

# Edenir Pereira-Filho

## List of Publications by Citations

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161  
papers

2,886  
citations

28  
h-index

44  
g-index

178  
ext. papers

3,301  
ext. citations

3.7  
avg, IF

5.86  
L-index

#	Paper	IF	Citations
161	Rapid detection and quantification of milk adulteration using infrared microspectroscopy and chemometrics analysis. <i>Food Chemistry</i> , <b>2013</b> , 138, 19-24	8.5	152
160	Recent advances on determination of milk adulterants. <i>Food Chemistry</i> , <b>2017</b> , 221, 1232-1244	8.5	118
159	Twelve different types of data normalization for the proposition of classification, univariate and multivariate regression models for the direct analyses of alloys by laser-induced breakdown spectroscopy (LIBS). <i>Journal of Analytical Atomic Spectrometry</i> , <b>2016</b> , 31, 2005-2014	3.7	97
158	Development of a carbon nanotubes paste electrode modified with crosslinked chitosan for cadmium(II) and mercury(II) determination. <i>Journal of Electroanalytical Chemistry</i> , <b>2011</b> , 660, 209-216	4.1	93
157	Evaluation of biodiesel-diesel blends quality using <sup>1</sup> H NMR and chemometrics. <i>Talanta</i> , <b>2009</b> , 78, 660-4	6.2	75
156	Fingerprinting of anthocyanins from grapes produced in Brazil using HPLC-DAD-MS and exploratory analysis by principal component analysis. <i>Food Chemistry</i> , <b>2014</b> , 145, 395-403	8.5	67
155	Application of hand-held and portable infrared spectrometers in bovine milk analysis. <i>Journal of Agricultural and Food Chemistry</i> , <b>2013</b> , 61, 1205-11	5.7	67
154	Detection and quantification of milk adulteration using time domain nuclear magnetic resonance (TD-NMR). <i>Microchemical Journal</i> , <b>2016</b> , 124, 15-19	4.8	60
153	Determination of cadmium and lead at low levels by using preconcentration at fullerene coupled to thermospray flame furnace atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2004</b> , 59, 515-521	3.1	59
152	Identification and classification of polymer e-waste using laser-induced breakdown spectroscopy (LIBS) and chemometric tools. <i>Polymer Testing</i> , <b>2017</b> , 59, 390-395	4.5	57
151	Application of chemometric methods in the evaluation of chemical and spectroscopic data on organic matter from Oxisols in sewage sludge applications. <i>Geoderma</i> , <b>2010</b> , 155, 121-127	6.7	54
150	Laser-induced breakdown spectroscopy and chemometrics for classification of toys relying on toxic elements. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2011</b> , 66, 138-143	3.1	53
149	Laser-induced breakdown spectroscopy (LIBS) combined with hyperspectral imaging for the evaluation of printed circuit board composition. <i>Talanta</i> , <b>2015</b> , 134, 278-283	6.2	45
148	Scanner Digital Images Combined with Color Parameters: A Case Study to Detect Adulterations in Liquid Cowâ Milk. <i>Food Analytical Methods</i> , <b>2012</b> , 5, 89-95	3.4	44
147	Simultaneous sample digestion and determination of Cd, Cu and Pb in biological samples using thermospray flame furnace atomic absorption spectrometry (TS-FF-AAS) with slurry sample introduction. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2002</b> , 17, 1308-1315	3.7	43
146	Analysis of the polymeric fractions of scrap from mobile phones using laser-induced breakdown spectroscopy: chemometric applications for better data interpretation. <i>Talanta</i> , <b>2015</b> , 134, 65-73	6.2	41
145	Laser-induced breakdown spectroscopy (LIBS) applications in the chemical analysis of waste electrical and electronic equipment (WEEE). <i>TrAC - Trends in Analytical Chemistry</i> , <b>2018</b> , 108, 65-73	14.6	39

