

Salvador Garrigues

List of Publications by Year in descending order

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226
papers

7,253
citations

81839

39
h-index

98753

67
g-index

290
all docs

290
docs citations

290
times ranked

6509
citing authors

#	ARTICLE	IF	CITATIONS
1	Green Analytical Chemistry. TrAC - Trends in Analytical Chemistry, 2008, 27, 497-511.	5.8	789
2	The role of green extraction techniques in Green Analytical Chemistry. TrAC - Trends in Analytical Chemistry, 2015, 71, 2-8.	5.8	255
3	Vibrational spectroscopy provides a green tool for multi-component analysis. TrAC - Trends in Analytical Chemistry, 2010, 29, 578-591.	5.8	221
4	Green extraction techniques in green analytical chemistry. TrAC - Trends in Analytical Chemistry, 2019, 116, 248-253.	5.8	167
5	PLS-NIR determination of total sugar, glucose, fructose and sucrose in aqueous solutions of fruit juices. Analytica Chimica Acta, 1997, 344, 41-53.	2.6	163
6	Determination of edible oil parameters by near infrared spectrometry. Analytica Chimica Acta, 2007, 596, 330-337.	2.6	149
7	Selection of calibration set samples in determination of olive oil acidity by partial least squaresâ€ˆattenuated total reflectanceâ€ˆFourier transform infrared spectroscopy. Analytica Chimica Acta, 2003, 489, 59-75.	2.6	91
8	Nutritional parameters of commercially available milk samples by FTIR and chemometric techniques. Analytica Chimica Acta, 2004, 513, 401-412.	2.6	86
9	Use of Reflectance Infrared Spectroscopy for Monitoring the Metal Content of the Estuarine Sediments of the Nerbioi-Ibaizabal River (Metropolitan Bilbao, Bay of Biscay, Basque Country). Environmental Science & Technology, 2009, 43, 9314-9320.	4.6	80
10	Combination of mid- and near-infrared spectroscopy for the determination of the quality properties of beers. Analytica Chimica Acta, 2006, 571, 167-174.	2.6	76
11	Evaluation of nutritional parameters in infant formulas and powdered milk by Raman spectroscopy. Analytica Chimica Acta, 2007, 593, 30-38.	2.6	73
12	Direct determination of ethanol in all types of alcoholic beverages by near-infrared derivative spectrometry. Analyst, The, 1993, 118, 1167.	1.7	65
13	A green analytical chemistry approach for lipid extraction: computation methods in the selection of green solvents as alternative to hexane. Analytical and Bioanalytical Chemistry, 2017, 409, 3527-3539.	1.9	64
14	The Use of Near-Infrared Spectrometry in the Olive Oil Industry. Critical Reviews in Food Science and Nutrition, 2010, 50, 567-582.	5.4	63
15	Solid-phase FT-Raman determination of caffeine in energy drinks. Analytica Chimica Acta, 2005, 547, 197-203.	2.6	62
16	Flow injection spectrophotometric determination of paracetamol in pharmaceuticals by means of on-line microwave-assisted hydrolysis and reaction with 8-hydroxyquinoline (8-quinolinol). Analytica Chimica Acta, 1996, 330, 59-69.	2.6	59
17	Separation of motor oils, oily wastes and hydrocarbons from contaminated water by sorption on chrome shavings. Journal of Hazardous Materials, 2007, 145, 148-153.	6.5	59
18	Green strategies for decontamination of analytical wastes. TrAC - Trends in Analytical Chemistry, 2010, 29, 592-601.	5.8	59

