

Fãbio de Souza Dias

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

647
citations

567281

15
h-index

610901

24
g-index

42
all docs

42
docs citations

42
times ranked

587
citing authors

#	ARTICLE	IF	CITATIONS
1	Sustainable extraction bioactive compounds procedures in medicinal plants based on the principles of green analytical chemistry: A review. <i>Microchemical Journal</i> , 2022, 175, 107184.	4.5	54
2	Application of constrained mixture design and Doehlert matrix in the optimization of dispersive liquid-liquid microextraction assisted by ultrasound for preconcentration and determination of cadmium in sediment and water samples by FAAS. <i>Microchemical Journal</i> , 2017, 130, 56-63.	4.5	51
3	Mixture design and Doehlert matrix for optimization of the ultrasonic assisted extraction of caffeic acid, rutin, catechin and trans-cinnamic acid in <i>Physalis angulata</i> L. and determination by HPLC DAD. <i>Microchemical Journal</i> , 2018, 141, 247-252.	4.5	49
4	Optimization of magnetic solid phase microextraction with CoFe ₂ O ₄ nanoparticles unmodified for preconcentration of cadmium in environmental samples by flame atomic absorption spectrometry. <i>Microchemical Journal</i> , 2019, 146, 1095-1101.	4.5	47
5	Multi-element determination of Cd, Pb, Cu, V, Cr, and Mn in ethanol fuel samples using energy dispersive X-ray fluorescence spectrometry after magnetic solid phase microextraction using CoFe ₂ O ₄ nanoparticles. <i>Microchemical Journal</i> , 2018, 142, 144-151.	4.5	32
6	Preconcentration and determination of copper in tobacco leaves samples by using a minicolumn of sisal fiber (<i>Agave sisalana</i>) loaded with Alizarin fluorine blue by FAAS. <i>Talanta</i> , 2012, 89, 276-279.	5.5	27
7	Development and optimization of analytical method for the determination of cadmium from mineral water samples by off-line solid phase extraction system using sisal fiber loaded TAR by FAAS. <i>Microchemical Journal</i> , 2013, 106, 363-367.	4.5	27
8	Multielement Determination in Medicinal Plants and Herbal Medicines Containing <i>Cynara scolymus</i> L., <i>Harpagophytum procumbens</i> D.C., and <i>Maytenus ilifolia</i> (Mart.) ex Reiss from Brazil Using ICP OES. <i>Biological Trace Element Research</i> , 2021, 199, 2330-2341.	3.5	26
9	Determination of copper total and speciation in food samples by flame atomic absorption spectrometry in association with solid-phase extraction with bamboo (<i>Bambusa vulgaris</i>) fiber loaded with bathocuproine. <i>Microchemical Journal</i> , 2017, 132, 351-357.	4.5	23
10	Multi-element determination of copper, iron, nickel, manganese, lead and zinc in environmental water samples by ICP OES after solid phase extraction with a C18 cartridge loaded with 1-(2-pyridylazo)-2-naphthol. <i>Analytical Methods</i> , 2015, 7, 8714-8719.	2.7	22
11	Combination of extraction induced by microemulsion-breaking and pre-concentration using magnetic nanoparticles for multi-element determination of Cd, Cr, Cu and Pb in gasoline samples using energy dispersive X-ray fluorescence spectrometry. <i>Microchemical Journal</i> , 2019, 147, 660-665.	4.5	22
12	Characterization of honey of stingless bees from the Brazilian semi-arid region. <i>Food Chemistry</i> , 2020, 327, 127041.	8.2	22
13	D-optimal mixture design for the optimization of extraction induced by emulsion breaking for multielemental determination in edible vegetable oils by microwave-induced plasma optical emission spectrometry. <i>Talanta</i> , 2020, 219, 121218.	5.5	22
14	Application of multivariate techniques for optimization of direct method for determination of lead in naphtha and petroleum condensate by electrothermal atomic absorption spectrometry. <i>Mikrochimica Acta</i> , 2007, 158, 321-326.	5.0	20
15	Determination of Manganese in Cassava Leaves by Slurry Sampling Flame Atomic Absorption Spectrometry. <i>Analytical Letters</i> , 2009, 42, 2206-2213.	1.8	16
16	Greener ultrasound-assisted extraction of bioactive phenolic compounds in <i>Croton heliotropiifolius</i> Kunth leaves. <i>Microchemical Journal</i> , 2020, 159, 105525.	4.5	16
17	Application of multivariate analysis to assess stress by Cd, Pb and Al in basil (<i>Ocimum basilicum</i> L.) using caffeic acid, rosmarinic acid, total phenolics, total flavonoids and total dry mass in response. <i>Food Chemistry</i> , 2022, 367, 130682.	8.2	16
18	Metals in geopropolis from beehive of <i>Melipona scutellaris</i> in urban environments. <i>Science of the Total Environment</i> , 2018, 634, 687-694.	8.0	14

