Salvador Garrigues

List of Publications by Year
in descending order

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226	7,253	81900	98798
papers	citations	39 h-index	67 g-index

290	290	290	6509
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Green Analytical Chemistry. TrAC - Trends in Analytical Chemistry, 2008, 27, 497-511.	11.4	789
2	The role of green extraction techniques in Green Analytical Chemistry. TrAC - Trends in Analytical Chemistry, 2015, 71, 2-8.	11.4	255
3	Vibrational spectroscopy provides a green tool for multi-component analysis. TrAC - Trends in Analytical Chemistry, 2010, 29, 578-591.	11.4	221
4	Green extraction techniques in green analytical chemistry. TrAC - Trends in Analytical Chemistry, 2019, 116, 248-253.	11.4	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.	5.4	163
6	Determination of edible oil parameters by near infrared spectrometry. Analytica Chimica Acta, 2007, 596, 330-337.	5.4	149
7	Selection of calibration set samples in determination of olive oil acidity by partial least squaresâ€“attenuated total reflectanceâ€“Fourier transform infrared spectroscopy. Analytica Chimica Acta, 2003, 489, 59-75.	5.4	91
8	Nutritional parameters of commercially available milk samples by FTIR and chemometric techniques. Analytica Chimica Acta, 2004, 513, 401-412.	5.4	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.	10.0	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.	5.4	76
11	Evaluation of nutritional parameters in infant formulas and powdered milk by Raman spectroscopy. Analytica Chimica Acta, 2007, 593, 30-38.	5.4	73
12	Direct determination of ethanol in all types of alcoholic beverages by near-infrared derivative spectrometry. Analyst, The, 1993, 118, 1167.	3.5	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.	3.7	64
14	The Use of Near-Infrared Spectrometry in the Olive Oil Industry. Critical Reviews in Food Science and Nutrition, 2010, 50, 567-582.	10.3	63
15	Solid-phase FT-Raman determination of caffeine in energy drinks. Analytica Chimica Acta, 2005, 547, 197-203.	5.4	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.	5.4	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.	12.4	59
18	Green strategies for decontamination of analytical wastes. TrAC - Trends in Analytical Chemistry, 2010, 29, 592-601.	11.4	59

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19	Preliminary studies about thermal degradation of edible oils through attenuated total reflectance mid-infrared spectrometry. Food Chemistry, 2009, 114, 1529-1536.	8.2	56
20	PLS-UV spectrophotometric method for the simultaneous determination of paracetamol, acetylsalicylic acid and caffeine in pharmaceutical formulations. Fresenius' Journal of Analytical Chemistry, 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. Analytica Chimica Acta, 2008, 613, 196-206.	5.4	54
22	Direct determination of ethanol and methanol in liquid samples by means of vapor phase-Fourier transform infrared spectroscopy. Vibrational Spectroscopy, 1997, 15, 219-228.	2.2	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. Analytical and Bioanalytical Chemistry, 2005, 382, 1549-1561.	3.7	53
24	Sweeteners determination in table top formulations using FT-Raman spectrometry and chemometric analysis. Analytica Chimica Acta, 2004, 521, 149-155.	5.4	51
25	Mid-infrared and Raman spectrometry for quality control of pesticide formulations. TrAC - Trends in Analytical Chemistry, 2005, 24, 772-781.	11.4	51
26	Nondestructive Direct Determination of Heroin in Seized Illicit Street Drugs by Diffuse Reflectance near-Infrared Spectroscopy. Analytical Chemistry, 2008, 80, 7257-7265.	6.5	51
27	Flow Injection Fourier Transform Infrared Determination of Caffeine in Soft Drinks. Analytical Chemistry, 1997, 69, 1086-1091.	6.5	50
28	Protein determination in serum and whole blood by attenuated total reflectance infrared spectroscopy. Analytical and Bioanalytical Chemistry, 2012, 404, 649-656.	3.7	50
29	Determination of the energetic value of fruit and milk-based beverages through partial-least-squares attenuated total reflectance-Fourier transform infrared spectrometry. Analytica Chimica Acta, 2005, 538, 181-193.	5.4	49
30	Evaluation of the application of attenuated total reflectanceâ€“Fourier transform infrared spectrometry (ATRâ€“FTIR) and chemometrics to the determination of nutritional parameters of yogurt samples. Analytical and Bioanalytical Chemistry, 2006, 385, 708-715.	3.7	49
31	FIAâ€”FTâ€”IR determination of ibuprofen in pharmaceuticals. Talanta, 1993, 40, 89-93.	5.5	48
32	Near-infrared diffuse reflectance spectroscopy and neural networks for measuring nutritional parameters in chocolate samples. Analytica Chimica Acta, 2007, 584, 215-222.	5.4	48
33	Infrared-based quantification of clinical parameters. TrAC - Trends in Analytical Chemistry, 2014, 62, 93-105.	11.4	48
34	FTIR Determination of Aspartame and Acesulfame-K in Tabletop Sweeteners. Journal of Agricultural and Food Chemistry, 2004, 52, 7798-7803.	5.2	46
35	Artificial neural network for quantitative determination of total protein in yogurt by infrared spectrometry. Microchemical Journal, 2009, 91, 47-52.	4.5	46
36	Determination of quality parameters of beers by the use of attenuated total reflectance-Fourier transform infrared spectroscopy. Talanta, 2006, 69, 469-480.	5.5	44

