

Santiago Hernández-Cassou

List of Publications by Year in descending order

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75
papers

2,248
citations

196777

29
h-index

286692

43
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75
all docs

75
docs citations

75
times ranked

2075
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of Experimental Factors Affecting the Sensitivity and Selectivity of the Spectrophotometric Estimation of Proanthocyanidins in Foods and Nutraceuticals. <i>Food Analytical Methods</i> , 2021, 14, 485-495.	1.3	7
2	Characterization, classification and authentication of fruit-based extracts by means of HPLC-UV chromatographic fingerprints, polyphenolic profiles and chemometric methods. <i>Food Chemistry</i> , 2017, 221, 29-38.	4.2	39
3	Determination of Polyphenols in White Wines by Liquid Chromatography: Application to the Characterization of Alella (Catalonia, Spain) Wines Using Chemometric Methods. <i>Journal of AOAC INTERNATIONAL</i> , 2017, 100, 323-329.	0.7	16
4	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. <i>Analytical Methods</i> , 2016, 8, 4363-4378.	1.3	19
5	Ultra-high-performance liquid chromatography-high-resolution mass spectrometry based metabolomics as a strategy for beer characterization. <i>Journal of the Institute of Brewing</i> , 2016, 122, 430-436.	0.8	13
6	Told through the wine: A liquid chromatography-mass spectrometry interplatform comparison reveals the influence of the global approach on the final annotated metabolites in non-targeted metabolomics. <i>Journal of Chromatography A</i> , 2016, 1433, 90-97.	1.8	32
7	Experimental design for the determination of polyphenols by liquid chromatography: application to the chemometric characterization and classification of beers. <i>Analytical Methods</i> , 2015, 7, 3283-3290.	1.3	9
8	Determination of polyphenolic profiles by liquid chromatography-electrospray-tandem mass spectrometry for the authentication of fruit extracts. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 597-608.	1.9	39
9	Determination of polyphenols in the pear pulp matrix by solvent extraction and liquid chromatography with UV-Vis detection. <i>Analytical Methods</i> , 2014, 6, 9769-9776.	1.3	12
10	Characterization of Fruit Products by Capillary Zone Electrophoresis and Liquid Chromatography Using the Compositional Profiles of Polyphenols: Application to Authentication of Natural Extracts. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 1038-1046.	2.4	34
11	Determination of Histamine in Wine Samples by Flow-Injection Analysis and Multivariate Calibration. <i>Analytical Letters</i> , 2013, 46, 1758-1768.	1.0	5
12	Determination of Polyphenols in Spanish Wines by Capillary Zone Electrophoresis. Application to Wine Characterization by Using Chemometrics. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 8340-8349.	2.4	53
13	Classification and characterisation of Spanish red wines according to their appellation of origin based on chromatographic profiles and chemometric data analysis. <i>Food Chemistry</i> , 2012, 135, 1425-1431.	4.2	71
14	Derivatization strategies for the determination of biogenic amines in wines by chromatographic and electrophoretic techniques. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 1270-1281.	1.2	76
15	Determination of polyphenols in wines by liquid chromatography with UV spectrophotometric detection. <i>Journal of Separation Science</i> , 2011, 34, 527-535.	1.3	31
16	Determination of biogenic amines in wines by pre-column derivatization and high-performance liquid chromatography coupled to mass spectrometry. <i>Journal of Chromatography A</i> , 2009, 1216, 6387-6393.	1.8	78
17	Determination of HIV drugs in biological matrices: A review. <i>Analytica Chimica Acta</i> , 2009, 647, 1-13.	2.6	20
18	Reversed-phase liquid chromatographic method with spectrophotometric detection for the determination of antiretroviral drugs. <i>Analytica Chimica Acta</i> , 2008, 616, 85-94.	2.6	15

