Miguel ValcÃ¡rcel Cases

List of Publications by Year
in descending order

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Version: 2024-02-01

538 papers	18,165 citations	16437 64 h-index	43868 91 g-index
542 all docs	542 docs citations	542 times ranked	12856 citing authors

#	Article	IF	Citations
1	A Systematic Comparative Study of the Toxicity of Semiconductor and Graphitic Carbon-Based Quantum Dots Using In Vitro Cell Models. Applied Sciences (Switzerland), 2020, 10, 8845.	1.3	5
2	Ionic-liquid-based microextraction method for the determination of silver nanoparticles in consumer products. Analytical and Bioanalytical Chemistry, 2019, 411, 5023-5031.	1.9	12
3	Analytical reliability of simple, rapid, minuturizated, direct analytical processes: A call to arms. TrAC - Trends in Analytical Chemistry, 2019, 114, 98-107.	5.8	11
4	Cyclodextrin-modified nanodiamond for the sensitive fluorometric determination of doxorubicin in urine based on its differential affinity towards Î²/Î³-cyclodextrins. Mikrochimica Acta, 2018, 185, 115.	2.5	19
5	Modified nanocellulose as promising material for the extraction of gold nanoparticles. Microchemical Journal, 2018, 138, 379-383.	2.3	16
6	Analytical Nanoscience and Nanotechnology: Where we are and where we are heading. Talanta, 2018, 177, 104-121.	2.9	56
7	Nanothera(g)nosis and Chemistry: A Fruitful Binomial. Journal of Nanomedicine & Nanotechnology, 2018, 09, .	1.1	2
8	Integrated sampling and analysis unit for the determination of sexual pheromones in environmental air using fabric phase sorptive extraction and headspace-gas chromatographyâ€“mass spectrometry. Journal of Chromatography A, 2017, 1488, 17-25.	1.8	27
9	Photoluminescent sensing hydrogel platform based on the combination of nanocellulose and S,N-codoped graphene quantum dots. Sensors and Actuators B: Chemical, 2017, 245, 946-953.	4.0	80
10	Fluorescent nanocellulosic hydrogels based on graphene quantum dots for sensing laccase. Analytica Chimica Acta, 2017, 974, 93-99.	2.6	83
11	Detection of nanocellulose in commercial products and its size characterization using asymmetric flow field-flow fractionation. Mikrochimica Acta, 2017, 184, 1069-1076.	2.5	10
12	Usefulness of Analytical Research: Rethinking Analytical R&D&T Strategies. Analytical Chemistry, 2017, 89, 11167-11172.	3.2	3
13	Nanocellulose as analyte and analytical tool: Opportunities and challenges. TrAC - Trends in Analytical Chemistry, 2017, 87, 1-18.	5.8	59
14	Magnetic nanoparticles coated with ionic liquid for the extraction of endocrine disrupting compounds from waters. Microchemical Journal, 2016, 128, 347-353.	2.3	60
15	Pharmaceutical crystallization with nanocellulose organogels. Chemical Communications, 2016, 52, 7782-7785.	2.2	35
16	Determination of propranolol and carvedilol in urine samples using a magnetic polyamide composite and LCâ€“MS/MS. Bioanalysis, 2016, 8, 2115-2123.	0.6	11
17	Preparation and evaluation of micro and meso porous silica monoliths with embedded carbon nanoparticles for the extraction of non-polar compounds from waters. Journal of Chromatography A, 2016, 1468, 55-63.	1.8	21
18	In-syringe dispersive micro-solid phase extraction using carbon fibres for the determination of chlorophenols in human urine by gas chromatography/mass spectrometry. Journal of Chromatography A, 2016, 1464, 42-49.	1.8	37

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19	Selective extraction of Bactrocera oleae sexual pheromone from olive oil by dispersive magnetic microsolid phase extraction using a molecularly imprinted nanocomposite. Journal of Chromatography A, 2016, 1455, 57-64.	1.8	26
