

Lara Lobo Revilla

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

774
citations

471477

17
h-index

526264

27
g-index

42
all docs

42
docs citations

42
times ranked

568
citing authors

#	ARTICLE	IF	CITATIONS
1	Homeostatic alterations related to total antioxidant capacity, elemental concentrations and isotopic compositions in aqueous humor of glaucoma patients. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 515-524.	3.7	10
2	Microsampling of biological fluids for elemental and isotopic analysis by ICP-MS: strategies and applications for disease diagnosis. <i>Journal of Analytical Atomic Spectrometry</i> , 2022, 37, 50-68.	3.0	9
3	Targeted Analysis of Tears Revealed Specific Altered Metal Homeostasis in Age-Related Macular Degeneration. , 2022, 63, 10.		3
4	Pilot study of homeostatic alterations of mineral elements in serum of patients with age-related macular degeneration via elemental and isotopic analysis using ICP-mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 177, 112857.	2.8	14
5	Pulsed radiofrequency glow discharge time-of-flight mass spectrometry: Depth profile analysis of multilayers on conductive and non-conductive substrates. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2020, 168, 105865.	2.9	2
6	Plasma profiling-time of flight mass spectrometry: considerations to exploit its analytical performance for materials characterization. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 702-707.	3.0	1
7	A Provenance Study of Early Bronze Age Artefacts Found in Asturias (Spain) by Means of Metal Impurities and Lead, Copper and Antimony Isotopic Compositions. <i>Archaeometry</i> , 2019, 61, 683-700.	1.3	12
8	Rapid evaluation of different perovskite absorber layers through the application of depth profile analysis using glow discharge " Time of flight mass spectrometry. <i>Talanta</i> , 2019, 192, 317-324.	5.5	3
9	Technical note: Characterization of gold coated ceramics by radiofrequency pulsed glow discharge " time of flight mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 502-507.	3.0	5
10	Elemental Direct Solid Analysis (GD-OES, LIBS, GD-MS and LA-ICP-MS). , 2018, , 1-1.		0
11	Atomic Absorption Spectrometry: Fundamentals, Instrumentation and Capabilities. , 2018, , 137-137.		7
12	Opportunities and challenges of isotopic analysis by laser ablation ICP-MS in biological studies. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 105, 380-390.	11.4	22
13	In-depth component distribution in electrodeposited alloys and multilayers. <i>Journal of Electrochemical Science and Engineering</i> , 2018, 8, 49-71.	3.5	4
14	Characterization of thin film tandem solar cells by radiofrequency pulsed glow discharge " Time of flight mass spectrometry. <i>Talanta</i> , 2017, 165, 289-296.	5.5	11
15	Depth profile analysis of rare earth elements in corroded steels by pulsed glow discharge " time of flight mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 1306-1311.	3.0	12
16	Depth profile analysis with glow discharge spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 920-930.	3.0	33
17	Elemental and isotopic analysis of oral squamous cell carcinoma tissues using sector-field and multi-collector ICP-mass spectrometry. <i>Talanta</i> , 2017, 165, 92-97.	5.5	20
18	Evaluation of different strategies for quantitative depth profile analysis of Cu/NiCu layers and multilayers via pulsed glow discharge " Time of flight mass spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2017, 135, 34-41.	2.9	10

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19	Capabilities of radiofrequency pulsed glow discharge-time of flight mass spectrometry for molecular screening in polymeric materials: positive versus negative ion mode. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 212-219.	3.0	7
20	Isotopic investigation into the raw materials of Late Bronze Age glass making. <i>Journal of Archaeological Science</i> , 2015, 62, 153-160.	2.4	46
21	Development of an isolation procedure and MC-ICP-MS measurement protocol for the study of stable isotope ratio variations of nickel. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 1518-1530.	3.0	38
22	Copper and antimony isotopic analysis via multi-collector ICP-mass spectrometry for provenancing ancient glass. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 58-64.	3.0	46
23	A novel approach to measure isotope ratios via multi-collector ⁴⁰ inductively coupled plasma ⁴⁰ mass spectrometry based on sample mixing with a non-enriched standard. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 4393-4399.	3.7	11
24	Common analyte internal standardization as a tool for correction for mass discrimination in multi-collector inductively coupled plasma-mass spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2013, 89, 20-29.	2.9	19
25	Isotopic analysis of antimony using multi-collector ICP-mass spectrometry for provenance determination of Roman glass. <i>Journal of Analytical Atomic Spectrometry</i> , 2013, 28, 1213.	3.0	40
26	Investigation of natural isotopic variation of Sb in stibnite ores via multi-collector ICP-mass spectrometry ⁴⁰ perspectives for Sb isotopic analysis of Roman glass. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 1304.	3.0	38
27	An ion source for radiofrequency-pulsed glow discharge time-of-flight mass spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2012, 76, 159-165.	2.9	10
28	Pulsed glow discharge time of flight mass spectrometry for the screening of polymer-based coatings containing brominated flame retardants. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 318-326.	3.0	14
29	Quantitative depth profiling of boron and arsenic ultra low energy implants by pulsed rf-GD-ToFMS. <i>Journal of Analytical Atomic Spectrometry</i> , 2011, 26, 542-549.	3.0	18
30	A purged argon pre-chamber for analytical glow discharge ⁴⁰ time of flight mass spectrometry applications. <i>Journal of Analytical Atomic Spectrometry</i> , 2011, 26, 798-803.	3.0	9
31	Present and future of glow discharge ⁴⁰ Time of flight mass spectrometry in analytical chemistry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2011, 66, 399-412.	2.9	38
32	Polymer screening by radiofrequency glow discharge time-of-flight mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 2863-2869.	3.7	23
33	Quantitative depth profile analysis of boron implanted silicon by pulsed radiofrequency glow discharge time-of-flight mass spectrometry. <i>Solar Energy Materials and Solar Cells</i> , 2010, 94, 1352-1357.	6.2	33
34	Pulsed radiofrequency glow discharge time ⁴⁰ of ⁴⁰ flight mass spectrometry for molecular depth profiling of polymer ⁴⁰ based films. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 549-556.	1.5	39
35	¹⁸ O/ ¹⁶ O isotopic separation in anodic tantalum films by glow discharge time ⁴⁰ of ⁴⁰ flight mass spectrometry. <i>Surface and Interface Analysis</i> , 2009, 41, 966-973.	1.8	14
36	A comparison of non-pulsed radiofrequency and pulsed radiofrequency glow discharge orthogonal time-of-flight mass spectrometry for analytical purposes. <i>Journal of Analytical Atomic Spectrometry</i> , 2009, 24, 1373.	3.0	50

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37	The concept of plasma cleaning in glow discharge spectrometry. Journal of Analytical Atomic Spectrometry, 2009, 24, 734.	3.0	40
38	Pulsed radiofrequency glow discharge time of flight mass spectrometer for the direct analysis of bulk and thin coated glasses. Journal of Analytical Atomic Spectrometry, 2008, 23, 1239.	3.0	54
39	Nitrogen effects in multi-matrix calibrations by radiofrequency glow discharge " optical emission spectrometry. Analytical and Bioanalytical Chemistry, 2007, 389, 743-752.	3.7	7
40	Exploring the possibilities of calcium isotopic analysis in aqueous humor using a fast and miniaturized calcium isolation procedure. Journal of Analytical Atomic Spectrometry, 0, , .	3.0	0