Edenir Pereira-Filho

List of Publications by Year
in descending order

178 papers	3,775 citations	147801 31 h-index	182427 51 g-index
178 all docs	178 docs citations	178 times ranked	3766 citing authors

#	Article	IF	Citations
1	Rapid detection and quantification of milk adulteration using infrared microspectroscopy and chemometrics analysis. Food Chemistry, 2013, 138, 19-24.	8.2	180
2	Recent advances on determination of milk adulterants. Food Chemistry, 2017, 221, 1232-1244.	8.2	180
3	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). Journal of Analytical Atomic Spectrometry, 2016, 31, 2005-2014.	3.0	130
4	Development of a carbon nanotubes paste electrode modified with crosslinked chitosan for cadmium(II) and mercury(II) determination. Journal of Electroanalytical Chemistry, 2011, 660, 209-216.	3.8	104
5	Identification and classification of polymer e-waste using laser-induced breakdown spectroscopy (LIBS) and chemometric tools. Polymer Testing, 2017, 59, 390-395.	4.8	86
6	Fingerprinting of anthocyanins from grapes produced in Brazil using HPLC–DAD–MS and exploratory analysis by principal component analysis. Food Chemistry, 2014, 145, 395-403.	8.2	85
7	Detection and quantification of milk adulteration using time domain nuclear magnetic resonance (TD-NMR). Microchemical Journal, 2016, 124, 15-19.	4.5	84
8	Application of Hand-Held and Portable Infrared Spectrometers in Bovine Milk Analysis. Journal of Agricultural and Food Chemistry, 2013, 61, 1205-1211.	5.2	83
9	Evaluation of biodiesel–diesel blends quality using 1H NMR and chemometrics. Talanta, 2009, 78, 660-664.	5.5	82
10	Determination of cadmium and lead at low levels by using preconcentration at fullerene coupled to thermospray flame furnace atomic absorption spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2004, 59, 515-521.	2.9	65
11	Solid sampling: advantages and challenges for chemical element determination—a critical review. Journal of Analytical Atomic Spectrometry, 2020, 35, 54-77.	3.0	64
12	Application of chemometric methods in the evaluation of chemical and spectroscopic data on organic matter from Oxisols in sewage sludge applications. Geoderma, 2010, 155, 121-127.	5.1	63
13	Laser-induced breakdown spectroscopy and chemometrics for classification of toys relying on toxic elements. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2011, 66, 138-143.	2.9	61
14	Laser-induced breakdown spectroscopy (LIBS) combined with hyperspectral imaging for the evaluation of printed circuit board composition. Talanta, 2015, 134, 278-283.	5.5	53
15	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. Journal of Analytical Atomic Spectrometry, 2002, 17, 1308-1315.	3.0	52
16	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). Food Research International, 2017, 94, 72-78.	6.2	51
17	Scanner Digital Images Combined with Color Parameters: A Case Study to Detect Adulterations in Liquid Cow's Milk. Food Analytical Methods, 2012, 5, 89-95.	2.6	50
18	Laser-induced breakdown spectroscopy (LIBS) applications in the chemical analysis of waste electrical and electronic equipment (WEEE). TrAC - Trends in Analytical Chemistry, 2018, 108, 65-73.	11.4	50

#	Article	IF	Citations
19	Past and emerging topics related to electronic waste management: top countries, trends, and perspectives. Environmental Science and Pollution Research, 2019, 26, 17135-17151.	5.3	50
20	Analysis of the polymeric fractions of scrap from mobile phones using laser-induced breakdown spectroscopy: Chemometric applications for better data interpretation. Talanta, 2015, 134, 65-73.	5.5	47
21	Digital image analysis – an alternative tool for monitoring milk authenticity. Analytical Methods, 2013, 5, 3669.	2.7	45
22	Direct Determination of Contaminants and Major and Minor Nutrients in Solid Fertilizers Using Laser-Induced Breakdown Spectroscopy (LIBS). Journal of Agricultural and Food Chemistry, 2016, 64, 7890-7898.	5.2	44
