

Anunciacin Espinosa-Mansilla

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109
papers

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109
ext. papers

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ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
109	A new spectrophotometric method for quantitative multicomponent analysis resolution of mixtures of salicylic and salicyluric acids. <i>Talanta</i> , 1990 , 37, 347-51	6.2	284
108	ADSORPTION OF MERCURY, CADMIUM AND LEAD FROM AQUEOUS SOLUTION ON HEAT-TREATED AND SULPHURIZED ACTIVATED CARBON. <i>Water Research</i> , 1998 , 32, 1-4	12.5	147
107	Second-order advantage achieved with four-way fluorescence excitation-emission-kinetic data processed by parallel factor analysis and trilinear least-squares. Determination of methotrexate and leucovorin in human urine. <i>Analytical Chemistry</i> , 2004 , 76, 5657-66	7.8	99
106	Analysis of antibiotics in fish samples. <i>Analytical and Bioanalytical Chemistry</i> , 2009 , 395, 987-1008	4.4	92
105	Interference-free analysis using three-way fluorescence data and the parallel factor model. Determination of fluoroquinolone antibiotics in human serum. <i>Analytical Chemistry</i> , 2003 , 75, 2640-6	7.8	88
104	Trilinear least-squares and unfolded-PLS coupled to residual trilinearization: New chemometric tools for the analysis of four-way instrumental data. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2006 , 80, 77-86	3.8	82
103	HPLC determination of enoxacin, ciprofloxacin, norfloxacin and ofloxacin with photoinduced fluorimetric (PIF) detection and multiemission scanning: application to urine and serum. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005 , 822, 185-93	3.2	79
102	Determination of carbamazepine in serum and pharmaceutical preparations using immobilization on a nylon support and fluorescence detection. <i>Analytica Chimica Acta</i> , 2004 , 506, 161-170	6.6	72
101	Simultaneous determination of sulfadiazine, doxycycline, furaltadone and trimethoprim by partial least squares multivariate calibration. <i>Analytica Chimica Acta</i> , 1995 , 313, 103-112	6.6	68
100	Adsorption of Pb ²⁺ by heat-treated and sulfurized activated carbon. <i>Carbon</i> , 1993 , 31, 1249-1255	10.4	58
99	Capillary electrophoretic determination of methotrexate, leucovorin and folic acid in human urine. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005 , 819, 141-147	7.2	55
98	Multicomponent determination of flavour enhancers in food preparations by partial least squares and principal component regression modelling of spectrophotometric data. <i>Analyst, The</i> , 1993 , 118, 807-813	5.13	55
97	Second-order multivariate calibration procedures applied to high-performance liquid chromatography coupled to fast-scanning fluorescence detection for the determination of fluoroquinolones. <i>Journal of Chromatography A</i> , 2009 , 1216, 4868-76	4.5	52
96	Determination of methotrexate, several pteridines, and creatinine in human urine, previous oxidation with potassium permanganate, using HPLC with photometric and fluorimetric serial detection. <i>Analytical Biochemistry</i> , 2005 , 346, 201-9	3.1	51
95	Partial least squares multicomponent fluorimetric determination of fluoroquinolones in human urine samples. <i>Talanta</i> , 2004 , 62, 853-60	6.2	48
94	Simultaneous determination of 2-furfuraldehyde, 5-hydroxymethylfurfuraldehyde and malonaldehyde in mixtures by derivative spectrophotometry and partial least-squares analysis. <i>Analytica Chimica Acta</i> , 1993 , 276, 141-149	6.6	48
93	Determination of fluoroquinolones in urine and serum by using high performance liquid chromatography and multiemission scan fluorimetric detection. <i>Talanta</i> , 2006 , 68, 1215-21	6.2	47

