Arsenio MuÃ±oz de la PeÃ±a

List of Publications by Year
in descending order

173 papers	5,345 citations	66315 42 h-index	118793 62 g-index
174 all docs	174 docs citations	174 times ranked	3354 citing authors

#	Article	IF	Citations
1	Second- and third-order multivariate calibration: data, algorithms and applications. TrAC - Trends in Analytical Chemistry, 2007, 26, 752-765.	5.8	294
2	Alcohol size as a factor in the ternary complexes formed with pyrene and .beta.-cyclodextrin. Journal of the American Chemical Society, 1991, 113, 1572-1577.	6.6	174
3	Second- and higher-order data generation and calibration: A tutorial. Analytica Chimica Acta, 2014, 806, 8-26.	2.6	152
4	Rhodamine and BODIPY chemodosimeters and chemosensors for the detection of Hg²⁺, based on fluorescence enhancement effects. Analytical Methods, 2013, 5, 30-49.	1.3	146
5	Analysis of antibiotics in fish samples. Analytical and Bioanalytical Chemistry, 2009, 395, 987-1008.	1.9	115
6	Second-Order Advantage Achieved with Four-Way Fluorescence Excitationâ^'Emissionâ^'Kinetic Data Processed by Parallel Factor Analysis and Trilinear Least-Squares. Determination of Methotrexate and Leucovorin in Human Urine. Analytical Chemistry, 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. Analytical Chemistry, 2003, 75, 2640-2646.	3.2	97
8	HPLC determination of enoxacin, ciprofloxacin, norfloxacin and ofloxacin with photoinduced fluorimetric (PIF) detection and multiemission scanning. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2005, 822, 185-193.	1.2	93
9	Second-order and higher-order multivariate calibration methods applied to non-multilinear data using different algorithms. TrAC - Trends in Analytical Chemistry, 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. Chemometrics and Intelligent Laboratory Systems, 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. Analytica Chimica Acta, 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. Analyst, The, 1993, 118, 807-813.	1.7	72
13	Second-Order Advantage Achieved by Unfolded-Partial Least-Squares/Residual Bilinearization Modeling of Excitationâ^'Emission Fluorescence Data Presenting Inner Filter Effects. Analytical Chemistry, 2006, 78, 8051-8058.	3.2	69
14	Influence of alcohols on the .beta.-cyclodextrin/acridine complex. Journal of the American Chemical Society, 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. Talanta, 2018, 178, 751-762.	2.9	67
16	Characterization of the .beta.-cyclodextrin/acridine complex. The Journal of Physical Chemistry, 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. Analytica Chimica Acta, 1993, 276, 141-149.	2.6	64
18	Cyclodextrin-induced fluid solution room-temperature phosphorescence from acenaphthene in the presence of 2-bromoethanol. Analytica Chimica Acta, 1991, 255, 351-357.	2.6	63

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19	Spectral characterization of?-Cyclodextrin : Triton X-100 complexes. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 1991, 10, 471-484.	1.6	63
20	Influence of alcohol addition on the .gamma.-CD:pyrene complex. The Journal of Physical Chemistry, 1991, 95, 6701-6706.	2.9	62
21	Absorptiometric and spectrofluorimetric study of the inclusion complexes of 2-naphthyloxyacetic acid and 1-naphthylacetic acid with ?-cyclodextrin in aqueous solution. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 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. Talanta, 2003, 60, 279-285.	2.9	60
23	Multiway Partial Least-Squares Coupled to Residual Trilinearization:â€‰ A Genuine Multidimensional Tool for the Study of Third-Order Data. Simultaneous Analysis of Procaine and Its Metabolite p-Aminobenzoic Acid in Equine Serum. Analytical Chemistry, 2007, 79, 6949-6958.	3.2	59
24	Partial least squares multicomponent fluorimetric determination of fluoroquinolones in human urine samples. Talanta, 2004, 62, 853-860.	2.9	55
25	Spectrofluorimetric determination of nalidixic acid based on hostâ€“guest complexation with Î³-cyclodextrin. Analyst, The, 1994, 119, 1215-1219.	1.7	53
26	Synthesis of a water-soluble chiral N-acylcalix(4)arene amino acid derivative. Tetrahedron Letters, 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. Journal of Chromatography A, 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. Talanta, 2006, 68, 1215-1221.	2.9	52
