

# Mara Cruz Ortiz

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

124  
papers

2,374  
citations

28  
h-index

41  
g-index

126  
ext. papers

2,638  
ext. citations

5.2  
avg, IF

5.03  
L-index

#	Paper	IF	Citations
124	Univariate data analysis versus multivariate approach in liquid chromatography. An application for melamine migration from food contact materials. <i>Microchemical Journal</i> , <b>2022</b> , 181, 107648	4.8	
123	A new approach based on inversion of a partial least squares model searching for a preset analytical target profile. Application to the determination of five bisphenols by liquid chromatography with diode array detector. <i>Analytica Chimica Acta</i> , <b>2021</b> , 1149, 338217	6.6	3
122	Partial least squares model inversion in the chromatographic determination of triazines in water. <i>Microchemical Journal</i> , <b>2021</b> , 164, 105971	4.8	2
121	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> , <b>2021</b> , 28, 100664	8.2	1
120	Principal component regression that minimizes the sum of the squares of the relative errors: Application in multivariate calibration models. <i>Journal of Chemometrics</i> , <b>2021</b> , 35, e3341	1.6	
119	Handling Variables, Inversion of Partial Least Squares Models for Class-Modelling, to Bring Defective Items to Non-Defective Ones. <i>Frontiers in Chemistry</i> , <b>2021</b> , 9, 681958	5	0
118	HPLC-DAD and PARAFAC for the determination of bisphenol-A and another four bisphenols migrating from BPA-free polycarbonate glasses. <i>Microchemical Journal</i> , <b>2021</b> , 168, 106413	4.8	1
117	Method operable design region obtained with a partial least squares model inversion in the determination of ten polycyclic aromatic hydrocarbons by liquid chromatography with fluorescence detection. <i>Journal of Chromatography A</i> , <b>2021</b> , 1657, 462577	4.5	1
116	A modified entropy-based performance criterion for class-modelling with multiple classes. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2021</b> , 217, 104423	3.8	1
115	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> , <b>2020</b> , 200, 104003	3.8	8
114	Impact of the pretreatment of ATR-FTIR signals on the figures of merit when PLS is used. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2020</b> , 201, 104006	3.8	5
113	Residual spaces in latent variables model inversion and their impact in the design space for given quality characteristics. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2020</b> , 203, 104040	3.8	5
112	Procedure to build a signal transfer set, independent of the target analytes, between a portable fluorimeter based on light-emitting diodes and a master fluorimeter. <i>Analytica Chimica Acta</i> , <b>2020</b> , 1106, 33-41	6.6	
111	Quality of Analytical Measurements: Statistical Methods for Internal Validation <b>2020</b> , 1-52		
110	Unequivocal identification and quantification of PAHs content in ternary synthetic mixtures and in smoked tuna by means of excitation-emission fluorescence spectroscopy coupled with PARAFAC. <i>Microchemical Journal</i> , <b>2020</b> , 154, 104561	4.8	4
109	Quality of Analytical Measurements: Univariate Regression <b>2020</b> , 71-105		3
108	Detection of cold chain breaks using partial least squares-class modelling based on biogenic amine profiles in tuna. <i>Talanta</i> , <b>2019</b> , 202, 443-451	6.2	1