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37	Towards the determination of isoprene in human breath using substrate-integrated hollow waveguide mid-infrared sensors. Journal of Breath Research, 2014, 8, 026003.	3.0	43
38	Vapour generationâ€“Fourier transform infrared direct determination of ethanol in alcoholic beverages. Analyst, The, 1996, 121, 923-928.	3.5	41
39	Derivative Fourier transform infrared spectrometric determination of ethanol in alcoholic beverages. Analytica Chimica Acta, 1994, 287, 275-283.	5.4	40
40	Flow injection-FTIR determination of dithiocarbamate pesticides. Analyst, The, 2000, 125, 1829-1833.	3.5	40
41	A validated and fast procedure for FTIR determination of Cypermethrin and Chlorpyrifos. Talanta, 2005, 67, 634-639.	5.5	39
42	Testing of the Region of Murcia soils by near infrared diffuse reflectance spectroscopy and chemometrics. Talanta, 2009, 78, 388-398.	5.5	39
43	Solid phase preconcentration-Fourier transform infrared spectrometric determination of carbaryl and 1-naphthol. Analytica Chimica Acta, 1995, 314, 203-212.	5.4	38
44	Flow injectionâ€“Fourier transform infrared spectrometric determination of paracetamol in pharmaceuticals. Analyst, The, 1996, 121, 635-639.	3.5	38
45	Clean Method for the Simultaneous Determination of Propyphenazone and Caffeine in Pharmaceuticals by Flow Injection Fourier Transform Infrared Spectrometry. Analyst, The, 1997, 122, 441-446.	3.5	38
46	Non-invasive analysis of solid samples. TrAC - Trends in Analytical Chemistry, 2013, 43, 161-173.	11.4	38
47	Determination of total phenolic compounds in compost by infrared spectroscopy. Talanta, 2016, 153, 360-365.	5.5	38
48	Multivariate calibrations in Fourier transform infrared spectrometry for prediction of kerosene properties. Analytica Chimica Acta, 1995, 317, 95-105.	5.4	37
49	Headspaceâ€“mass spectrometry determination of benzene, toluene and the mixture of ethylbenzene and xylene isomers in soil samples using chemometrics. Analytica Chimica Acta, 2007, 587, 89-96.	5.4	37
50	Determination of total sterols in brown algae by Fourier transform infrared spectroscopy. Analytica Chimica Acta, 2008, 616, 185-189.	5.4	37
51	Detection and characterization of emerging psychoactive substances by ion mobility spectrometry. Drug Testing and Analysis, 2015, 7, 280-289.	2.6	37
52	Determination of fatty acids and lipid classes in salmon oil by near infrared spectroscopy. Food Chemistry, 2018, 239, 865-871.	8.2	37
53	Flow-injection Fourier transform infrared spectrometric analysis. Analytica Chimica Acta, 1992, 261, 53-57.	5.4	36
54	On-line gel permeation chromatographyâ€“attenuated total reflectanceâ€“Fourier transform infrared determination of lecithin and soybean oil in dietary supplements. Journal of Chromatography A, 2008, 1185, 71-77.	3.7	35