92	Determination of oxytetracycline and doxycycline in pharmaceutical compounds, urine and honey by derivative spectrophotometry. <i>Analyst, The</i> , 1989 , 114, 1141-5	5	47
91	Adsorption of Pb ²⁺ in aqueous solution by SO ₂ -treated activated carbon. <i>Carbon</i> , 2004 , 42, 1755-1764	10.4	45
90	Abilities of differentiation and partial least squares methods in the analysis by differential pulse polarography Simultaneous determination of furazolidone and furaltadone. <i>Analytica Chimica Acta</i> , 1995 , 302, 9-19	6.6	44
89	High-performance liquid chromatographic-fluorometric determination of glyoxal, methylglyoxal, and diacetyl in urine by prederivatization to pteridinic rings. <i>Analytical Biochemistry</i> , 1998 , 255, 263-73	3.1	43
88	Comparative study of net analyte signal-based methods and partial least squares for the simultaneous determination of amoxicillin and clavulanic acid by stopped-flow kinetic analysis. <i>Analytica Chimica Acta</i> , 2002 , 463, 75-88	6.6	43
87	Photoinduced spectrofluorimetric determination of fluoroquinolones in human urine by using three- and two-way spectroscopic data and multivariate calibration. <i>Analytica Chimica Acta</i> , 2005 , 531, 257-266	6.6	42
86	Two multivariate strategies applied to three-way kinetic spectrophotometric data for the determination of mixtures of the pesticides carbaryl and chlorpyrifos. <i>Applied Spectroscopy</i> , 2004 , 58, 83-90	3.1	41
85	Adsorptive stripping square wave voltammetry (Ad-SSWV) accomplished with second-order multivariate calibration determination of fenitrothion and its metabolites in river water samples. <i>Analytica Chimica Acta</i> , 2008 , 618, 131-9	6.6	40
84	Comparative study of partial least squares and a modification of hybrid linear analysis calibration in the simultaneous spectrophotometric determination of rifampicin, pyrazinamide and isoniazid. <i>Analytica Chimica Acta</i> , 2001 , 427, 129-136	6.6	40
83	Four-way multivariate calibration using ultra-fast high-performance liquid chromatography with fluorescence excitation-emission detection. Application to the direct analysis of chlorophylls a and b and pheophytins a and b in olive oils. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2013 , 125, 121-131	3.8	38
82	Determination of marker pteridines in urine by HPLC with fluorimetric detection and second-order multivariate calibration using MCR-ALS. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 399, 2123-35	4.4	37
81	Simultaneous determination of pesticides by multivariate spectral analysis and derivative spectrophotometry. <i>Analytica Chimica Acta</i> , 1992 , 258, 47-53	6.6	37
80	In-vitro evaluation of the availability of ω -3 and ω -6 fatty acids and tocopherols from microencapsulated walnut oil. <i>Food Research International</i> , 2012 , 48, 316-321	7	36
79	Determination of carbendazim, thiabendazole and fuberidazole using a net analyte signal-based method. <i>Talanta</i> , 2003 , 59, 1107-16	6.2	36
78	Determinations of fluoroquinolones and nonsteroidal anti-inflammatory drugs in urine by extractive spectrophotometry and photoinduced spectrofluorimetry using multivariate calibration. <i>Analytical Biochemistry</i> , 2005 , 347, 275-86	3.1	36
77	Derivative spectrophotometric determination of sulphonamides by the Bratton-Marshall reaction. <i>Analytica Chimica Acta</i> , 1990 , 233, 289-294	6.6	36
76	High-performance liquid chromatographic determination of glyoxal and methylglyoxal in urine by prederivatization to lumazinic rings using in serial fast scan fluorimetric and diode array detectors. <i>Analytical Biochemistry</i> , 2007 , 371, 82-91	3.1	35
