

Miguel de la Guardia

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7172557/publications.pdf>

Version: 2024-02-01

172
papers

6,926
citations

53939

47
h-index

93651

72
g-index

238
all docs

238
docs citations

238
times ranked

9923
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous nanocarrier-mediated delivery of siRNAs and chemotherapeutic agents in cancer therapy and diagnosis: Recent advances. <i>European Journal of Pharmacology</i> , 2022, 915, 174639.	1.7	1
2	State-of-the-art cancer biomarker detection by portable (Bio) sensing technology: A critical review. <i>Microchemical Journal</i> , 2022, 177, 107248.	2.3	35
3	State of the art: Lateral flow assays toward the point-of-care foodborne pathogenic bacteria detection in food samples. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2022, 21, 1868-1912.	5.9	60
4	Aptamer-functionalized metal organic frameworks as an emerging nanoprobe in the food safety field: Promising development opportunities and translational challenges. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 152, 116622.	5.8	37
5	Lateral flow assays (LFA) for detection of pathogenic bacteria: A small point-of-care platform for diagnosis of human infectious diseases. <i>Talanta</i> , 2022, 243, 123330.	2.9	54
6	Perspectives and trends in advanced DNA biosensors for the recognition of single nucleotide polymorphisms. <i>Chemical Engineering Journal</i> , 2022, 441, 135988.	6.6	10
7	Strategies in DNA vaccine for melanoma cancer. <i>Pigment Cell and Melanoma Research</i> , 2021, 34, 869-891.	1.5	20
8	Quantification of phenolic acids by partial least squares Fourier transform infrared (PLS-FTIR) in extracts of medicinal plants. <i>Phytochemical Analysis</i> , 2021, 32, 206-221.	1.2	9
9	Carbon based nanomaterials for the detection of narrow therapeutic index pharmaceuticals. <i>Talanta</i> , 2021, 221, 121610.	2.9	15
10	Are deep eutectic solvents useful in chromatography? A short review. <i>Journal of Chromatography A</i> , 2021, 1639, 461918.	1.8	24
11	Nanotechnology, and scaffold implantation for the effective repair of injured organs: An overview on hard tissue engineering. <i>Journal of Controlled Release</i> , 2021, 333, 391-417.	4.8	37
12	Advanced mechanotherapy: Biotensegrity for governing metastatic tumor cell fate via modulating the extracellular matrix. <i>Journal of Controlled Release</i> , 2021, 335, 596-618.	4.8	8
13	Sodium metabisulfite as a cytotoxic food additive induces apoptosis in HFFF2 cells. <i>Food Chemistry</i> , 2021, 358, 129910.	4.2	10
14	Recent advances on portable sensing and biosensing assays applied for detection of main chemical and biological pollutant agents in water samples: A critical review. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 143, 116344.	5.8	69
15	Lateral flow assays (LFA) as an alternative medical diagnosis method for detection of virus species: The intertwine of nanotechnology with sensing strategies. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 145, 116460.	5.8	45
16	Does Delayed Excretion of Therapeutic ¹³¹ I-MIBG Interfere with a ¹²³ I-MIBG Diagnostic Scan 6 Weeks After the Therapy?. <i>Journal of Nuclear Medicine Technology</i> , 2020, 48, 81-84.	0.4	0
17	Sample preparation strategies for the determination of psychoactive substances in biological fluids. <i>Journal of Chromatography A</i> , 2020, 1633, 461615.	1.8	17
18	Recent advances in surface plasmon resonance biosensors for microRNAs detection. <i>Biosensors and Bioelectronics</i> , 2020, 169, 112599.	5.3	74

