Elisa Vereda Alonso

List of Publications by Year
in descending order

62	1,405	331670 21	377865 34
papers	citations	h-index	g-index

64	64	64	1402
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A novel approach for adapting the standard addition method to single particle-ICP-MS for the accurate determination of NP size and number concentration in complex matrices. Analytica Chimica Acta, 2022, 1205, 339738.	5.4	15
2	Magnetic graphene molecularly imprinted polypyrrole polymer (MGO@MIPy) for electrochemical sensing of malondialdehyde in serum samples. Microchemical Journal, 2022, 178, 107377.	4.5	7
3	Direct solid sampling for speciation of Zn2+ and ZnO nanoparticles in cosmetics by graphite furnace atomic absorption spectrometry. Talanta, 2021, 223, 121795.	5.5	20
4	Sensitive determination of mercury by magnetic dispersive solid-phase extraction combined with flow-injection-cold vapour-graphite furnace atomic absorption spectrometry. Journal of Analytical Atomic Spectrometry, 2021, 36, 892-899.	3.0	11
5	Semiautomatic method for the ultra-trace arsenic speciation in environmental and biological samples via magnetic solid phase extraction prior to HPLC-ICP-MS determination. Talanta, 2021, 235, 122769.	5.5	22
6	Magnetic dispersive solid phase extraction for simultaneous enrichment of cadmium and lead in environmental water samples. Microchemical Journal, 2020, 155, 104796.	4.5	40
7	Comparative Study of Synthesis Methods to Prepare New Functionalized Adsorbent Materials Based on MNPsâ€“GO Coupling. Nanomaterials, 2020, 10, 304.	4.1	7
8	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. Microchemical Journal, 2019, 150, 104141.	4.5	39
9	Determination of As, Sb and Hg in water samples by flow injection coupled HR CS ETAAS with an in situ hydride generator. Microchemical Journal, 2018, 138, 109-115.	4.5	22
10	Speciation analysis of inorganic arsenic by magnetic solid phase extraction on-line with inductively coupled mass spectrometry determination. Talanta, 2018, 184, 251-259.	5.5	46
11	Simultaneous determination of V, Ni and Fe in fuel fly ash using solid sampling high resolution continuum source graphite furnace atomic absorption spectrometry. Talanta, 2018, 179, 1-8.	5.5	15
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	4.5	9
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. Journal of Analytical Atomic Spectrometry, 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. New Journal of Chemistry, 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. Journal of Analytical Atomic Spectrometry, 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 Analytical Atomic Spectrometry, 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. Talanta, 2016, 153, 228-239.	5.5	55
18	Simultaneous determination of traces of Pt, Pd, and Ir by SPE-ICP-OES. Test for chemical vapor generation. Microchemical Journal, 2016, 124, 82-89.	4.5	24

#	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. Journal of Analytical Atomic Spectrometry, 2015, 30, 1169-1178.	3.0	21
20	Use of a new enrichment nanosorbent for speciation of mercury by FI-CV-ICP-MS. Journal of Analytical Atomic Spectrometry, 2015, 30, 2429-2440.	3.0	23
21	Exposure assessment of heavy metals in water and sediments from a Western Mediterranean basin (Rio) Tj ETQq1 1 0.784314 rgBT /Ov Analytical Chemistry, 2014, 94, 441-462.	3.3	4
22	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. Talanta, 2014, 129, 1-8.	5.5	13
23	Sequential determination of Pb, Cd and Hg by flow injection-chemical vapour generation-inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 2013, 28, 1772.	3.0	15
24	Multivariate optimization of the synthesis of titania biomorphic ceramics and development of a FT-IR method for quantification synthesis yield. Ceramics International, 2013, 39, 7861-7867.	4.8	5
25	Flow injection on-line solid phase extraction for ultra-trace lead determination with hydride generation electrothermal atomic absorption spectrometry. Analytical Methods, 2013, 5, 2551.	2.7	7
26	Determination of antimony, bismuth and tin in natural waters by flow injection solid phase extraction coupled with online hydride generation inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 2013, 28, 364.	3.0	27
27	Bioavailability of heavy metals in water and sediments from a typical Mediterranean Bay (MÃ¡laga Bay,) Tj ETQq1 1 0.784314 rgBT /Ov	5.0	98
28	Calcium zincate derived heterogeneous catalyst for biodiesel production by ethanolysis. Fuel, 2013, 105, 518-522.	6.4	32
29	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. Journal of Analytical Atomic Spectrometry, 2012, 27, 682.	3.0	47
30	Multi-element determination of Pt, Pd and Ir traces in environmental samples by ICP-MS after pre-concentration. Talanta, 2012, 99, 853-858.	5.5	36
31	Development of a solid phase extraction method for the multielement determination of trace metals in natural waters including sea-water by FI-ICP-MS. Microchemical Journal, 2012, 101, 87-94.	4.5	41
32	Speciation of antimony(iii) and antimony(v) in seawater by flow injection solid phase extraction coupled with online hydride generation inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 2011, 26, 1619.	3.0	41
33	Quantitative determination of ZrC in new ceramic materials by Fourier transform infrared spectroscopy. Ceramics International, 2011, 37, 607-613.	4.8	11
34	Multivariate optimization of the synthesis and of the microwave dissolution of biomorphic silicon carbide ceramics. Microchemical Journal, 2011, 97, 101-108.	4.5	7
35	Fractionation of heavy metals in sediment by using microwave assisted sequential extraction procedure and determination by inductively coupled plasma mass spectrometry. Microchemical Journal, 2011, 98, 234-239.	4.5	63
36	On-line solid-phase chelation for the determination of six metals in sea-water by inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 2010, 25, 1063.	3.0	22