20	One-Step Synthesis and Characterization of N-Doped Carbon Nanodots for Sensing in Organic Media. Analytical Chemistry, 2016, 88, 3178-3185.	3.2	39
21	Î²-Cyclodextrin functionalized carbon quantum dots as sensors for determination of water-soluble C₆₀fullerenes in water. Analyst, The, 2016, 141, 2682-2687.	1.7	24
22	Gels based on nanocellulose with photosensitive ruthenium bipyridine moieties as sensors for silver nanoparticles in real samples. Sensors and Actuators B: Chemical, 2016, 229, 31-37.	4.0	35
23	Analytical methodologies for nanotoxicity assessment. TrAC - Trends in Analytical Chemistry, 2016, 84, 160-171.	5.8	29
24	Determination of TiO2 nanoparticles in sunscreen using N-doped graphene quantum dots as a fluorescent probe. Mikrochimica Acta, 2016, 183, 781-789.	2.5	28
25	Dispersive micro-solid phase extraction of bisphenol A from milk using magnetic nylon 6 composite and its final determination by HPLC-UV. Microchemical Journal, 2016, 124, 751-756.	2.3	75
26	Quo vadis, analytical chemistry?. Analytical and Bioanalytical Chemistry, 2016, 408, 13-21.	1.9	8
27	The third way in analytical nanoscience and nanotechnology: Involvement of nanotools and nanoanalytes in the same analytical process. TrAC - Trends in Analytical Chemistry, 2016, 75, 1-9.	5.8	48
28	Improved microextraction of selected triazines using polymer monoliths modified with carboxylated multi-walled carbon nanotubes. Mikrochimica Acta, 2016, 183, 465-474.	2.5	33
29	Sulfonated nanocellulose for the efficient dispersive micro solid-phase extraction and determination of silver nanoparticles in food products. Journal of Chromatography A, 2016, 1428, 352-358.	1.8	51
30	Ion Mobility Spectrometry versus Classical Physico-chemical Analysis for Assessing the Shelf Life of Extra Virgin Olive Oil According to Container Type and Storage Conditions. Journal of Agricultural and Food Chemistry, 2015, 63, 2179-2188.	2.4	39
31	Multilayer grapheneâ€“gold nanoparticle hybrid substrate for the SERS determination of metronidazole. Microchemical Journal, 2015, 121, 6-13.	2.3	42
32	Use of switchable hydrophilicity solvents for the homogeneous liquidâ€“liquid microextraction of triazine herbicides from environmental water samples. Journal of Separation Science, 2015, 38, 990-995.	1.3	79
33	Reusable sensor based on functionalized carbon dots for the detection of silver nanoparticles in cosmetics via inner filter effect. Analytica Chimica Acta, 2015, 872, 70-76.	2.6	79
34	Fluorescent carbon dotâ€“molecular salt hydrogels. Chemical Science, 2015, 6, 6139-6146.	3.7	95
35	Scanning electron microscopy of carbon nanotubes dispersed in ionic liquid: Solvent influence study. Microchemical Journal, 2015, 122, 137-143.	2.3	10
36	Green detection of the olive fruit fly pest by the direct determination of its sexual pheromone. Analytical Methods, 2015, 7, 7228-7233.	1.3	4

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37	Determination of volatile compounds by GCâ€“IMS to assign the quality of virgin olive oil. Food Chemistry, 2015, 187, 572-579.	4.2	124
38	Î²-Cyclodextrin decorated nanocellulose: a smart approach towards the selective fluorimetric determination of danofloxacin in milk samples. Analyst, The, 2015, 140, 3431-3438.	1.7	50
39	Fluorescent determination of graphene quantum dots in water samples. Analytica Chimica Acta, 2015, 896, 78-84.	2.6	23
40	Polymerâ€“nanoparticles composites in bioanalytical sample preparation. Bioanalysis, 2015, 7, 1723-1730.	0.6	28
