

Arsenio Muñoz de la Peña

List of Publications by Year in descending order

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173
papers

5,345
citations

66234

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62
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174
docs citations

174
times ranked

3354
citing authors

#	ARTICLE	IF	CITATIONS
1	Second- and third-order multivariate calibration: data, algorithms and applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2007, 26, 752-765.	5.8	294
2	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.	6.6	174
3	Second- and higher-order data generation and calibration: A tutorial. <i>Analytica Chimica Acta</i> , 2014, 806, 8-26.	2.6	152
4	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.	1.3	146
5	Analysis of antibiotics in fish samples. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 395, 987-1008.	1.9	115
6	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, 5657-5666.	3.2	105
7	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, 2640-2646.	3.2	97
8	HPLC determination of enoxacin, ciprofloxacin, norfloxacin and ofloxacin with photoinduced fluorimetric (PIF) detection and multiemission scanning. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005, 822, 185-193.	1.2	93
9	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.	5.8	91
10	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.	1.8	89
11	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.	2.6	74
12	Multicomponent determination of flavour enhancers in food preparations by partial least squares and principal component regression modelling of spectrophotometric data. <i>Analyst</i> , 1993, 118, 807-813.	1.7	72
13	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, 8051-8058.	3.2	69
14	Influence of alcohols on the .beta.-cyclodextrin/acridine complex. <i>Journal of the American Chemical Society</i> , 1993, 115, 292-298.	6.6	67
15	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.	2.9	67
16	Characterization of the .beta.-cyclodextrin/acridine complex. <i>The Journal of Physical Chemistry</i> , 1991, 95, 4897-4902.	2.9	64
17	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.	2.6	64
18	Cyclodextrin-induced fluid solution room-temperature phosphorescence from acenaphthene in the presence of 2-bromoethanol. <i>Analytica Chimica Acta</i> , 1991, 255, 351-357.	2.6	63

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19	Spectral characterization of β -Cyclodextrin : Triton X-100 complexes. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1991, 10, 471-484.	1.6	63
20	Influence of alcohol addition on the γ -CD:pyrene complex. <i>The Journal of Physical Chemistry</i> , 1991, 95, 6701-6706.	2.9	62
21	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.	1.6	61
22	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, 279-285.	2.9	60
23	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 <i>p</i> -Aminobenzoic Acid in Equine Serum. <i>Analytical Chemistry</i> , 2007, 79, 6949-6958.	3.2	59
24	Partial least squares multicomponent fluorimetric determination of fluoroquinolones in human urine samples. <i>Talanta</i> , 2004, 62, 853-860.	2.9	55
25	Spectrofluorimetric determination of nalidixic acid based on host-guest complexation with β -cyclodextrin. <i>Analyst</i> , 1994, 119, 1215-1219.	1.7	53
26	Synthesis of a water-soluble chiral N-acylcalix(4)arene amino acid derivative. <i>Tetrahedron Letters</i> , 1996, 37, 5841-5844.	0.7	53
27	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, 4868-4876.	1.8	53
28	Determination of fluoroquinolones in urine and serum by using high performance liquid chromatography and multiemission scan fluorimetric detection. <i>Talanta</i> , 2006, 68, 1215-1221.	2.9	52
29	Simultaneous determination of salicylic and salicylic acids in urine by first-derivative synchronous fluorescence spectroscopy. <i>Analytical Chemistry</i> , 1988, 60, 2493-2496.	3.2	51
30	Determination of salicylic acid and its metabolites in urine by derivative synchronous spectrofluorimetry. <i>Analyst</i> , 1990, 115, 1007-1011.	1.7	50
31	Simultaneous determination of pesticides by multivariate spectral analysis and derivative spectrophotometry. <i>Analytica Chimica Acta</i> , 1992, 258, 47-53.	2.6	50
32	Complexation of Doxorubicin with β and γ -Cyclodextrins. <i>Applied Spectroscopy</i> , 1992, 46, 652-658.	1.2	49
33	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.	2.6	49
34	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.	1.8	47
35	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.	2.6	46
36	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.	2.6	45

