₃ ·M(II)SO ₃ ·2H ₂ O (M=Cu, Fe, Mn, and Cd) series and the influence of M(II) exchange. <i>Chemical Physics Letters</i> , 2007 , 442, 84-88	2.5	5
57	Statistical designs and response surface techniques for the optimization of chromatographic systems. <i>Journal of Chromatography A</i> , 2007 , 1158, 2-14	4.5	439
56	Review of procedures involving separation and preconcentration for the determination of cadmium using spectrometric techniques. <i>Journal of Hazardous Materials</i> , 2007 , 145, 358-67	12.8	91
55	Atmospheric concentrations and dry deposition fluxes of particulate trace metals in Salvador, Bahia, Brazil. <i>Atmospheric Environment</i> , 2007 , 41, 7837-7850	5.3	62
54	A sensitive flow analysis system for the fluorimetric determination of low levels of formaldehyde in alcoholic beverages. <i>Talanta</i> , 2007 , 73, 561-6	6.2	37
53	The Role of Additives for Diesel and Diesel Blended (Ethanol or Biodiesel) Fuels: A Review. <i>Energy & Fuels</i> , 2007 , 21, 2433-2445	4.1	357
52	Evaluation of the formation and stability of hydroxyalkylsulfonic acids in wines. <i>Journal of Agricultural and Food Chemistry</i> , 2007 , 55, 8670-80	5.7	70
51	Bromofenóis simples relacionados ao "flavor" de organismos marinhos. <i>Quimica Nova</i> , 2007 , 30, 629-635	1.6	7

50	Determination of 11 low-molecular-weight carbonyl compounds in marine algae by high-performance liquid chromatography. <i>Journal of Chromatographic Science</i> , 2006 , 44, 233-8	1.4	10
49	Separation and preconcentration procedures for the determination of lead using spectrometric techniques: a review. <i>Talanta</i> , 2006 , 69, 16-24	6.2	186
48	Multivariate optimization and HS-SPME/GC-MS analysis of VOCs in red, yellow and purple varieties of <i>Capsicum chinense</i> sp. peppers. <i>Microchemical Journal</i> , 2006 , 82, 142-149	4.8	64
47	Multivariate optimisation of the experimental conditions for determination of three methylxanthines by reversed-phase high-performance liquid chromatography. <i>Talanta</i> , 2005 , 67, 1007-13	6.2	49
46	Determination of simple bromophenols in marine fishes by reverse-phase high performance liquid chromatography (RP-HPLC). <i>Talanta</i> , 2005 , 68, 323-8	6.2	11
45	Biodiesel: an overview. <i>Journal of the Brazilian Chemical Society</i> , 2005 , 16, 1313-1330	1.5	436
44	Gas-phase ozonolysis of the monoterpenoids (-)-(+)-carvone, (-)-(α)-carvone, (α)-carveol, geraniol and citral. <i>Atmospheric Environment</i> , 2005 , 39, 7715-7730	5.3	47
43	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	1.5	11
42	Alcohol- and gasohol-fuels: a comparative chamber study of photochemical ozone formation. <i>Journal of the Brazilian Chemical Society</i> , 2004 , 15, 646-651	1.5	14
41	Isomorphic series of double sulfites of the $\text{Cu}_2\text{SO}_3 \cdot \text{MSO}_3 \cdot 2\text{H}_2\text{O}$ (M = Cu, Fe, Mn, and Cd) Type: a review. <i>Journal of the Brazilian Chemical Society</i> , 2004 , 15, 170-177	1.5	13
40	Por que todos os nitratos sã solúveis?. <i>Quimica Nova</i> , 2004 , 27, 1016-1020	1.6	3
39	Research on analytical chemistry in Brazil: an overview. <i>Microchemical Journal</i> , 2004 , 77, 101-106	4.8	1
38	Spectrofluorimetric determination of formaldehyde in air after collection onto silica cartridges coated with Fluoral P. <i>Microchemical Journal</i> , 2004 , 78, 15-20	4.8	36
37	Determination of formaldehyde in Brazilian alcohol fuels by flow-injection solid phase spectrophotometry. <i>Talanta</i> , 2004 , 64, 711-5	6.2	47
36	Química atmosférica do enxofre (IV): emissões, reações em fase aquosa e impacto ambiental. <i>Quimica Nova</i> , 2002 , 25, 259-272	1.6	5
35	Simultaneous determination of caffeine, theobromine, and theophylline by high-performance liquid chromatography. <i>Journal of Chromatographic Science</i> , 2002 , 40, 45-8	1.4	106
34	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, 558-61		30
33	Compostos carbonílicos atmosféricos: fontes, reatividade, níveis de concentração e efeitos toxicológicos. <i>Quimica Nova</i> , 2002 , 25, 1117-1131	1.6	29

