

Arsenio Muoz de la Pea

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#	Paper	IF	Citations
172	Second- and third-order multivariate calibration: data, algorithms and applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2007 , 26, 752-765	14.6	272
171	Alcohol size as a factor in the ternary complexes formed with pyrene and .beta.-cyclodextrin. <i>Journal of the American Chemical Society</i> , 1991 , 113, 1572-1577	16.4	150
170	Second- and higher-order data generation and calibration: a tutorial. <i>Analytica Chimica Acta</i> , 2014 , 806, 8-26	6.6	139
169	Rhodamine and BODIPY chemodosimeters and chemosensors for the detection of Hg ²⁺ , based on fluorescence enhancement effects. <i>Analytical Methods</i> , 2013 , 5, 30-49	3.2	136
168	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
167	Analysis of antibiotics in fish samples. <i>Analytical and Bioanalytical Chemistry</i> , 2009 , 395, 987-1008	4.4	92
166	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
165	Second-order and higher-order multivariate calibration methods applied to non-multilinear data using different algorithms. <i>TrAC - Trends in Analytical Chemistry</i> , 2011 , 30, 607-617	14.6	86
164	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
163	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
162	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
161	Second-order advantage achieved by unfolded-partial least-squares/residual bilinearization modeling of excitation-emission fluorescence data presenting inner filter effects. <i>Analytical Chemistry</i> , 2006 , 78, 8051-8	7.8	63
160	Influence of alcohols on the .beta.-cyclodextrin/acridine complex. <i>Journal of the American Chemical Society</i> , 1993 , 115, 292-298	16.4	62
159	Absorptiometric and spectrofluorimetric study of the inclusion complexes of 2-naphthoxyacetic acid and 1-naphthylacetic acid with β-cyclodextrin in aqueous solution. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1993 , 15, 131-143		61
158	Spectral characterization of β-cyclodextrin : Triton X-100 complexes. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1991 , 10, 471-484		57
157	Characterization of the .beta.-cyclodextrin/acridine complex. <i>The Journal of Physical Chemistry</i> , 1991 , 95, 4897-4902		56
156	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, 807-13		55

155	Influence of alcohol addition on the .gamma.-CD:pyrene complex. <i>The Journal of Physical Chemistry</i> , 1991 , 95, 6701-6706		55
154	Multiway partial least-squares coupled to residual trilinearization: a genuine multidimensional tool for the study of third-order data. Simultaneous analysis of procaine and its metabolite p-aminobenzoic acid in equine serum. <i>Analytical Chemistry</i> , 2007 , 79, 6949-58	7.8	53
153	Cyclodextrin-induced fluid solution room-temperature phosphorescence from acenaphthene in the presence of 2-bromoethanol. <i>Analytica Chimica Acta</i> , 1991 , 255, 351-357	6.6	53
152	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
151	Detection and quantification of extra virgin olive oil adulteration by means of autofluorescence excitation-emission profiles combined with multi-way classification. <i>Talanta</i> , 2018 , 178, 751-762	6.2	50
150	Synthesis of a water-soluble chiral N-acylcalix(4)arene amino acid derivative. <i>Tetrahedron Letters</i> , 1996 , 37, 5841-5844	2	49
149	Monitoring of phenylurea and propanil herbicides in river water by solid-phase-extraction high performance liquid chromatography with photoinduced-fluorimetric detection. <i>Talanta</i> , 2003 , 60, 279-85	6.2	48
148	Partial least squares multicomponent fluorimetric determination of fluoroquinolones in human urine samples. <i>Talanta</i> , 2004 , 62, 853-60	6.2	48
147	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
146	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
145	Complexation of Doxorubicin with α and β Cyclodextrins. <i>Applied Spectroscopy</i> , 1992 , 46, 652-658	3.1	44
144	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
143	Determination of salicylic acid and its metabolites in urine by derivative synchronous spectrofluorimetry. <i>Analyst</i> , 1990 , 115, 1007-11	5	43
142	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
141	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
140	Determination of formation constants for .beta.-cyclodextrin complexes of anthracene and pyrene using reversed-phase liquid chromatography. <i>Analytical Chemistry</i> , 1992 , 64, 484-489	7.8	41
139	Room-temperature phosphorescence of acenaphthene in aerated solutions in the presence of bromoalcohols and β cyclodextrin. <i>Analytica Chimica Acta</i> , 1998 , 370, 199-205	6.6	40
138	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

