

# Ana Herrero

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

996  
citations

430874

18  
h-index

454955

30  
g-index

50  
all docs

50  
docs citations

50  
times ranked

870  
citing authors

#	ARTICLE	IF	CITATIONS
1	Capability of detection of an analytical method evaluating false positive and false negative (ISO 11843) with partial least squares. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2003, 69, 21-33.	3.5	106
2	Optimisation of a flow injection system with electrochemical detection using the desirability function. <i>Analytica Chimica Acta</i> , 2003, 479, 173-184.	5.4	76
3	Robust regression techniques A useful alternative for the detection of outlier data in chemical analysis. <i>Talanta</i> , 2006, 70, 499-512.	5.5	60
4	Multivariate calibration transfer applied to the routine polarographic determination of copper, lead, cadmium and zinc. <i>Analytica Chimica Acta</i> , 1997, 348, 51-59.	5.4	47
5	Optimization of a GC/MS procedure that uses parallel factor analysis for the determination of bisphenols and their diglycidyl ethers after migration from polycarbonate tableware. <i>Talanta</i> , 2013, 106, 266-280.	5.5	45
6	Occurrence and exposure of 3-monochloropropanediol diesters in edible oils and oil-based foodstuffs from the Spanish market. <i>Food Chemistry</i> , 2019, 270, 214-222.	8.2	38
7	Qualitative and quantitative aspects of the application of genetic algorithm-based variable selection in polarography and stripping voltammetry. <i>Analytica Chimica Acta</i> , 1999, 378, 245-259.	5.4	36
8	Modelling the background current with partial least squares regression and transference of the calibration models in the simultaneous determination of Tl and Pb by stripping voltammetry. <i>Talanta</i> , 1998, 46, 129-138.	5.5	35
9	Valorization of Carob's Germ and Seed Peel as Natural Antioxidant Ingredients in Gluten-Free Crackers. <i>Journal of Food Processing and Preservation</i> , 2017, 41, e12770.	2.0	33
10	Usefulness of parallel factor analysis to handle the matrix effect in the fluorescence determination of tetracycline in whey milk. <i>Analytica Chimica Acta</i> , 2009, 632, 42-51.	5.4	32
11	Vectorial optimization as a methodological alternative to desirability function. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2006, 83, 157-168.	3.5	31
12	A new multiresponse optimization approach in combination with a D-Optimal experimental design for the determination of biogenic amines in fish by HPLC-FLD. <i>Analytica Chimica Acta</i> , 2016, 945, 31-38.	5.4	30
13	A study of robustness with multivariate calibration. Application to the polarographic determination of benzaldehyde. <i>Talanta</i> , 2002, 56, 1039-1048.	5.5	29
14	Determination of the capability of detection of a hyphenated method: application to spectroelectrochemistry. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2002, 61, 63-74.	3.5	25
15	Methodology of multicriteria optimization in chemical analysis Some applications in stripping voltammetry. <i>Talanta</i> , 2005, 65, 246-254.	5.5	24
16	A multivariate multianalyte screening method for sulfonamides in milk based on front-face fluorescence spectroscopy. <i>Analytica Chimica Acta</i> , 2010, 657, 136-146.	5.4	24
17	Multivariate analytical sensitivity in the determination of selenium, copper, lead and cadmium by stripping voltammetry when using soft calibration. <i>Analytica Chimica Acta</i> , 2003, 489, 85-94.	5.4	19
18	Optimization of a FIA system with amperometric detection by means of a desirability function Determination of sulfadiazine, sulfamethazine and sulfamerazine in milk. <i>Talanta</i> , 2008, 75, 274-283.	5.5	19