#	ARTICLE	IF	CITATIONS
19	Cutting-edge progress and challenges in stimuli responsive hydrogel microenvironment for success in tissue engineering today. <i>Journal of Controlled Release</i> , 2020, 328, 514-531.	4.8	45
20	Monitoring of microRNA using molecular beacons approaches: Recent advances. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 131, 116021.	5.8	24
21	Ultrasonic nebulization inductively coupled plasma optical emission spectrometry method for wine analysis. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2020, 170, 105924.	1.5	8
22	Preparation and characterization of novel microstructure cellulosic sawdust material: application as potential adsorbent for wastewater treatment. <i>Cellulose</i> , 2020, 27, 8169-8180.	2.4	16
23	Hydrogel-Based 3D Bioprinting for Bone and Cartilage Tissue Engineering. <i>Biotechnology Journal</i> , 2020, 15, e2000095.	1.8	94
24	Biosensing of microcystins in water samples; recent advances. <i>Biosensors and Bioelectronics</i> , 2020, 165, 112403.	5.3	40
25	Kinetic and thermodynamic insights into interaction of erlotinib with epidermal growth factor receptor: Surface plasmon resonance and molecular docking approaches. <i>International Journal of Biological Macromolecules</i> , 2020, 163, 954-958.	3.6	14
26	Lateral flow assays towards point-of-care cancer detection: A review of current progress and future trends. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 125, 115842.	5.8	138
27	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
28	Nanomaterials and new biorecognition molecules based surface plasmon resonance biosensors for mycotoxin detection. <i>Biosensors and Bioelectronics</i> , 2019, 143, 111603.	5.3	101
29	Recent advances on HIV DNA vaccines development: Stepwise improvements to clinical trials. <i>Journal of Controlled Release</i> , 2019, 316, 116-137.	4.8	23
30	Recent advances on thermosensitive and pH-sensitive liposomes employed in controlled release. <i>Journal of Controlled Release</i> , 2019, 315, 1-22.	4.8	134
31	Application of infrared spectroscopy as Process Analytics Technology (PAT) approach in biodiesel production process utilizing Multivariate Curve Resolution Alternative Least Square (MCR-ALS). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 213, 347-353.	2.0	11
32	Recent advancements in structural improvements of lateral flow assays towards point-of-care testing. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 116, 13-30.	5.8	96
33	A nondestructive intelligent approach to real-time evaluation of chicken meat freshness based on computer vision technique. <i>Journal of Food Process Engineering</i> , 2019, 42, e13039.	1.5	20
34	Recent advances on application of peptide nucleic acids as a bioreceptor in biosensors development. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 114, 56-68.	5.8	92
35	Green extraction techniques in green analytical chemistry. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 116, 248-253.	5.8	167
36	Carbon based nanomaterials for tissue engineering of bone: Building new bone on small black scaffolds: A review. <i>Journal of Advanced Research</i> , 2019, 18, 185-201.	4.4	280