41	Determination of urinary 5-hydroxyindoleacetic acid by combining DÎ¼-SPE using carbon coated TiO₂ nanotubes and LCâ€“MS/MS. Bioanalysis, 2015, 7, 2857-2867.	0.6	4
42	Stir fabric phase sorptive extraction for the determination of triazine herbicides in environmental waters by liquid chromatography. Journal of Chromatography A, 2015, 1376, 35-45.	1.8	81
43	Photoluminescent carbon dot sensor for carboxylated multiwalled carbon nanotube detection in river water. Sensors and Actuators B: Chemical, 2015, 207, 596-601.	4.0	45
44	Fast simultaneous determination of prominent polyphenols in vegetables and fruits by reversed phase liquid chromatography using a fused-core column. Food Chemistry, 2015, 169, 169-179.	4.2	23
45	Use of switchable solvents in the microextraction context. Talanta, 2015, 131, 645-649.	2.9	114
46	Determination of Tuta absoluta pheromones in water and tomato samples by headspaceâ€“gas chromatographyâ€“mass spectrometry. Analytical and Bioanalytical Chemistry, 2015, 407, 795-802.	1.9	3
47	Effects of the interaction of single-walled carbon nanotubes with 4-nonylphenol on their in vitro toxicity. Journal of Hazardous Materials, 2014, 275, 107-115.	6.5	16
48	Carbon coated titanium dioxide nanotubes: Synthesis, characterization and potential application as sorbents in dispersive micro solid phase extraction. Journal of Chromatography A, 2014, 1343, 26-32.	1.8	35
49	Graphene quantum dots as sensor for phenols in olive oil. Sensors and Actuators B: Chemical, 2014, 197, 350-357.	4.0	59
50	Carbon nanotubes as SPE sorbents for the extraction of salicylic acid from river water. Journal of Separation Science, 2014, 37, 434-439.	1.3	23
51	Effervescence assisted dispersive liquidâ€“liquid microextraction with extractant removal by magnetic nanoparticles. Analytica Chimica Acta, 2014, 807, 61-66.	2.6	95
52	Continuous flow synthesis and characterization of tailor-made bare gold nanoparticles for use in SERS. Mikrochimica Acta, 2014, 181, 1101-1108.	2.5	27
53	Functionalized carbon dots as sensors for gold nanoparticles in spiked samples: Formation of nanohybrids. Analytica Chimica Acta, 2014, 820, 133-138.	2.6	55
54	Magnetic nanoparticles-nylon 6 composite for the dispersive micro solid phase extraction of selected polycyclic aromatic hydrocarbons from water samples. Journal of Chromatography A, 2014, 1345, 43-49.	1.8	66

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55	Characterization of stainless steel assisted bare gold nanoparticles and their analytical potential. Talanta, 2014, 118, 321-327.	2.9	15
56	Infrared Attenuated Total Reflection Spectroscopy for the Characterization of Gold Nanoparticles in Solution. Analytical Chemistry, 2014, 86, 783-789.	3.2	29
57	A quantitative model to assess Social Responsibility in Environmental Science and Technology. Science of the Total Environment, 2014, 466-467, 40-46.	3.9	5
58	Microextraction techniques. Analytical and Bioanalytical Chemistry, 2014, 406, 1999-2000.	1.9	14
59	Determination of Gold Nanoparticles in Biological, Environmental, and Agrifood Samples. Comprehensive Analytical Chemistry, 2014, , 395-426.	0.7	2
60	Analytical Nanoscience andÂNanotechnology. Comprehensive Analytical Chemistry, 2014, , 3-35.	0.7	9
61	Graphene Quantum Dots Sensor for the Determination of Graphene Oxide in Environmental Water Samples. Analytical Chemistry, 2014, 86, 12279-12284.	3.2	68
62	Evaluation of phenylene-bridged periodic mesoporous organosilica as a stationary phase for solid phase extraction. Journal of Chromatography A, 2014, 1370, 25-32.	1.8	22