144	Calibration strategies for the direct determination of Ca, K, and Mg in commercial samples of powdered milk and solid dietary supplements using laser-induced breakdown spectroscopy (LIBS). <i>Food Research International</i> , <b>2017</b> , 94, 72-78	7	37
143	Digital image analysis – an alternative tool for monitoring milk authenticity. <i>Analytical Methods</i> , <b>2013</b> , 5, 3669	3.2	37
142	Development of a methodology for calcium, iron, potassium, magnesium, manganese, and zinc quantification in teas using X-ray spectroscopy and multivariate calibration. <i>Journal of Agricultural and Food Chemistry</i> , <b>2006</b> , 54, 5723-30	5.7	37
141	Direct Determination of Contaminants and Major and Minor Nutrients in Solid Fertilizers Using Laser-Induced Breakdown Spectroscopy (LIBS). <i>Journal of Agricultural and Food Chemistry</i> , <b>2016</b> , 64, 7890-7898 <sup>36</sup>	5.7	36
140	Solid sampling: advantages and challenges for chemical element determination – critical review. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2020</b> , 35, 54-77	3.7	32
139	Past and emerging topics related to electronic waste management: top countries, trends, and perspectives. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 17135-17151	5.1	31
138	Laser-induced fluorescence imaging method to monitor citrus greening disease. <i>Computers and Electronics in Agriculture</i> , <b>2011</b> , 79, 90-93	6.5	31
137	Fast Determination of Cd, Fe, Pb, and Zn in Food using AAS. <i>Food Analytical Methods</i> , <b>2009</b> , 2, 110-115	3.4	31
136	Performance evaluation of collision-reaction interface and internal standardization in quadrupole ICP-MS measurements. <i>Talanta</i> , <b>2011</b> , 86, 241-7	6.2	30
135	Chemometric evaluation of Cd, Co, Cr, Cu, Ni (inductively coupled plasma optical emission spectrometry) and Pb (graphite furnace atomic absorption spectrometry) concentrations in lipstick samples intended to be used by adults and children. <i>Talanta</i> , <b>2016</b> , 150, 206-12	6.2	29
134	Analysis of waste electrical and electronic equipment (WEEE) using laser induced breakdown spectroscopy (LIBS) and multivariate analysis. <i>Talanta</i> , <b>2013</b> , 117, 419-24	6.2	29
133	Use of laser-induced breakdown spectroscopy for the determination of polycarbonate (PC) and acrylonitrile-butadiene-styrene (ABS) concentrations in PC/ABS plastics from e-waste. <i>Waste Management</i> , <b>2017</b> , 70, 212-221	8.6	27
132	Multi-energy calibration (MEC) applied to laser-induced breakdown spectroscopy (LIBS). <i>Journal of Analytical Atomic Spectrometry</i> , <b>2018</b> , 33, 1753-1762	3.7	27
131	The determination of V and Mo by dispersive liquid-liquid microextraction (DLLME) combined with laser-induced breakdown spectroscopy (LIBS). <i>Journal of Analytical Atomic Spectrometry</i> , <b>2014</b> , 29, 1813-1818	3.7	27
130	Quantitative analysis of Lead Zirconate Titanate (PZT) ceramics by laser-induced breakdown spectroscopy (LIBS) in combination with multivariate calibration. <i>Microchemical Journal</i> , <b>2017</b> , 130, 21-26 <sup>4.8</sup>	4.8	27
129	Comparison of the univariate and multivariate methods in the optimization of experimental conditions for determining Cu, Pb, Ni and Cd in biodiesel by GFAAS. <i>Fuel</i> , <b>2009</b> , 88, 1907-1914	7.1	27
128	Use of X-Ray Scattering for Studies with Organic Compounds: a Case Study Using Paints. <i>Mikrochimica Acta</i> , <b>2005</b> , 150, 131-136	5.8	27
127	Microwave-assisted digestion using dilute nitric acid solution and investigation of calibration strategies for determination of As, Cd, Hg and Pb in dietary supplements using ICP-MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2019</b> , 174, 471-478	3.5	25