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55	Classification of persimmon fruit origin by near infrared spectrometry and least squares-support vector machines. Journal of Food Engineering, 2014, 142, 17-22.	5.2	35
56	Simple partial least squaresâ€“attenuated total reflectance Fourier transform infrared spectrometric method for the determination of sugars in fruit juices and soft drinks using aqueous standards. Analyst, The, 1998, 123, 277-281.	3.5	34
57	Simultaneous determination of Folpet and Metalaxyl in pesticide formulations by flow injection Fourier transform infrared spectrometry. Analytica Chimica Acta, 2003, 480, 11-21.	5.4	34
58	Evaluation of infrared spectroscopy as a screening tool for serum analysis. Microchemical Journal, 2013, 106, 202-211.	4.5	34
59	Simultaneous determination of ortho-, meta- and para-xylene by flow injection-Fourier transform infrared spectroscopy. Analyst, The, 1992, 117, 1849.	3.5	33
60	Direct determination of polymerised triacylglycerides in deep-frying vegetable oil by near infrared spectroscopy using Partial Least Squares regression. Food Chemistry, 2012, 131, 353-359.	8.2	33
61	Portability in analytical chemistry: a green and democratic way for sustainability. Current Opinion in Green and Sustainable Chemistry, 2019, 19, 94-98.	5.9	33
62	Direct determination of benzene in gasoline by flow-injection Fourier transform infrared spectrometry. Analytica Chimica Acta, 1993, 274, 267-274.	5.4	32
63	Simultaneous determination of acetylsalicylic acid and caffeine in pharmaceuticals by flow injection with fourier transform infrared detection. Talanta, 1993, 40, 1799-1807.	5.5	32
64	Simultaneous flow analysis Fourier transform infrared determination of benzene, toluene, and methyl t-butyl ether in petrol. Analyst, The, 1994, 119, 653.	3.5	32
65	On-line preconcentration and flow analysisâ€“Fourier transform infrared determination of carbaryl. Analyst, The, 1994, 119, 659-664.	3.5	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. Analytica Chimica Acta, 1998, 361, 253-260.	5.4	32
67	Fourier-transform infrared determination of nicotine in tobacco samples by transmittance measurements after leaching with CHCl3. Analytica Chimica Acta, 1998, 373, 63-71.	5.4	32
68	Determination of sulfide in waters by flow-injection solid phase spectrophotometry. Analyst, The, 2000, 125, 1835-1838.	3.5	32
69	Stopped-flow near-infrared spectrometric determination of ethanol and maltose in beers. Analytica Chimica Acta, 1994, 296, 155-161.	5.4	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. Analyst, The, 1996, 121, 1935.	3.5	31
71	Vapour generation-Fourier transform infrared spectrometric determination of benzene, toluene and methyl tert.-butyl ether in gasolines. Analytica Chimica Acta, 1996, 333, 157-165.	5.4	31
72	Direct determination of Mancozeb by photoacoustic spectrometry. Analytica Chimica Acta, 2006, 567, 255-261.	5.4	31

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73	Partial least squares-near infrared determination of pesticides in commercial formulations. Vibrational Spectroscopy, 2007, 44, 273-278.	2.2	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. Analytica Chimica Acta, 2008, 630, 150-160.	5.4	31
75	Determination of lecithin and soybean oil in dietary supplements using partial least squaresâ€“Fourier transform infrared spectroscopy. Talanta, 2008, 77, 229-234.	5.5	31
76	Flow-injection determination of water in organic solvents by near-infrared spectrometry. Analytica Chimica Acta, 1993, 281, 259-264.	5.4	30
77	Determination of carbaryl in pesticide formulations by Fourier transform infrared spectrometry with flow analysis. Analyst, The, 1993, 118, 1043-1048.	3.5	30
78	Fourier transform infrared determination of caffeine in roasted coffee samples. Fresenius' Journal of Analytical Chemistry, 2000, 366, 319-322.	1.5	30
79	FTâ€“Raman spectrometry determination of Malathion in pesticide formulations. Talanta, 2004, 63, 345-350.	5.5	30
80	Validated, non-destructive and environmentally friendly determination of cocaine in euro bank notes. Journal of Chromatography A, 2005, 1065, 321-325.	3.7	30
81	Modified locally weightedâ€”Partial least squares regression improving clinical predictions from infrared spectra of human serum samples. Talanta, 2013, 107, 368-375.	5.5	30
82	Evaluation of extraction alternatives for Fourier transform infrared spectrometric determination of oil and greases in water. Analytica Chimica Acta, 1997, 345, 161-171.	5.4	29
83	Fourier transform infrared spectrometric strategies for the determination of Buprofezin in pesticide formulations. Analytica Chimica Acta, 2002, 468, 81-90.	5.4	29
84	Seafood freshness determination through vapour phase Fourier transform infrared spectroscopy. Analytica Chimica Acta, 2006, 580, 216-222.	5.4	29
85	Characterization of estuarine sediments by near infrared diffuse reflectance spectroscopy. Analytica Chimica Acta, 2008, 624, 113-127.	5.4	29
86	Flow injection Fourier transform infrared determination of caffeine in coffee. Vibrational Spectroscopy, 1999, 21, 143-150.	2.2	28
87	Retention of carbaryl by polyether type polyurethane foam: a critical study. Analyst, The, 2000, 125, 257-261.	3.5	28
88	Determination of caffeine in tea samples by Fourier transform infrared spectrometry. Analytical and Bioanalytical Chemistry, 2002, 374, 561-565.	3.7	28
89	The ways to the trace level analysis in infrared spectroscopy. Analytical Methods, 2011, 3, 43-52.	2.7	28
90	Green direct determination of mineral elements in artichokes by infrared spectroscopy and X-ray fluorescence. Food Chemistry, 2016, 196, 1023-1030.	8.2	28