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19	Preliminary studies about thermal degradation of edible oils through attenuated total reflectance mid-infrared spectrometry. <i>Food Chemistry</i> , 2009, 114, 1529-1536.	4.2	56
20	PLS-UV spectrophotometric method for the simultaneous determination of paracetamol, acetylsalicylic acid and caffeine in pharmaceutical formulations. <i>Fresenius' Journal of Analytical Chemistry</i> , 1997, 357, 973-976.	1.5	55
21	Chemometric determination of arsenic and lead in untreated powdered red paprika by diffuse reflectance near-infrared spectroscopy. <i>Analytica Chimica Acta</i> , 2008, 613, 196-206.	2.6	54
22	Direct determination of ethanol and methanol in liquid samples by means of vapor phase-Fourier transform infrared spectroscopy. <i>Vibrational Spectroscopy</i> , 1997, 15, 219-228.	1.2	53
23	Development of a PLS based method for determination of the quality of beers by use of NIR: spectral ranges and sample-introduction considerations. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 382, 1549-1561.	1.9	53
24	Sweeteners determination in table top formulations using FT-Raman spectrometry and chemometric analysis. <i>Analytica Chimica Acta</i> , 2004, 521, 149-155.	2.6	51
25	Mid-infrared and Raman spectrometry for quality control of pesticide formulations. <i>TrAC - Trends in Analytical Chemistry</i> , 2005, 24, 772-781.	5.8	51
26	Nondestructive Direct Determination of Heroin in Seized Illicit Street Drugs by Diffuse Reflectance near-Infrared Spectrometry. <i>Analytical Chemistry</i> , 2008, 80, 7257-7265.	3.2	51
27	Flow Injection Fourier Transform Infrared Determination of Caffeine in Soft Drinks. <i>Analytical Chemistry</i> , 1997, 69, 1086-1091.	3.2	50
28	Protein determination in serum and whole blood by attenuated total reflectance infrared spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 649-656.	1.9	50
29	Determination of the energetic value of fruit and milk-based beverages through partial-least-squares attenuated total reflectance-Fourier transform infrared spectrometry. <i>Analytica Chimica Acta</i> , 2005, 538, 181-193.	2.6	49
30	Evaluation of the application of attenuated total reflectance-Fourier transform infrared spectrometry (ATR-FTIR) and chemometrics to the determination of nutritional parameters of yogurt samples. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 385, 708-715.	1.9	49
31	FIA-FT-IR determination of ibuprofen in pharmaceuticals. <i>Talanta</i> , 1993, 40, 89-93.	2.9	48
32	Near-infrared diffuse reflectance spectroscopy and neural networks for measuring nutritional parameters in chocolate samples. <i>Analytica Chimica Acta</i> , 2007, 584, 215-222.	2.6	48
33	Infrared-based quantification of clinical parameters. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 62, 93-105.	5.8	48
34	FTIR Determination of Aspartame and Acesulfame-K in Tabletop Sweeteners. <i>Journal of Agricultural and Food Chemistry</i> , 2004, 52, 7798-7803.	2.4	46
35	Artificial neural network for quantitative determination of total protein in yogurt by infrared spectrometry. <i>Microchemical Journal</i> , 2009, 91, 47-52.	2.3	46
36	Determination of quality parameters of beers by the use of attenuated total reflectance-Fourier transform infrared spectrometry. <i>Talanta</i> , 2006, 69, 469-480.	2.9	44