126	Post-fire study of the Brazilian Scientific Antarctic Station: Toxic element contamination and potential mobility on the surrounding environment. <i>Microchemical Journal</i> , <b>2013</b> , 110, 21-27	4.8	25
125	Evaluation of the use of multiple lines for determination of metals in water by inductively coupled plasma optical emission spectrometry with axial viewing. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2009</b> , 64, 544-548	3.1	25
124	Copper determination in sugar cane spirits by fast sequential flame atomic absorption spectrometry using internal standardization. <i>Microchemical Journal</i> , <b>2010</b> , 96, 99-101	4.8	24
123	Method for the production of acrylonitrile-butadiene-styrene (ABS) and polycarbonate (PC)/ABS standards for direct Sb determination in plastics from e-waste using laser-induced breakdown spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2016</b> , 31, 1228-1233	3.7	24
122	Heavy Metals Contamination in Century-Old Manmade Technosols of Hope Bay, Antarctic Peninsula. <i>Water, Air, and Soil Pollution</i> , <b>2011</b> , 222, 91-102	2.6	23
121	<sup>1</sup> H NMR and Multivariate Calibration for the Prediction of Biodiesel Concentration in Diesel Blends. <i>JAOCs, Journal of the American Oil Chemists Society</i> , <b>2009</b> , 86, 581-585	1.8	23
120	Calibration strategies for determination of the In content in discarded liquid crystal displays (LCD) from mobile phones using laser-induced breakdown spectroscopy (LIBS). <i>Analytica Chimica Acta</i> , <b>2019</b> , 1061, 42-49	6.6	22
119	Increased CO <sub>2</sub> emission and organic matter decomposition by leaf-cutting ant nests in a coastal environment. <i>Soil Biology and Biochemistry</i> , <b>2012</b> , 44, 21-25	7.5	22
118	Combining contamination indexes, sediment quality guidelines and multivariate data analysis for metal pollution assessment in marine sediments of Cienfuegos Bay, Cuba. <i>Chemosphere</i> , <b>2017</b> , 168, 1267-1276	8.4	22
117	Direct determination of Ca, K, Mg, Na, P, S, Fe and Zn in bivalve mollusks by wavelength dispersive X-ray fluorescence (WDXRF) and laser-induced breakdown spectroscopy (LIBS). <i>Food Chemistry</i> , <b>2019</b> , 273, 91-98	8.5	22
116	Direct determination of calcium and phosphorus in mineral supplements for cattle by wavelength dispersive X-ray fluorescence (WD-XRF). <i>Microchemical Journal</i> , <b>2018</b> , 137, 272-276	4.8	21
115	Determination of Cd levels in smoke condensate of Brazilian and Paraguayan cigarettes by Thermospray Flame Furnace Atomic Absorption Spectrometry (TS-FF-AAS). <i>Microchemical Journal</i> , <b>2012</b> , 100, 27-30	4.8	20
114	Condensation of Macrocyclic Polyketides Produced by Penicillium sp. DRF2 with Mercaptopyruvate Represents a New Fungal Detoxification Pathway. <i>Journal of Natural Products</i> , <b>2016</b> , 79, 1668-78	4.9	20
113	Determination of Cd, Co, Cr, Cu, Ni and Pb in cosmetic samples using a simple method for sample preparation. <i>Analytical Methods</i> , <b>2015</b> , 7, 329-335	3.2	19
112	Chromatographic profiles of Phyllanthus aqueous extracts samples: a proposition of classification using chemometric models. <i>Analytical and Bioanalytical Chemistry</i> , <b>2011</b> , 400, 469-81	4.4	19
111	Calibration strategies to overcome matrix effects in laser-induced breakdown spectroscopy: Direct calcium and phosphorus determination in solid mineral supplements. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2019</b> , 155, 90-98	3.1	18
110	Proposition of a simple method for chromium (VI) determination in soils from remote places applying digital images: A case study from Brazilian Antarctic Station. <i>Microchemical Journal</i> , <b>2013</b> , 109, 165-169	4.8	18
109	Emprego de planejamento fatorial para a otimizaç <sup>ã</sup> o das temperaturas de pir <sup>o</sup> lise e atomizaç <sup>ã</sup> o de Al, Cd, Mo e Pb por ETAAS. <i>Quimica Nova</i> , <b>2002</b> , 25, 246-253	1.6	18

