Santiago HernÃ¡ndez-Cassou

List of Publications by Year
in descending order

75 papers	2,248 citations	196777 29 h-index	286692 43 g-index
75 all docs	75 docs citations	75 times ranked	2075 citing authors

#	Article	IF	Citations
1	Second-order multivariate curve resolution applied to rank-deficient data obtained from acid-base spectrophotometric titrations of mixtures of nucleic bases. Chemometrics and Intelligent Laboratory Systems, 1997, 38, 183-196.	1.8	109
2	Multivariate resolution of rank-deficient spectrophotometric data from first-order kinetic decomposition reactions. Journal of Chemometrics, 1998, 12, 183-203.	0.7	98
3	Determination of calcium and total hardness in natural waters using a potentiometric sensor array. Analytica Chimica Acta, 2002, 464, 89-98.	2.6	82
4	Multivariate Curve Resolution and Trilinear Decomposition Methods in the Analysis of Stopped-Flow Kinetic Data for Binary Amino Acid Mixtures. Analytical Chemistry, 1997, 69, 2329-2336.	3.2	81
5	Determination of biogenic amines in wines by pre-column derivatization and high-performance liquid chromatography coupled to mass spectrometry. Journal of Chromatography A, 2009, 1216, 6387-6393.	1.8	78
6	Derivatization strategies for the determination of biogenic amines in wines by chromatographic and electrophoretic techniques. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2011, 879, 1270-1281.	1.2	76
7	Classification and characterisation of Spanish red wines according to their appellation of origin based on chromatographic profiles and chemometric data analysis. Food Chemistry, 2012, 135, 1425-1431.	4.2	71
8	High-performance liquid chromatographic determination of biogenic amines in wines with an experimental design optimization procedure. Analytica Chimica Acta, 2006, 575, 97-105.	2.6	70
9	Cyclic voltammetric simultaneous determination of oxidizable amino acids using multivariate calibration methods. Analytica Chimica Acta, 2000, 405, 153-160.	2.6	58
10	Quantitative determinations in conventional flow injection analysis based on different chemometric calibration statregies: a review. Analytica Chimica Acta, 2001, 438, 335-352.	2.6	55
11	Capillary electrophoresis determination of biogenic amines by field-amplified sample stacking and in-capillary derivatization. Electrophoresis, 2006, 27, 474-483.	1.3	55
12	Determination of biogenic amines in wines by ion-pair liquid chromatography and post-column derivatization with 1,2-naphthoquinone-4-sulphonate. Journal of Chromatography A, 2006, 1130, 130-136.	1.8	54
13	Determination of Polyphenols in Spanish Wines by Capillary Zone Electrophoresis. Application to Wine Characterization by Using Chemometrics. Journal of Agricultural and Food Chemistry, 2012, 60, 8340-8349.	2.4	53
14	Determination of amino acids by ion-pair liquid chromatography with post-column derivatization using 1,2-naphthoquinone-4-sulfonate. Journal of Chromatography A, 1994, 676, 311-319.	1.8	47
15	Spectrophotometric determination of pKa values based on a pH gradient flow-injection system. Analytica Chimica Acta, 2000, 408, 135-143.	2.6	43
16	Amperometric determination of lysine using a lysine oxidase biosensor based on rigid-conducting composites1Presented at BIOSENSORS 98, Berlin, Germany, 3â€“5 June 1998.1. Biosensors and Bioelectronics, 1999, 14, 211-220.	5.3	42
17	Determination of amino acids in overlapped capillary electrophoresis peaks by means of partial least-squares regression. Journal of Chromatography A, 2000, 871, 331-340.	1.8	40
18	Analysis of amino acids in complex samples by using voltammetry and multivariate calibration methods. Analytica Chimica Acta, 2004, 507, 247-253.	2.6	40