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37	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.	2.6	45
38	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.	2.6	45
39	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.	2.6	44
40	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.	3.2	43
41	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.	1.8	43
42	Determination of formation constants for β -cyclodextrin complexes of anthracene and pyrene using reversed-phase liquid chromatography. <i>Analytical Chemistry</i> , 1992, 64, 484-489.	3.2	42
43	Determination of carbendazim, thiabendazole and fuberidazole using a net analyte signal-based method. <i>Talanta</i> , 2003, 59, 1107-1116.	2.9	42
44	Fluorescence properties of flavonoid compounds. Quantification in paprika samples using spectrofluorimetry coupled to second order chemometric tools. <i>Food Chemistry</i> , 2016, 196, 1058-1065.	4.2	42
45	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.	1.2	41
46	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, 7248-7256.	3.2	41
47	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, 275-286.	1.1	40
48	Determination of binary mixtures of sulfonamides by photochemically induced fluorescence using partial least squares multivariate calibration. <i>Analyst</i> , 1994, 119, 1177-1181.	1.7	39
49	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, 2123-2135.	1.9	37
50	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, 1242-1249.	1.3	35
51	Analysis of Mixtures of Doxycycline and Oxytetracycline in Pharmaceutical Preparations by First Derivative Fluorimetry. <i>Analytical Letters</i> , 1990, 23, 863-876.	1.0	34
52	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.	1.2	34
53	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.	2.6	34
54	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.	2.4	33

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55	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, 273-280.	2.9	33
56	Resolution of Ofloxacin and Ciprofloxacin and Ofloxacin and Norfloxacin Binary Mixtures by Flow-Injection Chemiluminescence in Combination with Partial Least Squares Multivariate Calibration. <i>Journal of Fluorescence</i> , 2007, 17, 481-491.	1.3	33
57	Flow-through photochemically induced fluorescence optosensor for the determination of linuron. <i>Talanta</i> , 2008, 77, 852-857.	2.9	33
58	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, 2368-2374.	2.9	33
59	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, 806-813.	2.9	32
60	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, 113-122.	2.6	32
61	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.	4.2	32
62	HPLC determination of ciprofloxacin, cloxacillin, and ibuprofen drugs in human urine samples. <i>Journal of Separation Science</i> , 2006, 29, 1969-1976.	1.3	31
63	Four-way calibration applied to the simultaneous determination of folic acid and methotrexate in urine samples. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 385, 1289-1297.	1.9	30
64	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, 1261-1268.	2.9	30
65	On line photochemically induced excitation-emission-kinetic four-way data. <i>Analytica Chimica Acta</i> , 2008, 622, 94-103.	2.6	30
66	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.	1.5	29
67	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.	2.6	29
68	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, 255-263.	2.9	29
69	Simultaneous determination of cobalt and nickel by first-derivative spectrophotometry. <i>Analyst</i> , The, 1988, 113, 1439-1442.	1.7	28
70	Simultaneous determination of propranolol and hydralazine by derivative synchronous spectrofluorimetry. <i>Analytica Chimica Acta</i> , 1991, 255, 317-323.	2.6	28
71	Synchronous fluorimetric determination of salicylic acid and diflunisal in human serum using partial least-squares calibration. <i>Talanta</i> , 1996, 43, 1349-1356.	2.9	28
72	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.	1.8	28