137	Spectrofluorimetric determination of nalidixic acid based on host-guest complexation with β -cyclodextrin. <i>Analyst, The</i> , 1994 , 119, 1215-1219	5	40
136	Simultaneous determination of salicylic and salicylic acids in urine by first-derivative synchronous fluorescence spectroscopy. <i>Analytical Chemistry</i> , 1988 , 60, 2493-6	7.8	40
135	Unfolded partial least-squares with residual quadrilinearization: A new multivariate algorithm for processing five-way data achieving the second-order advantage. Application to fourth-order excitation-emission-kinetic-pH fluorescence analytical data. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2011 , 109, 178-185	3.8	39
134	Nonlinear four-way kinetic-excitation-emission fluorescence data processed by a variant of parallel factor analysis and by a neural network model achieving the second-order advantage: malonaldehyde determination in olive oil samples. <i>Analytical Chemistry</i> , 2008 , 80, 7248-56	7.8	39
133	Modeling four and three-way fast high-performance liquid chromatography with fluorescence detection data for quantitation of fluoroquinolones in water samples. <i>Analytica Chimica Acta</i> , 2014 , 809, 37-46	6.6	38
132	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
131	Determination of theophylline in blood serum by UV spectrophotometry and partial least-squares (PLS-1) calibration. <i>Analytica Chimica Acta</i> , 1999 , 384, 95-103	6.6	38
130	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
129	Simultaneous determination of pesticides by multivariate spectral analysis and derivative spectrophotometry. <i>Analytica Chimica Acta</i> , 1992 , 258, 47-53	6.6	37
128	Determination of carbendazim, thiabendazole and fuberidazole using a net analyte signal-based method. <i>Talanta</i> , 2003 , 59, 1107-16	6.2	36
127	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
126	Solution studies of β -cyclodextrin-pyrene complexes under reversed-phase liquid chromatographic conditions: effect of alcohols as mobile-phase comodifiers. <i>Analytical Chemistry</i> , 1991 , 63, 1018-1023	7.8	36
125	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
124	Simultaneous determination of flufenamic and meclofenamic acids in human urine samples by second-order multivariate parallel factor analysis (PARAFAC) calibration of micellar-enhanced excitation-emission fluorescence data. <i>Analytica Chimica Acta</i> , 2006 , 569, 250-259	6.6	32
123	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
122	Spectroscopic Studies of the Interaction of Tert-Butylamine and n-Propylamine with the β -Cyclodextrin: Pyrene Complex. <i>Applied Spectroscopy</i> , 1993 , 47, 277-282	3.1	31
121	Fluorescence properties of flavonoid compounds. Quantification in paprika samples using spectrofluorimetry coupled to second order chemometric tools. <i>Food Chemistry</i> , 2016 , 196, 1058-65	8.5	30
120	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

119	Flow-through photochemically induced fluorescence optosensor for the determination of linuron. <i>Talanta</i> , 2008 , 77, 852-857	6.2	30
118	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
117	Resolution of ofloxacin-ciprofloxacin and ofloxacin-norfloxacin binary mixtures by flow-injection chemiluminescence in combination with partial least squares multivariate calibration. <i>Journal of Fluorescence</i> , 2007 , 17, 481-91	2.4	29
116	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
115	Four-way calibration applied to the simultaneous determination of folic acid and methotrexate in urine samples. <i>Analytical and Bioanalytical Chemistry</i> , 2006 , 385, 1289-97	4.4	29
114	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
113	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
112	Evaluation of unfolded-partial least-squares coupled to residual trilinearization for four-way calibration of folic acid and methotrexate in human serum samples. <i>Talanta</i> , 2007 , 72, 1261-8	6.2	26
111	Analysis of Mixtures of Doxycycline and Oxytetracycline in Pharmaceutical Preparations by First Derivative Fluorimetry. <i>Analytical Letters</i> , 1990 , 23, 863-876	2.2	26
110	Resolution of overlapping peaks in HPLC with diode array detection by application of partial least squares calibration to cross-sections of spectrochromatograms. <i>Analytica Chimica Acta</i> , 1997 , 348, 177-185	6.6	25
109	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
108	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
107	Determination of binary mixtures of sulfonamides by photochemically induced fluorescence using partial least squares multivariate calibration. <i>Analyst, The</i> , 1994 , 119, 1177-1181	5	25
106	Determination of antitubercular drugs by micellar electrokinetic capillary chromatography (MEKC). <i>Analytical and Bioanalytical Chemistry</i> , 2002 , 374, 432-6	4.4	24
105	Simultaneous determination of propranolol and hydralazine by derivative synchronous spectrofluorimetry. <i>Analytica Chimica Acta</i> , 1991 , 255, 317-323	6.6	24
104	Non-destructive Raman spectroscopy as a tool for measuring ASTA color values and Sudan I content in paprika powder. <i>Food Chemistry</i> , 2019 , 274, 187-193	8.5	24
103	Modeling second-order data for classification issues: Data characteristics, algorithms, processing procedures and applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 107, 151-168	14.6	22
102	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