75	Separation of fifteen quinolones by high performance liquid chromatography: application to pharmaceuticals and ofloxacin determination in urine. <i>Journal of Separation Science</i> , 2007 , 30, 1242-9	3.4	33

74	Determination of marker pteridins and biopterin reduced forms, tetrahydrobiopterin and dihydrobiopterin, in human urine, using a post-column photoinduced fluorescence liquid chromatographic derivatization method. <i>Analytica Chimica Acta</i> , 2009 , 648, 113-22	6.6	31
73	Enhanced MCR-ALS modeling of HPLC with fast scan fluorimetric detection second-order data for quantitation of metabolic disorder marker pteridines in urine. <i>Talanta</i> , 2011 , 85, 2368-74	6.2	30
72	Determination of antitubercular drugs in urine and pharmaceuticals by LC using a gradient flow combined with programmed diode array photometric detection. <i>Talanta</i> , 2002 , 58, 273-80	6.2	30
71	On line photochemically induced excitation-emission-kinetic four-way data: analytical application for the determination of folic acid and its two main metabolites in serum by U-PLS and N-PLS/residual trilinearization (RTL) calibration. <i>Analytica Chimica Acta</i> , 2008 , 622, 94-103	6.6	29
70	Analysis of pteridines and creatinine in urine by HPLC with serial fluorimetric and photometric detectors. <i>Chromatographia</i> , 2001 , 53, 510-514	2.1	29
69	Simultaneous determination of 2-furfuraldehyde and 5-(hydroxymethyl)-2-furfuraldehyde by derivative spectrophotometry. <i>Journal of Agricultural and Food Chemistry</i> , 1992 , 40, 1022-1025	5.7	28
68	Strategies for solving matrix effects in the analysis of sulfathiazole in honey samples using three-way photochemically induced fluorescence data. <i>Talanta</i> , 2005 , 65, 806-13	6.2	27
67	Development of a method for the determination of advanced glycation end products precursors by liquid chromatography and its application in human urine samples. <i>Journal of Separation Science</i> , 2012 , 35, 2575-84	3.4	26
66	Kinetic determination of ansamicins in pharmaceutical formulations and human urine. Manual and semiautomatic (stopped-flow) procedures. <i>Analytica Chimica Acta</i> , 1998 , 376, 365-375	6.6	26
65	HPLC determination of ciprofloxacin, cloxacillin, and ibuprofen drugs in human urine samples. <i>Journal of Separation Science</i> , 2006 , 29, 1969-76	3.4	25
64	Selection of the wavelength range and spectrophotometric determination of leucovorin and methotrexate in human serum by a net analyte signal based method. <i>Talanta</i> , 2002 , 58, 255-63	6.2	25
63	Resolution of ternary mixtures of nitrofurantoin, furazolidone and furaltadone by application of Partial Least Squares analysis to the differential pulse polarographic signals. <i>Talanta</i> , 1994 , 41, 1821-32	6.2	25
62	Determination of antitubercular drugs by micellar electrokinetic capillary chromatography (MEKC). <i>Analytical and Bioanalytical Chemistry</i> , 2002 , 374, 432-6	4.4	24
61	Kinetic fluorimetric determination of the antineoplastic methotrexate (MTX) in human serum. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002 , 29, 851-8	3.5	23
60	Determination of danofloxacin in milk combining second-order calibration and standard addition method using excitation-emission fluorescence data. <i>Food Chemistry</i> , 2009 , 113, 1260-1265	8.5	22
59	Second-order calibration of excitation-emission matrix fluorescence spectra for the determination of N-phenylanthranilic acid derivatives. <i>Applied Spectroscopy</i> , 2006 , 60, 330-8	3.1	22
58	Stopped-flow determination of dipyridamole in pharmaceutical preparations by micellar-stabilized room temperature phosphorescence. <i>Talanta</i> , 1999 , 48, 1061-73	6.2	22