63	<formula formulatype="inline"><tex Notation="TeX">k</tex> </formula>-factor Test Voltage Function for Oscillating Lightning Impulses in Nonhomogenous Air Gaps. IEEE Transactions on Power Delivery, 2014, 29, 2254-2260.	2.9	3
64	Raman spectroscopic characterization of single walled carbon nanotubes: influence of the sample aggregation state. Analyst, The, 2014, 139, 290-298.	1.7	61
65	UV-polymerized butyl methacrylate monoliths with embedded carboxylic single-walled carbon nanotubes for CEC applications. Analytical and Bioanalytical Chemistry, 2014, 406, 6329-6336.	1.9	19
66	Titanium-dioxide nanotubes as sorbents in (micro)extraction techniques. TrAC - Trends in Analytical Chemistry, 2014, 62, 37-45.	5.8	39
67	Single-walled carbon nanohorns immobilized on a microporous hollow polypropylene fiber as a sorbent for the extraction of volatile organic compounds from water samples. Mikrochimica Acta, 2014, 181, 1117-1124.	2.5	16
68	Analysis of citrate-capped gold and silver nanoparticles by thiol ligand exchange capillary electrophoresis. Mikrochimica Acta, 2014, 181, 1789-1796.	2.5	31
69	Micro-solid phase extraction based on oxidized single-walled carbon nanohorns immobilized on a stir borosilicate disk: Application to the preconcentration of the endocrine disruptor benzophenone-3. Microchemical Journal, 2014, 115, 87-94.	2.3	33
70	Ternary composites of nanocellulose, carbonanotubes and ionic liquids as new extractants for direct immersion single drop microextraction. Talanta, 2014, 125, 72-77.	2.9	49
71	On-line headspace-multicapillary column-ion mobility spectrometry hyphenation as a tool for the determination of off-flavours in foods. Journal of Chromatography A, 2014, 1333, 99-105.	1.8	30
72	Determination of penicillins in milk of animal origin by capillary electrophoresis: Is sample treatment the bottleneck for routine laboratories?. Talanta, 2014, 119, 75-82.	2.9	33

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73	Stir-membrane solidâ€“liquidâ€“liquid microextraction for the determination of parabens in human breast milk samples by ultra high performance liquid chromatography-tandem mass spectrometry. Journal of Chromatography A, 2014, 1354, 26-33.	1.8	39
74	Oxidized single-walled carbon nanohorns as sorbent for porous hollow fiber direct immersion solid-phase microextraction for the determination of triazines in waters. Analytical and Bioanalytical Chemistry, 2013, 405, 2661-2669.	1.9	20
75	Stir octadecyl-modified borosilicate disk for the liquid phase microextraction of triazine herbicides from environmental waters. Journal of Chromatography A, 2013, 1307, 58-65.	1.8	23
76	Determination of TNT explosive based on its selectively interaction with creatinine-capped CdSe/ZnS quantum dots. Analytica Chimica Acta, 2013, 792, 93-100.	2.6	42
77	Synergistic relationships between Analytical Chemistry and written standards. Analytica Chimica Acta, 2013, 788, 1-7.	2.6	10
78	Liquidâ€“liquid extraction assisted by a carbon nanoparticles interface. Electrophoretic determination of atrazine in environmental samples. Analyst, The, 2013, 138, 5913.	1.7	6
79	Effervescence-assisted carbon nanotubes dispersion for the micro-solid-phase extraction of triazine herbicides from environmental waters. Analytical and Bioanalytical Chemistry, 2013, 405, 3269-3277.	1.9	66
80	The social responsibility of Nanoscience and Nanotechnology: an integral approach. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	8
81	Graphene nanoparticles as pseudostationary phase for the electrokinetic separation of nonsteroidal antiâ€inflammatory drugs. Electrophoresis, 2013, 34, 2561-2567.	1.3	14