#	ARTICLE	IF	CITATIONS
37	Ethambutol-Loaded Solid Lipid Nanoparticles as Dry Powder Inhalable Formulation for Tuberculosis Therapy. <i>AAPS PharmSciTech</i> , 2019, 20, 120.	1.5	90
38	Analysis of Sagunto Ibero-Roman votive bronze statuettes by portable X-ray fluorescence. <i>Radiation Physics and Chemistry</i> , 2019, 159, 17-24.	1.4	3
39	Origin based classification of crude oils by infrared spectrometry and chemometrics. <i>Fuel</i> , 2019, 236, 1093-1099.	3.4	24
40	Analytical Research Based on the Use of Low Cost Instrumentation. <i>Pharmaceutical Sciences</i> , 2019, 25, 82-84.	0.1	9
41	Preparation of Carbon-14 Labeled 2-(2-mercaptoacetamido)-3-phenylpropanoic Acid as Metallo-beta-lactamases Inhibitor (MBLI), for Coadministration with Beta-lactam Antibiotics. <i>Current Organic Synthesis</i> , 2019, 16, 765-771.	0.7	14
42	Magnetic molecularly imprinted polymers for the selective determination of cocaine by ion mobility spectrometry. <i>Journal of Chromatography A</i> , 2018, 1545, 22-31.	1.8	39
43	Recent advances on nanomaterial based electrochemical and optical aptasensors for detection of cancer biomarkers. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 100, 103-115.	5.8	83
44	Identification and characterization of the new psychoactive substance 3-fluoroethamphetamine in seized material. <i>Forensic Toxicology</i> , 2018, 36, 404-414.	1.4	8
45	Recent advances on aptamer-based biosensors to detection of platelet-derived growth factor. <i>Biosensors and Bioelectronics</i> , 2018, 113, 58-71.	5.3	90
46	Nanomaterials and phase sensitive based signal enhancement in surface plasmon resonance. <i>Biosensors and Bioelectronics</i> , 2018, 110, 118-131.	5.3	68
47	Modulating tumor hypoxia by nanomedicine for effective cancer therapy. <i>Journal of Cellular Physiology</i> , 2018, 233, 2019-2031.	2.0	157
48	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
49	Evaluation of Data Mining Strategies for Classification of Black Tea Based on Image-Based Features. <i>Food Analytical Methods</i> , 2018, 11, 1041-1050.	1.3	32
50	Assessment of air passive sampling uptakes for volatile organic compounds using VERAM devices. <i>Science of the Total Environment</i> , 2018, 619-620, 1014-1021.	3.9	10
51	Recent trends in rapid detection of influenza infections by bio and nanobiosensor. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 98, 201-215.	5.8	60
52	Automobile Emissions Testing. , 2018, , 247-247.		0
53	Liquid Chromatographyâ€”Liquid Chromatographyâ€”Fourier Transform Infrared. , 2018, , 75-75.		2
54	Evaluation of Flavonoid Derivative and Doxorubicin Effects in Lung Cancer Cells (A549) Using Differential Pulse Voltammetry Method. <i>Advanced Pharmaceutical Bulletin</i> , 2018, 8, 637-642.	0.6	12

#	ARTICLE	IF	CITATIONS
55	Airport Security Screening. , 2018, , 61-61.		0
56	Diagnosis of hepatitis via nanomaterial-based electrochemical, optical or piezoelectrical biosensors: a review on recent advancements. Mikrochimica Acta, 2018, 185, 568.	2.5	34
57	Synthesis and optimization of microwave-assisted exfoliated functionalized graphene as an efficient catalyst in biodiesel production. Fullerenes Nanotubes and Carbon Nanostructures, 2018, 26, 729-738.	1.0	7
58	Advances in nanomaterial based optical biosensing and bioimaging of apoptosis via caspase-3 activity: a review. Mikrochimica Acta, 2018, 185, 434.	2.5	57
59	Green Chemistry in Higher Education: State of the Art, Challenges, and Future Trends. ChemSusChem, 2018, 11, 2845-2858.	3.6	49
60	On-Capillary Surface-Enhanced Raman Spectroscopy: Determination of Glutathione in Whole Blood Microsamples. Analytical Chemistry, 2018, 90, 9093-9100.	3.2	40
61	Preliminary results on direct quantitative determination of cocaine in impregnated materials by infrared spectroscopy. Microchemical Journal, 2018, 143, 110-117.	2.3	7
62	Development of immunosorbents for the analysis of forchlorfenuron in fruit juices by ion mobility spectrometry. Analytical and Bioanalytical Chemistry, 2018, 410, 5961-5967.	1.9	14
63	Fast extraction of cannabinoids in marijuana samples by using hard-cap espresso machines. Talanta, 2018, 190, 321-326.	2.9	20
64	Identification and determination of synthetic cannabinoids in herbal products by dry film attenuated total reflectance-infrared spectroscopy. Talanta, 2017, 167, 344-351.	2.9	17
65	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
66	In situ derivatization for double confirmation of 2Câ€“C in oral fluids by ion mobility spectrometry. Analytical Methods, 2017, 9, 2682-2688.	1.3	4
67	Comprehensive analysis of airborne pesticides using hard cap espresso extraction-liquid chromatography-high-resolution mass spectrometry. Journal of Chromatography A, 2017, 1506, 27-36.	1.8	19
68	Hard cap espresso extraction and liquid chromatography determination of bioactive compounds in vegetables and spices. Food Chemistry, 2017, 237, 75-82.	4.2	15
69	Hard cap espresso extraction-stir bar preconcentration of polychlorinated biphenyls in soil and sediments. Analytica Chimica Acta, 2017, 952, 41-49.	2.6	22
70	Anti-bacterial activity of graphene oxide as a new weapon nanomaterial to combat multidrug-resistance bacteria. Materials Science and Engineering C, 2017, 74, 568-581.	3.8	193
71	Recent advances in Nanomaterial-mediated Bio and immune sensors for detection of aflatoxin in food products. TrAC - Trends in Analytical Chemistry, 2017, 87, 112-128.	5.8	95
72	Nano-delivery system targeting to cancer stem cell cluster of differentiation biomarkers. Journal of Controlled Release, 2017, 266, 166-186.	4.8	34