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37	Towards the determination of isoprene in human breath using substrate-integrated hollow waveguide mid-infrared sensors. <i>Journal of Breath Research</i> , 2014, 8, 026003.	1.5	43
38	Vapour generation-FTIR Fourier transform infrared direct determination of ethanol in alcoholic beverages. <i>Analyst</i> , The, 1996, 121, 923-928.	1.7	41
39	Derivative Fourier transform infrared spectrometric determination of ethanol in alcoholic beverages. <i>Analytica Chimica Acta</i> , 1994, 287, 275-283.	2.6	40
40	Flow injection-FTIR determination of dithiocarbamate pesticides. <i>Analyst</i> , The, 2000, 125, 1829-1833.	1.7	40
41	A validated and fast procedure for FTIR determination of Cypermethrin and Chlorpyrifos. <i>Talanta</i> , 2005, 67, 634-639.	2.9	39
42	Testing of the Region of Murcia soils by near infrared diffuse reflectance spectroscopy and chemometrics. <i>Talanta</i> , 2009, 78, 388-398.	2.9	39
43	Solid phase preconcentration-Fourier transform infrared spectrometric determination of carbaryl and 1-naphthol. <i>Analytica Chimica Acta</i> , 1995, 314, 203-212.	2.6	38
44	Flow injection-FTIR Fourier transform infrared spectrometric determination of paracetamol in pharmaceuticals. <i>Analyst</i> , The, 1996, 121, 635-639.	1.7	38
45	Clean Method for the Simultaneous Determination of Propyphenazone and Caffeine in Pharmaceuticals by Flow Injection Fourier Transform Infrared Spectrometry. <i>Analyst</i> , The, 1997, 122, 441-446.	1.7	38
46	Non-invasive analysis of solid samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 43, 161-173.	5.8	38
47	Determination of total phenolic compounds in compost by infrared spectroscopy. <i>Talanta</i> , 2016, 153, 360-365.	2.9	38
48	Multivariate calibrations in Fourier transform infrared spectrometry for prediction of kerosene properties. <i>Analytica Chimica Acta</i> , 1995, 317, 95-105.	2.6	37
49	Headspace-mass spectrometry determination of benzene, toluene and the mixture of ethylbenzene and xylene isomers in soil samples using chemometrics. <i>Analytica Chimica Acta</i> , 2007, 587, 89-96.	2.6	37
50	Determination of total sterols in brown algae by Fourier transform infrared spectroscopy. <i>Analytica Chimica Acta</i> , 2008, 616, 185-189.	2.6	37
51	Detection and characterization of emerging psychoactive substances by ion mobility spectrometry. <i>Drug Testing and Analysis</i> , 2015, 7, 280-289.	1.6	37
52	Determination of fatty acids and lipid classes in salmon oil by near infrared spectroscopy. <i>Food Chemistry</i> , 2018, 239, 865-871.	4.2	37
53	Flow-injection Fourier transform infrared spectrometric analysis. <i>Analytica Chimica Acta</i> , 1992, 261, 53-57.	2.6	36
54	On-line gel permeation chromatography-attenuated total reflectance-FTIR Fourier transform infrared determination of lecithin and soybean oil in dietary supplements. <i>Journal of Chromatography A</i> , 2008, 1185, 71-77.	1.8	35

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55	Classification of persimmon fruit origin by near infrared spectrometry and least squares-support vector machines. <i>Journal of Food Engineering</i> , 2014, 142, 17-22.	2.7	35
56	Simple partial least squares-attenuated total reflectance Fourier transform infrared spectrometric method for the determination of sugars in fruit juices and soft drinks using aqueous standards. <i>Analyst, The</i> , 1998, 123, 277-281.	1.7	34
57	Simultaneous determination of Folpet and Metalaxyl in pesticide formulations by flow injection Fourier transform infrared spectrometry. <i>Analytica Chimica Acta</i> , 2003, 480, 11-21.	2.6	34
58	Evaluation of infrared spectroscopy as a screening tool for serum analysis. <i>Microchemical Journal</i> , 2013, 106, 202-211.	2.3	34
59	Simultaneous determination of ortho-, meta- and para-xylene by flow injection-Fourier transform infrared spectroscopy. <i>Analyst, The</i> , 1992, 117, 1849.	1.7	33
60	Direct determination of polymerised triacylglycerides in deep-frying vegetable oil by near infrared spectroscopy using Partial Least Squares regression. <i>Food Chemistry</i> , 2012, 131, 353-359.	4.2	33
61	Portability in analytical chemistry: a green and democratic way for sustainability. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2019, 19, 94-98.	3.2	33
62	Direct determination of benzene in gasoline by flow-injection Fourier transform infrared spectrometry. <i>Analytica Chimica Acta</i> , 1993, 274, 267-274.	2.6	32
63	Simultaneous determination of acetylsalicylic acid and caffeine in pharmaceuticals by flow injection with fourier transform infrared detection. <i>Talanta</i> , 1993, 40, 1799-1807.	2.9	32
64	Simultaneous flow analysis Fourier transform infrared determination of benzene, toluene, and methyl t-butyl ether in petrol. <i>Analyst, The</i> , 1994, 119, 653.	1.7	32
65	On-line preconcentration and flow analysis- Fourier transform infrared determination of carbaryl. <i>Analyst, The</i> , 1994, 119, 659-664.	1.7	32
66	On-line solvent recycling: a tool for the development of clean analytical chemistry in flow injection Fourier transform infrared spectrometry. Determination of ketoprofen. <i>Analytica Chimica Acta</i> , 1998, 361, 253-260.	2.6	32
67	Fourier-transform infrared determination of nicotine in tobacco samples by transmittance measurements after leaching with CHCl ₃ . <i>Analytica Chimica Acta</i> , 1998, 373, 63-71.	2.6	32
68	Determination of sulfide in waters by flow-injection solid phase spectrophotometry. <i>Analyst, The</i> , 2000, 125, 1835-1838.	1.7	32
69	Stopped-flow near-infrared spectrometric determination of ethanol and maltose in beers. <i>Analytica Chimica Acta</i> , 1994, 296, 155-161.	2.6	31
70	Simultaneous stopped-flow determination of paracetamol, acetylsalicylic acid and caffeine in pharmaceutical formulations by Fourier transform infrared spectrometry with partial least-squares data treatment. <i>Analyst, The</i> , 1996, 121, 1935.	1.7	31
71	Vapour generation-Fourier transform infrared spectrometric determination of benzene, toluene and methyl tert.-butyl ether in gasolines. <i>Analytica Chimica Acta</i> , 1996, 333, 157-165.	2.6	31
72	Direct determination of Mancozeb by photoacoustic spectrometry. <i>Analytica Chimica Acta</i> , 2006, 567, 255-261.	2.6	31