23	Development of a Methodology for Calcium, Iron, Potassium, Magnesium, Manganese, and Zinc Quantification in Teas Using X-ray Spectroscopy and Multivariate Calibration. Journal of Agricultural and Food Chemistry, 2006, 54, 5723-5730.	5.2	41
24	Laser-induced fluorescence imaging method to monitor citrus greening disease. Computers and Electronics in Agriculture, 2011, 79, 90-93.	7.7	40
25	Current trends in laser-induced breakdown spectroscopy: a tutorial review. Applied Spectroscopy Reviews, 2021, 56, 98-114.	6.7	40
26	Multi-energy calibration (MEC) applied to laser-induced breakdown spectroscopy (LIBS). Journal of Analytical Atomic Spectrometry, 2018, 33, 1753-1762.	3.0	39
27	Chemometric evaluation of Cd, Co, Cr, Cu, Ni (inductively coupled plasma optical emission) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T samples intended to be used by adults and children. Talanta, 2016, 150, 206-212.	5.5	38
28	Post-fire study of the Brazilian Scientific Antarctic Station: Toxic element contamination and potential mobility on the surrounding environment. Microchemical Journal, 2013, 110, 21-27.	4.5	37
29	Condensation of Macrocyclic Polyketides Produced by <i>Penicillium</i> sp. DRF2 with Mercaptopyruvate Represents a New Fungal Detoxification Pathway. Journal of Natural Products, 2016, 79, 1668-1678.	3.0	37
30	Fast Determination of Cd, Fe, Pb, and Zn in Food using AAS. Food Analytical Methods, 2009, 2, 110-115.	2.6	35
31	Performance evaluation of collision–reaction interface and internal standardization in quadrupole ICP-MS measurements. Talanta, 2011, 86, 241-247.	5.5	34
32	Combining contamination indexes, sediment quality guidelines and multivariate data analysis for metal pollution assessment in marine sediments of Cienfuegos Bay, Cuba. Chemosphere, 2017, 168, 1267-1276.	8.2	34
33	Use of X-Ray Scattering for Studies with Organic Compounds: a Case Study Using Paints. Mikrochimica Acta, 2005, 150, 131-136.	5.0	33
34	Analysis of waste electrical and electronic equipment (WEEE) using laser induced breakdown spectroscopy (LIBS) and multivariate analysis. Talanta, 2013, 117, 419-424.	5.5	33
35	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. Journal of Pharmaceutical and Biomedical Analysis, 2019, 174, 471-478.	2.8	32
36	Copper determination in sugar cane spirits by fast sequential flame atomic absorption spectrometry using internal standardization. Microchemical Journal, 2010, 96, 99-101.	4.5	31

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37	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. Waste Management, 2017, 70, 212-221.	7.4	31
38	Quantitative analysis of Lead Zirconate Titanate (PZT) ceramics by laser-induced breakdown spectroscopy (LIBS) in combination with multivariate calibration. Microchemical Journal, 2017, 130, 21-26.	4.5	31
39	Comparison of the univariate and multivariate methods in the optimization of experimental conditions for determining Cu, Pb, Ni and Cd in biodiesel by GFAAS. Fuel, 2009, 88, 1907-1914.	6.4	30
40	Calibration strategies for determination of the In content in discarded liquid crystal displays (LCD) from mobile phones using laser-induced breakdown spectroscopy (LIBS). Analytica Chimica Acta, 2019, 1061, 42-49.	5.4	30
41	Heavy Metals Contamination in Century-Old Manmade Technosols of Hope Bay, Antarctic Peninsula. Water, Air, and Soil Pollution, 2011, 222, 91-102.	2.4	29
42	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). Food Chemistry, 2019, 273, 91-98.	8.2	29
43	Evaluation of the use of multiple lines for determination of metals in water by inductively coupled plasma optical emission spectrometry with axial viewing. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2009, 64, 544-548.	2.9	28
44	Increased CO2 emission and organic matter decomposition by leaf-cutting ant nests in a coastal environment. Soil Biology and Biochemistry, 2012, 44, 21-25.	8.8	28
45	The determination of V and Mo by dispersive liquid–liquid microextraction (DLLME) combined with laser-induced breakdown spectroscopy (LIBS). Journal of Analytical Atomic Spectrometry, 2014, 29, 1813-1818.	3.0	28