29	Simultaneous determination of salicyclic and salicyluric acids in urine by first-derivative synchronous fluorescence spectroscopy. Analytical Chemistry, 1988, 60, 2493-2496.	3.2	51
30	Determination of salicylic acid and its metabolites in urine by derivative synchronous spectrofluorimetry. Analyst, The, 1990, 115, 1007-1011.	1.7	50
31	Simultaneous determination of pesticides by multivariate spectral analysis and derivative spectrophotometry. Analytica Chimica Acta, 1992, 258, 47-53.	2.6	50
32	Complexation of Doxorubicin with Î² and Î³-Cyclodextrins. Applied Spectroscopy, 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. Analytica Chimica Acta, 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. Chemometrics and Intelligent Laboratory Systems, 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 amoxycillin and clavulanic acid by stopped-flow kinetic analysis. Analytica Chimica Acta, 2002, 463, 75-88.	2.6	46
36	Room-temperature phosphorescence of acenaphthene in aerated solutions in the presence of bromoalcohols and Î³-cyclodextrin. Analytica Chimica Acta, 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. Analytica Chimica Acta, 1999, 384, 95-103.	2.6	45
38	Modeling four and three-way fast high-performance liquid chromatography with ï¬‚uorescence detection data for quantitation of fluoroquinolones in water samples. Analytica Chimica Acta, 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. Analytica Chimica Acta, 2005, 531, 257-266.	2.6	44
40	Solution studies of .beta.-cyclodextrin-pyrene complexes under reversed-phase liquid chromatographic conditions: effect of alcohols as mobile-phase comodifiers. Analytical Chemistry, 1991, 63, 1018-1023.	3.2	43
41	Four-way multivariate calibration using ultra-fast high-performance liquid chromatography with fluorescence excitationâ€“emission detection. Application to the direct analysis of chlorophylls a and b and pheophytins a and b in olive oils. Chemometrics and Intelligent Laboratory Systems, 2013, 125, 121-131.	1.8	43
42	Determination of formation constants for .beta.-cyclodextrin complexes of anthracene and pyrene using reversed-phase liquid chromatography. Analytical Chemistry, 1992, 64, 484-489.	3.2	42
43	Determination of carbendazim, thiabendazole and fuberidazole using a net analyte signal-based method. Talanta, 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. Food Chemistry, 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. Applied Spectroscopy, 2004, 58, 83-90.	1.2	41
46	Nonlinear Four-Way Kinetic-Excitationâ^'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. Analytical Chemistry, 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. Analytical Biochemistry, 2005, 347, 275-286.	1.1	40
48	Determination of binary mixtures of sulfonamides by photochemically induced fluorescence using partial least squares multivariate calibration. Analyst, The, 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. Analytical and Bioanalytical Chemistry, 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. Journal of Separation Science, 2007, 30, 1242-1249.	1.3	35
51	Analysis of Mixtures of Doxycycline and Oxytetracycline in Pharmaceutical Preparations by First Derivative Fluorimetry. Analytical Letters, 1990, 23, 863-876.	1.0	34
52	Spectroscopic Studies of the Interaction of Tert-Butylamine and n-Propylamine with the Î²-Cyclodextrin: Pyrene Complex. Applied Spectroscopy, 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 excitationâ€“emission fluorescence data. Analytica Chimica Acta, 2006, 569, 250-259.	2.6	34
54	Simultaneous determination of 2-furfuraldehyde and 5-(hydroxymethyl)-2-furfuraldehyde by derivative spectrophotometry. Journal of Agricultural and Food Chemistry, 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. Talanta, 2002, 58, 273-280.	2.9	33
56	Resolution of Ofloxacinâ€“Ciprofloxacin and Ofloxacinâ€“Norfloxacin Binary Mixtures by Flow-Injection Chemiluminescence in Combination with Partial Least Squares Multivariate Calibration. Journal of Fluorescence, 2007, 17, 481-491.	1.3	33
57	Flow-through photochemically induced fluorescence optosensor for the determination of linuron. Talanta, 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. Talanta, 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. Talanta, 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. Analytica Chimica Acta, 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. Food Chemistry, 2019, 274, 187-193.	4.2	32