108	Analysis of Cuban nickeliferous minerals by laser-induced breakdown spectroscopy (LIBS): non-conventional sample preparation of powder samples. <i>Analytical Methods</i> , <b>2018</b> , 10, 533-540	3.2	17
107	Different sample preparation methods for the analysis of suspension fertilizers combining LIBS and liquid-to-solid matrix conversion: determination of essential and toxic elements. <i>Analytical Methods</i> , <b>2017</b> , 9, 5156-5164	3.2	17
106	Current trends in laser-induced breakdown spectroscopy: a tutorial review. <i>Applied Spectroscopy Reviews</i> , <b>2021</b> , 56, 98-114	4.5	17
105	Obtaining information about valuable metals in computer and mobile phone scraps using laser-induced breakdown spectroscopy (LIBS). <i>RSC Advances</i> , <b>2015</b> , 5, 67001-67010	3.7	16
104	Direct Determination of Ca, K and Mg in Cassava Flour Samples by Laser-Induced Breakdown Spectroscopy (LIBS). <i>Food Analytical Methods</i> , <b>2018</b> , 11, 1886-1896	3.4	16
103	Chemical data as markers of the geographical origins of sugarcane spirits. <i>Food Chemistry</i> , <b>2016</b> , 196, 196-203	8.5	15
102	Biomonitoring of lead in Antarctic lichens using laser ablation inductively coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2011</b> , 26, 2238	3.7	15
101	TS-FF-AAS and multivariate calibration: A proposition for sewage sludge slurry sample analyses. <i>Talanta</i> , <b>2007</b> , 71, 620-6	6.2	15
100	Mechanised flow system for on-line microwave digestion of food samples with off-line catalytic spectrophotometric determination of cobalt at ng l-1 levels. <i>Analyst, The</i> , <b>1999</b> , 124, 1873-7	5	15
99	Direct chemical inspection of eye shadow and lipstick solid samples using laser-induced breakdown spectroscopy (LIBS) and chemometrics: proposition of classification models. <i>Analytical Methods</i> , <b>2016</b> , 8, 5851-5860	3.2	14
98	Calibration strategies for the direct determination of rare earth elements in hard disk magnets using laser-induced breakdown spectroscopy. <i>Talanta</i> , <b>2020</b> , 208, 120443	6.2	14
97	Proposition of classification models for the direct evaluation of the quality of cattle and sheep leathers using laser-induced breakdown spectroscopy (LIBS) analysis. <i>RSC Advances</i> , <b>2016</b> , 6, 104827-104838	3.7	13
96	Application of Laser-Induced Breakdown Spectroscopy and Hyperspectral Images for Direct Evaluation of Chemical Elemental Profiles of Coprolites. <i>Geostandards and Geoanalytical Research</i> , <b>2017</b> , 41, 273-282	3.6	13
95	Folic acid and iron evaluation in Brazilian enriched corn and wheat flours. <i>Journal of the Brazilian Chemical Society</i> , <b>2008</b> , 19, 53-59	1.5	13
94	Proposition of electronic waste as a reference material - part 1: sample preparation, characterization and chemometric evaluation. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2019</b> , 34, 2394-2401	3.7	13
93	Univariate and multivariate calibration strategies in combination with laser-induced breakdown spectroscopy (LIBS) to determine Ti on sunscreen: A different sample preparation procedure. <i>Optics and Laser Technology</i> , <b>2019</b> , 109, 648-653	4.2	13
92	Polymeric nanoparticles loaded with the 3,5,3'-triiodothyroacetic acid (Triac), a thyroid hormone: factorial design, characterization, and release kinetics. <i>Nanotechnology, Science and Applications</i> , <b>2012</b> , 5, 37-48	3.9	12
91	Ti and Ni tubes combined in thermospray flame furnace atomic absorption spectrometry (TS-FF-AAS) for the determination of copper in biological samples. <i>Microchemical Journal</i> , <b>2009</b> , 93, 93-98	4.8	12