46	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. Journal of Analytical Atomic Spectrometry, 2016, 31, 1228-1233.	3.0	27
47	Emprego de planejamento fatorial para a otimização das temperaturas de pirólise e atomização de Al, Cd, Mo e Pb por ETAAS. Quimica Nova, 2002, 25, 246-253.	0.3	26
48	Analytical and reclamation technologies for identification and recycling of precious materials from waste computer and mobile phones. Chemosphere, 2022, 286, 131739.	8.2	26
49	^{1}H NMR and Multivariate Calibration for the Prediction of Biodiesel Concentration in Diesel Blends. JAOCS, Journal of the American Oil Chemists' Society, 2009, 86, 581-585.	1.9	25
50	Chromatographic profiles of Phyllanthus aqueous extracts samples: a proposition of classification using chemometric models. Analytical and Bioanalytical Chemistry, 2011, 400, 469-481.	3.7	24
51	Direct determination of calcium and phosphorus in mineral supplements for cattle by wavelength dispersive X-ray fluorescence (WD-XRF). Microchemical Journal, 2018, 137, 272-276.	4.5	24
52	Calibration strategies for the direct determination of rare earth elements in hard disk magnets using laser-induced breakdown spectroscopy. Talanta, 2020, 208, 120443.	5.5	24
53	Determination of Cd levels in smoke condensate of Brazilian and Paraguayan cigarettes by Thermospray Flame Furnace Atomic Absorption Spectrometry (TS-FF-AAS). Microchemical Journal, 2012, 100, 27-30.	4.5	22
54	Different sample preparation methods for the analysis of suspension fertilizers combining LIBS and liquid-to-solid matrix conversion: determination of essential and toxic elements. Analytical Methods, 2017, 9, 5156-5164.	2.7	22

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55	Calibration strategies to overcome matrix effects in laser-induced breakdown spectroscopy: Direct calcium and phosphorus determination in solid mineral supplements. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2019, 155, 90-98.	2.9	22
56	Folic acid and iron evaluation in Brazilian enriched corn and wheat flours. Journal of the Brazilian Chemical Society, 2008, 19, 53-59.	0.6	21
57	Proposition of a simple method for chromium (VI) determination in soils from remote places applying digital images: A case study from Brazilian Antarctic Station. Microchemical Journal, 2013, 109, 165-169.	4.5	21
58	Chemical data as markers of the geographical origins of sugarcane spirits. Food Chemistry, 2016, 196, 196-203.	8.2	21
59	Direct Determination of Ca, K and Mg in Cassava Flour Samples by Laser-Induced Breakdown Spectroscopy (LIBS). Food Analytical Methods, 2018, 11, 1886-1896.	2.6	21
60	Determination of Cd, Co, Cr, Cu, Ni and Pb in cosmetic samples using a simple method for sample preparation. Analytical Methods, 2015, 7, 329-335.	2.7	20
61	Analysis of Cuban nickeliferous minerals by laser-induced breakdown spectroscopy (LIBS): non-conventional sample preparation of powder samples. Analytical Methods, 2018, 10, 533-540.	2.7	19
62	Polymeric nanoparticles loaded with the 3,5,3´-triiodothyroacetic acid (Triac), a thyroid hormone: factorial design, characterization, and release kinetics. Nanotechnology, Science and Applications, 2012, 5, 37.	4.6	18
63	Univariate and multivariate calibration strategies in combination with laser-induced breakdown spectroscopy (LIBS) to determine Ti on sunscreen: A different sample preparation procedure. Optics and Laser Technology, 2019, 109, 648-653.	4.6	18
64	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. Food Research International, 2020, 132, 109037.	6.2	18
65	Chemometrics in analytical chemistry – an overview of applications from 2014 to 2018. Ecletica Quimica, 2019, 44, 11.	0.5	18
66	Mechanised flow system for on-line microwave digestion of food samples with off-line catalytic spectrophotometric determination of cobalt at ng lâ˜1 levels. Analyst, The, 1999, 124, 1873-1877.	3.5	17