57	Determination of Synthetic Food Antioxidants in Multicomponent Mixtures Using UV-Visible Spectrophotometry and Partial Least-Squares Calibration. <i>Applied Spectroscopy</i> , 1996 , 50, 449-453	3.1	22

56	Determination of triamterene in pharmaceutical formulations and of triamterene and its main metabolite hydroxytriamterene sulfate in urine using solid-phase and aqueous solution luminescence. <i>Analytica Chimica Acta</i> , 2005 , 538, 77-84	6.6	20
55	Simultaneous determination of pteridines in multicomponent mixtures using derivative spectrophotometry and partial least-squares calibration. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1998 , 17, 1325-34	3.5	19
54	Simultaneous kinetic spectrophotometric determination of 2-furfuraldehyde and 5-hydroxymethyl-2-furfuraldehyde by application of a modified Winkler's method and partial least squares calibration. <i>Analyst, The</i> , 1995 , 120, 2567-2571	5	19
53	Simultaneous determination of chlorpyrifos and carbaryl by differential degradation using diode-array spectrophotometry optimized by partial least squares. <i>Analyst, The</i> , 1994 , 119, 1183	5	19
52	LC determination of biopterin reduced forms by UV-photogeneration of biopterin and fluorimetric detection. <i>Talanta</i> , 2008 , 77, 844-851	6.2	18
51	Determination of triamterene and leucovorin in biological fluids by UV derivative-spectrophotometry and partial least-squares (PLS-1) calibration. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002 , 27, 81-90	3.5	18
50	Photoinduced fluorimetric determination of folic acid and 5-methyltetrahydrofolic acid in serum using the kinetic evolution of the emission spectra accomplished with multivariate second-order calibration methods. <i>Analytical and Bioanalytical Chemistry</i> , 2008 , 391, 827-35	4.4	17
49	Determination of malonaldehyde in human plasma: elimination of spectral interferences in the 2-thiobarbituric acid reaction. <i>Analyst, The</i> , 1993 , 118, 89-95	5	17
48	Separation and determination of 11 marker pteridines in human urine by liquid chromatography and fluorimetric detection. <i>Journal of Separation Science</i> , 2011 , 34, 1283-92	3.4	16
47	A simple HPLC-ESI-MS method for the direct determination of ten pteridinic biomarkers in human urine. <i>Talanta</i> , 2012 , 101, 465-72	6.2	15
46	Simultaneous determination of nafcillin and methicillin by different fluorimetric techniques using partial least-squares calibration. <i>Analyst, The</i> , 1998 , 123, 1073-7	5	15
45	Determination of nafronyl in pharmaceutical preparations by means of stopped-flow micellar-stabilized room temperature phosphorescence. <i>Analyst, The</i> , 1998 , 123, 2285-90	5	14
44	Stopped-flow fluorimetric determination of amoxicillin and clavulanic acid by partial least-squares multivariate calibration. <i>Talanta</i> , 2002 , 56, 635-42	6.2	14
43	Complexation study of cinalukast and montelukast with cyclodextrines. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007 , 43, 1025-32	3.5	13
42	High-performance liquid chromatography with fast-scanning fluorescence detection and post-column on-line photoderivatization for the analysis of folic acid and its metabolites in vegetables. <i>Microchemical Journal</i> , 2017 , 133, 333-345	4.8	12
41	Comparative quantification of chlorophyll and polyphenol levels in grapevine leaves sampled from different geographical locations. <i>Scientific Reports</i> , 2020 , 10, 6246	4.9	12
40	HPLC determination of serum pteridine pattern as biomarkers. <i>Talanta</i> , 2014 , 128, 319-26	6.2	12
39	Simultaneous determination of the residues of fourteen quinolones and fluoroquinolones in fish samples using liquid chromatography with photometric and fluorescence detection. <i>Czech Journal of Food Sciences</i> , 2012 , 30, 74-82	1.3	12