#	ARTICLE	IF	CITATIONS
73	Nanomaterial-based biosensors for detection of pathogenic virus. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 97, 445-457.	5.8	230
74	Fast extraction methodologies for the determination of toxic arsenic in meat. <i>International Journal of Food Science and Technology</i> , 2017, 52, 2531-2537.	1.3	3
75	Targeted cancer therapy through antibody fragments-decorated nanomedicines. <i>Journal of Controlled Release</i> , 2017, 268, 323-334.	4.8	123
76	Dispersive magnetic immunoaffinity extraction. Anatoxin-a determination. <i>Journal of Chromatography A</i> , 2017, 1529, 57-62.	1.8	19
77	Ensuring food safety using aptamer based assays: Electroanalytical approach. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 94, 77-94.	5.8	57
78	Towards an automatic lab-on-valve-ion mobility spectrometric system for detection of cocaine abuse. <i>Journal of Chromatography A</i> , 2017, 1512, 43-50.	1.8	18
79	Prediction of alkaline earth elements in bone remains by near infrared spectroscopy. <i>Talanta</i> , 2017, 162, 428-434.	2.9	9
80	Nano-materials for use in sensing of salmonella infections: Recent advances. <i>Biosensors and Bioelectronics</i> , 2017, 87, 1050-1064.	5.3	84
81	Biodegradable nano-polymers as delivery vehicles for therapeutic small non-coding ribonucleic acids. <i>Journal of Controlled Release</i> , 2017, 245, 116-126.	4.8	69
82	Mineral Profile of Children's Fast Food Menu Samples. <i>Journal of AOAC INTERNATIONAL</i> , 2017, 100, 1879-1884.	0.7	1
83	Comparison of Mineral Contents in Three Different Tobacco Formulations. <i>Biomedical and Environmental Sciences</i> , 2017, 30, 52-58.	0.2	6
84	Food Chemistry: Food Quality and New Analytical Approaches. <i>Journal of Chemistry</i> , 2016, 2016, 1-2.	0.9	1
85	Determination of 3,4-methylenedioxypyrovalerone (MDPV) in oral and nasal fluids by ion mobility spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 3265-3273.	1.9	9
86	Determination of non-steroidal anti-inflammatory drugs in water and urine using selective molecular imprinted polymer extraction and liquid chromatography. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 131, 48-53.	1.4	67
87	Mineral analysis of human diets by spectrometry methods. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 82, 457-467.	5.8	22
88	Use of a versatile, easy, and rapid atmospheric monitor (VERAM) passive samplers for pesticide determination in continental waters. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 8495-8503.	1.9	1
89	Highly selective solid-phase extraction sorbents for chloramphenicol determination in food and urine by ion mobility spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 8559-8567.	1.9	26
90	Hard Cap Espresso Machines in Analytical Chemistry: What Else?. <i>Analytical Chemistry</i> , 2016, 88, 6570-6576.	3.2	27