67	Evaluation of the mineral profile of textile materials using inductively coupled plasma optical emission spectrometry and chemometrics. Journal of Hazardous Materials, 2010, 182, 325-330.	12.4	17
68	Direct chemical inspection of eye shadow and lipstick solid samples using laser-induced breakdown spectroscopy (LIBS) and chemometrics: proposition of classification models. Analytical Methods, 2016, 8, 5851-5860.	2.7	17
69	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. Food Analytical Methods, 2020, 13, 69-77.	2.6	17
70	Calibration strategies for determination of Pb content in recycled polypropylene from car batteries using laser-induced breakdown spectroscopy (LIBS). Microchemical Journal, 2020, 159, 105558.	4.5	17
71	TS-FF-AAS and multivariate calibration: A proposition for sewage sludge slurry sample analyses. Talanta, 2007, 71, 620-626.	5.5	16
72	Nutritional deficiency in citrus with symptoms of citrus variegated chlorosis disease. Brazilian Journal of Biology, 2009, 69, 859-864.	0.9	16

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73	Biomonitoring of lead in Antarctic lichens using laser ablation inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 2011, 26, 2238.	3.0	16
74	Obtaining information about valuable metals in computer and mobile phone scraps using laser-induced breakdown spectroscopy (LIBS). RSC Advances, 2015, 5, 67001-67010.	3.6	16
75	Application of Laserâ€Induced Breakdown Spectroscopy and Hyperspectral Images for Direct Evaluation of Chemical Elemental Profiles of Coprolites. Geostandards and Geoanalytical Research, 2017, 41, 273-282.	3.1	16
76	Proposition of electronic waste as a reference material â€" part 1: sample preparation, characterization and chemometric evaluation. Journal of Analytical Atomic Spectrometry, 2019, 34, 2394-2401.	3.0	16
77	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. Food Analytical Methods, 2020, 13, 1017-1026.	2.6	16
78	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. Journal of Analytical Atomic Spectrometry, 2020, 35, 1115-1124.	3.0	16
79	Fluorescence images combined to statistic test for fingerprinting of citrus plants after bacterial infection. Analytical Methods, 2011, 3, 552.	2.7	15
80	Proposition of classification models for the direct evaluation of the quality of cattle and sheep leathers using laser-induced breakdown spectroscopy (LIBS) analysis. RSC Advances, 2016, 6, 104827-104838.	3.6	15
81	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. Food Analytical Methods, 2017, 10, 1515-1522.	2.6	15
82	Proposition of electronic waste as a reference material â€" part 2: homogeneity, stability, characterization, and uncertainties. Journal of Analytical Atomic Spectrometry, 2019, 34, 2402-2410.	3.0	15
83	APLICAÃ‡ÃƒO DE PROGRAMA COMPUTACIONAL LIVRE EM PLANEJAMENTO DE EXPERIMENTOS: UM TUTORIAL. Quimica Nova, 2018, 2018, .	0.3	15
84	Application of Multi-energy Calibration for Determination of Chromium and Nickel in Nickeliferous Ores by Laser-induced Breakdown Spectroscopy. Analytical Sciences, 2019, 35, 165-168.	1.6	14
85	Neuro-genetic approach for optimisation of the spectrophotometric catalytic determination of cobalt. Analytica Chimica Acta, 2001, 433, 111-117.	5.4	13
86	Tube atomizers in thermospray flame furnace atomic absorption spectrometry: characterization using X-ray fluorescence, scanning electron microscopy and chemometrics. Journal of Analytical Atomic Spectrometry, 2006, 21, 1298.	3.0	13
87	Ti and Ni tubes combined in thermospray flame furnace atomic absorption spectrometry (TS-FF-AAS) for the determination of copper in biological samples. Microchemical Journal, 2009, 93, 93-98.	4.5	13
88	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. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2002, 57, 1259-1276.	2.9	12
89	Development of achiral and chiral 2D HPLC methods for analysis of albendazole metabolites in microsomal fractions using multivariate analysis for the in vitro metabolism. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2013, 932, 26-33.	2.3	12