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91	FTIR TENTATIVE CHARACTERIZATION OF HUMIC ACIDS EXTRACTED FROM ORGANIC MATERIALS. Spectroscopy Letters, 2001, 34, 179-190.	1.0	27
92	Determination of iprodione in agrochemicals by infrared and Raman spectrometry. Analytical and Bioanalytical Chemistry, 2007, 387, 2887-2894.	3.7	27
93	Recent advances in on-line liquid chromatography - infrared spectrometry (LC-IR). TrAC - Trends in Analytical Chemistry, 2010, 29, 544-552.	11.4	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.	5.5	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.	3.5	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.	5.5	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.	5.4	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.	3.7	26
100	A green method for the determination of cocaine in illicit samples. Forensic Science International, 2014, 237, 70-77.	2.2	26
101	Fourier transform infrared spectrometric determination of Malathion in pesticide formulations. Analytica Chimica Acta, 2004, 502, 213-220.	5.4	25
102	Determination of cyromazine in pesticide commercial formulations by vibrational spectrometric procedures. Analytica Chimica Acta, 2004, 524, 257-264.	5.4	25
103	Univariate method for background correction in liquid chromatographyâ€“Fourier transform infrared spectrometry. Journal of Chromatography A, 2008, 1190, 102-109.	3.7	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.	5.5	25
105	Essential oil counterfeit identification through middle infrared spectroscopy. Microchemical Journal, 2018, 139, 347-356.	4.5	25
106	Vapour generation Fourier transform infrared spectrometry. A new analytical technique. Analytica Chimica Acta, 1995, 308, 28-35.	5.4	24
107	Recent developments in flow-analysis vibrational spectroscopy. TrAC - Trends in Analytical Chemistry, 2007, 26, 775-787.	11.4	24
108	Direct vapor generation Fourier transform infrared spectrometric determination of ethanol in blood. Analytica Chimica Acta, 1996, 336, 123-129.	5.4	23

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109	Near infrared determination of Diuron in pesticide formulations. Analytica Chimica Acta, 2005, 543, 124-129.	5.4	23
110	Analysis of ecstasy in oral fluid by ion mobility spectrometry and infrared spectroscopy after liquidâ€“liquid extraction. Journal of Chromatography A, 2015, 1384, 1-8.	3.7	23
111	Derivative Fourier transform infrared spectrometric determination of ethanol in beers. Analyst, The, 1994, 119, 1773.	3.5	22
112	Fourier transform infrared spectrometric determination of Ziram. Talanta, 2001, 54, 1087-1094.	5.5	22
113	Multicommutation Fourier transform infrared determination of benzene in gasoline. Analytica Chimica Acta, 2004, 512, 215-221.	5.4	22
114	Burned bones forensic investigations employing near infrared spectroscopy. Vibrational Spectroscopy, 2017, 90, 21-30.	2.2	22
115	Microwave-assisted vapour-generation Fourier transform infrared spectrometric determination of carbonate in waters. Analytica Chimica Acta, 1998, 358, 235-243.	5.4	21
116	Determination of carbonates in waters by on-line vapor generation FTIR. Vibrational Spectroscopy, 1998, 16, 61-67.	2.2	21
117	Modelling of the ternary system H3PO4/H2O/TBP. Fluid Phase Equilibria, 2002, 201, 259-267.	2.5	21
118	Mid- and near-infrared determination of metribuzin in agrochemicals. Vibrational Spectroscopy, 2008, 46, 82-88.	2.2	21
119	Headspace-Liquid Phase Microextraction for Attenuated Total Reflection Infrared Determination of Volatile Organic Compounds at Trace Levels. Analytical Chemistry, 2010, 82, 3045-3051.	6.5	21
120	Comparison of near and mid infrared spectroscopy as green analytical tools for the determination of total polar materials in fried oils. Microchemical Journal, 2017, 135, 55-59.	4.5	21
121	Fast authentication of tea tree oil through spectroscopy. Talanta, 2018, 189, 404-410.	5.5	21
122	Flow-injection derivative Fourier transform infrared determination of methyl tert-butyl ether in gasolines. Analytica Chimica Acta, 1993, 282, 543-550.	5.4	20
123	Vapour phase Fourier transform infrared spectrometric determination of carbonate in sediments. Analyst, The, 1998, 123, 1817-1821.	3.5	20
124	Flow injection Fourier transform infrared determination of nicotine in tobacco. Analyst, The, 1999, 124, 783-786.	3.5	20
125	Multicommutation-NIR determination of Hexythiazox in pesticide formulations. Talanta, 2006, 68, 1700-1706.	5.5	20
126	On-line gradient liquid chromatographyâ€“Fourier transform infrared spectrometry determination of sugars in beverages using chemometric background correction. Talanta, 2008, 77, 779-785.	5.5	20