101	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
100	An Investigation of Inclusion Complexes of Cyclodextrins with Phenylurea Herbicides by Photochemically-Induced Fluorescence. Analytical Applications. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2002 , 42, 61-70		22
99	Stopped-flow determination of dipyridamole in pharmaceutical preparations by micellar-stabilized room temperature phosphorescence. <i>Talanta</i> , 1999 , 48, 1061-73	6.2	22
98	Novel augmented parallel factor model for four-way calibration of high-performance liquid chromatography fluorescence excitation-emission data. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2015 , 141, 1-11	3.8	21
97	Simultaneous fluorometric determination of nalidixic acid and 7-hydroxymethylnalidixic acid by partial least squares calibration. <i>Talanta</i> , 1998 , 45, 899-907	6.2	21
96	Synchronous fluorimetric determination of salicylic acid and diflunisal in human serum using partial least-squares calibration. <i>Talanta</i> , 1996 , 43, 1349-56	6.2	21
95	Photoinduced electron transfer fluorometric Hg(II) chemosensor based on a BODIPY armed with a tetrapod receptor. <i>Talanta</i> , 2013 , 117, 288-96	6.2	20
94	A sensing microfibre mat produced by electrospinning for the turn-on luminescence determination of Hg ²⁺ in water samples. <i>Sensors and Actuators B: Chemical</i> , 2014 , 195, 8-14	8.5	20
93	Fluorescent determination of Hg ²⁺ in water and fish samples using a chemodosimeter based in a Rhodamine 6G derivative and a portable fiber-optic spectrofluorimeter. <i>Applied Spectroscopy</i> , 2010 , 64, 520-7	3.1	20
92	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
91	Photochemically induced fluorescence investigation of a cyclodextrin: Azure A inclusion complex and determination of analytical parameters. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1995 , 22, 235-247		20
90	Fluorimetric Determination of Sulfamethoxazole in Pharmaceutical Preparations in Combination with Trimethoprim by Inclusion in Cyclodextrin/Urea. <i>Analytical Letters</i> , 1994 , 27, 1893-1906	2.2	20
89	Resolution of ternary mixtures of salicylic, salicyluric and gentisic acids by partial least squares and principal component regression: Optimization of the scanning path in the excitation-emission matrices. <i>Fresenius Journal of Analytical Chemistry</i> , 1995 , 351, 571-576		19
88	Host-guest stabilized room temperature phosphorescence in beta-cyclodextrin/ bromoalcohol solutions from 2-naphthyl-oxy-acetic acid and 1-naphthyl-acetic acid. <i>Talanta</i> , 1993 , 40, 1657-64	6.2	19
87	Simultaneous determination of cobalt and nickel by first-derivative spectrophotometry. <i>Analyst, The</i> , 1988 , 113, 1439-1442	5	19
86	Usefulness of micellar media for the quantitative analysis of phenylurea herbicides in water by photochemically-induced fluorescence. <i>Analisis - European Journal of Analytical Chemistry</i> , 1999 , 27, 857-863		19
85	Nondestructive Total Excitation-Emission Fluorescence Microscopy Combined with Multi-Way Chemometric Analysis for Visually Indistinguishable Single Fiber Discrimination. <i>Analytical Chemistry</i> , 2016 , 88, 2967-75	7.8	18
84	A novel nylon membrane-rhodamine 6G spirocyclic phenylthiosemicarbazide derivative system as a fluorimetric probe for mercury(II) ion. <i>Analytical Methods</i> , 2012 , 4, 2002	3.2	18