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73	Partial least squares-near infrared determination of pesticides in commercial formulations. <i>Vibrational Spectroscopy</i> , 2007, 44, 273-278.	1.2	31
74	New cut-off criterion for uninformative variable elimination in multivariate calibration of near-infrared spectra for the determination of heroin in illicit street drugs. <i>Analytica Chimica Acta</i> , 2008, 630, 150-160.	2.6	31
75	Determination of lecithin and soybean oil in dietary supplements using partial least squaresâ€”Fourier transform infrared spectroscopy. <i>Talanta</i> , 2008, 77, 229-234.	2.9	31
76	Flow-injection determination of water in organic solvents by near-infrared spectrometry. <i>Analytica Chimica Acta</i> , 1993, 281, 259-264.	2.6	30
77	Determination of carbaryl in pesticide formulations by Fourier transform infrared spectrometry with flow analysis. <i>Analyst, The</i> , 1993, 118, 1043-1048.	1.7	30
78	Fourier transform infrared determination of caffeine in roasted coffee samples. <i>Fresenius' Journal of Analytical Chemistry</i> , 2000, 366, 319-322.	1.5	30
79	FTâ€”Raman spectrometry determination of Malathion in pesticide formulations. <i>Talanta</i> , 2004, 63, 345-350.	2.9	30
80	Validated, non-destructive and environmentally friendly determination of cocaine in euro bank notes. <i>Journal of Chromatography A</i> , 2005, 1065, 321-325.	1.8	30
81	Modified locally weightedâ€”Partial least squares regression improving clinical predictions from infrared spectra of human serum samples. <i>Talanta</i> , 2013, 107, 368-375.	2.9	30
82	Evaluation of extraction alternatives for Fourier transform infrared spectrometric determination of oil and greases in water. <i>Analytica Chimica Acta</i> , 1997, 345, 161-171.	2.6	29
83	Fourier transform infrared spectrometric strategies for the determination of Bupropion in pesticide formulations. <i>Analytica Chimica Acta</i> , 2002, 468, 81-90.	2.6	29
84	Seafood freshness determination through vapour phase Fourier transform infrared spectroscopy. <i>Analytica Chimica Acta</i> , 2006, 580, 216-222.	2.6	29
85	Characterization of estuarine sediments by near infrared diffuse reflectance spectroscopy. <i>Analytica Chimica Acta</i> , 2008, 624, 113-127.	2.6	29
86	Flow injection Fourier transform infrared determination of caffeine in coffee. <i>Vibrational Spectroscopy</i> , 1999, 21, 143-150.	1.2	28
87	Retention of carbaryl by polyether type polyurethane foam: a critical study. <i>Analyst, The</i> , 2000, 125, 257-261.	1.7	28
88	Determination of caffeine in tea samples by Fourier transform infrared spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2002, 374, 561-565.	1.9	28
89	The ways to the trace level analysis in infrared spectroscopy. <i>Analytical Methods</i> , 2011, 3, 43-52.	1.3	28
90	Green direct determination of mineral elements in artichokes by infrared spectroscopy and X-ray fluorescence. <i>Food Chemistry</i> , 2016, 196, 1023-1030.	4.2	28