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37	Analytical Chemistry in Spain: from the enlightenment period to the present age. Mikrochimica Acta, 2009, 167, 1-20.	5.0	1
38	Quantitative determinations of SiC and SiO2 in new ceramic materials by Fourier transform infrared spectroscopy. Talanta, 2008, 75, 424-431.	5.5	7
39	Mercury speciation in sea food by flow injection cold vapor atomic absorption spectrometry using selective solid phase extraction. Talanta, 2008, 77, 53-59.	5.5	52
40	Lead ultra-trace on-line preconcentration and determination using selective solid phase extraction and electrothermal atomic absorption spectrometry: applications in seawaters and biological samples. Analytical and Bioanalytical Chemistry, 2006, 385, 1178-1185.	3.7	40
41	Use of spectroscopic techniques for the chemical analysis of biomorphic silicon carbide ceramics. Analytica Chimica Acta, 2005, 528, 129-134.	5.4	14
42	Development of a new system for the speciation of chromium in natural waters and human urine samples by combining ion exchange and ETA-AAS. Journal of Analytical Atomic Spectrometry, 2004, 19, 398-403.	3.0	45
43	Automatic on line preconcentration and determination of lead in water by ICP-AES using a TS-microcolumn. Talanta, 2004, 62, 503-510.	5.5	77
44	Flow injection on-line electrothermal atomic absorption spectrometry. Talanta, 2001, 55, 219-232.	5.5	52
45	Automatic on-line column preconcentration system for determination of cadmium by electrothermal atomic absorption spectrometry. Journal of Analytical Atomic Spectrometry, 2001, 16, 293-295.	3.0	29
46	ANALYTICAL CHEMISTRY IN SPAIN IN RECENT YEARS AND AT PRESENT. Analytical Letters, 2001, 34, 177-183.	1.8	1
47	Computer-assisted qualimetric optimization of analytical methods. Chemometrics and Intelligent Laboratory Systems, 1999, 48, 81-90.	3.5	3
48	Spectrophotometric flow-injection method for determination of sorbic acid in wines. Laboratory Robotics and Automation, 1999, 11, 299-303.	0.2	7
49	Computer-assisted SIMPLEX optimisation of an on-line preconcentration system for determination of nickel in sea-water by electrothermal atomic absorption spectrometry. Journal of Analytical Atomic Spectrometry, 1999, 14, 1033-1037.	3.0	25
50	Indirect determination of nitrate by electrothermal atomic absorption spectrometry using an on-line cadmium microcolumn. Analyst, The, 1998, 123, 1561-1564.	3.5	13
51	Simultaneous Automatic Determination of Trace Amounts of Copper and Cobalt by Use of a Flow-through Sensor and First-derivative Spectrometry. Analyst, The, 1997, 122, 85-88.	3.5	19
52	Quality compromises incorporated in simplex optimisation of a flow injection system. Analytica Chimica Acta, 1997, 348, 129-134.	5.4	12
53	Determination of trace heavy metals in biological samples by inductively-coupled plasma atomic emission spectrometry after extraction with 1,5-bis-(di-2-pyridylmethylene)thiocarbonohydrazide. Talanta, 1996, 43, 493-501.	5.5	10
54	Automatic determination of cobalt at the submicrogram per millilitre level using a flowthrough spectrophotometric sensor. Talanta, 1996, 43, 1941-1947.	5.5	6

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55	On-line separation and sequential determination of trace amounts of heavy metals in biological materials by flow injection inductively coupled plasma atomic emission spectrometry. Journal of Analytical Atomic Spectrometry, 1996, 11, 107-110.	3.0	16
56	Separation and determination of Cd in biological materials by continuous-flow fluid extraction coupled to flow-injection ICP-AES. Fresenius' Journal of Analytical Chemistry, 1995, 351, 802-804.	1.5	6
57	Determination of nickel in biological samples prepared by microwave dissolution using electrothermal atomic absorption spectrometry after extraction with 1,5-bis[pheny-(2-pyridyl)methylene]thiocarbonhydrazide. Analytica Chimica Acta, 1993, 283, 224-229.	5.4	11
58	Determination of nickel in biological samples by ETA-AAS and ICP-AES after acidic dissolution (with) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 41-45.	5.0	8
59	Determination of nickel in biological samples by inductively coupled plasma atomic emission spectrometry after extraction with 1,5-bis[phenyl-(2-pyridyl)methylene]thiocarbonohydrazide. Journal of Analytical Atomic Spectrometry, 1993, 8, 843-846.	3.0	9
60	Determination of nickel in biological materials after microwave dissolution using inductively coupled plasma atomic emission spectrometry with prior extraction into butan-1-ol. Analyst, The, 1992, 117, 1157-1160.	3.5	10
61	Determination of nickel in biological samples by inductively coupled plasma spectrometry after extraction with 1,5-bis(di-2-pyridylmethylene)thiocarbonohydrazide. Fresenius' Journal of Analytical Chemistry, 1991, 340, 262-264.	1.5	6
62	Determination of Nickel in Biological Samples by Electrothermal Atomization-Atomic Absorption Spectrometry Involving a Prior Extraction with 1,5-Bis (Di-2-Pyridylmethylene) Thiocarbono-Hydrazide. Analytical Letters, 1991, 24, 153-166.	1.8	11