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19	Determination of polyphenolic profiles by liquid chromatography-electrospray-tandem mass spectrometry for the authentication of fruit extracts. Analytical and Bioanalytical Chemistry, 2015, 407, 597-608.	1.9	39
20	Characterization, classification and authentication of fruit-based extracts by means of HPLC-UV chromatographic fingerprints, polyphenolic profiles and chemometric methods. Food Chemistry, 2017, 221, 29-38.	4.2	39
21	Characterization of Wines through the Biogenic Amine Contents Using Chromatographic Techniques and Chemometric Data Analysis. Journal of Agricultural and Food Chemistry, 2007, 55, 7453-7461.	2.4	35
22	Determination of tryptophan in feed samples by cyclic voltammetry and multivariate calibration methods. Analyst, The, 1999, 124, 733-737.	1.7	34
23	Strategies for in-capillary derivatization of amino acids in capillary electrophoresis using 1,2-naphthoquinone-4-sulfonate as a labeling reagent. Journal of Chromatography A, 2001, 934, 105-112.	1.8	34
24	Characterization of Fruit Products by Capillary Zone Electrophoresis and Liquid Chromatography Using the Compositional Profiles of Polyphenols: Application to Authentication of Natural Extracts. Journal of Agricultural and Food Chemistry, 2014, 62, 1038-1046.	2.4	34
25	Procedure for the Quantitative Determination of Mixtures of Nucleic Acid Components Based on Multivariate Spectrophotometric Acidâ^'Base Titrations. Analytical Chemistry, 1999, 71, 126-134.	3.2	32
26	Told through the wine: A liquid chromatographyâ€“mass spectrometry interplatform comparison reveals the influence of the global approach on the final annotated metabolites in non-targeted metabolomics. Journal of Chromatography A, 2016, 1433, 90-97.	1.8	32
27	Potentiometric biosensor for lysine analysis based on a chemically immobilized lysine oxidase membrane. Analytica Chimica Acta, 1998, 371, 49-56.	2.6	31
28	Resolution of overlapped peaks of amino acid derivatives in capillary electrophoresis using multivariate curve resolution based on alternating least squares. Electrophoresis, 2000, 21, 563-572.	1.3	31
29	Sensitivity enhancement by on-line preconcentration and in-capillary derivatization for the electrophoretic determination of amino acids. Electrophoresis, 2001, 22, 4355-4361.	1.3	31
30	Determination of polyphenols in wines by liquid chromatography with UV spectrophotometric detection. Journal of Separation Science, 2011, 34, 527-535.	1.3	31
31	Second order multivariate curve resolution applied to the flow injection analysis of mixtures of amino acids. Analytica Chimica Acta, 1996, 335, 41-49.	2.6	29
32	Continuous-Flow and Flow Injection pH Gradients for Spectrophotometric Determinations of Mixtures of Nucleic Acid Components. Analytical Chemistry, 1999, 71, 2215-2220.	3.2	29
33	Flow-injection spectrophotometric determination of reverse transcriptase inhibitors used for acquired immuno deficiency syndrome (AIDS) treatment. Analytica Chimica Acta, 2006, 572, 155-164.	2.6	27
34	Flow injection differential potentiometric determination of lysine by using a lysine biosensor. Analytica Chimica Acta, 2003, 477, 315-324.	2.6	25
35	Potentiality of proton nuclear magnetic resonance and multivariate calibration methods for the determination of dermatan sulfate contamination in heparin samples. Analyst, The, 2000, 125, 933-938.	1.7	24
36	Simultaneous determination of several amino acids with multivariate calibration methods by using a continuous-flow system. Analyst, The, 1995, 120, 305-312.	1.7	23

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37	Chromatographic determination of amino acids by pre-column derivatization using 1,2-naphthoquinone-4-sulfonate as reagent. Journal of Chromatography A, 1996, 740, 21-30.	1.8	23
38	Potentiometric sensor array for the determination of lysine in feed samples using multivariate calibration methods. Fresenius' Journal of Analytical Chemistry, 2001, 371, 1001-1008.	1.5	23
39	Multivariate calibration methods for quantification in strongly overlapping capillary electrophoretic peaks. Journal of Chromatography A, 2001, 909, 259-269.	1.8	23
40	Estimation of the composition of heparin mixtures from various origins using proton nuclear magnetic resonance and multivariate calibration methods. Analytical and Bioanalytical Chemistry, 2002, 373, 259-265.	1.9	22
41	Determination of lysine in pharmaceutical samples containing endogenous ammonium ions by using a lysine oxidase biosensor based on an all-solid-state potentiometric ammonium electrode. Biosensors and Bioelectronics, 1999, 14, 67-75.	5.3	20
42	Continuous flow derivatization system coupled to capillary electrophoresis for the determination of amino acids. Journal of Chromatography A, 2002, 976, 55-64.	1.8	20
43	Fast determination of pKa values of reverse transcriptase inhibitor drugs for AIDS treatment by using pH-gradient flow-injection analysis and multivariate curve resolution. Analytica Chimica Acta, 2005, 554, 177-183.	2.6	20
44	Determination of HIV drugs in biological matrices: A review. Analytica Chimica Acta, 2009, 647, 1-13.	2.6	20
45	Flow-injection and stopped-flow completely continuous flow spectrophotometric determinations of aniline and cyclohexylamine. Analytica Chimica Acta, 1999, 396, 151-159.	2.6	19
46	Ultrahigh pressure liquid chromatography-atmospheric pressure photoionization-tandem mass spectrometry for the determination of polyphenolic profiles in the characterization and classification of cranberry-based pharmaceutical preparations and natural extracts. Analytical Methods, 2016, 8, 4363-4378.	1.3	19
47	Flow-injection spectrophotometric determination of lysine in feed samples. Analytica Chimica Acta, 1993, 281, 593-600.	2.6	18
48	Capillary Electrophoresis Method for the Determination of Amino Acids in Pharmaceutical Samples Based on Precolumn Derivatization Using 1,2-Naphthoquinone-4-Sulfonate. Journal of Chromatographic Science, 1999, 37, 353-359.	0.7	18
49	Flow-injection spectrophotometric determination of cyclamate in sweetener products with sodium 1,2-naphthoquinone-4-sulfonate. Analytica Chimica Acta, 1999, 381, 307-313.	2.6	18
50	pH-Gradient spectrophotometric data files from flow-injection and continuous flow systems for two- and three-way data analysis. Chemometrics and Intelligent Laboratory Systems, 2000, 50, 263-271.	1.8	18
51	Determination of histamine in wines with an on-line pre-column flow derivatization system coupled to high performance liquid chromatography. Analyst, The, 2005, 130, 1286.	1.7	18
52	Multicomponent Determination of Drugs Using Flow-Injection Analysis. Current Pharmaceutical Analysis, 2006, 2, 127-140.	0.3	16
53	Determination of Polyphenols in White Wines by Liquid Chromatography: Application to the Characterization of Alella (Catalonia, Spain) Wines Using Chemometric Methods. Journal of AOAC INTERNATIONAL, 2017, 100, 323-329.	0.7	16
54	Reversed-phase liquid chromatographic method with spectrophotometric detection for the determination of antiretroviral drugs. Analytica Chimica Acta, 2008, 616, 85-94.	2.6	15