#	ARTICLE	IF	CITATIONS
91	Aptamers as smart ligands for nano-carriers targeting. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 82, 316-327.	5.8	54
92	Green chromatography for the analysis of foods of animal origin. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 80, 517-530.	5.8	32
93	Non-destructive analytical methods to study the conservation state of Apadana Hall of Persepolis. <i>Science of the Total Environment</i> , 2016, 544, 291-298.	3.9	9
94	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
95	Prediction of banana quality indices from color features using support vector regression. <i>Talanta</i> , 2016, 148, 54-61.	2.9	96
96	Tips on ligand immobilization and kinetic study using surface plasmonresonance. <i>Biolmpacts</i> , 2016, 6, 117-118.	0.7	8
97	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
98	A comparative study on sample preparation procedures for supplementary foods by ICP-OES: Green chemistry considerations. <i>Analytical Methods</i> , 2015, 7, 3637-3644.	1.3	6
99	Off-line coupling of multidimensional immunoaffinity chromatography and ion mobility spectrometry: A promising partnership. <i>Journal of Chromatography A</i> , 2015, 1426, 110-117.	1.8	21
100	Nanomaterial-based cocaine aptasensors. <i>Biosensors and Bioelectronics</i> , 2015, 68, 95-106.	5.3	102
101	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
102	Current air quality analytics and monitoring: A review. <i>Analytica Chimica Acta</i> , 2015, 853, 116-126.	2.6	104
103	Mineral profile of Spanish commercial baby food. <i>Food Chemistry</i> , 2015, 172, 238-244.	4.2	35
104	Mineral profile of kaki fruits (<i>Diospyros kaki</i> L.). <i>Food Chemistry</i> , 2015, 172, 291-297.	4.2	30
105	A green method for the determination of cocaine in illicit samples. <i>Forensic Science International</i> , 2014, 237, 70-77.	1.3	26
106	Air monitoring of selected volatile organic compounds in wineries using passive sampling and headspace-gas chromatography-mass spectrometry. <i>Microchemical Journal</i> , 2014, 114, 42-47.	2.3	10
107	Green aspects, developments and perspectives of liquid phase microextraction techniques. <i>Talanta</i> , 2014, 119, 34-45.	2.9	285
108	Nanomaterial-based electrochemical immunosensors as advanced diagnostic tools. <i>Analytical Methods</i> , 2014, 6, 3891-3900.	1.3	54

#	ARTICLE	IF	CITATIONS
109	Ion mobility spectrometry evaluation of cocaine occupational exposure in forensic laboratories. <i>Talanta</i> , 2014, 130, 251-258.	2.9	16
110	Implementing the contamination prevention programs in the pesticide industry by infrared spectroscopy. <i>Talanta</i> , 2014, 119, 312-319.	2.9	4
111	Determination of total mercury in nuts at ultratrace level. <i>Analytica Chimica Acta</i> , 2014, 838, 13-19.	2.6	16
112	Watercress-based gold nanoparticles: biosynthesis, mechanism of formation and study of their biocompatibility in vitro. <i>Micro and Nano Letters</i> , 2014, 9, 345-350.	0.6	31
113	Infrared biospectroscopy for a fast qualitative evaluation of sample preparation in metabolomics. <i>Talanta</i> , 2014, 127, 181-190.	2.9	9
114	Speciation of methylmercury in market seafood by thermal degradation, amalgamation and atomic absorption spectroscopy. <i>Ecotoxicology and Environmental Safety</i> , 2014, 107, 90-96.	2.9	20
115	A fast and simple spectrofluorometric method for the determination of alendronate sodium in pharmaceuticals. <i>BiolImpacts</i> , 2014, 4, 39-42.	0.7	20
116	The challenges of green nanotechnology. <i>BiolImpacts</i> , 2014, 4, 1-2.	0.7	20
117	Non-invasive analysis of solid samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 43, 161-173.	5.8	38
118	Direct Analysis of Samples. , 2012, , 85-102.		0
119	Application of machine-vision techniques to fish-quality assessment. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 40, 168-179.	5.8	96
120	Green analytical methods. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 625-626.	1.9	14
121	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
122	The ways to the trace level analysis in infrared spectroscopy. <i>Analytical Methods</i> , 2011, 3, 43-52.	1.3	28
123	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
124	Screening of Toxic Inorganic Arsenic Species in Garlic (<i>Allium sativum</i> L.). <i>Food Analytical Methods</i> , 2011, 4, 447-452.	1.3	17
125	Determination of indoor air quality of a phytosanitary plant. <i>Analytica Chimica Acta</i> , 2011, 694, 67-74.	2.6	15
126	Optical and electrochemical DNA nanobiosensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 459-472.	5.8	88