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19	Characterization of Wines through the Biogenic Amine Contents Using Chromatographic Techniques and Chemometric Data Analysis. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 7453-7461.	2.4	35
20	Flow-injection determination of zidovudine in plasma samples using multivariate curve resolution. <i>Analytica Chimica Acta</i> , 2007, 592, 173-180.	2.6	6
21	Multicomponent Determination of Drugs Using Flow-Injection Analysis. <i>Current Pharmaceutical Analysis</i> , 2006, 2, 127-140.	0.3	16
22	Flow-injection spectrophotometric determination of reverse transcriptase inhibitors used for acquired immuno deficiency syndrome (AIDS) treatment. <i>Analytica Chimica Acta</i> , 2006, 572, 155-164.	2.6	27
23	High-performance liquid chromatographic determination of biogenic amines in wines with an experimental design optimization procedure. <i>Analytica Chimica Acta</i> , 2006, 575, 97-105.	2.6	70
24	Determination of biogenic amines in wines by ion-pair liquid chromatography and post-column derivatization with 1,2-naphthoquinone-4-sulphonate. <i>Journal of Chromatography A</i> , 2006, 1130, 130-136.	1.8	54
25	Capillary electrophoresis determination of biogenic amines by field-amplified sample stacking and in-capillary derivatization. <i>Electrophoresis</i> , 2006, 27, 474-483.	1.3	55
26	Fast determination of pKa values of reverse transcriptase inhibitor drugs for AIDS treatment by using pH-gradient flow-injection analysis and multivariate curve resolution. <i>Analytica Chimica Acta</i> , 2005, 554, 177-183.	2.6	20
27	Flow-Injection Differential Spectrophotometric pH Selectivity System for the Determination of Cyclamate Contaminants. <i>Mikrochimica Acta</i> , 2005, 150, 115-123.	2.5	3
28	Determination of histamine in wines with an on-line pre-column flow derivatization system coupled to high performance liquid chromatography. <i>Analyst, The</i> , 2005, 130, 1286.	1.7	18
29	Analysis of amino acids in complex samples by using voltammetry and multivariate calibration methods. <i>Analytica Chimica Acta</i> , 2004, 507, 247-253.	2.6	40
30	Flow-injection determination of amine contaminants in cyclamate samples based on temperature for controlling selectivity. <i>Analyst, The</i> , 2004, 129, 468-474.	1.7	6
31	Flow injection differential potentiometric determination of lysine by using a lysine biosensor. <i>Analytica Chimica Acta</i> , 2003, 477, 315-324.	2.6	25
32	Quantitation in Multianalyte Overlapping Peaks from Capillary Electrophoresis Runs Using Artificial Neural Networks. <i>Journal of Chromatographic Science</i> , 2003, 41, 145-150.	0.7	5
33	LIQUID CHROMATOGRAPHIC DETERMINATION OF LYSINE BY POTENTIOMETRIC DETECTION WITH A BIOSENSOR. <i>Analytical Letters</i> , 2002, 35, 1313-1325.	1.0	7
34	Proton nuclear magnetic resonance characterisation of glycosaminoglycans using chemometric techniques. <i>Analyst, The</i> , 2002, 127, 407-415.	1.7	10
35	Estimation of the composition of heparin mixtures from various origins using proton nuclear magnetic resonance and multivariate calibration methods. <i>Analytical and Bioanalytical Chemistry</i> , 2002, 373, 259-265.	1.9	22
36	Determination of calcium and total hardness in natural waters using a potentiometric sensor array. <i>Analytica Chimica Acta</i> , 2002, 464, 89-98.	2.6	82

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37	Continuous flow derivatization system coupled to capillary electrophoresis for the determination of amino acids. <i>Journal of Chromatography A</i> , 2002, 976, 55-64.	1.8	20
38	Potentiometric sensor array for the determination of lysine in feed samples using multivariate calibration methods. <i>Fresenius' Journal of Analytical Chemistry</i> , 2001, 371, 1001-1008.	1.5	23
39	Determination of ebrotidine metabolites in overlapping peaks from capillary zone electrophoresis using chemometric methods. <i>Electrophoresis</i> , 2001, 22, 71-76.	1.3	11
40	Sensitivity enhancement by on-line preconcentration and in-capillary derivatization for the electrophoretic determination of amino acids. <i>Electrophoresis</i> , 2001, 22, 4355-4361.	1.3	31
41	Artificial neural networks for quantification in unresolved capillary electrophoresis peaks. <i>Journal of Separation Science</i> , 2001, 24, 427-434.	1.3	13
42	Resolution and quantification in poorly separated peaks from capillary zone electrophoresis using three-way data analysis methods. <i>Analytica Chimica Acta</i> , 2001, 431, 49-58.	2.6	13
43	Quantitative determinations in conventional flow injection analysis based on different chemometric calibration strategies: a review. <i>Analytica Chimica Acta</i> , 2001, 438, 335-352.	2.6	55
44	Strategies for in-capillary derivatization of amino acids in capillary electrophoresis using 1,2-naphthoquinone-4-sulfonate as a labeling reagent. <i>Journal of Chromatography A</i> , 2001, 934, 105-112.	1.8	34
45	Multivariate calibration methods for quantification in strongly overlapping capillary electrophoretic peaks. <i>Journal of Chromatography A</i> , 2001, 909, 259-269.	1.8	23
46	Resolution of overlapped peaks of amino acid derivatives in capillary electrophoresis using multivariate curve resolution based on alternating least squares. <i>Electrophoresis</i> , 2000, 21, 563-572.	1.3	31
47	Determination of amino acids in overlapped capillary electrophoresis peaks by means of partial least-squares regression. <i>Journal of Chromatography A</i> , 2000, 871, 331-340.	1.8	40
48	Cyclic voltammetric simultaneous determination of oxidizable amino acids using multivariate calibration methods. <i>Analytica Chimica Acta</i> , 2000, 405, 153-160.	2.6	58
49	Spectrophotometric determination of pKa values based on a pH gradient flow-injection system. <i>Analytica Chimica Acta</i> , 2000, 408, 135-143.	2.6	43
50	pH-Gradient spectrophotometric data files from flow-injection and continuous flow systems for two- and three-way data analysis. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2000, 50, 263-271.	1.8	18
51	Potentiality of proton nuclear magnetic resonance and multivariate calibration methods for the determination of dermatan sulfate contamination in heparin samples. <i>Analyst, The</i> , 2000, 125, 933-938.	1.7	24
52	Capillary Electrophoresis Method for the Determination of Amino Acids in Pharmaceutical Samples Based on Precolumn Derivatization Using 1,2-Naphthoquinone-4-Sulfonate. <i>Journal of Chromatographic Science</i> , 1999, 37, 353-359.	0.7	18
53	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. <i>Biosensors and Bioelectronics</i> , 1999, 14, 67-75.	5.3	20
54	Amperometric determination of lysine using a lysine oxidase biosensor based on rigid-conducting composites. Presented at BIOSENSORS 98, Berlin, Germany, 3-5 June 1998.1. <i>Biosensors and Bioelectronics</i> , 1999, 14, 211-220.	5.3	42