90	Comparison of ICP OES and LIBS Analysis of Medicinal Herbs Rich in Flavonoids from Eastern Europe. Journal of the Brazilian Chemical Society, 2016, , .	0.6	12

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91	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. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2019, 154, 25-32.	2.9	12
92	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. Journal of Hazardous Materials, 2020, 399, 122831.	12.4	12
93	Characterization by Fluorescence of Organic Matter from Oxisols under Sewage Sludge Applications. Soil Science Society of America Journal, 2010, 74, 94-104.	2.2	12
94	Potentialities of thermospray flame furnace atomic absorption spectrometry (TS-FF-AAS) in the fast sequential determination of Cd, Cu, Pb and Zn. Analytical Methods, 2009, 1, 215.	2.7	11
95	Determination of As and Sb in mineral waters by fast sequential continuous flow hydride generation atomic absorption spectrometry. Analytical Methods, 2011, 3, 599.	2.7	11
96	Factorial design evaluation of the Suzuki cross-coupling reaction using a magnetically recoverable palladium catalyst. Tetrahedron Letters, 2017, 58, 903-908.	1.4	11
97	Spectroanalytical method for evaluating the technological elements composition of magnets from computer hard disks. Talanta, 2018, 189, 205-210.	5.5	11
98	Multivariate optimization for the development of a sample preparation procedure and evaluation of calibration strategies for nutrient elements determination in handmade chocolate. Microchemical Journal, 2019, 150, 104166.	4.5	11
99	Removal of Cr(VI) from Wastewater of the Tannery Industry by Functionalized Mesoporous Material. Silicon, 2020, 12, 1895-1903.	3.3	11
100	Calibration Strategies Applied to Laser-Induced Breakdown Spectroscopy: A Critical Review of Advances and Challenges. Journal of the Brazilian Chemical Society, 0, , .	0.6	11
101	Variabilidade espacial e temporal de parâmetros físico-quámicos nos rios Turvo, Preto e Grande no estado de São Paulo, Brasil. Quimica Nova, 2010, 33, 1831-1836.	0.3	11
102	Determinação de fosfato em refrigerantes utilizando um scanner de mesa e análise automatizada de dados: um exemplo didático para ensino de quámica. Quimica Nova, 0, , .	0.3	11
103	Investigação da qualidade de farinhas enriquecidas utilizando Análise por Componentes Principais (PCA). Food Science and Technology, 2010, 30, 618-624.	1.7	10
104	A new closed-vessel conductively heated digestion system: fostering plant analysis by inductively coupled plasma optical emission spectroscopy. Journal of Analytical Atomic Spectrometry, 2014, 29, 825-831.	3.0	10
105	Evaluation of the Chemical Composition of Synthetic Leather Using Spectroscopy Techniques. Applied Spectroscopy, 2018, 72, 921-932.	2.2	10
106	Response surface methodology applied to tropical freshwater treatment. Environmental Technology (United Kingdom), 2020, 41, 901-911.	2.2	10
107	Forensic analysis of hand-written documents using laser-induced breakdown spectroscopy (LIBS) and chemometrics. Analytical Methods, 2021, 13, 232-241.	2.7	10
108	Relevant information of concomitants obtained from background signal using thermospray flame furnace atomic absorption spectrometry (TS-FF-AAS) and chemometric tools. Journal of Analytical Atomic Spectrometry, 2009, 24, 304.	3.0	9

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109	Copper electrowinning using a pulsed bed three-dimensional electrode. Hydrometallurgy, 2014, 144-145, 15-22.	4.3	9
110	Fast and direct detection of metal accumulation in marine sediments using laser-induced breakdown spectroscopy (LIBS): a case study from the Bay of Cienfuegos, Cubaâ€. Analytical Methods, 2017, 9, 3713-3719.	2.7	9
111	Wavelength dispersive X-ray fluorescence (WD-XRF) applied to speciation of sulphur in mineral supplement for cattle: Evaluation of the chemical and matrix effects. Microchemical Journal, 2019, 147, 628-634.	4.5	9