#	ARTICLE	IF	CITATIONS
127	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
128	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
129	Analytical potential of mid-infrared detection in capillary electrophoresis and liquid chromatography: A review. <i>Analytica Chimica Acta</i> , 2010, 679, 31-42.	2.6	39
130	Cubic smoothing splines background correction in on-line liquid chromatographyâ€“Fourier transform infrared spectrometry. <i>Journal of Chromatography A</i> , 2010, 1217, 6733-6741.	1.8	12
131	Estuarine sediment quality assessment by Fourier-transform infrared spectroscopy. <i>Vibrational Spectroscopy</i> , 2010, 53, 204-213.	1.2	18
132	Partial least squares X-ray fluorescence determination of trace elements in sediments from the estuary of Nerbioi-Ibaizabal River. <i>Talanta</i> , 2010, 82, 1254-1260.	2.9	27
133	Authentication of the protected designation of origin horchata de Valencia through the chemometric treatment of mineral content. <i>Analytical Methods</i> , 2010, 2, 1723.	1.3	15
134	Evaluation of the Soil Contamination of Tangier (Morocco) by the Determination of BTEX, PCBs, and PAHs. <i>Soil and Sediment Contamination</i> , 2009, 18, 535-545.	1.1	4
135	Chemometric extraction of analyteâ€“specific chromatograms in onâ€“line gradient LCâ€“infrared spectrometry. <i>Journal of Separation Science</i> , 2009, 32, 4089-4095.	1.3	13
136	Multi-commutation in spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2009, 28, 903-913.	5.8	38
137	New background correction approach based on polynomial regressions for on-line liquid chromatographyâ€“Fourier transform infrared spectrometry. <i>Journal of Chromatography A</i> , 2009, 1216, 3122-3130.	1.8	26
138	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
139	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
140	Use of semipermeable membrane devices for assessment of air quality in Tangier (Morocco). <i>International Journal of Environmental Analytical Chemistry</i> , 2009, 89, 917-928.	1.8	5
141	Characterization of estuarine sediments by near infrared diffuse reflectance spectroscopy. <i>Analytica Chimica Acta</i> , 2008, 624, 113-127.	2.6	29
142	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
143	Screening of humic and fulvic acids in estuarine sediments by near-infrared spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 392, 541-549.	1.9	11
144	On-line vapor-phase generation combined with Fourier transform infrared spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2008, 27, 15-23.	5.8	9