90	Evaluation of the mineral profile of textile materials using inductively coupled plasma optical emission spectrometry and chemometrics. <i>Journal of Hazardous Materials</i> , <b>2010</b> , 182, 325-30	12.8	12
89	Neuro-genetic approach for optimisation of the spectrophotometric catalytic determination of cobalt. <i>Analytica Chimica Acta</i> , <b>2001</b> , 433, 111-117	6.6	12
88	Development of achiral and chiral 2D HPLC methods for analysis of albendazole metabolites in microsomal fractions using multivariate analysis for the in vitro metabolism. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2013</b> , 932, 26-33	3.2	11
87	Nutritional deficiency in citrus with symptoms of citrus variegated chlorosis disease. <i>Brazilian Journal of Biology</i> , <b>2009</b> , 69, 859-64	1.5	11
86	Tube atomizers in thermospray flame furnace atomic absorption spectrometry: characterization using X-ray fluorescence, scanning electron microscopy and chemometrics. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2006</b> , 21, 1298	3.7	11
85	Metals distribution and investigation of L'vov platform surface using principal component analysis, multi-way principal component analysis, micro synchrotron radiation X-ray fluorescence spectrometry and scanning electron microscopy after the determination of Al in a milk slurry sample. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2002</b> , 57, 1259-1274	3.1	11
84	Chemometrics in analytical chemistry – an overview of applications from 2014 to 2018. <i>Eletica Quimica</i> , <b>2019</b> , 44, 11	2.6	11
83	Proposition of electronic waste as a reference material – part 2: homogeneity, stability, characterization, and uncertainties. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2019</b> , 34, 2402-2410	3.7	11
82	Spectroanalytical method for evaluating the technological elements composition of magnets from computer hard disks. <i>Talanta</i> , <b>2018</b> , 189, 205-210	6.2	11
81	A chemometric approach exploring Derringer's desirability function for the simultaneous determination of Cd, Cr, Ni and Pb in micronutrient fertilizers by laser-induced breakdown spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2019</b> , 154, 25-32	3.1	10
80	Direct determination of Al and Pb in waste printed circuit boards (PCB) by laser-induced breakdown spectroscopy (LIBS): Evaluation of calibration strategies and economic - environmental questions. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 399, 122831	12.8	10
79	Laser-induced breakdown spectroscopy (LIBS) and wavelength dispersive X-ray fluorescence (WDXRF) data fusion to predict the concentration of K, Mg and P in bean seed samples. <i>Food Research International</i> , <b>2020</b> , 132, 109037	7	10
78	Determination of As and in mineral waters by fast sequential continuous flow hydride generation atomic absorption spectrometry. <i>Analytical Methods</i> , <b>2011</b> , 3, 599-605	3.2	10
77	Fluorescence images combined to statistic test for fingerprinting of citrus plants after bacterial infection. <i>Analytical Methods</i> , <b>2011</b> , 3, 552-556	3.2	10
76	Potentialities of thermospray flame furnace atomic absorption spectrometry (TS-FF-AAS) in the fast sequential determination of Cd, , Pb and. <i>Analytical Methods</i> , <b>2009</b> , 1, 215-219	3.2	10
75	APLICAÇÃO DE PROGRAMA COMPUTACIONAL LIVRE EM PLANEJAMENTO DE EXPERIMENTOS: UM TUTORIAL. <i>Química Nova</i> , <b>2018</b> , 2018,	1.6	10
74	Calibration strategies for determination of Pb content in recycled polypropylene from car batteries using laser-induced breakdown spectroscopy (LIBS). <i>Microchemical Journal</i> , <b>2020</b> , 159, 105558	4.8	10
73	Comparison of ICP OES and LIBS Analysis of Medicinal Herbs Rich in Flavonoids from Eastern Europe. <i>Journal of the Brazilian Chemical Society</i> , <b>2016</b> ,	1.5	10



