

Jailson Bittencourt de Andrade

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225
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16,189
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#	Paper	IF	Citations
175	Occurrence of the potent mutagens 2- nitrobenzanthrone and 3-nitrobenzanthrone in fine airborne particles. <i>Scientific Reports</i> , 2019 , 9, 1	4.9	8327
174	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
173	Biodiesel: an overview. <i>Journal of the Brazilian Chemical Society</i> , 2005 , 16, 1313-1330	1.5	436
172	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
171	Separation and preconcentration procedures for the determination of lead using spectrometric techniques: a review. <i>Talanta</i> , 2006 , 69, 16-24	6.2	186
170	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
169	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
168	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
167	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
166	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
165	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
164	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
163	Carbonyl compounds emitted by a diesel engine fuelled with diesel and biodiesel-diesel blends: Sampling optimization and emissions profile. <i>Atmospheric Environment</i> , 2008 , 42, 8211-8218	5.3	72
162	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
161	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
160	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
159	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

158	Carbonyl Products of the Gas-Phase Reaction of Ozone with Simple Alkenes. <i>Environmental Science & Technology</i> , 1996 , 30, 975-983	10.3	57
157	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
156	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
155	Particulate pollutants in the Brazilian city of Sã Paulo: 1-year investigation for the chemical composition and source apportionment. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 11943-11969	6.8	52
154	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
153	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
152	Determination of formaldehyde in Brazilian alcohol fuels by flow-injection solid phase spectrophotometry. <i>Talanta</i> , 2004 , 64, 711-5	6.2	47
151	Gas-phase ozonolysis of the monoterpenoids (-)(+)-carvone, (-)-(β)-carvone, (β)-carveol, geraniol and citral. <i>Atmospheric Environment</i> , 2005 , 39, 7715-7730	5.3	47
150	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
149	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
148	Determination of methanol and ethanol by gas chromatography following air sampling onto florisol cartridges and their concentrations at urban sites in the three largest cities in Brazil. <i>Talanta</i> , 1999 , 49, 245-52	6.2	44
147	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
146	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
145	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
144	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
143	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
142	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
141	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

140	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
139	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
138	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
137	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
136	A simple and sensitive UFLC-fluorescence method for endocrine disrupters determination in marine waters. <i>Talanta</i> , 2013 , 117, 168-75	6.2	30
135	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
134	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
133	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
132	Compostos carbonícos atmosféricos: fontes, reatividade, níveis de concentração e efeitos toxicológicos. <i>Química Nova</i> , 2002 , 25, 1117-1131	1.6	29
131	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
130	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
129	Solubilidade das substâncias orgânicas. <i>Química Nova</i> , 2013 , 36, 1248-1255	1.6	26
128	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
127	Major ions in PM _{2.5} and PM ₁₀ released from buses: The use of diesel/biodiesel fuels under real conditions. <i>Fuel</i> , 2014 , 115, 109-117	7.1	25
126	Determination of aldehydes in fish by high-performance liquid chromatography. <i>Journal of Chromatographic Science</i> , 2001 , 39, 173-6	1.4	25
125	The Formaldehyde and Acetaldehyde Content of Atmospheric Aerosol. <i>Journal of the Brazilian Chemical Society</i> , 1995 , 6, 287-290	1.5	25
124	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
123	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

122	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
121	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
120	Fator de impacto de revistas científicas: qual o significado deste parâmetro?. <i>Quimica Nova</i> , 1999 , 22, 448-453	1.6	24
119	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	4.8	23
118	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
117	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
116	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
115	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
114	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
113	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 Techniques in the Biosciences and Life Sciences</i> , 2009 , 875, 200-9	3.2	22
112	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
111	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
110	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
109	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
108	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
107	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
106	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
105	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

104	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
103	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
102	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
101	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
100	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
99	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
98	Synthesis, identification and thermal decomposition of double sulfites like $\text{Cu}_2\text{SO}_3 \cdot \text{M}(\text{SO}_3)_2 \cdot \text{H}_2\text{O}$ (M=Cu, Fe, Mn or Cd). <i>Thermochimica Acta</i> , 2000 , 360, 17-27	2.9	17
97	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
96	Methodology to examine polycyclic aromatic hydrocarbons (PAHs) nitrated PAHs and oxygenated PAHs in sediments of the Paragua River (Bahia, Brazil). <i>Marine Pollution Bulletin</i> , 2018 , 136, 248-256	6.7	16
95	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
94	Pesticides in the atmospheric environment: an overview on their determination methodologies. <i>Analytical Methods</i> , 2018 , 10, 4484-4504	3.2	14
93	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
92	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
91	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
90	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
89	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
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	4.8	13
87	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

86	Efeito da presença e concentração de compostos carbonílicos na qualidade de vinhos. <i>Química Nova</i> , 2007 , 30, 1968-1975	1.6	13
85	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
84	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
83	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
82	Evaluation of thermal stability of quinones by thermal analysis techniques. <i>Thermochimica Acta</i> , 2012 , 529, 1-5	2.9	12
81	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
80	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
79	Direct determination of quinones in fine atmospheric particulate matter by GC-MS. <i>Microchemical Journal</i> , 2015 , 118, 26-31	4.8	11
78	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
77	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 Ciências</i> , 2014 , 86, 37-55	1.4	11
76	Physicochemical characteristics of ozonated sunflower oils obtained by different procedures. <i>Grasas Y Aceites</i> , 2012 , 63, 466-474	1.3	11
75	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
74	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
73	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
72	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
71	Use of Cu^{2+} as a metal ion probe for the EPR study of metal complexation sites in the double sulfite $\text{CuI} \cdot 2\text{SO}_3 \cdot \text{CdII} \cdot \text{SO}_3 \cdot 2\text{H}_2\text{O}$. <i>Journal of the Brazilian Chemical Society</i> , 2007 , 18, 607-610	1.5	10
70	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
69	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