112	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. Analytical Methods, 2019, 11, 5543-5552.	2.7	9
113	Minimal-Invasive Analytical Method and Data Fusion: an Alternative for Determination of Cu, K, Sr, and Zn in Cocoa Beans. Food Analytical Methods, 2021, 14, 545-551.	2.6	9
114	Multiway Calibration Strategies in Laser-Induced Breakdown Spectroscopy: A Proposal. Analytical Chemistry, 2021, 93, 6291-6300.	6.5	9
115	LIBS as an alternative method to control an industrial hydrometallurgical process for the recovery of Cu in waste from electro-electronic equipment (WEEE). Microchemical Journal, 2021, 164, 106007.	4.5	9
116	Differentiation of Lippia gracilis Schauer Genotypes by LC Fingerprint and Chemometrics Analyses. Chromatographia, 2010, 72, 275-280.	1.3	8
117	Sequential Determination of Cd, Cu and Pb in Tea Leaves by Slurry Introduction to Thermospray Flame Furnace Atomic Absorption Spectrometry. Food Analytical Methods, 2013, 6, 1607-1610.	2.6	8
118	Determination of Elemental Content in Solder Mask Samples Used in Printed Circuit Boards Using Different Spectroanalytical Techniques. Applied Spectroscopy, 2018, 72, 1205-1214.	2.2	8
119	Neodymium determination in hard drive disks magnets using different calibration approaches for wavelength dispersive X-ray fluorescence. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2020, 164, 105763.	2.9	8
120	Chemical inspection and elemental analysis of electronic waste using data fusion - Application of complementary spectroanalytical techniques. Talanta, 2021, 225, 122025.	5.5	8
121	Avaliação de ICP OES com configuração axial ou radial para determinação de iodo em sal de cozinha. Quimica Nova, 2012, 35, 1299-1305.	0.3	8
122	Avaliação do teor de ferro e zinco e composição centesimal de farinhas de trigo e milho enriquecidas. BJPS: Brazilian Journal of Pharmaceutical Sciences, 2007, 43, 589-596.	0.5	8
123	Old and New Flavors of Flame (Furnace) Atomic Absorption Spectrometry. International Journal of Spectroscopy, 2011, 2011, 1-30.	1.6	7
124	Nest refuse of leaf-cutting ants mineralize faster than leaf fragments: Results from a field experiment in Northeast Brazil. Applied Soil Ecology, 2012, 61, 131-136.	4.3	7
125	Trace element analysis of urine by ICP-MS/MS to identify urinary tract infection. Journal of Analytical Atomic Spectrometry, 2017, 32, 1590-1594.	3.0	7
126	Combination of Multi-Energy Calibration (MEC) and Laser-Induced Breakdown Spectroscopy (LIBS) for Dietary Supplements Analysis and Determination of Ca, Mg and K. Journal of the Brazilian Chemical Society, 2018, , .	0.6	7

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127	Determination of toxic metals in leather by wavelength dispersive X-ray fluorescence (WDXRF) and inductively coupled plasma optical emission spectrometry (ICP OES) with emphasis on chromium. Environmental Monitoring and Assessment, 2018, 190, 618.	2.7	7
128	Qualitative and Quantitative Analysis of Soils Using Laser-Induced Breakdown Spectroscopy and Chemometrics Tools. Journal of Applied Spectroscopy, 2020, 87, 378-386.	0.7	7
129	LASER INDUCED-BREAKDOWN SPECTROSCOPY (LIBS): HISTÃ"RICO, FUNDAMENTOS, APLICAÃ‡Ã•ES E POTENCIALIDADES. Quimica Nova, 2019, , .	0.3	7
130	Authenticity study of Phyllanthus species by NMR and FT-IR Techniques coupled with chemometric methods. Quimica Nova, 2012, 35, 2210-2217.	0.3	6
131	Chemometric tools in chemical fractionation data of soil samples from five antarctic research stations. Journal of the Brazilian Chemical Society, 2012, 23, 1388-1394.	0.6	6
132	Fast Sequential Determination of As and Sb, Bi and Pb by Continuous Flow Hydride Generation Atomic Absorption Spectrometry. Food Analytical Methods, 2013, 6, 1212-1222.	2.6	6
133	Chemometric Strategies to Develop a Nanocomposite Electrode for Simultaneous Determination of Ascorbic Acid, Dopamine, and Uric Acid. Electroanalysis, 2013, 25, 1988-1994.	2.9	6