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127	Quality control Fourier transform infrared determination of diazepam in pharmaceuticals. Journal of Pharmaceutical and Biomedical Analysis, 2007, 43, 1277-1282.	2.8	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. Analytical and Bioanalytical Chemistry, 2011, 399, 1305-1314.	3.7	19
129	Novel approach for the determination of azithromycin in pharmaceutical formulations by Fourier transform infrared spectroscopy in film-through transmission mode. Microchemical Journal, 2013, 110, 301-307.	4.5	19
130	The social responsibility of environmental analysis. Trends in Environmental Analytical Chemistry, 2014, 3-4, 7-13.	10.3	19
131	Assessment of the statistical significance of classifications in infrared spectroscopy based diagnostic models. Analyst, The, 2015, 140, 2422-2427.	3.5	19
132	Green Analytical Chemistry. Comprehensive Analytical Chemistry, 2017, 76, 1-25.	1.3	19
133	Non-destructive and clean prediction of aviation fuel characteristics through Fourier transform-Raman spectroscopy and multivariate calibration. Analytica Chimica Acta, 2003, 482, 115-128.	5.4	18
134	Estuarine sediment quality assessment by Fourier-transform infrared spectroscopy. Vibrational Spectroscopy, 2010, 53, 204-213.	2.2	18
135	Chemometric determination of lipidic parameters in serum using ATR measurements of dry films of solvent extracts. Analyst, The, 2014, 139, 170-178.	3.5	18
136	Authentication of protected designation of origin artichokes by spectroscopy methods. Food Control, 2016, 59, 74-81.	5.5	18
137	Flow injectionâ€“Fourier transform infrared spectrometric determination of oil and greases: preliminary microwave-assisted extraction studies. Analyst, The, 1996, 121, 1031-1036.	3.5	17
138	FTIR Approaches for Diuron Determination in Commercial Pesticide Formulations. Journal of Agricultural and Food Chemistry, 2005, 53, 5842-5847.	5.2	17
139	FTIR-determination of sterols from the red alga Asparagopsis armata: Comparative studies with HPLC. Talanta, 2006, 68, 1230-1235.	5.5	17
140	Quality control of Metamitron in agrochemicals using Fourier transform infrared spectroscopy in the middle and near range. Analytica Chimica Acta, 2006, 565, 255-260.	5.4	17
141	Determination of critical eluent composition for polyethylenglycols using on-line liquid chromatographyâ€”Fourier transform infrared spectrometry. Analytica Chimica Acta, 2008, 624, 278-285.	5.4	17
142	Identification and determination of synthetic cannabinoids in herbal products by dry film attenuated total reflectance-infrared spectroscopy. Talanta, 2017, 167, 344-351.	5.5	17
143	Smart materials for sample preparation in bioanalysis: A green overview. Sustainable Chemistry and Pharmacy, 2021, 21, 100411.	3.3	17
144	Direct ATR-FTIR determination of sucrose in beet root. Talanta, 2000, 51, 247-255.	5.5	16