68	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
67	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
66	Bromophenol concentrations in fish from Salvador, BA, Brazil. <i>Anais Da Academia Brasileira De Ciencias</i> , 2009 , 81, 165-72	1.4	9
65	Optical properties of colloids formed in copper sulfate solution containing Rhodamine B. <i>Journal of Alloys and Compounds</i> , 2009 , 481, 654-658	5.7	9
64	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
63	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
62	Fontes, reatividade e quantificaç de metanol e etanol na atmosfera. <i>Quimica Nova</i> , 1998 , 21, 744-754	1.6	9
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	7.9	9
60	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
59	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
58	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
57	Spectrophotometric and derivative spectrophotometric determination of aluminium with Hydroxynaphthol Blue. <i>Talanta</i> , 1994 , 41, 1631-6	6.2	8
56	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
55	Energy trends and the water-energy binomium for Brazil. <i>Anais Da Academia Brasileira De Ciencias</i> , 2015 , 87, 569-94	1.4	7
54	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
53	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
52	Characterization of the double sulfites Cu ₂ SO ₃ ·MSO ₃ ·2H ₂ O (M = Cu, Fe, Mn or Cd) by photothermal techniques. <i>Physical Chemistry Chemical Physics</i> , 2001 , 3, 4800-4805	3.6	7
51	Bromofenóis simples relacionados ao "flavor" de organismos marinhos. <i>Quimica Nova</i> , 2007 , 30, 629-635	1.6	7

50	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
49	Química Sem Fronteiras: o desafio da energia. <i>Química Nova</i> , 2013 , 36, 1540-1551	1.6	6
48	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. <i>Química Nova</i> , 2009 , 32, 2476-2481	1.6	6
47	Spectrophotometric and derivative spectrophotometric determination of nickel with hydroxynaphthol blue. <i>Mikrochimica Acta</i> , 1996 , 122, 109-115	5.8	6
46	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		6
45	Electronic Spectra of Chevrel's Salts. <i>Journal of the Brazilian Chemical Society</i> , 2002 , 13, 624-628	1.5	6
44	Optical properties of the new potential infrared-detectors Cu(II)2SO3·M(II)SO3·2H2O (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
43	Química atmosférica do enxofre (IV): emissões, reações em fase aquosa e impacto ambiental. <i>Química Nova</i> , 2002 , 25, 259-272	1.6	5
42	Diretrizes curriculares para os cursos de química. <i>Química Nova</i> , 1999 , 22, 454-461	1.6	5
41	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
40	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 Química</i> , 2017 , 9, 4-14	1.3	5
39	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
38	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
37	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
36	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
35	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
34	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
33	Influence of NO ₂ and metal ions on oxidation of aqueous-phase S(IV) in atmospheric concentrations. <i>Anais Da Academia Brasileira De Ciências</i> , 2008 , 80, 279-90	1.4	4

32	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
31	An overview of the Rio de Janeiro Aerosol Characterization Study. <i>Japca</i> , 1987 , 37, 15-23		4
30	QUALIS: Quo Vadis?. <i>Quimica Nova</i> , 2009 , 32, 5-5	1.6	4
29	Contamination at Todos os Santos Bay. <i>Revista Virtual De Quimica</i> , 2012 , 4,	1.3	4
28	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
27	Determinação de compostos carbonilados e carboxilados em derivados de petróleo. <i>Quimica Nova</i> , 2012 , 35, 1644-1656	1.6	3
26	Preparation, Characterization, and Selectivity Study of Mixed-Valence Sulfites. <i>Journal of Chemical Education</i> , 2010 , 87, 530-532	2.4	3
25	Critical Evaluation of Analytical Procedures for the Determination of Lead in Seawater. <i>Applied Spectroscopy Reviews</i> , 2012 , 47, 633-653	4.5	3
24	Por que todos os nitratos são solúveis?. <i>Quimica Nova</i> , 2004 , 27, 1016-1020	1.6	3
23	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>Quimica Nova</i> , 1998 , 21, 151	1.6	3
22	SOURCES, FORMATION, REACTIVITY AND DETERMINATION OF QUINONES IN THE ATMOSPHERE. <i>Quimica Nova</i> , 2016 ,	1.6	3
21	Determination and Profiling of Human Skin Odors Using Hair Samples. <i>Molecules</i> , 2019 , 24,	4.8	2
20	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
19	Airborne particles in the Brazilian city of São Paulo: One-year investigation for the chemical composition and source apportionment 2017 ,		2
18	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
17	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
16	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
15	Todos os Santos Bay Research Program: Response to the Complexity of the Demands for Knowledge. <i>Revista Virtual De Quimica</i> , 2012 , 4,	1.3	2

14	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
13	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
12	Water Challenges and Solutions for Brazil and South America. <i>ACS Symposium Series</i> , 2015 , 71-94	0.4	1
11	Research on analytical chemistry in Brazil: an overview. <i>Microchemical Journal</i> , 2004 , 77, 101-106	4.8	1
10	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
9	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
8	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
7	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
6	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
5	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
4	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
3	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		
2	Matriz energética e o binômio água vs. energia para o Brasil. <i>Ciência E Cultura</i> , 2014 , 66, 4-5	0.3	
1	Cooperação internacional do Brasil em ciência oceânica. <i>Ciência E Cultura</i> , 2021 , 73, 12-15	0.3	