107	Kinetic models of migration of melamine and formaldehyde from melamine kitchenware with data of liquid chromatography. <i>Journal of Chromatography A</i> , <b>2019</b> , 1599, 115-124	4.5	7
106	Fluorescence determination of cochineal in strawberry jam in the presence of carmoisine as a quencher by means of four-way PARAFAC decomposition. <i>Food Chemistry</i> , <b>2019</b> , 290, 178-186	8.5	10
105	Improvement in the identification and quantification of UV filters and additives in sunscreen cosmetic creams by gas chromatography/mass spectrometry through three-way calibration techniques. <i>Talanta</i> , <b>2019</b> , 205, 120156	6.2	6
104	Signal transfer with excitation-emission matrices between a portable fluorimeter based on light-emitting diodes and a master fluorimeter. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 285, 240-247	8.5	4
103	The behaviour of Tenax as food simulant in the migration of polymer additives from food contact materials by means of gas chromatography/mass spectrometry and PARAFAC. <i>Journal of Chromatography A</i> , <b>2019</b> , 1589, 18-29	4.5	17
102	Determination of cochineal and erythrosine in cherries in syrup in the presence of quenching effect by means of excitation-emission fluorescence data and three-way PARAFAC decomposition. <i>Talanta</i> , <b>2019</b> , 196, 153-162	6.2	9
101	D-Optimal Design and PARAFAC as Useful Tools for the Optimisation of Signals from Fluorescence Spectroscopy Prior to the Characterisation of Green Tea Samples. <i>Food Analytical Methods</i> , <b>2019</b> , 12, 761-772	3.4	2
100	Effect of the cleaning procedure of Tenax on its reuse in the determination of plasticizers after migration by gas chromatography/mass spectrometry. <i>Talanta</i> , <b>2018</b> , 182, 505-522	6.2	4
99	Easy-to-use procedure to optimise a chromatographic method. Application in the determination of bisphenol-A and phenol in toys by means of liquid chromatography with fluorescence detection. <i>Journal of Chromatography A</i> , <b>2018</b> , 1534, 93-100	4.5	15
98	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> , <b>2018</b> , 176, 66-73	3.8	6
97	Combining excitation-emission matrix fluorescence spectroscopy, parallel factor analysis, cyclodextrin-modified micellar electrokinetic chromatography and partial least squares class-modelling for green tea characterization. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2018</b> , 159, 311-317	3.5	12
96	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> , <b>2018</b> , 32, e2965	1.6	2
95	A computational approach to partial least squares model inversion in the framework of the process analytical technology and quality by design initiatives. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2018</b> , 182, 70-78	3.8	6
94	Migration test of Bisphenol A from polycarbonate cups using excitation-emission fluorescence data with parallel factor analysis. <i>Talanta</i> , <b>2017</b> , 167, 367-378	6.2	29
93	Migration kinetics of primary aromatic amines from polyamide kitchenware: Easy and fast screening procedure using fluorescence. <i>Talanta</i> , <b>2016</b> , 160, 46-55	6.2	12
92	Distribution free methods to model the content of biogenic amines in Spanish wines. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2016</b> , 155, 191-199	3.8	9
91	Robustness testing in the determination of seven drugs in animal muscle by liquid chromatography tandem mass spectrometry. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2016</b> , 151, 172-180	3.8	3
90	Design of bespoke lightweight cement mortars containing waste expanded polystyrene by experimental statistical methods. <i>Materials and Design</i> , <b>2016</b> , 89, 901-912	8.1	19

89	Desirability functions as response in a d-optimal design for evaluating the extraction and purification steps of six tranquillizers and an anti-adrenergic by liquid chromatography-tandem mass spectrometry. <i>Journal of Chemometrics</i> , <b>2016</b> , 30, 58-69	1.6	4
88	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> , <b>2016</b> , 945, 31-38	6.6	19
87	A useful tool for computation and interpretation of trading-off solutions through pareto-optimal front in the field of experimental designs for mixtures. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2016</b> , 158, 210-217	3.8	7
86	Dealing with the ubiquity of phthalates in the laboratory when determining plasticizers by gas chromatography/mass spectrometry and PARAFAC. <i>Journal of Chromatography A</i> , <b>2016</b> , 1464, 124-40	4.5	10
85	Standard addition method based on four-way PARAFAC decomposition to solve the matrix interferences in the determination of carbamate pesticides in lettuce using excitation-emission fluorescence data. <i>Talanta</i> , <b>2015</b> , 138, 86-99	6.2	20
84	Parallel factor analysis for monitoring data from a grape harvest in Qualified Designation of Origin Rioja including spatial and temporal variability. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2015</b> , 146, 347-353	3.8	4
83	Usefulness of PARAFAC for the Quantification, Identification, and Description of Analytical Data. <i>Data Handling in Science and Technology</i> , <b>2015</b> , 37-81	2.7	13
82	Determination of dichlobenil and its major metabolite (BAM) in onions by PTV-GCMS using PARAFAC2 and experimental design methodology. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2014</b> , 133, 92-108	3.8	14
81	Identification and quantification of carbamate pesticides in dried lime tree flowers by means of excitation-emission molecular fluorescence and parallel factor analysis when quenching effect exists. <i>Analytica Chimica Acta</i> , <b>2014</b> , 820, 9-22	6.6	22
80	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> , <b>2014</b> , 1370, 187-99	4.5	3
79	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> , <b>2014</b> , 1360, 23-38	4.5	18
78	Optimization of a headspace solid-phase microextraction and gas chromatography/mass spectrometry procedure for the determination of aromatic amines in water and in polyamide spoons. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2014</b> , 133, 121-135	3.8	26
77	Selection of nearly orthogonal blocks in ad-hoc experimental designs. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2014</b> , 133, 109-120	3.8	5
76	Modelling phenolic and technological maturities of grapes by means of the multivariate relation between organoleptic and physicochemical properties. <i>Analytica Chimica Acta</i> , <b>2013</b> , 761, 53-61	6.6	27
75	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> , <b>2013</b> , 106, 266-80	6.2	39
74	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> , <b>2013</b> , 1296, 179-95	4.5	15
73	Experimental design for the optimization of the derivatization reaction in determining chlorophenols and chloroanisoles by headspace-solid-phase microextraction-gas chromatography/mass spectrometry. <i>Journal of Chromatography A</i> , <b>2013</b> , 1296, 179-95	4.5	16
72	On the construction of experimental designs for a given task by jointly optimizing several quality criteria: Pareto-optimal experimental designs. <i>Analytica Chimica Acta</i> , <b>2012</b> , 754, 39-46	6.6	10