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73	Simultaneous fluorometric determination of nalidixic acid and 7-hydroxymethylnalidixic acid by partial least squares calibration. <i>Talanta</i> , 1998, 45, 899-907.	2.9	27
74	Determination of antitubercular drugs by micellar electrokinetic capillary chromatography (MEKC). <i>Analytical and Bioanalytical Chemistry</i> , 2002, 374, 432-436.	1.9	27
75	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.	5.8	27
76	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.	0.4	27
77	High-performance liquid chromatographic determination of phenylureas by photochemically-induced fluorescence detection. <i>Journal of Chromatography A</i> , 2002, 950, 287-291.	1.8	25
78	Title is missing!. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2002, 42, 61-70.	1.6	25
79	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.	4.2	25
80	Photoinduced electron transfer fluorometric Hg(II) chemosensor based on a BODIPY armed with a tetrapod receptor. <i>Talanta</i> , 2013, 117, 288-296.	2.9	25
81	Simultaneous determination of beryllium and magnesium with 1-hydroxy-2-carboxyanthraquinone by first-derivative spectrophotometry. <i>Analyst</i> , 1987, 112, 1391-1394.	1.7	24
82	Host-guest stabilized room temperature phosphorescence in β -cyclodextrin/ bromoalcohol solutions from 2-naphthyl-oxy-acetic acid and 1-naphthyl-acetic acid. <i>Talanta</i> , 1993, 40, 1657-1664.	2.9	24
83	Fluorimetric Determination of Sulfamethoxazole in Pharmaceutical Preparations in Combination with Trimethoprim by Inclusion in β -Cyclodextrin/Urea. <i>Analytical Letters</i> , 1994, 27, 1893-1906.	1.0	24
84	Second-Order Calibration of Excitation-Emission Matrix Fluorescence Spectra for the Determination of N-Phenylanthranilic Acid Derivatives. <i>Applied Spectroscopy</i> , 2006, 60, 330-338.	1.2	24
85	Photochemically induced fluorescence investigation of a β -cyclodextrin: Azure A inclusion complex and determination of analytical parameters. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1995, 22, 235-247.	1.6	23
86	Stopped-flow determination of dipyridamole in pharmaceutical preparations by micellar-stabilized room temperature phosphorescence. <i>Talanta</i> , 1999, 48, 1061-1073.	2.9	23
87	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.	2.6	22
88	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, 827-835.	1.9	22
89	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, 520-527.	1.2	22
90	Nondestructive Total Excitation-Emission Fluorescence Microscopy Combined with Multi-Way Chemometric Analysis for Visually Indistinguishable Single Fiber Discrimination. <i>Analytical Chemistry</i> , 2016, 88, 2967-2975.	3.2	22

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91	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.	1.7	21
92	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.	4.0	21
93	Simultaneous determination of aluminium and zinc by first- and second-derivative synchronous fluorimetry. <i>Analyst, The</i> , 1988, 113, 1435-1438.	1.7	20
94	Fluorimetric Determination of Sulphaguanidine and Sulphamethoxazole by Host-Guest Complexation in β -Cyclodextrin and Partial Least Squares Calibration. <i>Journal of Fluorescence</i> , 2007, 17, 309-318.	1.3	20
95	Separation and determination of 11 marker pteridines in human urine by liquid chromatography and fluorimetric detection. <i>Journal of Separation Science</i> , 2011, 34, 1283-1292.	1.3	20
96	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.	1.3	20
97	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.	2.4	20
98	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, 1471-1476.	1.7	19
99	LC determination of biopterin reduced forms by UV-photogeneration of biopterin and fluorimetric detection. <i>Talanta</i> , 2008, 77, 844-851.	2.9	19
100	Determination of nafronyl in pharmaceutical preparations by means of stopped-flow micellar-stabilized room temperature phosphorescence. <i>Analyst, The</i> , 1998, 123, 2285-2290.	1.7	18
101	Simultaneous determination of nafcillin and methicillin by different fluorimetric techniques using partial least-squares calibration. <i>Analyst, The</i> , 1998, 123, 1073-1077.	1.7	18
102	Room temperature phosphorescence in cyclodextrins. Analytical applications. <i>Analisis - European Journal of Analytical Chemistry</i> , 2000, 28, 670-678.	0.4	18
103	Simultaneous determination of molybdenum and tungsten by first-derivative synchronous spectrofluorimetry. <i>Analyst, The</i> , 1989, 114, 1297-1301.	1.7	17
104	Application of time-domain differentiation of chromatographic peaks in liquid chromatography. <i>Analytica Chimica Acta</i> , 1990, 234, 263-267.	2.6	17
105	A chemometric sensor for determining sulphaguanidine residues in honey samples. <i>Talanta</i> , 2007, 73, 304-313.	2.9	17
106	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.	2.3	17
107	Spectrofluorimetric determination of boron in plants with quinizarin-2-sulphonic acid. <i>Analyst, The</i> , 1987, 112, 913-915.	1.7	16
108	Spectrofluorimetric Study of the Inclusion Complex of 7-Hydroxymethylalidixic Acid with β -Cyclodextrin in Aqueous Solution. <i>Applied Spectroscopy</i> , 1997, 51, 684-688.	1.2	16