62	HPLC determination of ciprofloxacin, cloxacillin, and ibuprofen drugs in human urine samples. Journal of Separation Science, 2006, 29, 1969-1976.	1.3	31
63	Four-way calibration applied to the simultaneous determination of folic acid and methotrexate in urine samples. Analytical and Bioanalytical Chemistry, 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. Talanta, 2007, 72, 1261-1268.	2.9	30
65	On line photochemically induced excitationâ€“emission-kinetic four-way data. Analytica Chimica Acta, 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. Fresenius' Journal of Analytical Chemistry, 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. Analytica Chimica Acta, 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. Talanta, 2002, 58, 255-263.	2.9	29
69	Simultaneous determination of cobalt and nickel by first-derivative spectrophotometry. Analyst, The, 1988, 113, 1439-1442.	1.7	28
70	Simultaneous determination of propranolol and hydralazine by derivative synchronous spectrofluorimetry. Analytica Chimica Acta, 1991, 255, 317-323.	2.6	28
71	Synchronous fluorimetric determination of salicylic acid and diflunisal in human serum using partial least-squares calibration. Talanta, 1996, 43, 1349-1356.	2.9	28
72	Novel augmented parallel factor model for four-way calibration of high-performance liquid chromatographyâ€“fluorescence excitationâ€“emission data. Chemometrics and Intelligent Laboratory Systems, 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. Talanta, 1998, 45, 899-907.	2.9	27
74	Determination of antitubercular drugs by micellar electrokinetic capillary chromatography (MEKC). Analytical and Bioanalytical Chemistry, 2002, 374, 432-436.	1.9	27
75	Modeling second-order data for classification issues: Data characteristics, algorithms, processing procedures and applications. TrAC - Trends in Analytical Chemistry, 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. Analusis - European Journal of Analytical Chemistry, 1999, 27, 857-863.	0.4	27
77	High-performance liquid chromatographic determination of phenylureas by photochemically-induced fluorescence detection. Journal of Chromatography A, 2002, 950, 287-291.	1.8	25
78	Title is missing!. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2002, 42, 61-70.	1.6	25
79	Determination of danofloxacin in milk combining second-order calibration and standard addition method using excitationâ€“emission fluorescence data. Food Chemistry, 2009, 113, 1260-1265.	4.2	25
80	Photoinduced electron transfer fluorometric Hg(II) chemosensor based on a BODIPY armed with a tetrapod receptor. Talanta, 2013, 117, 288-296.	2.9	25
81	Simultaneous determination of beryllium and magnesium with 1-hydroxy-2-carboxyanthraquinone by first-derivative spectrophotometry. Analyst, The, 1987, 112, 1391-1394.	1.7	24
82	Hostâ€”guest stabilized room temperature phosphorescence in Î²-cyclodextrin/ bromoalcohol solutions from 2-naphthyl-oxy-acetic acid and 1-naphthyl-acetic acid. Talanta, 1993, 40, 1657-1664.	2.9	24
83	Fluorimetric Determination of Sulfametoxazole in Pharmaceutical Preparations in Combination with Trimethoprim by Inclusion in Î²-Cyclodextrin/Urea. Analytical Letters, 1994, 27, 1893-1906.	1.0	24
84	Second-Order Calibration of Excitationâ€”Emission Matrix Fluorescence Spectra for the Determination of N-Phenylanthranilic Acid Derivatives. Applied Spectroscopy, 2006, 60, 330-338.	1.2	24
85	Photochemically induced fluorescence investigation of a?-cyclodextrin: Azure A inclusion complex and determination of analytical parameters. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 1995, 22, 235-247.	1.6	23
86	Stopped-flow determination of dipyridamole in pharmaceutical preparations by micellar-stabilized room temperature phosphorescence. Talanta, 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. Analytica Chimica Acta, 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. Analytical and Bioanalytical Chemistry, 2008, 391, 827-835.	1.9	22
89	Fluorescent Determination of Hg²⁺ in Water and Fish Samples Using a Chemodosimeter Based in a Rhodamine 6G Derivative and a Portable Fiber-Optic Spectrofluorimeter. Applied Spectroscopy, 2010, 64, 520-527.	1.2	22
90	Nondestructive Total Excitationâ€“Emission Fluorescence Microscopy Combined with Multi-Way Chemometric Analysis for Visually Indistinguishable Single Fiber Discrimination. Analytical Chemistry, 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. Analyst, The, 1994, 119, 1151-1155.	1.7	21