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19	Usefulness of PARAFAC for the Quantification, Identification, and Description of Analytical Data. <i>Data Handling in Science and Technology</i> , 2015, , 37-81.	3.1	19
20	Optimization of the experimental parameters in the determination of copper(II) by differential-pulse anodic stripping voltammetry and evaluation of the characteristic detection curves. <i>Analyst</i> , The, 1994, 119, 1585-1592.	3.5	18
21	Determination of dichlobenil and its major metabolite (BAM) in onions by PTV-GC-MS using PARAFAC2 and experimental design methodology. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2014, 133, 92-108.	3.5	18
22	Optimum pH for the determination of bisphenols and their corresponding diglycidyl ethers by gas chromatography-mass spectrometry. Migration kinetics of bisphenol A from polycarbonate glasses. <i>Journal of Chromatography A</i> , 2014, 1360, 23-38.	3.7	18
23	Three-way PARAFAC decomposition of chromatographic data for the unequivocal identification and quantification of compounds in a regulatory framework. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2020, 200, 104003.	3.5	18
24	Multiple standard addition with latent variables (MSALV): Application to the determination of copper in wine by using differential-pulse anodic stripping voltammetry. <i>Analytica Chimica Acta</i> , 1994, 293, 277-293.	5.4	17
25	D-optimal experimental design coupled with parallel factor analysis 2 decomposition a useful tool in the determination of triazines in oranges by programmed temperature vaporization-gas chromatography-mass spectrometry when using dispersive-solid phase extraction. <i>Journal of Chromatography A</i> , 2013, 1288, 111-126.	3.7	16
26	Modelling the matrix interference of iron in the multivariate determination of copper by stripping voltammetry Instrument standardization. <i>Talanta</i> , 1999, 49, 801-811.	5.5	15
27	Capability of discrimination: application to soft calibration methods. <i>Analytica Chimica Acta</i> , 2001, 446, 295-309.	5.4	15
28	Carob by-products and seaweeds for the development of functional bread. <i>Journal of Food Processing and Preservation</i> , 2018, 42, e13700.	2.0	15
29	Piecewise Direct Standardization Method Applied to the Simultaneous Determination of Pb(II), Sn(IV) and Cd(II) by Differential Pulse Polarography. <i>Electroanalysis</i> , 1998, 10, 717-721.	2.9	14
30	Optimisation using a surface response methodology of a system with drift. <i>Analytica Chimica Acta</i> , 2003, 498, 119-131.	5.4	14
31	Modelling the relation between CieLab parameters and sensory scores for quality control of red-wine colour. <i>Analyst</i> , The, 1995, 120, 2793-2798.	3.5	13
32	Soft calibration in a flow system with electrochemical detection. <i>Analytica Chimica Acta</i> , 2001, 446, 267-277.	5.4	13
33	Maintenance of Soft Calibration Models in the Determination of Zinc, Cadmium, Lead and Copper by Differential Pulse Anodic Stripping Voltammetry. <i>Electroanalysis</i> , 2004, 16, 748-756.	2.9	10
34	Solving the interference due to coupled reactions in the polarographic determination of benzaldehyde with soft modelling. <i>Journal of Electroanalytical Chemistry</i> , 1997, 432, 223-227.	3.8	9
35	Study of the effect of the presence of silver nanoparticles on migration of bisphenol A from polycarbonate glasses into food simulants. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2018, 176, 66-73.	3.5	8
36	Advantages of a programmed temperature vaporizer inlet and parallel factor analysis in the determination of triazines in the presence of non-intentionally added substances by gas chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 1131-1143.	3.7	6

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37	Partial least squares model inversion in the chromatographic determination of triazines in water. <i>Microchemical Journal</i> , 2021, 164, 105971.	4.5	6
38	Determination of polymer additive residues that migrate from coffee capsules by means of stir bar sorptive extraction-gas chromatography-mass spectrometry and PARAFAC decomposition. <i>Food Packaging and Shelf Life</i> , 2021, 28, 100664.	7.5	5
39	Performance characteristics according to Commission Decision 2002/657/EC in the fluorimetric determination of tetracycline in the absence and in the presence of magnesium. <i>Luminescence</i> , 2007, 22, 518-526.	2.9	4
40	Multivariate detection capability using a neural classifier for nonselective signals. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2002, 61, 89-104.	3.5	3
41	Ad-hoc blocked design for the robustness study in the determination of dichlobenil and 2,6-dichlorobenzamide in onions by programmed temperature vaporization-gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2014, 1370, 187-199.	3.7	3
42	Detection of cold chain breaks using partial least squares-class modelling based on biogenic amine profiles in tuna. <i>Talanta</i> , 2019, 202, 443-451.	5.5	3
43	Robust and non-parametric statistics in the evaluation of figures of merit of analytical methods. Practices for students. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 382, 320-327.	3.7	2
44	Quality of Analytical Measurements: Statistical Methods for Internal Validation. , 2009, , 17-76.		2
45	Impact of time and temperature of storage on the spoilage of swordfish and the evolution of biogenic amines through a multiway model. <i>Journal of Chemometrics</i> , 2018, 32, e2965.	1.3	2
46	Quality of Analytical Measurements: Statistical Methods for Internal Validation. , 2020, , 1-52.		1
47	Partial least squares fine-tuning by a bootstrap estimated signal-noise relation to weight the loadings. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2003, 68, 83-96.	3.5	0
48	APPLICATION OF A PROJECT MANAGEMENT TOOL TO SUPERVISING BACHELOR THESES AND MASTER THESES IN SCIENCES. , 2017, , .		0
49	EDUCATIONAL OENOLOGICAL PROJECT: FROM THE GRAPE TO THE WINE AND FROM THE UNIVERSITY TO THE SECONDARY EDUCATION. <i>INTED Proceedings</i> , 2017, , .	0.0	0
50	A LEARNING STRATEGY IN COLLABORATIVE WORK: RECORDING A VIDEO IN THE LABORATORY. , 2019, , .		0