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109	Stopped-flow fluorimetric determination of amoxicillin and clavulanic acid by partial least-squares multivariate calibration. <i>Talanta</i> , 2002, 56, 635-642.	2.9	16
110	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.	2.6	16
111	Binding the gap between experiments, statistics, and method comparison: A tutorial for computing limits of detection and quantification in univariate calibration for complex samples. <i>Analytica Chimica Acta</i> , 2022, 1209, 339342.	2.6	15
112	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.	1.9	14
113	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.	1.8	13
114	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.	1.5	13
115	Room temperature phosphorescence of 1-naphthalenacetamide included in β -cyclodextrin in presence of 1,3-dibromopropane. <i>Talanta</i> , 1999, 48, 15-21.	2.9	13
116	Optimization of Verapamil Drug Analysis by Excitation-Emission Fluorescence in Combination with Second-order Multivariate Calibration. <i>Journal of Fluorescence</i> , 2008, 18, 1065-1076.	1.3	13
117	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.	1.3	13
118	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.	1.3	13
119	Untargeted classification for paprika powder authentication using visible and Near infrared spectroscopy (VIS-NIRS). <i>Food Control</i> , 2021, 121, 107564.	2.8	13
120	Optimization of the room-temperature phosphorescence of the 6-bromo-2-naphthol- β -cyclodextrin system in aqueous solution. <i>Talanta</i> , 2000, 51, 949-955.	2.9	12
121	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.	1.0	11
122	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.	1.3	11
123	Development of a low-cost interface for coupling a microcomputer with a fluorescence spectrophotometer. <i>Computer-assisted fluorimetry. Computers & Chemistry</i> , 1988, 12, 213-217.	1.2	10
124	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.	1.2	10
125	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.	2.9	10
126	Spectrophotometric determination of mixtures of iron(III) and manganese(II) by complexation with 3-indolylacetohydroxamic acid and principal component regression multivariate calibration. <i>Analyst</i> , 1994, 119, 1537-1540.	1.7	9

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127	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.	1.3	9
128	Classification of pre-dyed textile fibers exposed to weathering and photodegradation by non-destructive excitation-emission fluorescence spectroscopy paired with discriminant unfolded-partial least squares. <i>Forensic Chemistry</i> , 2019, 12, 25-32.	1.7	9
129	Spectrofluorimetric Determination of Y(III) with 1-Hydroxy-2-Carboxyanthraquinone. <i>Analytical Letters</i> , 1984, 17, 497-505.	1.0	8
130	Spectrofluorimetric determination of vanadium(V) in petroleum crudes and basic slag with Nuclear Fast Red. <i>Analyst, The</i> , 1988, 113, 987-990.	1.7	8
131	Cross-sections of spectrochromatograms for the resolution of overlapping peaks in diode-array high-performance liquid-chromatography. <i>Talanta</i> , 1998, 46, 1329-1340.	2.9	8
132	Automatic Web-Based Grading System: Application in an Advanced Instrumental Analysis Chemistry Laboratory. <i>Journal of Chemical Education</i> , 2013, 90, 308-314.	1.1	8
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