82	Evaluation of hippuric acid content in goat milk as a marker of feeding regimen. Journal of Dairy Science, 2013, 96, 5426-5434.	1.4	19
83	Nanoparticles and continuous-flow systems combine synergistically for preconcentration. TrAC - Trends in Analytical Chemistry, 2013, 43, 109-120.	5.8	13
84	Sequential Preconcentration and On-Membrane Raman Determination of Carboxylic Single-Walled Carbon Nanotubes in River Water Samples. Analytical Chemistry, 2013, 85, 10338-10343.	3.2	15
85	Determination of carboxylic SWCNTs in river water by microextraction in ionic liquid and determination by Raman spectroscopy. Talanta, 2013, 105, 75-79.	2.9	25
86	Strong luminescence of Carbon Dots induced by acetone passivation: Efficient sensor for a rapid analysis of two different pollutants. Analytica Chimica Acta, 2013, 804, 246-251.	2.6	81
87	A quartz crystal microbalance modified with carbon nanotubes as a sensor for volatile organic compounds. Sensors and Actuators B: Chemical, 2013, 186, 811-816.	4.0	16
88	The Toxicity of Silver Nanoparticles Depends on Their Uptake by Cells and Thus on Their Surface Chemistry. Particle and Particle Systems Characterization, 2013, 30, 1079-1085.	1.2	131
89	Ionic liquid combined with carbon nanotubes: A soft material for the preconcentration of PAHs. Talanta, 2013, 104, 169-172.	2.9	25
90	Determination of parabens in waters by magnetically confined hydrophobic nanoparticle microextraction coupled to gas chromatography/mass spectrometry. Microchemical Journal, 2013, 110, 643-648.	2.3	43

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91	Solidâ€phase extraction of nitrophenols in water by using a combination of carbon nanotubes with an ionic liquid coupled inâ€line to <scp>CE</scp>. Electrophoresis, 2013, 34, 304-308.	1.3	25
92	Effect of carbon nanotubes on properties of soft materials based on carbon nanotubesâ€“ionic liquid combinations. Talanta, 2013, 110, 160-163.	2.9	12
93	Simple and fast fluorimetric determination of the critical gel concentration of soft nanomaterials. Analytica Chimica Acta, 2013, 785, 91-97.	2.6	4
94	Hybridization of commercial polymeric microparticles and magnetic nanoparticles for the dispersive micro-solid phase extraction of nitroaromatic hydrocarbons from water. Journal of Chromatography A, 2013, 1271, 50-55.	1.8	48
95	A comparative study between different alternatives to prepare gaseous standards for calibrating UV-Ion Mobility Spectrometers. Talanta, 2013, 111, 111-118.	2.9	7
96	Bare gold nanoparticles mediated surface-enhanced Raman spectroscopic determination and quantification of carboxylated single-walled carbon nanotubes. Analytica Chimica Acta, 2013, 788, 122-128.	2.6	33
97	A simple sample treatment for the determination of enrofloxacin and ciprofloxacin in raw goat milk. Microchemical Journal, 2013, 110, 533-537.	2.3	18
98	Comparison of two evaporative universal detectors for the determination of sugars in food samples by liquid chromatography. Microchemical Journal, 2013, 110, 629-635.	2.3	26
99	Multiplexed Sensing and Imaging with Colloidal Nano- and Microparticles. Annual Review of Analytical Chemistry, 2013, 6, 53-81.	2.8	65
100	Qualitative detection and quantitative determination of single-walled carbon nanotubes in mixtures of carbon nanotubes with a portable Raman spectrometer. Analyst, The, 2013, 138, 2378.	1.7	14
101	Functionalization and dispersion of carbon nanotubes in ionic liquids. TrAC - Trends in Analytical Chemistry, 2013, 47, 99-110.	5.8	96
102	Teaching Social Responsibility in Analytical Chemistry. Analytical Chemistry, 2013, 85, 6152-6161.	3.2	14