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145	Comparison of two vibrational procedures for the direct determination of mancozeb in agrochemicals. Talanta, 2007, 72, 72-79.	5.5	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. Analytical and Bioanalytical Chemistry, 2010, 397, 861-869.	3.7	16
147	Mathematical models for the Fourier transform infrared spectroscopic determination of ortho-, meta- and para-xylene in xylol. Analyst, The, 1991, 116, 1159.	3.5	15
148	Flow Injection/Atomic Absorption Spectrometric Determination of Zineb in Commercial Formulations of Pesticide Based on Slurry Sampling.. Analytical Sciences, 2002, 18, 1253-1256.	1.6	15
149	Flow-Injection Solid Phase Partial Least-Squares Spectrophotometric Simultaneous Determination of Iron, Nickel and Zinc. Journal of the Brazilian Chemical Society, 2002, 13, 54-59.	0.6	15
150	Fourier transform infrared determination of Fluometuron in pesticide formulations. Vibrational Spectroscopy, 2003, 31, 63-69.	2.2	15
151	Univariate near infrared methods for determination of pesticides in agrochemicals. Analytica Chimica Acta, 2006, 579, 17-24.	5.4	15
152	Application of point-to-point matching algorithms for background correction in on-line liquid chromatographyâ€“Fourier transform infrared spectrometry (LCâ€“FTIR). Talanta, 2010, 80, 1771-1776.	5.5	15
153	Determination of sugars in depilatory formulations: A green analytical method employing infrared detection and partial least squares regression. Talanta, 2011, 85, 1721-1729.	5.5	15
154	Determination at low ppm levels of dithiocarbamate residues in foodstuff by vapour phase-liquid phase microextraction-infrared spectroscopy. Analytica Chimica Acta, 2011, 688, 191-196.	5.4	15
155	Monitoring of Polymerized Triglycerides in Deep-Frying Oil by On-Line GPC-FTIR Spectrometry Using the Science Based Calibration Multivariate Approach. Chromatographia, 2010, 71, 201-209.	1.3	14
156	Determination of biochemical parameters in human serum by near-infrared spectroscopy. Analytical Methods, 2014, 6, 3982.	2.7	14
157	Near Infrared Spectroscopy Detection and Quantification of Herbal Medicines Adulterated with Sibutramine. Journal of Forensic Sciences, 2015, 60, 1199-1205.	1.6	14
158	Fourier transform infrared analysis of paint solvents. Analytica Chimica Acta, 1991, 242, 123-129.	5.4	13
159	Liquidâ€“liquid equilibria in the system H3PO4â€“KClâ€“H2Oâ€“tri-n-butyl phosphate: experiments and modelling. Fluid Phase Equilibria, 2004, 224, 39-46.	2.5	13
160	Multicommutation ATR-FTIR: determination of sodium alpha-olefin sulfonate in detergent formulations. Microchemical Journal, 2004, 78, 47-54.	4.5	13
161	Determination of insolubles in diesel lubricating oil by FIA-visible spectrometry. Talanta, 2004, 64, 1359-1363.	5.5	13
162	Chemometric extraction of analyteâ€specific chromatograms in onâ€line gradient LCâ€infrared spectrometry. Journal of Separation Science, 2009, 32, 4089-4095.	2.5	13

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163	Eucalyptol-based green extraction of brown alga Zonaria tournefortii. Sustainable Chemistry and Pharmacy, 2018, 10, 97-102.	3.3	13
164	Spectrophotometric determination of carbaryl by on-line elution after its preconcentration onto polyurethane foam. Talanta, 2000, 52, 717-725.	5.5	12
165	FT-Raman determination of Mepiquat chloride in agrochemical products. Vibrational Spectroscopy, 2004, 36, 41-46.	2.2	12
166	Automated Fourier Transform near Infrared Determination of Buprofezin in Pesticide Formulations. Journal of Near Infrared Spectroscopy, 2005, 13, 161-168.	1.5	12
167	Determination of glycolic acid in cosmetics by online liquid chromatographyâ€“Fourier transform infrared spectrometry. Analytical and Bioanalytical Chemistry, 2008, 392, 1383-1389.	3.7	12
168	Cubic smoothing splines background correction in on-line liquid chromatographyâ€“Fourier transform infrared spectrometry. Journal of Chromatography A, 2010, 1217, 6733-6741.	3.7	12
169	Direct determination of minerals in human diets by infrared spectroscopy and X-ray fluorescence. Microchemical Journal, 2014, 117, 156-163.	4.5	12
170	Solid sampling Fourier transform infrared determination of Mancozeb in pesticide formulations. Talanta, 2005, 65, 971-979.	5.5	11
171	Screening of humic and fulvic acids in estuarine sediments by near-infrared spectrometry. Analytical and Bioanalytical Chemistry, 2008, 392, 541-549.	3.7	11
172	Atmospheric Compensation in Fourier Transform Infrared (FT-IR) Spectra of Clinical Samples. Applied Spectroscopy, 2013, 67, 1339-1342.	2.2	11
173	Determination of lidocaine in urine at low ppm levels using dispersive microextraction and attenuated total reflectanceâ€“Fourier transform infrared measurements of dry films. Microchemical Journal, 2015, 121, 178-183.	4.5	11
174	Comparative study of reflectance cells for PLS-FTIR determination of sugars in soft drinks. Fresenius' Journal of Analytical Chemistry, 1998, 362, 137-140.	1.5	10
175	Strategies for the rapid characterization of metals and organic pollutants in solid wastes and contaminated soils by using mass spectrometry. TrAC - Trends in Analytical Chemistry, 1998, 17, 263-272.	11.4	10
176	Development of a simple and low cost device for vapour phase Fourier Transform Infrared spectrometry determination of ethanol in mouthwashes. Analytica Chimica Acta, 2006, 569, 238-243.	5.4	10
177	Comparative study of different approaches for the flow injection-fourier transform infrared determination of toluene in gasolines. Talanta, 1994, 41, 739-745.	5.5	9
178	Flow injection near-infrared determination of ethanol in chloroform. Fresenius' Journal of Analytical Chemistry, 1995, 351, 724-728.	1.5	9
179	Liquid chromatography-Fourier transform infrared spectrometric determination of cholesterol in animal greases. Analytica Chimica Acta, 1997, 354, 97-106.	5.4	9
180	Fourier transform infrared determination of CO 2 evolved from carbonate in carbonated apatites. Fresenius' Journal of Analytical Chemistry, 2000, 367, 556-561.	1.5	9

