

Rochele S Picoloto

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

960
citations

394421

19
h-index

454955

30
g-index

40
all docs

40
docs citations

40
times ranked

880
citing authors

#	ARTICLE	IF	CITATIONS
1	Halogen determination in food and biological materials using plasma-based techniques: challenges and trends of sample preparation. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 1243-1261.	3.0	68
2	Effects of Hg(II) Exposure on MAPK Phosphorylation and Antioxidant System in <i>D. melanogaster</i> . <i>Environmental Toxicology</i> , 2014, 29, 621-630.	4.0	64
3	Microwave-assisted digestion in closed vessels: effect of pressurization with oxygen on digestion process with diluted nitric acid. <i>Analytical Methods</i> , 2010, 2, 734.	2.7	59
4	Total sulfur determination in residues of crude oil distillation using FT-IR/ATR and variable selection methods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 89, 82-87.	3.9	47
5	High-Efficiency Microwave-Assisted Digestion Combined to in Situ Ultraviolet Radiation for the Determination of Rare Earth Elements by Ultrasonic Nebulization ICPMS in Crude Oils. <i>Analytical Chemistry</i> , 2013, 85, 11034-11040.	6.5	47
6	Olive leaves offer more than phenolic compounds – Fatty acids and mineral composition of varieties from Southern Brazil. <i>Industrial Crops and Products</i> , 2015, 71, 122-127.	5.2	44
7	Microwave-assisted ultraviolet digestion of petroleum coke for the simultaneous determination of nickel, vanadium and sulfur by ICP-OES. <i>Talanta</i> , 2015, 144, 1052-1058.	5.5	44
8	Feasibility of halogen determination in noncombustible inorganic matrices by ion chromatography after a novel volatilization method using microwave-induced combustion. <i>Talanta</i> , 2016, 147, 76-81.	5.5	40
9	Simultaneous determination of bromine and iodine in milk powder for adult and infant nutrition by plasma based techniques after digestion using microwave-induced combustion. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2015, 107, 86-92.	2.9	39
10	Feasibility of ultra-trace determination of bromine and iodine in honey by ICP-MS using high sample mass in microwave-induced combustion. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 7957-7964.	3.7	37
11	A simple, rapid and low cost reversed-phase dispersive liquid-liquid microextraction for the determination of Na, K, Ca and Mg in biodiesel. <i>Talanta</i> , 2019, 199, 1-7.	5.5	36
12	Determination of toxic elements in tricyclic active pharmaceutical ingredients by ICP-MS: a critical study of digestion methods. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 352.	3.0	34
13	Determination of bromine and iodine in shrimp and its parts by ICP-MS after decomposition using microwave-induced combustion. <i>Analytical Methods</i> , 2014, 6, 7540.	2.7	33
14	Ultraviolet radiation combined with microwave-assisted wet digestion of Antarctic seaweeds for further determination of toxic elements by ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 260-266.	3.0	32
15	Mercury determination in soil by CVG-ICP-MS after volatilization using microwave-induced combustion. <i>Analytical Methods</i> , 2012, 4, 630-636.	2.7	30
16	Evaluation of bromine and iodine content of milk whey proteins combining digestion by microwave-induced combustion and ICP-MS determination. <i>Food Chemistry</i> , 2016, 190, 364-367.	8.2	29
17	Challenges and trends for halogen determination by inductively coupled plasma mass spectrometry: A review. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8727.	1.5	27
18	Combining pyrohydrolysis and ICP-MS for bromine and iodine determination in airborne particulate matter. <i>Microchemical Journal</i> , 2014, 116, 225-229.	4.5	22