134	Chromium speciation in leather samples: an experiment using digital images, mobile phone and environmental concepts. Ecletica Quimica, 2019, 44, 62.	0.5	6
135	Exploratory analysis of Lâ€™vov platform surfaces for electrothermal atomic absorption spectrometry by using three-way chemometric tools. Analytica Chimica Acta, 2003, 495, 177-193.	5.4	5
136	Evaluation of Different Sample Preparation Procedures Using Chemometrics: Comparison Among Photo-Fenton Reaction, Microwave Irradiation, and Direct Determination of Minerals in Fruit Juices. Food Analytical Methods, 2010, 3, 98-103.	2.6	5
137	Proposition of Sample Preparation Procedure of Cassava Flour with Diluted Acid Using Mixture Design and Evaluation of Nutrient Profiles by Multivariate Data Analysis. Food Analytical Methods, 2020, 13, 145-154.	2.6	5
138	Editorial: Food Analytical Methods in Latin Americaâ€"FANM-LATAM. Food Analytical Methods, 2020, 13, 1-2.	2.6	5
139	Evaluation of the effect of additives on thermo-oxidative and hydrolytic stabilization of recycled post-consumer poly (ethylene terephthalate) using Design of Experiments. Polymer Testing, 2020, 81, 106275.	4.8	5
140	Removal of copper(II) from sugar-cane spirits employing chitosan. Quimica Nova, 2010, 33, 458-460.	0.3	4
141	Simultaneous Degradation of Diuron and Hexazinone Herbicides by Photo-Fenton: Assessment of Concentrations of H_2O_2 and Fe^{2+} by the Response Surface Methodology. Journal of Advanced Oxidation Technologies, 2015, 18, .	0.5	4
142	Strategy of Sample Preparation for Arsenic Determination in Mineral Fertilizers. Journal of the Brazilian Chemical Society, 2016, , .	0.6	4
143	Biosorbent, a promising material for remediation of eutrophic environments: studies in microcosm. Environmental Science and Pollution Research, 2017, 24, 2685-2696.	5.3	4
144	Determination and speciation of phosphorus in fertilizers and mineral supplements for cattle by X-ray absorption near-edge structure spectroscopy: a simple nondestructive method. Analytical Methods, 2019, 11, 1508-1515.	2.7	4

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145	A novel strategy for direct elemental determination using laser-induced breakdown spectroscopy: fluence calibration. Journal of Analytical Atomic Spectrometry, 2021, 36, 2132-2143.	3.0	4
146	Study of Calcium and Sodium Behavior to Identify Milk Adulteration Using Flame Atomic Absorption Spectrometry. Food and Nutrition Sciences (Print), 2012, 03, 1228-1232.	0.4	4
147	Ethanolysis Optimisation of Jupati (<i>Raphia taedigera Mart</i>.) Oil to Biodiesel Using Response Surface Methodology. Journal of the Brazilian Chemical Society, 2015, , .	0.6	4
148	Exploratory Analysis of Micrographic Teflon Images. Mikrochimica Acta, 2001, 136, 55-60.	5.0	3
149	Optimization of sample preparation using statistical methods: spectrophotometric determination of Fe and Co in pharmaceutical samples. Microchemical Journal, 2004, 78, 187-194.	4.5	3
150	Qualitative and Quantitative Chemical Investigation of Orthopedic Alloys by Combining Wet Digestion, Spectroanalytical Methods and Direct Solid Analysis. Journal of the Brazilian Chemical Society, 2017, , .	0.6	3
151	Laser-induced breakdown spectroscopy as a tool for homogeneity measurements in medicine tablets. Laser Physics, 2020, 30, 035701.	1.2	3
152	Laser-induced breakdown spectroscopy (LIBS): applications and calibration strategies. , 0, , .		3
153	Combined discrete nebulization and microextraction process for molybdenum determination by flame atomic absorption spectrometry (FAAS).. Quimica Nova, 2014, 37, .	0.3	3
154	Chemical exploratory analysis of printed circuit board (PCB) using inductively coupled plasma optical emission spectrometry (ICP OES): data treatment and elements correlation. Detritus, 2020, , 131-139.	0.9	3
155	Study of macro and microelements in fish from the Cienfuegos Bay. Relationship with its content in sediments. Environmental Monitoring and Assessment, 2017, 189, 427.	2.7	2
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