

# Raquel C Machado

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

319  
citations

1040056

9  
h-index

888059

17  
g-index

23  
all docs

23  
docs citations

23  
times ranked

324  
citing authors

#	ARTICLE	IF	CITATIONS
1	Solid sampling: advantages and challenges for chemical element determination—a critical review. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 54-77.	3.0	64
2	Complex samples and spectral interferences in ICP-MS: Evaluation of tandem mass spectrometry for interference-free determination of cadmium, tin and platinum group elements. <i>Microchemical Journal</i> , 2017, 130, 271-275.	4.5	40
3	Multi-energy calibration as a strategy for elemental analysis of fertilizers by microwave-induced plasma optical emission spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 1168-1172.	3.0	39
4	Analytical and reclamation technologies for identification and recycling of precious materials from waste computer and mobile phones. <i>Chemosphere</i> , 2022, 286, 131739.	8.2	26
5	Multielemental Determination of As, Bi, Ge, Sb, and Sn in Agricultural Samples Using Hydride Generation Coupled to Microwave-Induced Plasma Optical Emission Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 4839-4842.	5.2	24
6	Proposition of electronic waste as a reference material — part 1: sample preparation, characterization and chemometric evaluation. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 2394-2401.	3.0	16
7	Proposition of electronic waste as a reference material — part 2: homogeneity, stability, characterization, and uncertainties. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 2402-2410.	3.0	15
8	Coprecipitation magnesium(II) hydroxide as a strategy of pre-concentration for trace elemental determination by microwave-induced plasma optical emission spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2020, 169, 105899.	2.9	14
9	Calibration Strategies Applied to Laser-Induced Breakdown Spectroscopy: A Critical Review of Advances and Challenges. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	11
10	Critical evaluation of internal standardization in ICP tandem mass spectrometry and feasibility of the oxygen reaction for boron determination in plants. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 1179-1184.	3.0	10
11	Internal standardization as a strategy to overcome non-spectral interferences in the determination of As, Cd and Pb in mineral fertilizers by synchronous vertical dual view (SVDV) ICP OES. <i>Analytical Methods</i> , 2020, 12, 39-45.	2.7	8
12	Evaluation of different nebulizers performance on microwave-induced plasma optical emission spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2020, 168, 105867.	2.9	8
13	Oral health, organic and inorganic saliva composition of men with Schizophrenia: Case-control study. <i>Journal of Trace Elements in Medicine and Biology</i> , 2021, 66, 126743.	3.0	8
14	Silicon determination by microwave-induced plasma optical emission spectrometry: Considerations and strategies for the use of tetrafluorboric acid and sodium hydroxide in sample preparation procedures. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2020, 167, 105842.	2.9	8
15	LASER INDUCED-BREAKDOWN SPECTROSCOPY (LIBS): HISTÓRICO, FUNDAMENTOS, APLICAÇÕES E POTENCIALIDADES. <i>Química Nova</i> , 2019, , .	0.3	7
16	Characterization of Synchronous Vertical Dual View Inductively Coupled Plasma Optical Emission Spectrometer with Application for Water Analysis. <i>Analytical Letters</i> , 2016, 49, 2092-2098.	1.8	6
17	Strategy of Sample Preparation for Arsenic Determination in Mineral Fertilizers. <i>Journal of the Brazilian Chemical Society</i> , 2016, , .	0.6	4
18	A novel strategy for direct elemental determination using laser-induced breakdown spectroscopy: fluence calibration. <i>Journal of Analytical Atomic Spectrometry</i> , 2021, 36, 2132-2143.	3.0	4

#	ARTICLE	IF	CITATIONS
19	Evaluation of Inductively Coupled Plasma Tandem Mass Spectrometry for Determination of As in Agricultural Inputs with High REE Contents. <i>Journal of the Brazilian Chemical Society</i> , 2016, , .	0.6	2
20	Self-organizing map applied to the choice of internal standards for the determination of Cd, Pb, Sn, and platinum group elements by inductively coupled plasma mass spectrometry. <i>Talanta</i> , 2021, 233, 122534.	5.5	1
21	Key information related to quality by design (QbD) applications in analytical methods development. <i>Brazilian Journal of Analytical Chemistry</i> , 2020, 8, .	0.5	1
22	Alternative Approaches Applied to Inductively Coupled Plasma Techniques: Multi-Flow and Two-Flow Calibration. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	0