72	Factorial design evaluation of the Suzuki cross-coupling reaction using a magnetically recoverable palladium catalyst. <i>Tetrahedron Letters</i> , <b>2017</b> , 58, 903-908	2	9
71	Nutrient and Contaminant Quantification in Solid and Liquid Food Samples Using Laser-Ablation Inductively Coupled Plasma-Mass Spectrometry (LA-ICP-MS): Discussion of Calibration Strategies. <i>Food Analytical Methods</i> , <b>2017</b> , 10, 1515-1522	3.4	9
70	Laser-induced breakdown spectroscopy (LIBS) spectra interpretation and characterization using parallel factor analysis (PARAFAC): a new procedure for data and spectral interference processing fostering the waste electrical and electronic equipment (WEEE) recycling process. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2020</b> , 35, 1115-1124	3.7	9
69	Copper electrowinning using a pulsed bed three-dimensional electrode. <i>Hydrometallurgy</i> , <b>2014</b> , 144-145, 15-22	4	9
68	Relevant information of concomitants obtained from background signal using thermospray flame furnace atomic absorption spectrometry (TS-FF-AAS) and chemometric tools. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2009</b> , 24, 304	3.7	9
67	Variabilidade espacial e temporal de parâmetros físico-químicos nos rios Turvo, Preto e Grande no estado de São Paulo, Brasil. <i>Química Nova</i> , <b>2010</b> , 33, 1831-1836	1.6	9
66	Characterization by Fluorescence of Organic Matter from Oxisols under Sewage Sludge Applications. <i>Soil Science Society of America Journal</i> , <b>2010</b> , 74, 94-104	2.5	9
65	Application of Multi-energy Calibration for Determination of Chromium and Nickel in Nickeliferous Ores by Laser-induced Breakdown Spectroscopy. <i>Analytical Sciences</i> , <b>2019</b> , 35, 165-168	1.7	9
64	Multivariate Optimization of Ultrasound-Assisted Extraction Procedure for the Determination of Ca, Fe, K, Mg, Mn, P, and Zn in Pepper Samples by ICP OES. <i>Food Analytical Methods</i> , <b>2020</b> , 13, 69-77	3.4	9
63	Fast and direct detection of metal accumulation in marine sediments using laser-induced breakdown spectroscopy (LIBS): a case study from the Bay of Cienfuegos, Cuba. <i>Analytical Methods</i> , <b>2017</b> , 9, 3713-3719	3.2	8
62	Sequential Determination of Cd, Cu and Pb in Tea Leaves by Slurry Introduction to Thermospray Flame Furnace Atomic Absorption Spectrometry. <i>Food Analytical Methods</i> , <b>2013</b> , 6, 1607-1610	3.4	8
61	Differentiation of <i>Lippia gracilis</i> Schauer Genotypes by LC Fingerprint and Chemometrics Analyses. <i>Chromatographia</i> , <b>2010</b> , 72, 275-280	2.1	8
60	Response surface methodology applied to tropical freshwater treatment. <i>Environmental Technology (United Kingdom)</i> , <b>2020</b> , 41, 901-911	2.6	8
59	Multivariate optimization for the development of a sample preparation procedure and evaluation of calibration strategies for nutrient elements determination in handmade chocolate. <i>Microchemical Journal</i> , <b>2019</b> , 150, 104166	4.8	7
58	Investigação da qualidade de farinhas enriquecidas utilizando Análise por Componentes Principais (PCA). <i>Food Science and Technology</i> , <b>2010</b> , 30, 618-624	2	7
57	Determinação de fosfato em refrigerantes utilizando um scanner de mesa e análise automatizada de dados: um exemplo didático para ensino de química. <i>Química Nova</i> ,	1.6	7
56	Removal of Cr(VI) from Wastewater of the Tannery Industry by Functionalized Mesoporous Material. <i>Silicon</i> , <b>2020</b> , 12, 1895-1903	2.4	7
55	Chemical inspection and elemental analysis of electronic waste using data fusion - Application of complementary spectroanalytical techniques. <i>Talanta</i> , <b>2021</b> , 225, 122025	6.2	7