92	A sensing microfibre mat produced by electrospinning for the turn-on luminescence determination of Hg2+ in water samples. Sensors and Actuators B: Chemical, 2014, 195, 8-14.	4.0	21
93	Simultaneous determination of aluminium and zinc by first- and second-derivative synchronous fluorimetry. Analyst, The, 1988, 113, 1435-1438.	1.7	20
94	Fluorimetric Determination of Sulphaguanidine and Sulphamethoxazole by Host-Guest Complexation in Î²-Cyclodextrin and Partial Least Squares Calibration. Journal of Fluorescence, 2007, 17, 309-318.	1.3	20
95	Separation and determination of 11 marker pteridines in human urine by liquid chromatography and fluorimetric detection. Journal of Separation Science, 2011, 34, 1283-1292.	1.3	20
96	A novel nylon membraneâ€“rhodamine 6G spirocyclic phenylthiosemicarbazide derivative system as a fluorimetric probe for mercury(ii) ion. Analytical Methods, 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. Journal of Agricultural and Food Chemistry, 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. Analyst, The, 2000, 125, 1471-1476.	1.7	19
99	LC determination of biopterin reduced forms by UV-photogeneration of biopterin and fluorimetric detection. Talanta, 2008, 77, 844-851.	2.9	19
100	Determination of nafronyl in pharmaceutical preparations by means of stopped-flow micellar-stabilized room temperature phosphorescence. Analyst, The, 1998, 123, 2285-2290.	1.7	18
101	Simultaneous determination of nafcillin and methicillin by different fluorimetric techniques using partial least-squares calibration. Analyst, The, 1998, 123, 1073-1077.	1.7	18
102	Room temperature phosphorescence in cyclodextrins. Analytical applications. Analusis - European Journal of Analytical Chemistry, 2000, 28, 670-678.	0.4	18
103	Simultaneous determination of molybdenum and tungsten by first-derivative synchronous spectrofluorimetry. Analyst, The, 1989, 114, 1297-1301.	1.7	17
104	Application of time-domain differentiation of chromatographic peaks in liquid chromatography. Analytica Chimica Acta, 1990, 234, 263-267.	2.6	17
105	A chemometric sensor for determining sulphaguanidine residues in honey samples. Talanta, 2007, 73, 304-313.	2.9	17
106	Evolution of polyphenols content in plum fruits (Prunus salicina) with harvesting time by second-order excitation-emission fluorescence multivariate calibration. Microchemical Journal, 2020, 158, 105299.	2.3	17
107	Spectrofluorimetric determination of boron in plants with quinizarin-2-sulphonic acid. Analyst, The, 1987, 112, 913-915.	1.7	16
108	Spectrofluorimetric Study of the Inclusion Complex of 7-Hydroxymethylnalidixic Acid with Î³-Cyclodextrin in Aqueous Solution. Applied Spectroscopy, 1997, 51, 684-688.	1.2	16

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109	Stopped-flow fluorimetric determination of amoxycillin and clavulanic acid by partial least-squares multivariate calibration. Talanta, 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. Analytica Chimica Acta, 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. Analytica Chimica Acta, 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. Journal of Food Composition and Analysis, 2018, 67, 10-18.	1.9	14
113	Retention behavior of Î²-cyclodextrin complexes of anthracene and pyrene using reversed-phase liquid chromatography. Journal of Chromatography A, 1992, 594, 37-43.	1.8	13
114	Simultaneous fluorimetric determination of acetylsalicylic acid metabolites in urine by partial least squares multivariate calibration. Fresenius' Journal of Analytical Chemistry, 1995, 353, 211-214.	1.5	13
115	Room temperature phosphorescence of 1-naphtalenacetamide included in Î²-cyclodextrin in presence of 1,3-dibromopropane. Talanta, 1999, 48, 15-21.	2.9	13
116	Optimization of Verapamil Drug Analysis by Excitation-Emission Fluorescence in Combination with Second-order Multivariate Calibration. Journal of Fluorescence, 2008, 18, 1065-1076.	1.3	13
117	Hg2+-selective sensing film based on the incorporation of a rhodamine 6G derivative into a novel hydrophilic water-insoluble copolymer. Analytical Methods, 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. Food Analytical Methods, 2019, 12, 1399-1411.	1.3	13
119	Untargeted classification for paprika powder authentication using visible â€“ Near infrared spectroscopy (VIS-NIRS). Food Control, 2021, 121, 107564.	2.8	13