71	Prediction of Zamorano cheese quality by near-infrared spectroscopy assessing false non-compliance and false compliance at minimum permitted limits stated by designation of origin regulations. <i>Talanta</i> , <b>2012</b> , 99, 558-65	6.2	13
70	Develop of a multiway chemometric-based analytical method fulfilling regulatory identification criteria: application to GC-MS pesticide residue analysis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2012</b> , 910, 122-37	3.2	19
69	Optimization of headspace experimental factors to determine chlorophenols in water by means of headspace solid-phase microextraction and gas chromatography coupled with mass spectrometry and parallel factor analysis. <i>Analytica Chimica Acta</i> , <b>2012</b> , 754, 20-30	6.6	22
68	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> , <b>2012</b> , 403, 1131-43	4.4	5
67	Usefulness of a PARAFAC decomposition in the fiber selection procedure to determine chlorophenols by means SPME-GC-MS. <i>Analytical and Bioanalytical Chemistry</i> , <b>2012</b> , 403, 1095-107	4.4	9
66	D-optimal designs and N-way techniques to determine sulfathiazole in milk by molecular fluorescence spectroscopy. <i>Analytica Chimica Acta</i> , <b>2011</b> , 707, 38-46	6.6	17
65	Two class-modelling techniques that give families of class-models and their relation with the structure of the data. <i>Analytical and Bioanalytical Chemistry</i> , <b>2011</b> , 399, 1941-50	4.4	
64	Improving the visualization of the Pareto-optimal front for the multi-response optimization of chromatographic determinations. <i>Analytica Chimica Acta</i> , <b>2011</b> , 687, 129-36	6.6	20
63	Optimization of the derivatization reaction and the solid-phase microextraction conditions using a D-optimal design and three-way calibration in the determination of non-steroidal anti-inflammatory drugs in bovine milk by gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , <b>2011</b> , 1218, 4487-97	4.5	45
62	Analysis of protein chromatographic profiles joint to partial least squares to detect adulterations in milk mixtures and cheeses. <i>Talanta</i> , <b>2010</b> , 81, 255-64	6.2	37
61	Optimization of a solid-phase extraction procedure in the fluorimetric determination of sulfonamides in milk using the second-order advantage of PARAFAC and D-optimal design. <i>Analytical and Bioanalytical Chemistry</i> , <b>2010</b> , 396, 923-35	4.4	10
60	A multivariate multianalyte screening method for sulfonamides in milk based on front-face fluorescence spectroscopy. <i>Analytica Chimica Acta</i> , <b>2010</b> , 657, 136-46	6.6	21
59	Tutorial on evaluation of type I and type II errors in chemical analyses: from the analytical detection to authentication of products and process control. <i>Analytica Chimica Acta</i> , <b>2010</b> , 674, 123-42	6.6	45
58	Class-modelling techniques that optimize the probabilities of false noncompliance and false compliance. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2010</b> , 103, 25-42	3.8	10
57	D-optimal design used to optimize a multi-response class-modelling method. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2009</b> , 95, 138-143	3.8	8
56	Determination and identification, according to European Union Decision 2002/657/EC, of malachite green and its metabolite in fish by liquid chromatography-tandem mass spectrometry using an optimized extraction procedure and three-way calibration. <i>Journal of Chromatography A</i> , <b>2009</b> , 1216, 5472-82	4.5	41
55	Usefulness of parallel factor analysis to handle the matrix effect in the fluorescence determination of tetracycline in whey milk. <i>Analytica Chimica Acta</i> , <b>2009</b> , 632, 42-51	6.6	28
54	Identification and quantification of ciprofloxacin in urine through excitation-emission fluorescence and three-way PARAFAC calibration. <i>Analytica Chimica Acta</i> , <b>2009</b> , 642, 193-205	6.6	29