103	Ionic liquid coated magnetic nanoparticles for the gas chromatography/mass spectrometric determination of polycyclic aromatic hydrocarbons in waters. Journal of Chromatography A, 2013, 1300, 134-140.	1.8	80
104	The Role of Ion Mobility Spectrometry to Support the Food Protected Designation of Origin. Comprehensive Analytical Chemistry, 2013, 60, 221-249.	0.7	6
105	Nanodiamonds assisted-cloud point extraction for the determination of fluoranthene in river water. Analytical Methods, 2013, 5, 3864.	1.3	9
106	Determination of water-soluble vitamins in infant milk and dietary supplement using a liquid chromatography on-line coupled to a corona-charged aerosol detector. Journal of Chromatography A, 2013, 1313, 253-258.	1.8	36
107	Solid phase extraction-capillary electrophoresis determination of sulphonamide residues in milk samples by use of C18-carbon nanotubes as hybrid sorbent materials. Analyst, The, 2013, 138, 3786.	1.7	21
108	Magnetically confined hydrophobic nanoparticles for the microextraction of endocrine-disrupting phenols from environmental waters. Analytical and Bioanalytical Chemistry, 2013, 405, 2729-2734.	1.9	13

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109	Dispersive micro-solid phase extraction with ionic liquid-modified silica for the determination of organophosphate pesticides in water by ultra performance liquid chromatography. Microchemical Journal, 2013, 106, 311-317.	2.3	91
110	Microextraction by packed sorbents combined with surface-enhanced Raman spectroscopy for determination of musk ketone in river water. Analytical and Bioanalytical Chemistry, 2013, 405, 7251-7257.	1.9	12
111	Stir-membrane liquid microextraction for the determination of paracetamol in human saliva samples. Bioanalysis, 2013, 5, 307-315.	0.6	16
112	Easy sample treatment for the determination of enrofloxacin and ciprofloxacin residues in raw bovine milk by capillary electrophoresis. Electrophoresis, 2012, 33, 2978-2986.	1.3	34
113	Headspaceâ€“multicapillary columnâ€“ion mobility spectrometry for the direct analysis of 2,4,6-trichloroanisole in wine and cork samples. Journal of Chromatography A, 2012, 1265, 149-154.	1.8	12
114	Combination of carbon nanotubes modified filters with microextraction by packed sorbent for the NACE analysis of trace levels of ionic liquids in river water samples. Talanta, 2012, 89, 124-128.	2.9	13
115	Evaluation of single-walled carbon nanohorns as sorbent in dispersive micro solid-phase extraction. Analytica Chimica Acta, 2012, 714, 76-81.	2.6	77
116	Dispersive micro solid-phase extraction of triazines from waters using oxidized single-walled carbon nanohorns as sorbent. Journal of Chromatography A, 2012, 1245, 17-23.	1.8	93
117	Stir frit microextraction: An approach for the determination of volatile compounds in water by headspace-gas chromatography/mass spectrometry. Journal of Chromatography A, 2012, 1251, 10-15.	1.8	10
118	Use of carboxylic group functionalized magnetic nanoparticles for the preconcentration of metals in juice samples prior to the determination by capillary electrophoresis. Electrophoresis, 2012, 33, 2446-2453.	1.3	14
119	(CdSe/ZnS QDs)-ionic liquid-based headspace single drop microextraction for the fluorimetric determination of trimethylamine in fish. Analyst, The, 2012, 137, 1152.	1.7	29
120	Rapid analysis of gold nanoparticles in liver and river water samples. Analyst, The, 2012, 137, 3528.	1.7	42
121	Coiled carbon nanotubes combined with ionic liquid: a new soft material for SPE. Analytical and Bioanalytical Chemistry, 2012, 404, 903-907.	1.9	17
