

# MarÃ-a del Mar LÃ³pez Guerrero

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

455  
citations

759233

12  
h-index

713466

21  
g-index

28  
all docs

28  
docs citations

28  
times ranked

566  
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct solid sampling for speciation of Zn <sup>2+</sup> and ZnO nanoparticles in cosmetics by graphite furnace atomic absorption spectrometry. <i>Talanta</i> , 2021, 223, 121795.	5.5	20
2	Sensitive determination of mercury by magnetic dispersive solid-phase extraction combined with flow-injection-cold vapour-graphite furnace atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2021, 36, 892-899.	3.0	11
3	PROBLEM BASED LEARNING (PBL) TO MOTIVATE ENGINEERING STUDENTS, DETERMINING THE QUALITY OF AN OLIVE OIL AT THE LABORATORY. <i>EDULEARN Proceedings</i> , 2021, , .	0.0	0
4	CHEMISTRY IN ENGINEERING STUDIES. <i>EDULEARN Proceedings</i> , 2021, , .	0.0	0
5	Magnetic dispersive solid phase extraction for simultaneous enrichment of cadmium and lead in environmental water samples. <i>Microchemical Journal</i> , 2020, 155, 104796.	4.5	40
6	Comparative Study of Synthesis Methods to Prepare New Functionalized Adsorbent Materials Based on MNPsâ€“GO Coupling. <i>Nanomaterials</i> , 2020, 10, 304.	4.1	7
7	Simultaneous determination of noble metals, Sb and Hg by magnetic solid phase extraction on line ICP OES based on a new functionalized magnetic graphene oxide. <i>Microchemical Journal</i> , 2019, 150, 104141.	4.5	39
8	Determination of As, Sb and Hg in water samples by flow injection coupled HR CS ETAAS with an in situ hydride generator. <i>Microchemical Journal</i> , 2018, 138, 109-115.	4.5	22
9	Speciation analysis of inorganic arsenic by magnetic solid phase extraction on-line with inductively coupled mass spectrometry determination. <i>Talanta</i> , 2018, 184, 251-259.	5.5	46
10	Simultaneous determination of V, Ni and Fe in fuel fly ash using solid sampling high resolution continuum source graphite furnace atomic absorption spectrometry. <i>Talanta</i> , 2018, 179, 1-8.	5.5	15
11	Using Flipped classroom at University to improve the chemistry learning. , 2018, , .		0
12	Cold vapour generation electrothermal atomic absorption spectrometry and solid phase extraction based on a new nanosorbent for sensitive Hg determination in environmental samples (sea water and Tj ETQq0 0 0 rgBT /Overlock 10 T		
13	Simultaneous determination of traces of Pt, Pd, Os, Ir, Rh, Ag and Au metals by magnetic SPE ICP OES and in situ chemical vapour generation. <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 2281-2291.	3.0	17
14	Development of a new FT-IR method for the determination of iron oxide. Optimization of the synthesis of suitable magnetic nanoparticles as sorbent in magnetic solid phase extraction. <i>New Journal of Chemistry</i> , 2017, 41, 8804-8811.	2.8	13
15	Characterization of solid magnetic nanoparticles by means of solid sampling high resolution continuum source electrothermal atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 2391-2398.	3.0	10
16	Simultaneous determination of chemical vapour generation forming elements (As, Bi, Sb, Se, Sn, Cd, Pt,) Tj ETQq0 0 0 rgBT /Overlock 10 T <i>Analytical Atomic Spectrometry</i> , 2016, 31, 975-984.	3.0	26
17	Development of an on-line solid phase extraction method based on new functionalized magnetic nanoparticles. Use in the determination of mercury in biological and sea-water samples. <i>Talanta</i> , 2016, 153, 228-239.	5.5	55
18	Time-Resolved Spectroscopy for Selective Determination of Fluorescent Diuretics. <i>Spectroscopy Letters</i> , 2015, 48, 481-486.	1.0	6

#	ARTICLE	IF	CITATIONS
19	High resolution continuum source atomic absorption spectrometry and solid phase extraction for the simultaneous separation/preconcentration and sequential monitoring of Sb, Bi, Sn and Hg in low concentrations. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 1169-1178.	3.0	21
20	The effect of a multimedia application in the oxidation-reduction reaction learning process. , 2014, , .		0
21	Synthesis and characterization of a novel mesoporous silica functionalized with [1,5 bis(di-2-pyridyl)methylene thiocarbohydrazide] and its application as enrichment sorbent for determination of antimony by Flâ€™HGâ€™ETAAS. <i>Talanta</i> , 2014, 129, 1-8.	5.5	13
22	Multivariate optimization of the synthesis of titania biomorphic ceramics and development of a FT-IR method for quantification synthesis yield. <i>Ceramics International</i> , 2013, 39, 7861-7867.	4.8	5
23	On-line preconcentration using chelating and ion-exchange minicolumns for the speciation of chromium(iii) and chromium(vi) and their quantitative determination in natural waters by inductively coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 682.	3.0	47
24	Quantitative determination of ZrC in new ceramic materials by Fourier transform infrared spectroscopy. <i>Ceramics International</i> , 2011, 37, 607-613.	4.8	11
25	Simultaneous determination of glycols based on fluorescence anisotropy. <i>Analytica Chimica Acta</i> , 2007, 582, 92-97.	5.4	5
26	Modulated anisotropy fluorescence for quantitative determination of carbaryl and benomyl. <i>Talanta</i> , 2003, 60, 629-634.	5.5	11