53	Study of robustness based on n-way models in the spectrofluorimetric determination of tetracyclines in milk when quenching exists. <i>Analytica Chimica Acta</i> , <b>2009</b> , 651, 149-58	6.6	18
52	Fluorescence quantification of tetracycline in the presence of quenching matrix effect by means of a four-way model. <i>Talanta</i> , <b>2009</b> , 77, 1129-36	6.2	31
51	Response Surface Methodology <b>2009</b> , 345-390		36
50	Quality of Analytical Measurements: Statistical Methods for Internal Validation <b>2009</b> , 17-76		1
49	Quality of Analytical Measurements: Univariate Regression <b>2009</b> , 127-169		7
48	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> , <b>2008</b> , 75, 274-83	6.2	18
47	Chapter 1 Introduction to Ranking Methods. <i>Data Handling in Science and Technology</i> , <b>2008</b> , 1-50	2.7	1
46	Potential of front face fluorescence associated to PLS regression to predict nutritional parameters in heat treated infant formula models. <i>Analytica Chimica Acta</i> , <b>2008</b> , 606, 151-8	6.6	27
45	Pareto-optimal front as a tool to study the behaviour of experimental factors in multi-response analytical procedures. <i>Analytica Chimica Acta</i> , <b>2008</b> , 624, 210-22	6.6	21
44	How to search the experimental conditions that improve a Partial Least Squares calibration model: Application to a flow system with electrochemical detection for the determination of sulfonamides in milk. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2008</b> , 92, 71-82	3.8	10
43	Advantages of PARAFAC calibration in the determination of malachite green and its metabolite in fish by liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , <b>2008</b> , 1187, 1-10	4.5	37
42	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> , <b>2007</b> , 22, 518-26	2.5	4
41	Quantitative determination in chromatographic analysis based on n-way calibration strategies. <i>Journal of Chromatography A</i> , <b>2007</b> , 1158, 94-110	4.5	78
40	Multiresponse optimization and parallel factor analysis, useful tools in the determination of estrogens by gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , <b>2007</b> , 1157, 358-68 <sup>4,5</sup>		34
39	Rapid determination of sulfonamides in milk samples using fluorescence spectroscopy and class modeling with n-way partial least squares. <i>Analytica Chimica Acta</i> , <b>2007</b> , 585, 350-60	6.6	28
38	Validation of an analytical method to determine sulfamides in kidney by HPLC-DAD and PARAFAC2 with first-order derivative chromatograms. <i>Analytica Chimica Acta</i> , <b>2007</b> , 587, 222-34	6.6	37
37	Focused microwave-assisted Soxhlet extraction of acorn oil for determination of the fatty acid profile by GC-MS. Comparison with conventional and standard methods. <i>Analytical and Bioanalytical Chemistry</i> , <b>2007</b> , 388, 451-62	4.4	26
36	Optimization of analytical conditions and validation of a fluorescence method for the determination of sulfadiazine in milk. <i>Analytical and Bioanalytical Chemistry</i> , <b>2007</b> , 388, 957-68	4.4	5

