

# Marcelo Braga Bueno Guerra

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

521  
citations

623734

14  
h-index

940533

16  
g-index

16  
all docs

16  
docs citations

16  
times ranked

807  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in LIBS and XRF for the analysis of plants. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 919-944.	3.0	67
2	Post-catastrophe Analysis of the Fundão Tailings Dam Failure in the Doce River System, Southeast Brazil: Potentially Toxic Elements in Affected Soils. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	2.4	60
3	Determination of inorganic nutrients in wheat flour by laser-induced breakdown spectroscopy and energy dispersive X-ray fluorescence spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2014, 100, 129-136.	2.9	53
4	Influence of particle size distribution on the analysis of pellets of plant materials by laser-induced breakdown spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2015, 105, 130-135.	2.9	44
5	Comparison of analytical performance of benchtop and handheld energy dispersive X-ray fluorescence systems for the direct analysis of plant materials. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 1667-1674.	3.0	41
6	Post-fire study of the Brazilian Scientific Antarctic Station: Toxic element contamination and potential mobility on the surrounding environment. <i>Microchemical Journal</i> , 2013, 110, 21-27.	4.5	37
7	Determination of silicon in plant materials by laser-induced breakdown spectroscopy. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2013, 83-84, 61-65.	2.9	32
8	Heavy Metals Contamination in Century-Old Manmade Technosols of Hope Bay, Antarctic Peninsula. <i>Water, Air, and Soil Pollution</i> , 2011, 222, 91-102.	2.4	29
9	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> , 2012, 44, 21-25.	8.8	28
10	Direct analysis of plant leaves by EDXRF and LIBS: microsampling strategies and cross-validation. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 1646-1654.	3.0	26
11	Evaluation of micro-energy dispersive X-ray fluorescence spectrometry for the analysis of plant materials. <i>Journal of Analytical Atomic Spectrometry</i> , 2013, 28, 1096.	3.0	25
12	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> , 2013, 109, 165-169.	4.5	21
13	Soil Contamination by Toxic Metals Near an Antarctic Refuge in Robert Island, Maritime Antarctica: A Monitoring Strategy. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	2.4	21
14	Accumulation and spatial distribution of arsenic and phosphorus in the fern <i>Pityrogramma calomelanos</i> evaluated by micro X-ray fluorescence spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 2375-2383.	3.0	18
15	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> , 2019, 154, 25-32.	2.9	12
16	Nest refuse of leaf-cutting ants mineralize faster than leaf fragments: Results from a field experiment in Northeast Brazil. <i>Applied Soil Ecology</i> , 2012, 61, 131-136.	4.3	7