#	Article	IF	Citations
181	On-line sample treatment and FT-IR determination of doxylamine succinate in pharmaceuticals. Talanta, 2006, 70, 1100-1106.	5.5	9
182	On-line vapor-phase generation combined with Fourier transform infrared spectrometry. TrAC - Trends in Analytical Chemistry, 2008, 27, 15-23.	11.4	9
183	Partial least squares attenuated total reflectance IR spectroscopy versus chromatography: the greener method. Bioanalysis, 2012, 4, 1267-1269.	1.5	9
184	Determination of 3,4-methylenedioxypyrovalerone (MDPV) in oral and nasal fluids by ion mobility spectrometry. Analytical and Bioanalytical Chemistry, 2016, 408, 3265-3273.	3.7	9
185	Prediction of alkaline earth elements in bone remains by near infrared spectroscopy. Talanta, 2017, 162, 428-434.	5.5	9
186	Quantification of phenolic acids by partial least squares Fourierâ€transform infrared (PLSâ€FTIR) in extracts of medicinal plants. Phytochemical Analysis, 2021, 32, 206-221.	2.4	9
187	Analytical Research Based on the Use of Low Cost Instrumentation. Pharmaceutical Sciences, 2019, 25, 82-84.	0.2	9
188	Firstâ€Derivative Fourierâ€Transform Infrared Determination of Oxadiazon in Commercial Herbicide Formulations. Spectroscopy Letters, 2008, 41, 1-8.	1.0	8
189	Green Analytical Chemistry. , 2018, , .		8
190	Partial least-squares near-infrared determination of hydrocarbons removed from polluted waters by using tanned solid wastes. Analytical and Bioanalytical Chemistry, 2006, 385, 766-770.	3.7	7
191	An infrared spectroscopic tool for process monitoring: Sugar contents during the production of a depilatory formulation. Talanta, 2012, 99, 660-667.	5.5	7
192	Detection of tetrahydrocannabinol residues on hands by ion-mobility spectrometry (IMS). Correlation of IMS data with saliva analysis. Analytical and Bioanalytical Chemistry, 2015, 407, 5999-6008.	3.7	7
193	Preliminary results on direct quantitative determination of cocaine in impregnated materials by infrared spectroscopy. Microchemical Journal, 2018, 143, 110-117.	4.5	7
194	Date-rape evidence through fast determination of Î³-butyrolactone in adulterated beverages. Talanta, 2021, 232, 122387.	5.5	7
195	Determination of nitrogen in hydrolyzed protein formulations by continuous vapour phase FTIR. Talanta, 2006, 68, 836-841.	5.5	6
196	Optimization of transmission near infrared spectrometry procedures for quality control of pesticide formulations. Analytica Chimica Acta, 2006, 571, 288-297.	5.4	6
197	HPLC determination of oxadiazon in commercial pesticide formulations. Journal of the Brazilian Chemical Society, 2008, 19, 1394-1398.	0.6	6
198	Vibrational Spectroscopy. Comprehensive Analytical Chemistry, 2013, 60, 101-122.	1.3	6