35	Teaching chemometrics. <i>Analytical and Bioanalytical Chemistry</i> , <b>2007</b> , 388, 1557-60	4.4	
34	Analysis of interferences by means a D-optimal screening design and calibration using partial least squares regression in the spectrophotometric determination of Cr(VI). <i>Talanta</i> , <b>2007</b> , 71, 1599-609	6.2	14
33	Robust regression techniques A useful alternative for the detection of outlier data in chemical analysis. <i>Talanta</i> , <b>2006</b> , 70, 499-512	6.2	54
32	Sensitivity and specificity of PLS-class modelling for five sensory characteristics of dry-cured ham using visible and near infrared spectroscopy. <i>Analytica Chimica Acta</i> , <b>2006</b> , 558, 125-131	6.6	70
31	Capability of detection and three-way data. <i>Analytica Chimica Acta</i> , <b>2006</b> , 559, 124-136	6.6	39
30	Vectorial optimization as a methodological alternative to desirability function. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2006</b> , 83, 157-168	3.8	29
29	Methodology of multicriteria optimization in chemical analysis Some applications in stripping voltammetry. <i>Talanta</i> , <b>2005</b> , 65, 246-54	6.2	21
28	The maintenance of a PARAFAC calibration and the second-order property: application to the determination of ciprofloxacin in presence of enrofloxacin by excitation-emission fluorescence. <i>Analytica Chimica Acta</i> , <b>2005</b> , 544, 327-336	6.6	20
27	Outliers in partial least squares regression: Application to calibration of wine grade with mean infrared data. <i>Analytica Chimica Acta</i> , <b>2005</b> , 544, 60-70	6.6	23
26	Optimization of the chromatographic conditions for the determination of hormones by gas chromatography with mass spectrometry detection. <i>Analytica Chimica Acta</i> , <b>2005</b> , 544, 26-35	6.6	16
25	Usefulness of D-optimal designs and multicriteria optimization in laborious analytical procedures. Application to the extraction of quinolones from eggs. <i>Journal of Chromatography A</i> , <b>2005</b> , 1085, 190-8	4.5	32
24	Maintenance of Soft Calibration Models in the Determination of Zinc, Cadmium, Lead and Copper by Differential Pulse Anodic Stripping Voltammetry. <i>Electroanalysis</i> , <b>2004</b> , 16, 748-756	3	10
23	Selecting variables for k-means cluster analysis by using a genetic algorithm that optimises the silhouettes. <i>Analytica Chimica Acta</i> , <b>2004</b> , 515, 87-100	6.6	113
22	Minimum value assured by a method to determine gold in alloys by using laser-induced breakdown spectroscopy and partial least-squares calibration model. <i>Analytica Chimica Acta</i> , <b>2004</b> , 515, 151-157	6.6	24
21	Building robust calibration models for the analysis of estrogens by gas chromatography with mass spectrometry detection. <i>Analytica Chimica Acta</i> , <b>2004</b> , 526, 139-146	6.6	28
20	Determination of quinolones by fluorescent excitation emission. <i>Talanta</i> , <b>2004</b> , 64, 442-51	6.2	11
19	Advances in methodology for the validation of methods according to the International Organization for Standardization. Application to the determination of benzoic and sorbic acids in soft drinks by high-performance liquid chromatography. <i>Journal of Chromatography A</i> , <b>2003</b> , 992, 11-27	4.5	64
18	Optimisation of a flow injection system with electrochemical detection using the desirability function: Application to the determination of hydroquinone in cosmetics. <i>Analytica Chimica Acta</i> , <b>2003</b> , 479, 173-184	6.6	61

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> , <b>2003</b> , 489, 85-94	6.6	16
16	Partial least squares fine-tuning by a bootstrap estimated signal-noise relation to weight the loadings. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2003</b> , 68, 83-96	3.8	
15	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> , <b>2003</b> , 69, 21-33	3.8	88
14	Determination of the capability of detection of a hyphenated method: application to spectroelectrochemistry. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2002</b> , 61, 63-74	3.8	20
13	Preliminary results of an interlaboratory study of chemometric software and methods on NIR data. Predicting the content of crude protein and water in forages. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2002</b> , 63, 93-105	3.8	12
12	Analysis and comparison of SIMCA models for denominations of origin of wines from de Canary Islands (Spain) builds by means of their trace and ultratrace metals content. <i>Analytica Chimica Acta</i> , <b>2002</b> , 472, 161-174	6.6	32
11	A study of robustness with multivariate calibration. Application to the polarographic determination of benzaldehyde. <i>Talanta</i> , <b>2002</b> , 56, 1039-48	6.2	29
10	Soft calibration in a flow system with electrochemical detection. <i>Analytica Chimica Acta</i> , <b>2001</b> , 446, 267-278		12
9	Capability of discrimination: application to soft calibration methods. <i>Analytica Chimica Acta</i> , <b>2001</b> , 446, 295-309	6.6	13
8	Psychophysical parameters of colour and the chemometric characterisation of wines of the certified denomination of origin Bioja. <i>Analytica Chimica Acta</i> , <b>2001</b> , 446, 157-167	6.6	13
7	Quality control decisions with near infrared data. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2000</b> , 53, 69-80	3.8	18
6	Handling intrinsic non-linearity in near-infrared reflectance spectroscopy. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>1999</b> , 49, 215-224	3.8	39
5	Performance of the orthogonal least median squares regression. <i>Analytica Chimica Acta</i> , <b>1997</b> , 348, 11-186.6		2
4	Multivariate calibration transfer applied to the routine polarographic determination of copper, lead, cadmium and zinc. <i>Analytica Chimica Acta</i> , <b>1997</b> , 348, 51-59	6.6	38
3	Using continuum regression for quantitative analysis with overlapping signals obtained by differential pulse polarography. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>1996</b> , 34, 245-262	3.8	23
2	DETARCHI: A program for detection limits with specified assurance probabilities and characteristic curves of detection. <i>TrAC - Trends in Analytical Chemistry</i> , <b>1994</b> , 13, 1-6	14.6	108
1	A program for non-orthogonal rotation in factor analysis. <i>TrAC - Trends in Analytical Chemistry</i> , <b>1993</b> , 12, 226-230	14.6	4