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19	Determination of inorganic pollutants in soil after volatilization using microwave-induced combustion. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2013, 86, 123-130.	2.9	21
20	Simple and Fast Method for Iron Determination in White and Red Wines Using Dispersive Liquid-Liquid Microextraction and Ultraviolet-Visible Spectrophotometry. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 8340-8345.	5.2	19
21	Determination of halogens and sulfur in honey: a green analytical method using a single analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 6475-6484.	3.7	18
22	Development of methods for the determination of cadmium and thallium in oil shale by-products with graphite furnace atomic absorption spectrometry using direct analysis. <i>Microchemical Journal</i> , 2014, 116, 55-61.	4.5	17
23	Reversed-Phase Dispersive Liquid-Liquid Microextraction (RP-DLLME) as a Green Sample Preparation Method for Multielement Determination in Fish Oil by ICP-OES. <i>Food Analytical Methods</i> , 2020, 13, 230-237.	2.6	17
24	Accurate determination of bromine and iodine in medicinal plants by inductively coupled plasma-mass spectrometry after microwave-induced combustion. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2017, 138, 58-63.	2.9	16
25	An in situ pre-concentration method for fluorine determination based on successive digestions by microwave-induced combustion. <i>Talanta</i> , 2019, 194, 314-319.	5.5	14
26	A sample preparation method for fluoride detection by potentiometry with ion-selective electrode in medicinal plants. <i>Journal of Fluorine Chemistry</i> , 2020, 231, 109459.	1.7	13
27	Assessment of inorganic contaminants in golden mussel (<i>Limnoperna fortunei</i>) in Southern Brazil. <i>Journal of the Brazilian Chemical Society</i> , 2012, 23, 846-853.	0.6	12
28	Successive digestions for pre-concentration and ultra-trace determination of Br and I by plasma-based atomic spectrometry and ion chromatography. <i>Microchemical Journal</i> , 2019, 147, 239-244.	4.5	12
29	Feasibility of pyrohydrolysis as a clean method for further fluorine determination by ISE and IC in high purity nuclear grade alumina. <i>Microchemical Journal</i> , 2019, 146, 645-649.	4.5	11
30	Environmental and human health risks associated with exposure to hazardous elements present in urban dust from Barranquilla, Colombian Caribbean. <i>Journal of Environmental Quality</i> , 2021, 50, 350-363.	2.0	11
31	Indirect determination of chlorine and fluorine in eye shadow by ion chromatography after an eco-friendly sample preparation method based on combustion reaction. <i>Microchemical Journal</i> , 2019, 150, 104125.	4.5	10
32	Simultaneous diffuse reflectance infrared determination of clavulanic acid and amoxicillin using multivariate calibration techniques. <i>Drug Testing and Analysis</i> , 2012, 4, 500-506.	2.6	9
33	Investigating essential and toxic elements in Antarctic macroalgae using a green analytical method. <i>Journal of Applied Phycology</i> , 2017, 29, 741-749.	2.8	8
34	Microwave-assisted extraction for further Cl, Br, and I determination in medicinal plants by ICP-MS: a study of carbon interferences. <i>Journal of Analytical Atomic Spectrometry</i> , 2022, 37, 535-543.	3.0	8
35	Determination of Basic Nitrogen in Residues of Crude Oil Distillation Using ATR-FTIR and Chemometric Methods. <i>Analytical Letters</i> , 2013, 46, 2879-2889.	1.8	5
36	BROMINE AND IODINE DETERMINATION IN EDIBLE SEAWEED BY ICP-MS AFTER DIGESTION BY MICROWAVE-INDUCED COMBUSTION. <i>Quimica Nova</i> , 2014, , .	0.3	3

#	ARTICLE	IF	CITATIONS
37	Development of Green Methods for the Determination of Elemental Impurities in Commercial Pharmaceutical Tablets. Sustainability, 2022, 14, 422.	3.2	2
38	Determination of Inorganic Contaminants in Electrical and Electronic Equipment after Digestion Using Microwave-Assisted Single Reaction Chamber. Journal of the Brazilian Chemical Society, 2016, , .	0.6	1
39	A solid sampling approach for direct determination of Cl and S in flour by an elemental analyzer. Food Chemistry, 2021, 344, 128671.	8.2	1
40	Microwave-Induced Combustion. , 2018, , 98-98.		0