122	Analytical Chemistry Today and Tomorrow. , 2012, , .		1
123	Determination of non-steroidal anti-inflammatory drugs in urine by the combination of stir membrane liquidâ€“liquidâ€“liquid microextraction and liquid chromatography. Analytical and Bioanalytical Chemistry, 2012, 403, 2583-2589.	1.9	35
124	Determination of pesticides by capillary chromatography and SERS detection using a novel Silver-Quantum dots â€œspongeâ€•nanocomposite. Journal of Chromatography A, 2012, 1225, 55-61.	1.8	29
125	Ionic liquid based in situ solvent formation microextraction coupled to thermal desorption for chlorophenols determination in waters by gas chromatography/mass spectrometry. Journal of Chromatography A, 2012, 1229, 48-54.	1.8	53
126	Multi-capillary column-ion mobility spectrometry: a potential screening system to differentiate virgin olive oils. Analytical and Bioanalytical Chemistry, 2012, 402, 489-498.	1.9	65

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127	Direct coupling of dispersive micro-solid phase extraction and thermal desorption for sensitive gas chromatographic analysis. Analytical Methods, 2011, 3, 991.	1.3	21
128	Nanoparticle-based microextraction techniques in bioanalysis. Bioanalysis, 2011, 3, 2533-2548.	0.6	32
129	Calix[8]arene Coated CdSe/ZnS Quantum Dots as C₆₀-Nanosensor. Analytical Chemistry, 2011, 83, 8093-8100.	3.2	37
130	Determination of 2,4,6-tricholoroanisole in water and wine samples by ionic liquid-based single-drop microextraction and ion mobility spectrometry. Analytica Chimica Acta, 2011, 702, 199-204.	2.6	55
131	Determination of amines based on their interaction with QDs: Effect of the formation QD-assemblies. Analytica Chimica Acta, 2011, 703, 212-218.	2.6	3
132	Sample treatments based on dispersive (micro)extraction. Analytical Methods, 2011, 3, 1719.	1.3	75
133	Direct coupling of a gasâ€“liquid separator to an ion mobility spectrometer for the classification of different white wines using chemometrics tools. Talanta, 2011, 84, 471-479.	2.9	50
134	Is a new approach to Analytical Chemistry possible?. Talanta, 2011, 85, 1707-1708.	2.9	7
135	Capillary Electrophoresis Method for the Characterization and Separation of CdSe Quantum Dots. Analytical Chemistry, 2011, 83, 2807-2813.	3.2	38
136	Colistin-functionalised CdSe/ZnS quantum dots as fluorescent probe for the rapid detection of Escherichia coli. Biosensors and Bioelectronics, 2011, 26, 4368-4374.	5.3	60
137	Sample Treatments Based on Ionic Liquids. , 2011, , .		0
138	Direct determination of 2,4,6-tricholoroanisole in wines by single-drop ionic liquid microextraction coupled with multicapillary column separation and ion mobility spectrometry detection. Journal of Chromatography A, 2011, 1218, 7574-7580.	1.8	35
139	Enhancing sensitivity and selectivity in the determination of aldehydes in olive oil by use of a Tenax TA trap coupled to a UV-ion mobility spectrometer. Journal of Chromatography A, 2011, 1218, 7543-7549.	1.8	20
140	Effervescence-assisted dispersive micro-solid phase extraction. Journal of Chromatography A, 2011, 1218, 9128-9134.	1.8	68
141	Determination of Pyrimidine and Purine Bases by Reversed-Phase Capillary Liquid Chromatography with At-Line Surface-Enhanced Raman Spectroscopic Detection Employing a Novel SERS Substrate Based on ZnS/CdSe Silverâ€“Quantum Dots. Analytical Chemistry, 2011, 83, 9391-9398.	3.2	43
142	Analytical potential of hybrid nanoparticles. Analytical and Bioanalytical Chemistry, 2011, 399, 43-54.	1.9	60