54	Wavelength dispersive X-ray fluorescence (WD-XRF) applied to speciation of sulphur in mineral supplement for cattle: Evaluation of the chemical and matrix effects. <i>Microchemical Journal</i> , <b>2019</b> , 147, 628-634	4.8	6
53	Direct Determination of Ca, K, and Mg in Cocoa Beans by Laser-Induced Breakdown Spectroscopy (LIBS): Evaluation of Three Univariate Calibration Strategies for Matrix Matching. <i>Food Analytical Methods</i> , <b>2020</b> , 13, 1017-1026	3.4	6
52	A new closed-vessel conductively heated digestion system: fostering plant analysis by inductively coupled plasma optical emission spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2014</b> , 29, 825-831	3.7	6
51	Nest refuse of leaf-cutting ants mineralize faster than leaf fragments: Results from a field experiment in Northeast Brazil. <i>Applied Soil Ecology</i> , <b>2012</b> , 61, 131-136	5	6
50	Chemometric tools in chemical fractionation data of soil samples from five antarctic research stations. <i>Journal of the Brazilian Chemical Society</i> , <b>2012</b> , 23, 1388-1394	1.5	6
49	Chemometric Strategies to Develop a Nanocomposite Electrode for Simultaneous Determination of Ascorbic Acid, Dopamine, and Uric Acid. <i>Electroanalysis</i> , <b>2013</b> , 25, 1988-1994	3	6
48	Avalia <sup>o</sup> de ICP OES com configura <sup>o</sup> axial ou radial para determina <sup>o</sup> de iodo em sal de cozinha. <i>Quimica Nova</i> , <b>2012</b> , 35, 1299-1305	1.6	6
47	LIBS as an alternative method to control an industrial hydrometallurgical process for the recovery of Cu in waste from electro-electronic equipment (WEEE). <i>Microchemical Journal</i> , <b>2021</b> , 164, 106007	4.8	6
46	Hyperspectral images: a qualitative approach to evaluate the chemical profile distribution of Ca, K, Mg, Na and P in edible seeds employing laser-induced breakdown spectroscopy. <i>Analytical Methods</i> , <b>2019</b> , 11, 5543-5552	3.2	6
45	Determination of Elemental Content in Solder Mask Samples Used in Printed Circuit Boards Using Different Spectroanalytical Techniques. <i>Applied Spectroscopy</i> , <b>2018</b> , 72, 1205-1214	3.1	6
44	Trace element analysis of urine by ICP-MS/MS to identify urinary tract infection. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2017</b> , 32, 1590-1594	3.7	5
43	Qualitative and Quantitative Analysis of Soils Using Laser-Induced Breakdown Spectroscopy and Chemometrics Tools. <i>Journal of Applied Spectroscopy</i> , <b>2020</b> , 87, 378-386	0.7	5
42	Fast Sequential Determination of As and Sb, Bi and Pb by Continuous Flow Hydride Generation Atomic Absorption Spectrometry. <i>Food Analytical Methods</i> , <b>2013</b> , 6, 1212-1222	3.4	5
41	Old and New Flavors of Flame (Furnace) Atomic Absorption Spectrometry. <i>International Journal of Spectroscopy</i> , <b>2011</b> , 2011, 1-30		5
40	Exploratory analysis of L <sup>o</sup> ov platform surfaces for electrothermal atomic absorption spectrometry by using three-way chemometric tools. <i>Analytica Chimica Acta</i> , <b>2003</b> , 495, 177-193	6.6	5
39	LASER INDUCED-BREAKDOWN SPECTROSCOPY (LIBS): HIST <sup>o</sup> RICO, FUNDAMENTOS, APLICA <sup>o</sup> ES E POTENCIALIDADES. <i>Quimica Nova</i> , <b>2019</b> ,	1.6	5
38	Neodymium determination in hard drive disks magnets using different calibration approaches for wavelength dispersive X-ray fluorescence. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2020</b> , 164, 105763	3.1	5
37	Evaluation of the Chemical Composition of Synthetic Leather Using Spectroscopy Techniques. <i>Applied Spectroscopy</i> , <b>2018</b> , 72, 921-932	3.1	5