32	Electronic Spectra of Chevrel's Salts. <i>Journal of the Brazilian Chemical Society</i> , 2002 , 13, 624-628	1.5	6
31	Determination of 16 priority polycyclic aromatic hydrocarbons in particulate matter by HRGC-MS after extraction by sonication. <i>Analytical Sciences</i> , 2001 , 17, 1229-31	1.7	18
30	Determination of aldehydes in fish by high-performance liquid chromatography. <i>Journal of Chromatographic Science</i> , 2001 , 39, 173-6	1.4	25
29	Characterization of the double sulfites $\text{Cu}_2\text{SO}_3 \cdot \text{M}(\text{II})\text{SO}_3 \cdot 2\text{H}_2\text{O}$ (M = Cu, Fe, Mn or Cd) by photothermal techniques. <i>Physical Chemistry Chemical Physics</i> , 2001 , 3, 4800-4805	3.6	7
28	Synthesis, identification and thermal decomposition of double sulfites like $\text{Cu}_2\text{SO}_3 \cdot \text{M}(\text{II})\text{SO}_3 \cdot 2\text{H}_2\text{O}$ (M=Cu, Fe, Mn or Cd). <i>Thermochimica Acta</i> , 2000 , 360, 17-27	2.9	17
27	Sampling techniques for the assessment of anthropogenic vapour and particulate mercury in the Brazilian Amazon atmosphere. <i>Journal of Environmental Monitoring</i> , 2000 , 2, 325-8		7
26	Diretrizes curriculares para os cursos de química. <i>Química Nova</i> , 1999 , 22, 454-461	1.6	5
25	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	1.5	10
24	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, 245-52	6.2	44
23	Fator de impacto de revistas científicas: qual o significado deste parâmetro?. <i>Química Nova</i> , 1999 , 22, 448-453	1.6	24
22	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, 1279-83	6.2	18
21	Determination of Volatile Organic Compounds in Groundwater by GC: Comparison Between Headspace and Purge and Trap. <i>Energy Sources Part A Recovery, Utilization, and Environmental Effects</i> , 1998 , 20, 497-504		
20	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	1.5	37
19	Fontes, reatividade e quantificação de metanol e etanol na atmosfera. <i>Química Nova</i> , 1998 , 21, 744-754	1.6	9
18	Sulfitos duplos contendo cobre (I) e um metal de transição M(II) tipo $\text{Cu}_2\text{SO}_3 \cdot \text{M}(\text{II})\text{SO}_3 \cdot 2\text{H}_2\text{O}$ [M(II) = Cu(II), Fe(II), Mn(II) e Cd(II)]: preparação e seletividade na incorporação de M(II). <i>Química Nova</i> , 1998 , 21, 151	1.6	3
17	Spectrophotometric and inductively coupled plasma atomic emission spectrometric determination of titanium in ilmenites after rapid dissolution with phosphoric acid. <i>Talanta</i> , 1997 , 44, 165-8	6.2	10
16	Carbonyl Products of the Gas-Phase Reaction of Ozone with Simple Alkenes. <i>Environmental Science & Technology</i> , 1996 , 30, 975-983	10.3	57
15	Spectrophotometric and derivative spectrophotometric determination of nickel with hydroxynaphthol blue. <i>Mikrochimica Acta</i> , 1996 , 122, 109-115	5.8	6

14	A comparison study of aerosol emissions sources in two receptor sites in Salvador (Brazil) city. <i>Toxicological and Environmental Chemistry</i> , 1996 , 54, 23-28	1.4	2
13	The Formaldehyde and Acetaldehyde Content of Atmospheric Aerosol. <i>Journal of the Brazilian Chemical Society</i> , 1995 , 6, 287-290	1.5	25
12	The Use of Phosphoric Acid in The Rapid Decomposition of Solid Samples Using Ordinary Glassware. <i>Analytical Letters</i> , 1994 , 27, 229-244	2.2	1
11	Spectrophotometric and derivative spectrophotometric determination of aluminium with Hydroxynaphthol Blue. <i>Talanta</i> , 1994 , 41, 1631-6	6.2	8
10	Determination Of Formaldehyde And Acetaldehyde Associated To Atmospheric Aerosols By HPLC. <i>International Journal of Environmental Analytical Chemistry</i> , 1993 , 52, 49-56	1.8	14
9	Nitric Acid-Air Diffusion Coefficient: Experimental Determination Using a Diffusion Cell. <i>International Journal of Environmental Analytical Chemistry</i> , 1992 , 49, 103-109	1.8	4
8	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		29
7	Catalyst and Noncatalyst Exhaust Aldehydes Emissions from Brazilian Ethanol-Fueled Vehicles. <i>Journal of the Brazilian Chemical Society</i> , 1990 , 1, 124-127	1.5	14
6	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	1.8	21
5	Atmospheric chemistry of aldehydes: enhanced peroxyacetyl nitrate formation from ethanol-fueled vehicular emissions. <i>Environmental Science & Technology</i> , 1988 , 22, 1026-34	10.3	106
4	An overview of the Rio de Janeiro Aerosol Characterization Study. <i>Japca</i> , 1987 , 37, 15-23		4
3	Air oxidation of mixed valence copper sulfite surfaces—experimental model supporting the stability of sulfite species in airborne particles. <i>Atmospheric Environment</i> , 1986 , 20, 1139-1143		6
2	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, 265-78	1.8	14
1	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	1.8	13