#	Article	IF	Citations
199	Greening the wastes. Current Opinion in Green and Sustainable Chemistry, 2019, 19, 24-29.	5.9	6
200	An innovative multi-analytical approach based on spectroscopic and electrochemical techniques to study a complex Roman amphorae collection. Applied Clay Science, 2020, 198, 105857.	5.2	6
201	Determination of Paint Solvents by Vapour Phase Fourier Transform Infrared Spectrometry.. Spectroscopy Letters, 1997, 30, 1629-1648.	1.0	5
202	Comparison of two partial least squares infrared spectrometric methods for the quality control of pediculosis lotions. Analytica Chimica Acta, 2007, 582, 174-180.	5.4	5
203	Monitoring of the smoking process by multicommutation Fourier Transform Infrared spectroscopy. Analytica Chimica Acta, 2007, 593, 39-45.	5.4	5
204	Quality Control of Agrochemical Formulations by Diffuse Reflectance near Infrared Spectrometry. Journal of Near Infrared Spectroscopy, 2008, 16, 129-137.	1.5	5
205	Science based calibration for the extraction of â€˜analyte-specificâ€™ HPLC-DAD chromatograms in environmental analysis. Talanta, 2011, 83, 1158-1165.	5.5	5
206	Attenuated total reflectance infrared determination of sodium nitrilotriacetate in alkaline liquid detergents. Talanta, 2006, 70, 870-875.	5.5	4
207	Hydrodistillationâ€“liquid-phase microextraction for infrared analysis of food. Analytical and Bioanalytical Chemistry, 2010, 398, 1467-1476.	3.7	4
208	Determination of Olive Oil Parameters by Near Infrared Spectrometry. , 2010, , 533-544.		3
209	Direct determination of major components in human diets and baby foods. Analytical and Bioanalytical Chemistry, 2015, 407, 1961-1972.	3.7	3
210	Smart Sorption Materials in Green Analytical Chemistry. Green Chemistry and Sustainable Technology, 2019, , 167-202.	0.7	3
211	Variable selection for the determination of total polar materials in fried oils by near infrared spectroscopy. Journal of Near Infrared Spectroscopy, 2019, 27, 107-114.	1.5	3
212	An Infrared Method, with Reduced Solvent Consumption, for the Determination of Chlorsulfuron in Pesticide Formulations. Spectroscopy Letters, 2003, 36, 515-529.	1.0	2
213	Quantitative Vibrational Spectrometry in the 21st Century: A Scientometric Evaluation. Spectroscopy Letters, 2005, 38, 665-675.	1.0	2
214	Vibrational Spectrometry Strategies for Quality Control of Procymidone in Pesticide Formulations. Spectroscopy Letters, 2005, 38, 703-720.	1.0	2
215	Towards minimization of chlorinated solvents consume in Fourier transform infrared spectroscopy determination of Propamocarb in pesticide formulations. Talanta, 2008, 75, 339-343.	5.5	2
216	Methods for the Vibrational Spectroscopy Analysis of Beers. , 2009, , 943-961.		2

#	Article	IF	Citations
217	Fourier transform infrared analysis of commercial formulations for Varroa treatment. Analytical Methods, 2017, 9, 6574-6582.	2.7	2
218	Green Analytical Chemistry. , 2021, , 483-493.		2
219	Energy Savings in Analytical Chemistry. , 0, , 289-319.		2
220	Reply to the comments on â€œValidated, non-destructive and environmentally friendly determination of cocaine in euro bank notesâ€•by R. Sleeman, J.F. Carter, K.A. Ebejer. Journal of Chromatography A, 2006, 1108, 287-288.	3.7	1
221	An Ethical Commitment and an Economic Opportunity. RSC Green Chemistry, 2011, , 1-12.	0.1	1
222	CHAPTER 2. Direct Determination Methods Without Sample Preparation. RSC Green Chemistry, 2011, , 13-43.	0.1	1
223	Research on Spectroscopy in Morocco from 1984 to 2006. Spectroscopy Letters, 2007, 40, 681-693.	1.0	0
224	Vibrational Spectrometry. Comprehensive Analytical Chemistry, 2008, 54, 407-440.	1.3	0
225	Direct Analysis of Samples. , 2012, , 85-102.		0
226	Analytical methods for clinical diagnostics. Analytical Methods, 2014, 6, 3889.	2.7	0