83	LC determination of biopterin reduced forms by UV-photogeneration of biopterin and fluorimetric detection. <i>Talanta</i> , 2008 , 77, 844-851	6.2	18
82	Fluorimetric determination of sulphaguanidine and sulphamethoxazole by host-guest complexation in beta-cyclodextrin and partial least squares calibration. <i>Journal of Fluorescence</i> , 2007 , 17, 309-18	2.4	18
81	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
80	High-performance liquid chromatographic determination of phenylureas by photochemically-induced fluorescence detection. <i>Journal of Chromatography A</i> , 2002 , 950, 287-91	4.5	17
79	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
78	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
77	A chemometric sensor for determining sulphaguanidine residues in honey samples. <i>Talanta</i> , 2007 , 73, 304-13	6.2	15
76	Complexation of antibacterial quinolonic acid and cinolonic derivatives with Zn(II) and Al(III): application to their determination in human urine. <i>Analyst, The</i> , 2000 , 125, 1471-6	5	15
75	Determination of 1-naphthylamine and the related pesticides, naptalam and antu, in river-water by high-performance liquid chromatography. Application to the study of the degradation processes of naptalam. <i>Analyst, The</i> , 1994 , 119, 1151-1155	5	15
74	Room temperature phosphorescence in cyclodextrins. Analytical applications. <i>Analisis - European Journal of Analytical Chemistry</i> , 2000 , 28, 670-678		15
73	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
72	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
71	Simultaneous determination of beryllium and magnesium with 1-hydroxy-2-carboxyanthraquinone by first-derivative spectrophotometry. <i>Analyst, The</i> , 1987 , 112, 1391-1394	5	14
70	Simultaneous determination of aluminium and zinc by first- and second-derivative synchronous fluorimetry. <i>Analyst, The</i> , 1988 , 113, 1435-1438	5	14
69	Combination of Liquid Chromatography with Multivariate Curve Resolution-Alternating Least-Squares (MCR-ALS) in the Quantitation of Polycyclic Aromatic Hydrocarbons Present in Paprika Samples. <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 8254-8262	5.7	14
68	Hg ²⁺ -selective sensing film based on the incorporation of a rhodamine 6G derivative into a novel hydrophilic water-insoluble copolymer. <i>Analytical Methods</i> , 2013 , 5, 6642	3.2	13
67	Spectrofluorimetric Study of the Inclusion Complex of 7-Hydroxymethylnalidixic Acid with β -Cyclodextrin in Aqueous Solution. <i>Applied Spectroscopy</i> , 1997 , 51, 684-688	3.1	13
66	Retention behavior of β -cyclodextrin complexes of anthracene and pyrene using reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 1992 , 594, 37-43	4.5	13

65	Simultaneous determination of molybdenum and tungsten by first-derivative synchronous spectrofluorimetry. <i>Analyst, The</i> , 1989 , 114, 1297-1301	5	13
64	Application of time-domain differentiation of chromatographic peaks in liquid chromatography. <i>Analytica Chimica Acta</i> , 1990 , 234, 263-267	6.6	13
63	Optimization of Verapamil drug analysis by excitation-emission fluorescence in combination with second-order multivariate calibration. <i>Journal of Fluorescence</i> , 2008 , 18, 1065-76	2.4	12
62	Spectrofluorimetric determination of boron in plants with quinizarin-2-sulphonic acid. <i>Analyst, The</i> , 1987 , 112, 913-915	5	12
61	Four- and five-way excitation-emission luminescence-based data acquisition and modeling for analytical applications. A review. <i>Analytica Chimica Acta</i> , 2019 , 1083, 41-57	6.6	10
60	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
59	Simultaneous fluorimetric determination of acetylsalicylic acid metabolites in urine by partial least squares multivariate calibration. <i>Fresenius Journal of Analytical Chemistry</i> , 1995 , 353, 211-214		10
58	Front-Face Fluorescence Combined with Second-Order Multiway Classification, Based on Polyphenol and Chlorophyll Compounds, for Virgin Olive Oil Monitoring Under Different Photo- and Thermal-Oxidation Procedures. <i>Food Analytical Methods</i> , 2019 , 12, 1399-1411	3.4	10
57	Determination of pungency in spicy food by means of excitation-emission fluorescence coupled with second-order chemometric calibration. <i>Journal of Food Composition and Analysis</i> , 2018 , 67, 10-18	4.1	9
56	Chemometric Discrimination Between Smoked and Non-Smoked Paprika Samples. Quantification of PAHs in Smoked Paprika by Fluorescence-U-PLS/RBL. <i>Food Analytical Methods</i> , 2017 , 10, 1128-1137	3.4	9
55	Optimization of the room-temperature phosphorescence of the 6-bromo-2-naphthol-cyclodextrin system in aqueous solution. <i>Talanta</i> , 2000 , 51, 949-955	6.2	9
54	Room-Temperature Phosphorescence of 1-Bromonaphthalene upon Formation of Beta-Cyclodextrin Ternary Complexes with Alcohols and Surfactants: Optimization of Analytical Figures of Merit by Rigorous Equilibrium Studies. <i>Applied Spectroscopy</i> , 2001 , 55, 496-503	3.1	9
53	Determination of Aluminium with 8-Hydroxyquinoline-5-Sulfonic Acid in Presence of A Cationic Surfactant by First and Second Derivative Synchronous Fluorimetry. <i>Analytical Letters</i> , 1988 , 21, 1457-1468	2.2	9
52	Isocratic LC-DAD-FLD method for the determination of flavonoids in paprika samples by using a rapid resolution column and post-column pH change. <i>Talanta</i> , 2016 , 152, 15-22	6.2	8
51	Excitation-emission matrix fluorescence spectroscopy combined with MCR-ALS as a tool for the forensic analysis of similar and dissimilar sets of textile fiber extracts. <i>Analytical Methods</i> , 2016 , 8, 8314-8321	3.2	8
50	Cross-sections of spectrochromatograms for the resolution of overlapping peaks in diode-array high-performance liquid-chromatography. <i>Talanta</i> , 1998 , 46, 1329-40	6.2	7
49	Development of a low-cost interface for coupling a microcomputer with a fluorescence spectrophotometer. Computer-assisted fluorimetry. <i>Computers & Chemistry</i> , 1988 , 12, 213-217		7
48	Determination of magnesium by spectrofluorimetry and synchronous scanning first and second derivative spectrofluorimetry with 2-quinizarinsulphonate. <i>Mikrochimica Acta</i> , 1985 , 87, 361-368	5.8	7

