

# Miguel Valcã;rcel Cases

List of Publications by Year  
in descending order

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538  
papers

18,165  
citations

16411

64  
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43802

91  
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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. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8845.	1.3	5
2	Ionic-liquid-based microextraction method for the determination of silver nanoparticles in consumer products. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 5023-5031.	1.9	12
3	Analytical reliability of simple, rapid, minuturized, direct analytical processes: A call to arms. <i>TrAC - Trends in Analytical Chemistry</i> , 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 $\beta$ / $\gamma$ -cyclodextrins. <i>Mikrochimica Acta</i> , 2018, 185, 115.	2.5	19
5	Modified nanocellulose as promising material for the extraction of gold nanoparticles. <i>Microchemical Journal</i> , 2018, 138, 379-383.	2.3	16
6	Analytical Nanoscience and Nanotechnology: Where we are and where we are heading. <i>Talanta</i> , 2018, 177, 104-121.	2.9	56
7	Nanothera(g)nosis and Chemistry: A Fruitful Binomial. <i>Journal of Nanomedicine &amp; Nanotechnology</i> , 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 chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 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. <i>Sensors and Actuators B: Chemical</i> , 2017, 245, 946-953.	4.0	80
10	Fluorescent nanocellulosic hydrogels based on graphene quantum dots for sensing laccase. <i>Analytica Chimica Acta</i> , 2017, 974, 93-99.	2.6	83
11	Detection of nanocellulose in commercial products and its size characterization using asymmetric flow field-flow fractionation. <i>Mikrochimica Acta</i> , 2017, 184, 1069-1076.	2.5	10
12	Usefulness of Analytical Research: Rethinking Analytical R&D&T Strategies. <i>Analytical Chemistry</i> , 2017, 89, 11167-11172.	3.2	3
13	Nanocellulose as analyte and analytical tool: Opportunities and challenges. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 87, 1-18.	5.8	59
14	Magnetic nanoparticles coated with ionic liquid for the extraction of endocrine disrupting compounds from waters. <i>Microchemical Journal</i> , 2016, 128, 347-353.	2.3	60
15	Pharmaceutical crystallization with nanocellulose organogels. <i>Chemical Communications</i> , 2016, 52, 7782-7785.	2.2	35
16	Determination of propranolol and carvedilol in urine samples using a magnetic polyamide composite and LC-MS/MS. <i>Bioanalysis</i> , 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. <i>Journal of Chromatography A</i> , 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. <i>Journal of Chromatography A</i> , 2016, 1464, 42-49.	1.8	37

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19	Selective extraction of <i>Bactrocera oleae</i> sexual pheromone from olive oil by dispersive magnetic microsolid phase extraction using a molecularly imprinted nanocomposite. <i>Journal of Chromatography A</i> , 2016, 1455, 57-64.	1.8	26
20	One-Step Synthesis and Characterization of N-Doped Carbon Nanodots for Sensing in Organic Media. <i>Analytical Chemistry</i> , 2016, 88, 3178-3185.	3.2	39
21	β-Cyclodextrin functionalized carbon quantum dots as sensors for determination of water-soluble C <sub>60</sub> fullerenes in water. <i>Analyst</i> , 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. <i>Sensors and Actuators B: Chemical</i> , 2016, 229, 31-37.	4.0	35
23	Analytical methodologies for nanotoxicity assessment. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 84, 160-171.	5.8	29
24	Determination of TiO <sub>2</sub> nanoparticles in sunscreen using N-doped graphene quantum dots as a fluorescent probe. <i>Mikrochimica Acta</i> , 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. <i>Microchemical Journal</i> , 2016, 124, 751-756.	2.3	75
26	Quo vadis, analytical chemistry?. <i>Analytical and Bioanalytical Chemistry</i> , 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. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 75, 1-9.	5.8	48
28	Improved microextraction of selected triazines using polymer monoliths modified with carboxylated multi-walled carbon nanotubes. <i>Mikrochimica Acta</i> , 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. <i>Journal of Chromatography A</i> , 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. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 2179-2188.	2.4	39
31	Multilayer graphene-gold nanoparticle hybrid substrate for the SERS determination of metronidazole. <i>Microchemical Journal</i> , 2015, 121, 6-13.	2.3	42
32	Use of switchable hydrophilicity solvents for the homogeneous liquid-liquid microextraction of triazine herbicides from environmental water samples. <i>Journal of Separation Science</i> , 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. <i>Analytica Chimica Acta</i> , 2015, 872, 70-76.	2.6	79
34	Fluorescent carbon dot-molecular salt hydrogels. <i>Chemical Science</i> , 2015, 6, 6139-6146.	3.7	95
35	Scanning electron microscopy of carbon nanotubes dispersed in ionic liquid: Solvent influence study. <i>Microchemical Journal</i> , 2015, 122, 137-143.	2.3	10
36	Green detection of the olive fruit fly pest by the direct determination of its sexual pheromone. <i>Analytical Methods</i> , 2015, 7, 7228-7233.	1.3	4