120	Optimization of the room-temperature phosphorescence of the 6-bromo-2-naphtholÃ¢Â€Â“ÃŽÂ±-cyclodextrin system in aqueous solution. Talanta, 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. Analytical Letters, 1988, 21, 1457-1468.	1.0	11
122	Excitationâ€“emission matrix fluorescence spectroscopy combined with MCR-ALS as a tool for the forensic analysis of similar and dissimilar sets of textile fiber extracts. Analytical Methods, 2016, 8, 8314-8321.	1.3	11
123	Development of a low-cost interface for coupling a microcomputer with a fluorescence spectrophotometer. Computer-assisted fluorimetry. Computers & Chemistry, 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. Applied Spectroscopy, 2001, 55, 496-503.	1.2	10
125	Isocratic LCâ€“DADâ€“FLD method for the determination of flavonoids in paprika samples by using a rapid resolution column and post-column pH change. Talanta, 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. Analyst, The, 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. Food Analytical Methods, 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. Forensic Chemistry, 2019, 12, 25-32.	1.7	9
129	Spectrofluorimetric Determination of Y(III) with 1-Hydroxy-2-Carboxyanthraquinone. Analytical Letters, 1984, 17, 497-505.	1.0	8
130	Spectrofluorimetric determination of vanadium(V) in petroleum crudes and basic slag with Nuclear Fast Red. Analyst, The, 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. Talanta, 1998, 46, 1329-1340.	2.9	8
132	Automatic Web-Based Grading System: Application in an Advanced Instrumental Analysis Chemistry Laboratory. Journal of Chemical Education, 2013, 90, 308-314.	1.1	8
133	Highly Selective and Ultrasensitive Turn-on Luminescence Chemosensor for Mercury (II) Determination Based on the Rhodamine 6G Derivative FC1 and Au Nanoparticles. Sensors, 2016, 16, 1652.	2.1	8
134	Combination of fluorescence excitation emission matrices in polar and non-polar solvents to obtain three- and four- way arrays for classification of Tempranillo grapes according to maturation stage and hydric status. Talanta, 2019, 199, 652-661.	2.9	8
135	Multi-way calibration for the quantification of polycyclic aromatic hydrocarbons in samples of environmental impact. Microchemical Journal, 2021, 164, 106016.	2.3	8
136	Determination of magnesium by spectrofluorimetry and synchronous scanning first and second derivative spectrofluorimetry with 2-quinizarinsulphonate. Mikrochimica Acta, 1985, 87, 361-368.	2.5	7
137	Spectrofluorimetric determination of beryllium in rocks, alloys and steels with nuclear fast red. Analyst, The, 1987, 112, 645-648.	1.7	7
138	Analysis of mixtures of oxytetracycline and riboflavine by first-derivative synchronous spectrofluorimetry. Analyst, The, 1991, 116, 291-296.	1.7	7
139	Stopped-flow and kinetic-fluorimetric determination of quinalphos in water samples. Talanta, 2006, 69, 397-402.	2.9	7
140	Second-Order Data Obtained by Time-Resolved Room Temperature Phosphorescence. A New Approach for PARAFAC Multicomponent Analysis. Journal of Fluorescence, 2009, 19, 345-352.	1.3	7
141	Unfolded and Multiway Partial Least-Squares with Residual Multilinearization. Data Handling in Science and Technology, 2015, 29, 365-397.	3.1	7
142	Phenanthrene metabolites determination in human breast and cow milk by combining elution time-emission fluorescence data with multiway calibration. Talanta, 2018, 188, 299-307.	2.9	7
143	Non-destructive fluorescence spectroscopy combined with second-order calibration as a new strategy for the analysis of the illegal Sudan I dye in paprika powder. Microchemical Journal, 2020, 154, 104539.	2.3	7
144	Spectrofluorimetric determination of aluminium(III) in Portland cement and aluminium bronze with 1-hydroxy-2-carboxyanthraquinone. Analyst, The, 1984, 109, 1135-1137.	1.7	6

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145	Spectrophotometric and First Derivative Spectrophotometric Determination of Magnesium with 1-Hydroxy-2-Carboxyanthraquinone. Analytical Letters, 1986, 19, 1349-1358.	1.0	6
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147	Spectroscopic Studies of the Interaction of 1,4-Diphenyl-1,3-Butadiene with Î±-, Î²-, and Î³-Cyclodextrins. Applied Spectroscopy, 1997, 51, 153-159.	1.2	6
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