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91	FTIR TENTATIVE CHARACTERIZATION OF HUMIC ACIDS EXTRACTED FROM ORGANIC MATERIALS. Spectroscopy Letters, 2001, 34, 179-190.	0.5	27
92	Determination of iprodione in agrochemicals by infrared and Raman spectrometry. Analytical and Bioanalytical Chemistry, 2007, 387, 2887-2894.	1.9	27
93	Recent advances in on-line liquid chromatography - infrared spectrometry (LC-IR). TrAC - Trends in Analytical Chemistry, 2010, 29, 544-552.	5.8	27
94	Partial least squares X-ray fluorescence determination of trace elements in sediments from the estuary of Nerbioi-Ibaizabal River. Talanta, 2010, 82, 1254-1260.	2.9	27
95	Determination of the Mineral Composition of Foods by Infrared Spectroscopy: A Review of a Green Alternative. Critical Reviews in Analytical Chemistry, 2014, 44, 186-197.	1.8	27
96	Prediction of organic carbon and total nitrogen contents in organic wastes and their composts by Infrared spectroscopy and partial least square regression. Talanta, 2017, 167, 352-358.	2.9	27
97	Fourier transform infrared determination of imidacloprid in pesticide formulations. Journal of the Brazilian Chemical Society, 2004, 15, 307-312.	0.6	26
98	Attenuated Total Reflection-Fourier transform infrared analysis of the fermentation process of pineapple. Analytica Chimica Acta, 2005, 545, 99-106.	2.6	26
99	New background correction approach based on polynomial regressions for on-line liquid chromatographyâ€“Fourier transform infrared spectrometry. Journal of Chromatography A, 2009, 1216, 3122-3130.	1.8	26
100	A green method for the determination of cocaine in illicit samples. Forensic Science International, 2014, 237, 70-77.	1.3	26
101	Fourier transform infrared spectrometric determination of Malathion in pesticide formulations. Analytica Chimica Acta, 2004, 502, 213-220.	2.6	25
102	Determination of cyromazine in pesticide commercial formulations by vibrational spectrometric procedures. Analytica Chimica Acta, 2004, 524, 257-264.	2.6	25
103	Univariate method for background correction in liquid chromatographyâ€“Fourier transform infrared spectrometry. Journal of Chromatography A, 2008, 1190, 102-109.	1.8	25
104	Determination of vinegar acidity by attenuated total reflectance infrared measurements through the use of second-order absorbance-pH matrices and parallel factor analysis. Talanta, 2008, 74, 632-641.	2.9	25
105	Essential oil counterfeit identification through middle infrared spectroscopy. Microchemical Journal, 2018, 139, 347-356.	2.3	25
106	Vapour generation Fourier transform infrared spectrometry. A new analytical technique. Analytica Chimica Acta, 1995, 308, 28-35.	2.6	24
107	Recent developments in flow-analysis vibrational spectroscopy. TrAC - Trends in Analytical Chemistry, 2007, 26, 775-787.	5.8	24
108	Direct vapor generation Fourier transform infrared spectrometric determination of ethanol in blood. Analytica Chimica Acta, 1996, 336, 123-129.	2.6	23