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37	Determination of volatile compounds by GC-IMS to assign the quality of virgin olive oil. <i>Food Chemistry</i> , 2015, 187, 572-579.	4.2	124
38	β-Cyclodextrin decorated nanocellulose: a smart approach towards the selective fluorimetric determination of danofloxacin in milk samples. <i>Analyst</i> , 2015, 140, 3431-3438.	1.7	50
39	Fluorescent determination of graphene quantum dots in water samples. <i>Analytica Chimica Acta</i> , 2015, 896, 78-84.	2.6	23
40	Polymer nanoparticles composites in bioanalytical sample preparation. <i>Bioanalysis</i> , 2015, 7, 1723-1730.	0.6	28
41	Determination of urinary 5-hydroxyindoleacetic acid by combining D <sub>14</sub> -SPE using carbon coated TiO <sub>2</sub> nanotubes and LC-MS/MS. <i>Bioanalysis</i> , 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. <i>Journal of Chromatography A</i> , 2015, 1376, 35-45.	1.8	81
43	Photoluminescent carbon dot sensor for carboxylated multiwalled carbon nanotube detection in river water. <i>Sensors and Actuators B: Chemical</i> , 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. <i>Food Chemistry</i> , 2015, 169, 169-179.	4.2	23
45	Use of switchable solvents in the microextraction context. <i>Talanta</i> , 2015, 131, 645-649.	2.9	114
46	Determination of Tuta absoluta pheromones in water and tomato samples by headspace-gas chromatography-mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 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. <i>Journal of Hazardous Materials</i> , 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. <i>Journal of Chromatography A</i> , 2014, 1343, 26-32.	1.8	35
49	Graphene quantum dots as sensor for phenols in olive oil. <i>Sensors and Actuators B: Chemical</i> , 2014, 197, 350-357.	4.0	59
50	Carbon nanotubes as SPE sorbents for the extraction of salicylic acid from river water. <i>Journal of Separation Science</i> , 2014, 37, 434-439.	1.3	23
51	Effervescence assisted dispersive liquid-liquid microextraction with extractant removal by magnetic nanoparticles. <i>Analytica Chimica Acta</i> , 2014, 807, 61-66.	2.6	95
52	Continuous flow synthesis and characterization of tailor-made bare gold nanoparticles for use in SERS. <i>Mikrochimica Acta</i> , 2014, 181, 1101-1108.	2.5	27
53	Functionalized carbon dots as sensors for gold nanoparticles in spiked samples: Formation of nanohybrids. <i>Analytica Chimica Acta</i> , 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. <i>Journal of Chromatography A</i> , 2014, 1345, 43-49.	1.8	66

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55	Characterization of stainless steel assisted bare gold nanoparticles and their analytical potential. <i>Talanta</i> , 2014, 118, 321-327.	2.9	15
56	Infrared Attenuated Total Reflection Spectroscopy for the Characterization of Gold Nanoparticles in Solution. <i>Analytical Chemistry</i> , 2014, 86, 783-789.	3.2	29
57	A quantitative model to assess Social Responsibility in Environmental Science and Technology. <i>Science of the Total Environment</i> , 2014, 466-467, 40-46.	3.9	5
58	Microextraction techniques. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 1999-2000.	1.9	14
59	Determination of Gold Nanoparticles in Biological, Environmental, and Agrifood Samples. <i>Comprehensive Analytical Chemistry</i> , 2014, , 395-426.	0.7	2
60	Analytical Nanoscience and Nanotechnology. <i>Comprehensive Analytical Chemistry</i> , 2014, , 3-35.	0.7	9
61	Graphene Quantum Dots Sensor for the Determination of Graphene Oxide in Environmental Water Samples. <i>Analytical Chemistry</i> , 2014, 86, 12279-12284.	3.2	68
62	Evaluation of phenylene-bridged periodic mesoporous organosilica as a stationary phase for solid phase extraction. <i>Journal of Chromatography A</i> , 2014, 1370, 25-32.	1.8	22
63	$\int_{-\infty}^{\infty} \delta(t) \delta(t) dt = \pi$ Test Voltage Function for Oscillating Lightning Impulses in Nonhomogenous Air Gaps. <i>IEEE Transactions on Power Delivery</i> , 2014, 29, 2254-2260.	2.9	3
64	Raman spectroscopic characterization of single walled carbon nanotubes: influence of the sample aggregation state. <i>Analyst</i> , 2014, 139, 290-298.	1.7	61
65	UV-polymerized butyl methacrylate monoliths with embedded carboxylic single-walled carbon nanotubes for CEC applications. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 6329-6336.	1.9	19
66	Titanium-dioxide nanotubes as sorbents in (micro)extraction techniques. <i>TrAC - Trends in Analytical Chemistry</i> , 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. <i>Mikrochimica Acta</i> , 2014, 181, 1117-1124.	2.5	16
68	Analysis of citrate-capped gold and silver nanoparticles by thiol ligand exchange capillary electrophoresis. <i>Mikrochimica Acta</i> , 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. <i>Microchemical Journal</i> , 2014, 115, 87-94.	2.3	33
70	Ternary composites of nanocellulose, carbonnanotubes and ionic liquids as new extractants for direct immersion single drop microextraction. <i>Talanta</i> , 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. <i>Journal of Chromatography A</i> , 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?. <i>Talanta</i> , 2014, 119, 75-82.	2.9	33