36	Analytical and reclamation technologies for identification and recycling of precious materials from waste computer and mobile phones. <i>Chemosphere</i> , <b>2022</b> , 286, 131739	8.4	5
35	Authenticity study of Phyllanthus species by NMR and FT-IR Techniques coupled with chemometric methods. <i>Quimica Nova</i> , <b>2012</b> , 35, 2210-2217	1.6	4
34	Evaluation of Different Sample Preparation Procedures Using Chemometrics: Comparison Among Photo-Fenton Reaction, Microwave Irradiation, and Direct Determination of Minerals in Fruit Juices. <i>Food Analytical Methods</i> , <b>2010</b> , 3, 98-103	3.4	4
33	Chromium speciation in leather samples: an experiment using digital images, mobile phone and environmental concepts. <i>Eclética Química</i> , <b>2019</b> , 44, 62	2.6	4
32	Study of Calcium and Sodium Behavior to Identify Milk Adulteration Using Flame Atomic Absorption Spectrometry. <i>Food and Nutrition Sciences (Print)</i> , <b>2012</b> , 03, 1228-1232	0.4	4
31	Proposition of Sample Preparation Procedure of Cassava Flour with Diluted Acid Using Mixture Design and Evaluation of Nutrient Profiles by Multivariate Data Analysis. <i>Food Analytical Methods</i> , <b>2020</b> , 13, 145-154	3.4	4
30	Combination of Multi-Energy Calibration (MEC) and Laser-Induced Breakdown Spectroscopy (LIBS) for Dietary Supplements Analysis and Determination of Ca, Mg and K. <i>Journal of the Brazilian Chemical Society</i> , <b>2018</b> ,	1.5	4
29	Forensic analysis of hand-written documents using laser-induced breakdown spectroscopy (LIBS) and chemometrics. <i>Analytical Methods</i> , <b>2021</b> , 13, 232-241	3.2	4
28	Qualitative and Quantitative Chemical Investigation of Orthopedic Alloys by Combining Wet Digestion, Spectroanalytical Methods and Direct Solid Analysis. <i>Journal of the Brazilian Chemical Society</i> , <b>2017</b> ,	1.5	3
27	Biosorbent, a promising material for remediation of eutrophic environments: studies in microcosm. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 2685-2696	5.1	3
26	Removal of copper(II) from sugar-cane spirits employing chitosan. <i>Quimica Nova</i> , <b>2010</b> , 33, 458-460	1.6	3
25	Exploratory Analysis of Micrographic Teflon Images. <i>Mikrochimica Acta</i> , <b>2001</b> , 136, 55-60	5.8	3
24	Avaliação do teor de ferro e zinco e composição centesimal de farinhas de trigo e milho enriquecidas. <i>BJPS: Brazilian Journal of Pharmaceutical Sciences</i> , <b>2007</b> , 43, 589-596		3
23	Combined discrete nebulization and microextraction process for molybdenum determination by flame atomic absorption spectrometry (FAAS).. <i>Quimica Nova</i> , <b>2014</b> , 37,	1.6	3
22	Strategy of Sample Preparation for Arsenic Determination in Mineral Fertilizers. <i>Journal of the Brazilian Chemical Society</i> , <b>2016</b> ,	1.5	3
21	Minimal-Invasive Analytical Method and Data Fusion: an Alternative for Determination of Cu, K, Sr, and Zn in Cocoa Beans. <i>Food Analytical Methods</i> , <b>2021</b> , 14, 545-551	3.4	3
20	Calibration Strategies Applied to Laser-Induced Breakdown Spectroscopy: A Critical Review of Advances and Challenges. <i>Journal of the Brazilian Chemical Society</i> ,	1.5	3
19	A novel strategy for direct elemental determination using laser-induced breakdown spectroscopy: fluence calibration. <i>Journal of Analytical Atomic Spectrometry</i> ,	3.7	3

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17	Determination and speciation of phosphorus in fertilizers and mineral supplements for cattle by X-ray absorption near-edge structure spectroscopy: a simple nondestructive method. <i>Analytical Methods</i> , <b>2019</b> , 11, 1508-1515	3.2	2
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15	Simultaneous Degradation of Diuron and Hexazinone Herbicides by Photo-Fenton: Assessment of Concentrations of H <sub>2</sub> O <sub>2</sub> and Fe <sup>2+</sup> by the Response Surface Methodology. <i>Journal of Advanced Oxidation Technologies</i> , <b>2015</b> , 18,		2
14	Optimization of sample preparation using statistical methods: spectrophotometric determination of Fe and Co in pharmaceutical samples. <i>Microchemical Journal</i> , <b>2004</b> , 78, 187-194	4.8	2
13	Ethanolysis Optimisation of Jupati ( <i>Raphia taedigera</i> Mart.) Oil to Biodiesel Using Response Surface Methodology. <i>Journal of the Brazilian Chemical Society</i> , <b>2015</b> ,	1.5	2
12	Evaluation of the effect of additives on thermo-oxidative and hydrolytic stabilization of recycled post-consumer poly (ethylene terephthalate) using Design of Experiments. <i>Polymer Testing</i> , <b>2020</b> , 81, 106275	4.5	2
11	White Crystal Cane Sugar Analysis Using a Noninvasive Method for Detection of Tampering with Sand. <i>Food Analytical Methods</i> , <b>2021</b> , 14, 1438-1442	3.4	1
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9	Particulate matter (PM <sub>10</sub> ) from S <sup>o</sup> B <sup>o</sup> Carlos-SP (Brazil): spectroanalytical techniques to evaluate and determine chemical elements. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2019</b> , 99, 653-669	1.8	0
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