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109	Near infrared determination of Diuron in pesticide formulations. <i>Analytica Chimica Acta</i> , 2005, 543, 124-129.	2.6	23
110	Analysis of ecstasy in oral fluid by ion mobility spectrometry and infrared spectroscopy after liquid-liquid extraction. <i>Journal of Chromatography A</i> , 2015, 1384, 1-8.	1.8	23
111	Derivative Fourier transform infrared spectrometric determination of ethanol in beers. <i>Analyst, The</i> , 1994, 119, 1773.	1.7	22
112	Fourier transform infrared spectrometric determination of Ziram. <i>Talanta</i> , 2001, 54, 1087-1094.	2.9	22
113	Multicommutation Fourier transform infrared determination of benzene in gasoline. <i>Analytica Chimica Acta</i> , 2004, 512, 215-221.	2.6	22
114	Burned bones forensic investigations employing near infrared spectroscopy. <i>Vibrational Spectroscopy</i> , 2017, 90, 21-30.	1.2	22
115	Microwave-assisted vapour-generation Fourier transform infrared spectrometric determination of carbonate in waters. <i>Analytica Chimica Acta</i> , 1998, 358, 235-243.	2.6	21
116	Determination of carbonates in waters by on-line vapor generation FTIR. <i>Vibrational Spectroscopy</i> , 1998, 16, 61-67.	1.2	21
117	Modelling of the ternary system H ₃ PO ₄ /H ₂ O/TBP. <i>Fluid Phase Equilibria</i> , 2002, 201, 259-267.	1.4	21
118	Mid- and near-infrared determination of metribuzin in agrochemicals. <i>Vibrational Spectroscopy</i> , 2008, 46, 82-88.	1.2	21
119	Headspace-Liquid Phase Microextraction for Attenuated Total Reflection Infrared Determination of Volatile Organic Compounds at Trace Levels. <i>Analytical Chemistry</i> , 2010, 82, 3045-3051.	3.2	21
120	Comparison of near and mid infrared spectroscopy as green analytical tools for the determination of total polar materials in fried oils. <i>Microchemical Journal</i> , 2017, 135, 55-59.	2.3	21
121	Fast authentication of tea tree oil through spectroscopy. <i>Talanta</i> , 2018, 189, 404-410.	2.9	21
122	Flow-injection derivative Fourier transform infrared determination of methyl tert-butyl ether in gasolines. <i>Analytica Chimica Acta</i> , 1993, 282, 543-550.	2.6	20
123	Vapour phase Fourier transform infrared spectrometric determination of carbonate in sediments. <i>Analyst, The</i> , 1998, 123, 1817-1821.	1.7	20
124	Flow injection Fourier transform infrared determination of nicotine in tobacco. <i>Analyst, The</i> , 1999, 124, 783-786.	1.7	20
125	Multicommutation-NIR determination of Hexythiazox in pesticide formulations. <i>Talanta</i> , 2006, 68, 1700-1706.	2.9	20
126	On-line gradient liquid chromatography-FTIR Fourier transform infrared spectrometry determination of sugars in beverages using chemometric background correction. <i>Talanta</i> , 2008, 77, 779-785.	2.9	20

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127	Quality control Fourier transform infrared determination of diazepam in pharmaceuticals. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007, 43, 1277-1282.	1.4	19
128	Sample classification for improved performance of PLS models applied to the quality control of deep-frying oils of different botanic origins analyzed using ATR-FTIR spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 1305-1314.	1.9	19
129	Novel approach for the determination of azithromycin in pharmaceutical formulations by Fourier transform infrared spectroscopy in film-through transmission mode. <i>Microchemical Journal</i> , 2013, 110, 301-307.	2.3	19
130	The social responsibility of environmental analysis. <i>Trends in Environmental Analytical Chemistry</i> , 2014, 3-4, 7-13.	5.3	19
131	Assessment of the statistical significance of classifications in infrared spectroscopy based diagnostic models. <i>Analyst, The</i> , 2015, 140, 2422-2427.	1.7	19
132	Green Analytical Chemistry. <i>Comprehensive Analytical Chemistry</i> , 2017, 76, 1-25.	0.7	19
133	Non-destructive and clean prediction of aviation fuel characteristics through Fourier transform-Raman spectroscopy and multivariate calibration. <i>Analytica Chimica Acta</i> , 2003, 482, 115-128.	2.6	18
134	Estuarine sediment quality assessment by Fourier-transform infrared spectroscopy. <i>Vibrational Spectroscopy</i> , 2010, 53, 204-213.	1.2	18
135	Chemometric determination of lipidic parameters in serum using ATR measurements of dry films of solvent extracts. <i>Analyst, The</i> , 2014, 139, 170-178.	1.7	18
136	Authentication of protected designation of origin artichokes by spectroscopy methods. <i>Food Control</i> , 2016, 59, 74-81.	2.8	18
137	Flow injection-FTIR Fourier transform infrared spectrometric determination of oil and greases: preliminary microwave-assisted extraction studies. <i>Analyst, The</i> , 1996, 121, 1031-1036.	1.7	17
138	FTIR Approaches for Diuron Determination in Commercial Pesticide Formulations. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 5842-5847.	2.4	17
139	FTIR-determination of sterols from the red alga <i>Asparagopsis armata</i> : Comparative studies with HPLC. <i>Talanta</i> , 2006, 68, 1230-1235.	2.9	17
140	Quality control of Metamitron in agrochemicals using Fourier transform infrared spectroscopy in the middle and near range. <i>Analytica Chimica Acta</i> , 2006, 565, 255-260.	2.6	17
141	Determination of critical eluent composition for polyethylenglycols using on-line liquid chromatography-FTIR Fourier transform infrared spectrometry. <i>Analytica Chimica Acta</i> , 2008, 624, 278-285.	2.6	17
142	Identification and determination of synthetic cannabinoids in herbal products by dry film attenuated total reflectance-infrared spectroscopy. <i>Talanta</i> , 2017, 167, 344-351.	2.9	17
143	Smart materials for sample preparation in bioanalysis: A green overview. <i>Sustainable Chemistry and Pharmacy</i> , 2021, 21, 100411.	1.6	17
144	Direct ATR-FTIR determination of sucrose in beet root. <i>Talanta</i> , 2000, 51, 247-255.	2.9	16