143	Nanomaterials for improved analytical processes. Analytical and Bioanalytical Chemistry, 2011, 399, 1-2.	1.9	12
144	Stir membrane liquidâ€“liquid microextraction. Journal of Chromatography A, 2011, 1218, 869-874.	1.8	45

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145	Potential of nanoparticles in sample preparation. Journal of Chromatography A, 2011, 1218, 620-637.	1.8	199
146	Determination of phenols in waters by stir membrane liquidâ€“liquidâ€“liquid microextraction coupled to liquid chromatography with ultraviolet detection. Journal of Chromatography A, 2011, 1218, 2176-2181.	1.8	76
147	Rapid fluorescence determination of diquat herbicide in food grains using quantum dots as new reducing agent. Analytica Chimica Acta, 2011, 692, 103-108.	2.6	24
148	Direct classification of olive oils by using two types of ion mobility spectrometers. Analytica Chimica Acta, 2011, 696, 108-115.	2.6	70
149	Sensitive determination of polycyclic aromatic hydrocarbons in water samples using monolithic capillary solid-phase extraction and on-line thermal desorption prior to gas chromatographyâ€“mass spectrometry. Journal of Chromatography A, 2011, 1218, 1802-1807.	1.8	24
150	Electrophoretic methods for the analysis of nanoparticles. TrAC - Trends in Analytical Chemistry, 2011, 30, 58-71.	5.8	92
151	Ion-mobility spectrometry for environmental analysis. TrAC - Trends in Analytical Chemistry, 2011, 30, 677-690.	5.8	114
152	Highly selective and non-conventional sorbents for the determination of biomarkers in urine by liquid chromatography. Analytical and Bioanalytical Chemistry, 2010, 397, 1029-1038.	1.9	11
153	Sensitive in-surface infrared monitoring coupled to stir membrane extraction for the selective determination of total hydrocarbon index in waters. Analytical and Bioanalytical Chemistry, 2010, 398, 1427-1433.	1.9	20
154	Evaluation of the performance of singleâ€walled carbon nanohorns in capillary electrophoresis. Electrophoresis, 2010, 31, 1681-1688.	1.3	92
155	Differentiation of organic goat's milk based on its hippuric acid content as determined by capillary electrophoresis. Electrophoresis, 2010, 31, 2211-2217.	1.3	19
156	Carbon nanocones/disks as new coating for solid-phase microextraction. Journal of Chromatography A, 2010, 1217, 3341-3347.	1.8	28
157	Sample treatments improved by electric fields. TrAC - Trends in Analytical Chemistry, 2010, 29, 158-165.	5.8	38
158	The roles of ionic liquids in sorptive microextraction techniques. TrAC - Trends in Analytical Chemistry, 2010, 29, 602-616.	5.8	159
159	Determination of parabens in cosmetic products using multi-walled carbon nanotubes as solid phase extraction sorbent and corona-charged aerosol detection system. Journal of Chromatography A, 2010, 1217, 1-6.	1.8	119
160	Benzene, Toluene, Ethylbenzene, (o-, m- and p-) Xylenes and Styrene in Olive Oil. , 2010, , 463-470.		0
161	Analytical connotations of point-of-care testing. Analyst, The, 2010, 135, 2220.	1.7	34
162	The Potential of Carbon Nanotube Membranes for Analytical Separations. Analytical Chemistry, 2010, 82, 5399-5407.	3.2	80

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163	In Situ Synthesis of Magnetic Multiwalled Carbon Nanotube Composites for the Clean-up of (Fluoro)Quinolones from Human Plasma Prior to Ultrahigh Pressure Liquid Chromatography Analysis. Analytical Chemistry, 2010, 82, 2743-2752.	3.2	98
164	Comparison of aromatic and alkyl micelles for the electrokinetic determination of phthalates in virgin olive oil. Electrophoresis, 2009, 30, 618-623.	1.3	9
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