#	ARTICLE	IF	CITATIONS
145	Nondestructive Direct Determination of Heroin in Seized Illicit Street Drugs by Diffuse Reflectance near-Infrared Spectroscopy. <i>Analytical Chemistry</i> , 2008, 80, 7257-7265.	3.2	51
146	First-Order Derivative Fourier Transform Infrared Determination of Oxadiazon in Commercial Herbicide Formulations. <i>Spectroscopy Letters</i> , 2008, 41, 1-8.	0.5	8
147	Scientometric Picture of the Evolution of the Literature of Automation in Spectroscopy and Its Current State. <i>Spectroscopy Letters</i> , 2006, 39, 513-532.	0.5	11
148	Combination of mid- and near-infrared spectroscopy for the determination of the quality properties of beers. <i>Analytica Chimica Acta</i> , 2006, 571, 167-174.	2.6	76
149	A spectrophotometric flow procedure for the determination of cationic surfactants in natural waters using a solenoid micro-pump for fluid propulsion. <i>International Journal of Environmental Analytical Chemistry</i> , 2006, 86, 723-732.	1.8	15
150	Room temperature acid sonication ICP-MS multielemental analysis of milk. <i>Analytica Chimica Acta</i> , 2005, 531, 111-123.	2.6	50
151	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
152	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
153	Sample Preparation Improvement in Polycyclic Aromatic Hydrocarbons Determination in Olive Oils by Gel Permeation Chromatography and Liquid Chromatography with Fluorescence Detection. <i>Journal of AOAC INTERNATIONAL</i> , 2005, 88, 1247-1254.	0.7	13
154	Non-chromatographic speciation of toxic arsenic in fish. <i>Talanta</i> , 2005, 66, 895-901.	2.9	62
155	Vibrational Spectrometry Strategies for Quality Control of Procymidone in Pesticide Formulations. <i>Spectroscopy Letters</i> , 2005, 38, 703-720.	0.5	2
156	Multicommutation ATR-FTIR: determination of sodium alpha-olefin sulfonate in detergent formulations. <i>Microchemical Journal</i> , 2004, 78, 47-54.	2.3	13
157	Nutritional parameters of commercially available milk samples by FTIR and chemometric techniques. <i>Analytica Chimica Acta</i> , 2004, 513, 401-412.	2.6	86
158	Speciation of selenium and tellurium in milk by hydride generation atomic fluorescence spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 696.	1.6	30
159	Determination of As, Sb, Se, Te and Bi in milk by slurry sampling hydride generation atomic fluorescence spectrometry. <i>Talanta</i> , 2004, 62, 173-182.	2.9	50
160	On-line speciation of mercury in fish by cold vapour atomic fluorescence through ultrasound-assisted extraction. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 1386-1390.	1.6	36
161	Selection of calibration set samples in determination of olive oil acidity by partial least squares-attenuated total reflectance-Fourier transform infrared spectroscopy. <i>Analytica Chimica Acta</i> , 2003, 489, 59-75.	2.6	91
162	An Infrared Method, with Reduced Solvent Consumption, for the Determination of Chlorsulfuron in Pesticide Formulations. <i>Spectroscopy Letters</i> , 2003, 36, 515-529.	0.5	2

#	ARTICLE	IF	CITATIONS
163	Improvement of the atomic fluorescence determination of mercury by using multicommutation. Journal of Analytical Atomic Spectrometry, 2002, 17, 537-540.	1.6	14
164	Microwave-assisted distillation of iodine for the indirect atomic absorption spectrometric determination of iodide in milk samples. Journal of Analytical Atomic Spectrometry, 2001, 16, 382-389.	1.6	27
165	Spectrophotometric determination of carbaryl by on-line elution after its preconcentration onto polyurethane foam. Talanta, 2000, 52, 717-725.	2.9	12
166	Flow injection-FTIR determination of dithiocarbamate pesticides. Analyst, The, 2000, 125, 1829-1833.	1.7	40
167	Electrothermal Atomic Absorption Spectrometric Diagnosis of Familial Hypercholesterolemia. Analytical Chemistry, 2000, 72, 2406-2413.	3.2	16
168	Determination of Paint Solvents by Vapour Phase Fourier Transform Infrared Spectrometry.. Spectroscopy Letters, 1997, 30, 1629-1648.	0.5	5
169	Flow Injection Fourier Transform Infrared Determination of Caffeine in Soft Drinks. Analytical Chemistry, 1997, 69, 1086-1091.	3.2	50
170	Metal speciation in biological fluids " a review. Mikrochimica Acta, 1996, 122, 209-246.	2.5	53
171	Spectrophotometric determination of ethiofencarb in waters by reaction with p-aminophenol. Fresenius' Journal of Analytical Chemistry, 1993, 347-347, 52-57.	1.5	4
172	Energy Savings in Analytical Chemistry. , 0, , 289-319.		2