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55	Continuous flow extraction of indium with bis(2-ethylhexyl)phosphoric acid in 4-methylpentane-2-one coupled on-line with flame atomic absorption spectrometry. Analytica Chimica Acta, 1987, 201, 325-329.	2.6	13
56	Continuous flow titration system for the generation of multivariate spectrophotometric data in the study of acidâ€"base equilibria. Analytica Chimica Acta, 1995, 312, 189-198.	2.6	13
57	Artificial neural networks for quantification in unresolved capillary electrophoresis peaks. Journal of Separation Science, 2001, 24, 427-434.	1.3	13
58	Resolution and quantification in poorly separated peaks from capillary zone electrophoresis using three-way data analysis methods. Analytica Chimica Acta, 2001, 431, 49-58.	2.6	13
59	Ultra-high-performance liquid chromatography-high-resolution mass spectrometry based metabolomics as a strategy for beer characterization. Journal of the Institute of Brewing, 2016, 122, 430-436.	0.8	13
60	Liquid chromatographic determination of aniline in table-top sweeteners based on pre-column derivatization with 1,2-naphthoquinone-4-sulfonate. Journal of Chromatography A, 1999, 859, 227-233.	1.8	12
61	Determination of polyphenols in the pear pulp matrix by solvent extraction and liquid chromatography with UV-Vis detection. Analytical Methods, 2014, 6, 9769-9776.	1.3	12
62	Flow injection spectrophotometric determination of silicate based on the formation of the ion associate between molybdosilicate and Malachite Green. Analyst, The, 1995, 120, 2601-2604.	1.7	11
63	Determination of ebrotidine metabolites in overlapping peaks from capillary zone electrophoresis using chemometric methods. Electrophoresis, 2001, 22, 71-76.	1.3	11
64	Proton nuclear magnetic resonance characterisation of glycosaminoglycans using chemometric techniques. Analyst, The, 2002, 127, 407-415.	1.7	10
65	Flow-injection determination of zinc by fluorescence spectrometry. Analytica Chimica Acta, 1991, 255, 325-328.	2.6	9
66	A comparison of chemometric methods for the flow injection simultaneous spectrophotometric determination of aniline and cyclohexylamine. Analyst, The, 1999, 124, 745-749.	1.7	9
67	Experimental design for the determination of polyphenols by liquid chromatography: application to the chemometric characterization and classification of beers. Analytical Methods, 2015, 7, 3283-3290.	1.3	9
68	LIQUID CHROMATOGRAPHIC DETERMINATION OF LYSINE BY POTENTIOMETRIC DETECTION WITH A BIOSENSOR. Analytical Letters, 2002, 35, 1313-1325.	1.0	7
69	Assessment of Experimental Factors Affecting the Sensitivity and Selectivity of the Spectrophotometric Estimation of Proanthocyanidins in Foods and Nutraceuticals. Food Analytical Methods, 2021, 14, 485-495.	1.3	7
70	Flow-injection determination of amine contaminants in cyclamate samples based on temperature for controlling selectivity. Analyst, The, 2004, 129, 468-474.	1.7	6
71	Flow-injection determination of zidovudine in plasma samples using multivariate curve resolution. Analytica Chimica Acta, 2007, 592, 173-180.	2.6	6
72	Quantitation in Multianalyte Overlapping Peaks from Capillary Electrophoresis Runs Using Artificial Neural Networks. Journal of Chromatographic Science, 2003, 41, 145-150.	0.7	5

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73	Determination of Histamine in Wine Samples by Flow-Injection Analysis and Multivariate Calibration. Analytical Letters, 2013, 46, 1758-1768.	1.0	5
74	Flow-Injection Spectrophotometric Determination of Amino Acids by Using 1,2-Naphthoquinone-4-sulfonate Immobilized on an Ion Exchange Resin. Analytical Letters, 1998, 31, 313-331.	1.0	3
75	Flow-Injection Differential Spectrophotometric pH Selectivity System for the Determination of Cyclamate Contaminants. Mikrochimica Acta, 2005, 150, 115-123.	2.5	3