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19	Geographical characterization of South America wines based on their phenolic and melatonin composition: An exploratory analysis. <i>Microchemical Journal</i> , 2020, 158, 105240.	4.5	14
20	Ultrasound-assisted emulsification of solidified floating organic drop microextracted for pre-concentration of cadmium in food and water samples. <i>Analytical Methods</i> , 2018, 10, 4257-4263.	2.7	13
21	Emulsification solidified floating organic drop microextraction assisted by ultrasound for the determination of nickel, cobalt and copper in oyster and fish samples. <i>Analytical Methods</i> , 2020, 12, 865-871.	2.7	13
22	Fast Determination of Phenolic Compounds in Brazilian Wines from Vale do São Francisco Region by CE. <i>Chromatographia</i> , 2013, 76, 559-563.	1.3	12
23	Determination of Phenolic Acids and Quercetin in Brazilian Red Wines from Vale do São Francisco Region Using Liquid-Liquid Ultrasound-Assisted Extraction and HPLC-DAD-MS. <i>Journal of the Brazilian Chemical Society</i> , 2015, , .	0.6	10
24	Essential and Potentially Toxic Elements from Brazilian Geopropolis Produced by the Stingless Bee <i>Melipona quadrifasciata anthidioides</i> Using ICP OES. <i>Biological Trace Element Research</i> , 2021, 199, 3527-3539.	3.5	10
25	Mixture Design Optimization of an Analytical Procedure for Iron Extraction and Determination From Cassava Leaves by Slurry Sampling Flame Atomic Absorption Spectrometry. <i>Spectroscopy Letters</i> , 2011, 44, 388-392.	1.0	9
26	Phenolic compounds and photosynthetic activity in <i>Physalis angulata</i> L. (Solanaceae) in response to application of abscisic acid exogenous. <i>Phytochemistry Letters</i> , 2020, 40, 96-100.	1.2	9
27	Doehlert matrix for the optimization of ultrasound dispersive liquid-liquid microextraction of melatonin in Argentine and Brazilian wine samples. <i>Microchemical Journal</i> , 2020, 159, 105313.	4.5	8
28	Effect of phyto regulators on the composition of phenolic compounds in chili peppers (<i>Capsicum</i>) Tj ETQq0 0 0 rgBTJ /Overlock 10 Tf 50 3	3.6	8
29	Support vector machine and PCA for the exploratory analysis of <i>Salvia officinalis</i> samples treated with growth regulators based in the agronomic parameters and multielement composition. <i>Food Chemistry</i> , 2022, 373, 131345.	8.2	8
30	Multivariate optimization of an ultrasound-assisted extraction method of bioactive phenolic compounds in malagueta peppers (<i>Capsicum frutescens</i>). <i>Food Analytical Methods</i> , 2021, 14, 2607-2616.	2.6	7
31	Solid phase extraction combined with energy dispersive X-ray fluorescence spectrometry for multielement determination. <i>Applied Spectroscopy Reviews</i> , 2023, 58, 545-561.	6.7	5
32	Biodiesel Trace Element Analysis by Energy Dispersive X-ray Fluorescence Spectrometry Using Magnetic Solid-Phase Microextraction. <i>Energy & Fuels</i> , 2021, 35, 510-518.	5.1	4
33	Multiple response optimization of ultrasound-assisted procedure for multi-element determination in Brazilian wine samples by microwave-induced plasma optical emission spectrometry. <i>Microchemical Journal</i> , 2021, 171, 106857.	4.5	3
34	A Green Analytical Method for Pre-concentration of Uranium in Water Samples Using Minicolumn with Sugarcane Bagasse. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	2.4	2
35	Exploratory analysis in the evaluation of stress due to aluminum presence in <i>Physalis angulata</i> L. and multielement determination by microwave-induced plasma optical emission spectrometry (MIP OES). <i>Environmental Science and Pollution Research</i> , 2021, 28, 5598-5608.	5.3	2
36	Ultrasonic-assisted dispersive liquid-liquid microextraction (US DLLME) of zinc in Brazilian sugarcane spirit samples. <i>Journal of the Iranian Chemical Society</i> , 2021, 18, 603-610.	2.2	1

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37	Efficiency of two digestion methods in determining the presence of metals (Cd, Cu, Cr, Pb and Zn) in geopropolis produced by <i>Melipona scutellaris</i> . <i>Revista Colombiana De Quimica</i> , 2021, 50, 24-29.	0.4	1
38	Development of a green analytical chemistry method for <i>off-line</i> preconcentration of nickel in water and sediments samples with mini-column with bamboo fibres. <i>International Journal of Environmental Analytical Chemistry</i> , 2023, 103, 8454-8464.	3.3	1
39	Development of method for determination and preconcentration of uranium in water samples using XAD-4 resin loaded with Br-PADAP. <i>Journal of the Indian Chemical Society</i> , 2022, 99, 100256.	2.8	1
40	Physical characterization of geopropolis produced by <i>Melipona scutellaris</i> (Hymenoptera: Apidae). <i>Journal of Apicultural Research</i> , 0, , 1-7.	1.5	0
41	Physiological, nutritional, and biochemical indicators of lead tolerance in sunflower genotypes. <i>Semina:Ciencias Agrarias</i> , 2022, 43, 1517-1540.	0.3	0
42	Plantas medicinais e seu potencial controle sobre patógenos de culturas agrícolas. , 2022, , 6-19.		0