47	Evolution of polyphenols content in plum fruits (<i>Prunus salicina</i>) with harvesting time by second-order excitation-emission fluorescence multivariate calibration. <i>Microchemical Journal</i> , 2020 , 158, 105299	4.8	7
46	Untargeted classification for paprika powder authentication using visible [Near infrared spectroscopy (VIS-NIRS). <i>Food Control</i> , 2021 , 121, 107564	6.2	7
45	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
44	Unfolded and Multiway Partial Least-Squares with Residual Multilinearization. <i>Data Handling in Science and Technology</i> , 2015 , 29, 365-397	2.7	6
43	Modelling ambient ozone in an urban area using an objective model and geostatistical algorithms. <i>Atmospheric Environment</i> , 2012 , 63, 86-93	5.3	6
42	Second-order data obtained by time-resolved room temperature phosphorescence. A new approach for PARAFAC multicomponent analysis. <i>Journal of Fluorescence</i> , 2009 , 19, 345-52	2.4	6
41	Stopped-flow and kinetic-fluorimetric determination of quinalphos in water samples. <i>Talanta</i> , 2006 , 69, 397-402	6.2	6
40	pH-Induced Difference Spectrophotometry in the Analysis of Binary Mixtures.. <i>Analytical Letters</i> , 1996 , 29, 2525-2540	2.2	6
39	Spectrophotometric determination of mixtures of iron(III) and manganese(II) by complexation with 3-indolylacetohydroxamic acid and principal component regression multivariate calibration. <i>Analyst, The</i> , 1994 , 119, 1537-1540	5	6
38	Analysis of mixtures of oxytetracycline and riboflavine by first-derivative synchronous spectrofluorimetry. <i>Analyst, The</i> , 1991 , 116, 291-296	5	6
37	Spectrofluorimetric determination of beryllium in rocks, alloys and steels with nuclear fast red. <i>Analyst, The</i> , 1987 , 112, 645-648	5	6
36	Highly Selective and Ultrasensitive Turn-on Luminescence Chemosensor for Mercury (II) Determination Based on the Rhodamine 6G Derivative FC1 and Au Nanoparticles. <i>Sensors</i> , 2016 , 16,	3.8	6
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20	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
19	Simultaneous Determination of Flavor Enhancers Inosine 5'-Monophosphate and Guanosine 5'-Monophosphate in Food Preparations by Derivative Spectrophotometry. <i>Journal of AOAC INTERNATIONAL</i> , 1993 , 76, 754-759	1.7	3
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17	Spectrofluorimetric determination of Ga(III) with 1-hydroxy-2-carboxyanthraquinone. <i>Mikrochimica Acta</i> , 1984 , 84, 79-86	5.8	3
16	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
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