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55	Flow-injection spectrophotometric determination of cyclamate in sweetener products with sodium 1,2-naphthoquinone-4-sulfonate. <i>Analytica Chimica Acta</i> , 1999, 381, 307-313.	2.6	18
56	Flow-injection and stopped-flow completely continuous flow spectrophotometric determinations of aniline and cyclohexylamine. <i>Analytica Chimica Acta</i> , 1999, 396, 151-159.	2.6	19
57	Liquid chromatographic determination of aniline in table-top sweeteners based on pre-column derivatization with 1,2-naphthoquinone-4-sulfonate. <i>Journal of Chromatography A</i> , 1999, 859, 227-233.	1.8	12
58	A comparison of chemometric methods for the flow injection simultaneous spectrophotometric determination of aniline and cyclohexylamine. <i>Analyst, The</i> , 1999, 124, 745-749.	1.7	9
59	Procedure for the Quantitative Determination of Mixtures of Nucleic Acid Components Based on Multivariate Spectrophotometric Acid-Base Titrations. <i>Analytical Chemistry</i> , 1999, 71, 126-134.	3.2	32
60	Continuous-Flow and Flow Injection pH Gradients for Spectrophotometric Determinations of Mixtures of Nucleic Acid Components. <i>Analytical Chemistry</i> , 1999, 71, 2215-2220.	3.2	29
61	Determination of tryptophan in feed samples by cyclic voltammetry and multivariate calibration methods. <i>Analyst, The</i> , 1999, 124, 733-737.	1.7	34
62	Potentiometric biosensor for lysine analysis based on a chemically immobilized lysine oxidase membrane. <i>Analytica Chimica Acta</i> , 1998, 371, 49-56.	2.6	31
63	Multivariate resolution of rank-deficient spectrophotometric data from first-order kinetic decomposition reactions. <i>Journal of Chemometrics</i> , 1998, 12, 183-203.	0.7	98
64	Flow-Injection Spectrophotometric Determination of Amino Acids by Using 1,2-Naphthoquinone-4-sulfonate Immobilized on an Ion Exchange Resin. <i>Analytical Letters</i> , 1998, 31, 313-331.	1.0	3
65	Multivariate Curve Resolution and Trilinear Decomposition Methods in the Analysis of Stopped-Flow Kinetic Data for Binary Amino Acid Mixtures. <i>Analytical Chemistry</i> , 1997, 69, 2329-2336.	3.2	81
66	Second-order multivariate curve resolution applied to rank-deficient data obtained from acid-base spectrophotometric titrations of mixtures of nucleic bases. <i>Chemometrics and Intelligent Laboratory Systems</i> , 1997, 38, 183-196.	1.8	109
67	Chromatographic determination of amino acids by pre-column derivatization using 1,2-naphthoquinone-4-sulfonate as reagent. <i>Journal of Chromatography A</i> , 1996, 740, 21-30.	1.8	23
68	Second order multivariate curve resolution applied to the flow injection analysis of mixtures of amino acids. <i>Analytica Chimica Acta</i> , 1996, 335, 41-49.	2.6	29
69	Continuous flow titration system for the generation of multivariate spectrophotometric data in the study of acid-base equilibria. <i>Analytica Chimica Acta</i> , 1995, 312, 189-198.	2.6	13
70	Simultaneous determination of several amino acids with multivariate calibration methods by using a continuous-flow system. <i>Analyst, The</i> , 1995, 120, 305-312.	1.7	23
71	Flow injection spectrophotometric determination of silicate based on the formation of the ion associate between molybdosilicate and Malachite Green. <i>Analyst, The</i> , 1995, 120, 2601-2604.	1.7	11
72	Determination of amino acids by ion-pair liquid chromatography with post-column derivatization using 1,2-naphthoquinone-4-sulfonate. <i>Journal of Chromatography A</i> , 1994, 676, 311-319.	1.8	47

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73	Flow-injection spectrophotometric determination of lysine in feed samples. <i>Analytica Chimica Acta</i> , 1993, 281, 593-600.	2.6	18
74	Flow-injection determination of zinc by fluorescence spectrometry. <i>Analytica Chimica Acta</i> , 1991, 255, 325-328.	2.6	9
75	Continuous flow extraction of indium with bis(2-ethylhexyl)phosphoric acid in 4-methylpentane-2-one coupled on-line with flame atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , 1987, 201, 325-329.	2.6	13