38	Simultaneous determination of sulfathiazole and oxytetracycline in honey by derivative spectrophotometry. <i>Microchemical Journal</i> , 1991 , 43, 244-252	4.8	12
37	Influence of the presence of natural monosaccharides in the quantification of β -dicarbonyl compounds in high content sugar samples. A comparative study by ultra-high performance liquid chromatography-single quadrupole mass spectrometry using different derivatization reactions. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 43, 117-127	4.5	11
36	Comparison of UV derivative-spectrophotometry and partial least-squares (PLS-1) calibration for determination of methotrexate and leucovorin in biological fluids. <i>Analytical and Bioanalytical Chemistry</i> , 2002 , 373, 251-8	4.4	11
35	Evaluation of liquid chromatographic behavior of lumazinic derivatives, from β -dicarbonyl compounds, in different C18 columns: application to wine samples using a fused-core column and fluorescence detection. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 97-106	5.7	10
34	Room temperature phosphorescence of 1-naphtalenacetamide included in beta-cyclodextrin in presence of 1,3-dibromopropane. <i>Talanta</i> , 1999 , 48, 15-21	6.2	10
33	Flow-injection determination of HMF in honey by the Winkler method. <i>Fresenius Journal of Analytical Chemistry</i> , 1991 , 340, 250-252		10
32	Analytical properties of pyridine-2-aldehyde guanylhydrazone. <i>Talanta</i> , 1981 , 28, 134-6	6.2	10
31	Kinetic-spectrophotometric determination of Cu(II) and pyridine by use of the aerial oxidation of dimedone bisguanylhydrazone. <i>Talanta</i> , 1984 , 31, 325-30	6.2	9
30	Kinetic fluorimetric study of the oxidation reaction of folic acid (leucovorin) with potassium permanganate. Determination in human urine. <i>Talanta</i> , 2001 , 55, 623-30	6.2	8
29	Multivariate Prediction by Using Conventional and Derivative Partial Least Squares Statistics in a Complex Chemical System. Ternary Metals Mixture Resolution. <i>Analytical Letters</i> , 1995 , 28, 193-205	2.2	8
28	Salicylaldehyde guanylhydrazone as an analytical reagent for spectrophotometric estimation of iron. <i>Microchemical Journal</i> , 1984 , 30, 380-388	4.8	8
27	Voltammetric Behavior and Determination of Nordihydroguaiaretic Acid in Presence of Other Antioxidants Using PLS Calibration. <i>Electroanalysis</i> , 2003 , 15, 646-651	3	7
26	Phenanthrene metabolites determination in human breast and cow milk by combining elution time-emission fluorescence data with multiway calibration. <i>Talanta</i> , 2018 , 188, 299-307	6.2	6
25	Simultaneous Fluorimetric Determination of Pteridin Derivatives: Comparison between Synchronous, Partial Least-Squares, and Hybrid Linear Analysis Methods. <i>Applied Spectroscopy</i> , 2001 , 55, 701-707	3.1	6
24	Simultaneous Determination of Carbaryl, Chlorpyrifos, and Its Metabolite 3,5,6-Trichloro-2-pyridinol (TCP) by Derivative Spectrophotometry. Direct Determination of the Degradation Grade of a Pesticide Formulation by Measurement of TCP. <i>Journal of Agricultural and Food Chemistry</i> , 1995 , 43, 146-150	5.7	6
23	Kinetic Determination of 2-Furfuraldehyde Based in a Modified Winkler's Method. <i>Journal of Agricultural and Food Chemistry</i> , 1996 , 44, 2962-2965	5.7	6
22	Kinetic behaviour of the malonaldehyde-thiobarbituric acid reaction. kinetic-fluorimetric determination of malonaldehyde in human serum. <i>Analytica Chimica Acta</i> , 1996 , 320, 125-132	6.6	6
21	pH-Induced Difference Spectrophotometry in the Analysis of Binary Mixtures.. <i>Analytical Letters</i> , 1996 , 29, 2525-2540	2.2	6

