

# Ana I Jimenez-Abizanda

## List of Publications by Year in descending order

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49  
papers

1,037  
citations

394421

19  
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434195

31  
g-index

49  
all docs

49  
docs citations

49  
times ranked

1002  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of honey from the Canary Islands: determination of the mineral content by atomic absorption spectrophotometry. <i>Food Chemistry</i> , 2005, 93, 449-458.	8.2	204
2	Partial least-squares method in analysis by differential pulse polarography. Simultaneous determination of amiloride and hydrochlorothiazide in pharmaceutical preparations. <i>Analytica Chimica Acta</i> , 1999, 381, 247-256.	5.4	65
3	Simultaneous spectrophotometric determination of drugs in pharmaceutical preparations using multiple linear regression and partial least-squares regression, calibration and prediction methods. <i>Talanta</i> , 1996, 43, 2107-2115.	5.5	62
4	Application of PLS regression to fluorimetric data for the determination of furosemide and triamterene in pharmaceutical preparations and triamterene in urine. <i>Talanta</i> , 2004, 62, 307-316.	5.5	56
5	Silver nanoparticles supported onto a stainless steel wire for direct-immersion solid-phase microextraction of polycyclic aromatic hydrocarbons prior to their determination by GC-FID. <i>Mikrochimica Acta</i> , 2018, 185, 341.	5.0	49
6	Gold nanoparticles based solid-phase microextraction coatings for determining organochlorine pesticides in aqueous environmental samples. <i>Journal of Separation Science</i> , 2017, 40, 2009-2021.	2.5	41
7	Application of principal component regression to the determination of Captopril by differential pulse polarography with no prior removal of dissolved oxygen. <i>Talanta</i> , 1998, 46, 75-82.	5.5	34
8	Micellar electrokinetic capillary chromatography analysis of diuretics in pharmaceutical formulations. <i>Talanta</i> , 2002, 57, 223-231.	5.5	27
9	Multicomponent flow injection based analysis with diode array detection and partial least squares multivariate calibration evaluation. Rapid determination of Ca(II) and Mg(II) in waters and dialysis liquids. <i>Analytica Chimica Acta</i> , 1996, 320, 177-183.	5.4	26
10	Simultaneous determination of diazepam and pyridoxine in synthetic mixtures and pharmaceutical formulations using graphical and multivariate calibration-prediction methods. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1996, 15, 183-192.	2.8	26
11	Simultaneous second-order analogue derivative spectrophotometric determination of vanadium and cobalt in steels. <i>Analyst, The</i> , 1989, 114, 93-96.	3.5	23
12	Multicomponent analysis: Comparison of various graphical and numerical methods. <i>Talanta</i> , 1993, 40, 1687-1694.	5.5	23
13	Simultaneous spectrophotometric determination of diuretics by using multivariate calibration methods. <i>Talanta</i> , 2001, 53, 761-770.	5.5	23
14	Evaluation of multicomponent flow-injection analysis data by use of a partial least squares calibration method. <i>Analytica Chimica Acta</i> , 1995, 310, 53-61.	5.4	22
15	A contribution to the derivative ratio spectrum method. <i>Analytica Chimica Acta</i> , 1995, 317, 83-93.	5.4	22
16	Application of the partial least-squares calibration method to the simultaneous kinetic determination of propoxur, carbaryl, ethiofencarb and formetanate. <i>Analyst, The</i> , 1995, 120, 313-317.	3.5	21
17	Simultaneous determination of amitriptyline, imipramine and perphenazine in pharmaceutical preparations and blood serum by multi-wavelength spectrophotometry. <i>Analytica Chimica Acta</i> , 1991, 252, 107-113.	5.4	20
18	Simultaneous kinetic spectrophotometric determination of five phenolic compounds by reaction with p-aminophenol, using partial least squares data treatment. <i>Analyst, The</i> , 1996, 121, 1321.	3.5	19

