Elisa Vereda Alonso

List of Publications by Year
in descending order

62 papers	1,405 citations	331670 21 h-index	377865 34 g-index
64 all docs	64 docs citations	64 times ranked	1402 citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	Flow injection on-line electrothermal atomic absorption spectrometry. Talanta, 2001, 55, 219-232.	5.5	52
6	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
7	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
8	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
9	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
10	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
11	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
12	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
13	Magnetic dispersive solid phase extraction for simultaneous enrichment of cadmium and lead in environmental water samples. Microchemical Journal, 2020, 155, 104796.	4.5	40
14	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
15	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
16	Calcium zincate derived heterogeneous catalyst for biodiesel production by ethanolysis. Fuel, 2013, 105, 518-522.	6.4	32
17	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
18	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

#	Article	IF	Citations
19	Simultaneous determination of chemical vapour generation forming elements (As, Bi, Sb, Se, Sn, Cd, Pt,) Tj ETQq1 1 0.784314 rgBT /Ove Analytical Atomic Spectrometry, 2016, 31, 975-984.	3.0	26
20	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
21	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
22	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
23	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
24	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
25	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
26	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
27	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
28	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
29	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
30	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
31	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
32	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
33	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
34	Use of spectroscopic techniques for the chemical analysis of biomorphic silicon carbide ceramics. Analytica Chimica Acta, 2005, 528, 129-134.	5.4	14
35	Indirect determination of nitrate by electrothermal atomic absorption spectrometry using an on-line cadmium microcolumn. Analyst, The, 1998, 123, 1561-1564.	3.5	13
36	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 FIâ€“HGâ€“ETAAS. Talanta, 2014, 129, 1-8.	5.5	13

#	Article	IF	Citations
37	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
38	Quality compromises incorporated in simplex optimisation of a flow injection system. Analytica Chimica Acta, 1997, 348, 129-134.	5.4	12
39	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
40	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
41	Quantitative determination of ZrC in new ceramic materials by Fourier transform infrared spectroscopy. Ceramics International, 2011, 37, 607-613.	4.8	11
42	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
43	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
44	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
45	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
46	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
47	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 ETQq1 1 0.784314 rgBT /Overl	4.5	9
48	Determination of nickel in biological samples by ETA-AAS and ICP-AES after acidic dissolution (with) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 41-45.	5.0	8
49	Spectrophotometric flow-injection method for determination of sorbic acid in wines. Laboratory Robotics and Automation, 1999, 11, 299-303.	0.2	7
50	Quantitative determinations of SiC and SiO2 in new ceramic materials by Fourier transform infrared spectroscopy. Talanta, 2008, 75, 424-431.	5.5	7
51	Multivariate optimization of the synthesis and of the microwave dissolution of biomorphic silicon carbide ceramics. Microchemical Journal, 2011, 97, 101-108.	4.5	7
52	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
53	Comparative Study of Synthesis Methods to Prepare New Functionalized Adsorbent Materials Based on MNPsâ€“GO Coupling. Nanomaterials, 2020, 10, 304.	4.1	7
54	Magnetic graphene molecularly imprinted polypyrrole polymer (MGO@MIPy) for electrochemical sensing of malondialdehyde in serum samples. Microchemical Journal, 2022, 178, 107377.	4.5	7

#	Article	IF	Citations
55	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
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	Automatic determination of cobalt at the submicrogram per millilitre level using a flowthrough spectrophotometric sensor. Talanta, 1996, 43, 1941-1947.	5.5	6
58	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
59	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
60	Computer-assisted qualimetric optimization of analytical methods. Chemometrics and Intelligent Laboratory Systems, 1999, 48, 81-90.	3.5	3
61	ANALYTICAL CHEMISTRY IN SPAIN IN RECENT YEARS AND AT PRESENT. Analytical Letters, 2001, 34, 177-183.	1.8	1
62	Analytical Chemistry in Spain: from the enlightenment period to the present age. Mikrochimica Acta, 2009, 167, 1-20.	5.0	1