20	Simultaneous kinetic determination of chlorpyrifos and carbaryl based on differential degradation processes in alkaline oxidative medium. <i>Mikrochimica Acta</i> , 1994 , 113, 9-17	5.8	6
19	Use of a stopped-flow pneumatic mixing module to analyze dinitrophenol pesticides. Simultaneous determination of dinoseb and dinobuton. <i>Journal of Agricultural and Food Chemistry</i> , 1999 , 47, 1976-80	5.7	5
18	Extraction-spectrophotometric determination of silver in ores, electronics flow-solders and white metals with 2-carboxybenzaldehyde thiosemicarbazone. <i>Analyst, The</i> , 1995 , 120, 2857-2860	5	5
17	Abilities of partial least squares (PLS) multivariate calibration in the analysis of a quaternary mixture of sulfonamides. <i>Fresenius Journal of Analytical Chemistry</i> , 1996 , 354, 245-249		5
16	Kinetic study of the degradation of chlorpyrifos by using a stopped-flow fia system. Semiautomatic determination in commercial formulations. <i>Talanta</i> , 1994 , 41, 651-7	6.2	5
15	A novel analytical methodology for the determination of hydroxy polycyclic aromatic hydrocarbons in breast and cow milk samples. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020 , 1136, 121912	3.2	5
14	Kinetic study of the malonaldehyde-azulene reaction determination of malonaldehyde in human plasma. <i>Analytical Biochemistry</i> , 1994 , 222, 396-403	3.1	4
13	Elimination of spectral interferences in the reaction of 2-thiobarbituric acid with malonaldehyde, 2-furfuraldehyde and 5-hydroxymethyl-2-furfuraldehyde by partial least squares multivariate calibration (PLS). <i>Fresenius Journal of Analytical Chemistry</i> , 1993 , 347, 371-375		4
12	HPLC-fast scanning fluorimetric detection determination of risk exposure to polycyclic aromatics hydrocarbons biomarkers in human urine. <i>Bioanalysis</i> , 2017 , 9, 265-278	2.1	3
11	Kinetic-fluorometric Determination of Malonaldehyde Based on the Hantzsch Reaction: Application to Olive Oil Analysis. <i>Journal of Agricultural and Food Chemistry</i> , 1997 , 45, 172-177	5.7	3
10	Rapid ultrasensitive chemometrics-fluorescence methodology to quantify fluoroquinolones antibiotics residues in surface water. <i>Journal of Water Chemistry and Technology</i> , 2016 , 38, 280-286	0.4	3
9	Phenylalanine Photoinduced Fluorescence and Characterization of the Photoproducts by LC-MS. <i>Journal of Fluorescence</i> , 2019 , 29, 1445-1455	2.4	3
8	Development of an HPLC-MS method for the determination of natural pteridines in tomato samples. <i>Analytical Methods</i> , 2016 , 8, 6404-6414	3.2	2
7	Spectrophotometric and polarographic study of pyridine-2-aldehyde guanylhydrazone-Cu(II) complex. <i>Microchemical Journal</i> , 1983 , 28, 69-76	4.8	2
6	Spectrophotometric and polarographic studies of pyridin-2-aldehyde guanylhydrazone-Fe(II) system. <i>Microchemical Journal</i> , 1984 , 30, 186-193	4.8	2
5	Spectrophotometric Determination of Cobalt in Vitamin Preparations, Steel and Iron Using 2-Hydroxy- 1-Naphthaldehyde Guanylhydrazone. <i>Analytical Letters</i> , 1988 , 21, 2011-2016	2.2	1
4	Pteridine determination in human serum with special emphasis on HPLC methods with fluorimetric detection. <i>Pteridines</i> , 2017 , 28, 67-81	0.6	0
3	Optimization of the thiobarbituric acid-malonaldehyde reaction in non-aqueous medium. Direct analysis of malonaldehyde in oil samples by HPLC with fluorimetric detection. <i>Microchemical Journal</i> , 2020 , 159, 105318	4.8	0

- 2 Rapid Kinetic Spectrophotometric Determination of Phosalone (Zolone) in a Commercial Formulation. *Journal of AOAC INTERNATIONAL*, **2000**, 83, 1-7 1.7
- 1 Polarographic behavior of 2-carboxybenzaldehyde thiosemicarbazone and the indirect trace determination of palladium(II) ions in catalysts. *Electroanalysis*, **1995**, 7, 488-491 3