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145	Comparison of two vibrational procedures for the direct determination of mancozeb in agrochemicals. <i>Talanta</i> , 2007, 72, 72-79.	2.9	16
146	Direct determination of polymerized triglycerides in deep-frying olive oil by attenuated total reflectanceâ€”Fourier transform infrared spectroscopy using partial least squares regression. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 861-869.	1.9	16
147	Mathematical models for the Fourier transform infrared spectroscopic determination of ortho-, meta- and para-xylene in xylol. <i>Analyst, The</i> , 1991, 116, 1159.	1.7	15
148	Flow Injection/Atomic Absorption Spectrometric Determination of Zineb in Commercial Formulations of Pesticide Based on Slurry Sampling.. <i>Analytical Sciences</i> , 2002, 18, 1253-1256.	0.8	15
149	Flow-Injection Solid Phase Partial Least-Squares Spectrophotometric Simultaneous Determination of Iron, Nickel and Zinc. <i>Journal of the Brazilian Chemical Society</i> , 2002, 13, 54-59.	0.6	15
150	Fourier transform infrared determination of Fluometuron in pesticide formulations. <i>Vibrational Spectroscopy</i> , 2003, 31, 63-69.	1.2	15
151	Univariate near infrared methods for determination of pesticides in agrochemicals. <i>Analytica Chimica Acta</i> , 2006, 579, 17-24.	2.6	15
152	Application of point-to-point matching algorithms for background correction in on-line liquid chromatographyâ€”Fourier transform infrared spectrometry (LCâ€”FTIR). <i>Talanta</i> , 2010, 80, 1771-1776.	2.9	15
153	Determination of sugars in depilatory formulations: A green analytical method employing infrared detection and partial least squares regression. <i>Talanta</i> , 2011, 85, 1721-1729.	2.9	15
154	Determination at low ppm levels of dithiocarbamate residues in foodstuff by vapour phase-liquid phase microextraction-infrared spectroscopy. <i>Analytica Chimica Acta</i> , 2011, 688, 191-196.	2.6	15
155	Monitoring of Polymerized Triglycerides in Deep-Frying Oil by On-Line GPC-FTIR Spectrometry Using the Science Based Calibration Multivariate Approach. <i>Chromatographia</i> , 2010, 71, 201-209.	0.7	14
156	Determination of biochemical parameters in human serum by near-infrared spectroscopy. <i>Analytical Methods</i> , 2014, 6, 3982.	1.3	14
157	Near Infrared Spectroscopy Detection and Quantification of Herbal Medicines Adulterated with Sibutramine. <i>Journal of Forensic Sciences</i> , 2015, 60, 1199-1205.	0.9	14
158	Fourier transform infrared analysis of paint solvents. <i>Analytica Chimica Acta</i> , 1991, 242, 123-129.	2.6	13
159	Liquidâ€”liquid equilibria in the system H ₃ PO ₄ â€”KClâ€”H ₂ Oâ€”tri-n-butyl phosphate: experiments and modelling. <i>Fluid Phase Equilibria</i> , 2004, 224, 39-46.	1.4	13
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