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19	Simultaneous Determination of Hydrochlorothiazide and Spironolactone in Pharmaceutical Preparations Using Batch and Dynamic Systems. <i>Microchemical Journal</i> , 1997, 56, 207-215.	4.5	19
20	Core-shell microparticles formed by the metal-organic framework CIM-80(Al) (Silica@CIM-80(Al)) as sorbent material in miniaturized dispersive solid-phase extraction. <i>Talanta</i> , 2020, 211, 120723.	5.5	19
21	Multicomponent analysis by flow injection using a partial least-squares model. Determination of copper and zinc in serum and metal alloys. <i>Analyst, The</i> , 1996, 121, 169-172.	3.5	16
22	SIMULTANEOUS SPECTROPHOTOMETRIC DETERMINATION OF FOLIC ACID, PYRIDOXINE, RIBOFLAVIN, AND THIAMINE BY PARTIAL LEAST-SQUARES REGRESSION. <i>Analytical Letters</i> , 2002, 35, 1677-1691.	1.8	16
23	Simultaneous Determination of Chlorthalidone and Spironolactone with Univariate and Multivariate Calibration: Wavelength Range Selection. <i>Journal of AOAC INTERNATIONAL</i> , 1999, 82, 1054-1063.	1.5	15
24	Simultaneous spectrofluorimetric determination of europium, dysprosium, gadolinium and terbium using chemometric methods. <i>Talanta</i> , 1996, 43, 421-429.	5.5	13
25	Evaluation of multicomponent fluorimetric analytical data by use of partial least-squares calibration. Application to the determination of codeine and ephedrine in urine. <i>Clinica Chimica Acta</i> , 1996, 249, 21-36.	1.1	13
26	Application of the Multiple Linear Regression Method to Differential Pulse Polarography. <i>Analytical Letters</i> , 1994, 27, 1763-1777.	1.8	12
27	Application of partial least squares regression to highly overlapped differential-pulse polarographic peaks. <i>Journal of Electroanalytical Chemistry</i> , 1994, 373, 235-239.	3.8	11
28	A Partial Least-Squares Multivariate Calibration Method for the Simultaneous Spectrophotometric Determination of Spironolactone, Canrenone and Hydrochlorothiazide. <i>Analytical Letters</i> , 1998, 31, 1857-1877.	1.8	11
29	Influence of vegetable coagulant and ripening time on the lipolytic and sensory profile of cheeses made with raw goat milk from Canary breeds. <i>Food Science and Technology International</i> , 2017, 23, 254-264.	2.2	11
30	Braid solid-phase microextraction of polycyclic aromatic hydrocarbons by using fibers coated with silver-based nanomaterials in combination with HPLC with fluorometric detection. <i>Mikrochimica Acta</i> , 2019, 186, 311.	5.0	11
31	Zirconium-Based Metal-Organic Framework Mixed-Matrix Membranes as Analytical Devices for the Trace Analysis of Complex Cosmetic Samples in the Assessment of Their Personal Care Product Content. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 4510-4521.	8.0	11
32	Simultaneous Determination of Perphenazine and Amitriptyline by Derivative Spectrophotometry. <i>Analytical Letters</i> , 1992, 25, 1511-1524.	1.8	10
33	Highly specific spectrophotometric method for palladium(II) determination with 3-(5-tetrazolylazo)-2,6-Diaminotoluene in the presence of chlorides. Kinetic and equilibrium study of reactions. <i>Talanta</i> , 1994, 41, 775-782.	5.5	10
34	Simultaneous determination of drugs in concentration ratios above 40:1 by application of multivariate calibration to absorbance and derivative spectrophotometric signals. <i>Fresenius' Journal of Analytical Chemistry</i> , 1997, 357, 449-456.	1.5	8
35	Influence of the Selected Wavelength Range on the Simultaneous Spectrophotometric Determination of Mixture Components by Use of Partial Least-Squares Regression. <i>Analytical Letters</i> , 1999, 32, 2489-2505.	1.8	8
36	Use of partial least-squares regression for multicomponent determinations based on kinetic spectrofluorimetric data. Simultaneous determination of canrenone and spironolactone in urine. <i>Analyst, The</i> , 2000, 125, 1159-1165.	3.5	8

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37	Characterization of toasted cereal flours from the Canary Islands (gofios). Food Chemistry, 2014, 151, 133-140.	8.2	8
38	Resolution of Ternary and Quaternary Mixtures of Drugs in Pharmaceutical Preparations by Use of Spectrophotometric Data in Conjunction with PLS-1 and PLS-2 Data Processing Methods. Analytical Letters, 1996, 29, 2645-2665.	1.8	6
39	Hybrid Materials Formed with Green Metal-Organic Frameworks and Polystyrene as Sorbents in Dispersive Micro-Solid-Phase Extraction for Determining Personal Care Products in Micellar Cosmetics. Molecules, 2022, 27, 813.	3.8	6
40	Simultaneous Determination of Salicylamide, Acetylsalicylic Acid and Salicylic Acid by Multi-Wavelength Spectrophotometric Methods.. Analytical Letters, 1996, 29, 249-263.	1.8	5
41	UV-Visible First-Derivative Spectrophotometry Applied to an Analysis of a Vitamin Mixture. Journal of Chemical Education, 2001, 78, 793.	2.3	5
42	Simultaneous determination of cobalt(III)-copper(II) and cobalt(III)-nickel(II) mixtures by differential kinetic methods. Mikrochimica Acta, 1989, 97, 303-311.	5.0	4
43	Simultaneous Determination of Barbital and Thiobarbituric Acid by Derivative Spectrophotometry. Spectroscopy Letters, 1992, 25, 257-270.	1.0	4
44	Simultaneous kinetic spectrophotometric determination of spironolactone and canrenone in urine using partial least-squares regression. Talanta, 1999, 49, 143-154.	5.5	4
45	Synthesis and physical characterization of Ag nanoparticles and their interaction with Fe. Journal of Luminescence, 2017, 190, 207-214.	3.1	4
46	Spatial and Temporal Analysis of Temperature and Gaseous Emission Inside a Gallery in An Active Volcanic Island (Tenerife, Canary Islands). Pure and Applied Geophysics, 2019, 176, 3467-3485.	1.9	3
47	Geochemical signals related to the 2011â€“2012 El Hierro submarine eruption. Journal of Volcanology and Geothermal Research, 2019, 381, 32-43.	2.1	2
48	CAPILLARY ZONE ELECTROPHORESIS ANALYSIS OF ANTI-EPILEPTIC DRUGS. Journal of Liquid Chromatography and Related Technologies, 2001, 24, 1921-1928.	1.0	1
49	Selection of Wavelength Range and Number of Factors to be Used in the PLS Treatment of Spectrophotometric Data. Analytical Letters, 2007, 40, 257-280.	1.8	0