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73	Stir-membrane solid-liquid-liquid microextraction for the determination of parabens in human breast milk samples by ultra high performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 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. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 2661-2669.	1.9	20
75	Stir octadecyl-modified borosilicate disk for the liquid phase microextraction of triazine herbicides from environmental waters. <i>Journal of Chromatography A</i> , 2013, 1307, 58-65.	1.8	23
76	Determination of TNT explosive based on its selectively interaction with creatinine-capped CdSe/ZnS quantum dots. <i>Analytica Chimica Acta</i> , 2013, 792, 93-100.	2.6	42
77	Synergistic relationships between Analytical Chemistry and written standards. <i>Analytica Chimica Acta</i> , 2013, 788, 1-7.	2.6	10
78	Liquid-liquid extraction assisted by a carbon nanoparticles interface. Electrophoretic determination of atrazine in environmental samples. <i>Analyst, The</i> , 2013, 138, 5913.	1.7	6
79	Effervescence-assisted carbon nanotubes dispersion for the micro-solid-phase extraction of triazine herbicides from environmental waters. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 3269-3277.	1.9	66
80	The social responsibility of Nanoscience and Nanotechnology: an integral approach. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	8
81	Graphene nanoparticles as pseudostationary phase for the electrokinetic separation of nonsteroidal anti-inflammatory drugs. <i>Electrophoresis</i> , 2013, 34, 2561-2567.	1.3	14
82	Evaluation of hippuric acid content in goat milk as a marker of feeding regimen. <i>Journal of Dairy Science</i> , 2013, 96, 5426-5434.	1.4	19
83	Nanoparticles and continuous-flow systems combine synergistically for preconcentration. <i>TrAC - Trends in Analytical Chemistry</i> , 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. <i>Analytical Chemistry</i> , 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. <i>Talanta</i> , 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. <i>Analytica Chimica Acta</i> , 2013, 804, 246-251.	2.6	81
87	A quartz crystal microbalance modified with carbon nanotubes as a sensor for volatile organic compounds. <i>Sensors and Actuators B: Chemical</i> , 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. <i>Particle and Particle Systems Characterization</i> , 2013, 30, 1079-1085.	1.2	131
89	Ionic liquid combined with carbon nanotubes: A soft material for the preconcentration of PAHs. <i>Talanta</i> , 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. <i>Microchemical Journal</i> , 2013, 110, 643-648.	2.3	43

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91	Solid-phase extraction of nitrophenols in water by using a combination of carbon nanotubes with an ionic liquid coupled in-line to <sc>CE</sc>. <i>Electrophoresis</i> , 2013, 34, 304-308.	1.3	25
92	Effect of carbon nanotubes on properties of soft materials based on carbon nanotubes-ionic liquid combinations. <i>Talanta</i> , 2013, 110, 160-163.	2.9	12
93	Simple and fast fluorimetric determination of the critical gel concentration of soft nanomaterials. <i>Analytica Chimica Acta</i> , 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. <i>Journal of Chromatography A</i> , 2013, 1271, 50-55.	1.8	48
95	A comparative study between different alternatives to prepare gaseous standards for calibrating UV-Ion Mobility Spectrometers. <i>Talanta</i> , 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. <i>Analytica Chimica Acta</i> , 2013, 788, 122-128.	2.6	33
97	A simple sample treatment for the determination of enrofloxacin and ciprofloxacin in raw goat milk. <i>Microchemical Journal</i> , 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. <i>Microchemical Journal</i> , 2013, 110, 629-635.	2.3	26
99	Multiplexed Sensing and Imaging with Colloidal Nano- and Microparticles. <i>Annual Review of Analytical Chemistry</i> , 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. <i>Analyst, The</i> , 2013, 138, 2378.	1.7	14
101	Functionalization and dispersion of carbon nanotubes in ionic liquids. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 47, 99-110.	5.8	96
102	Teaching Social Responsibility in Analytical Chemistry. <i>Analytical Chemistry</i> , 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. <i>Journal of Chromatography A</i> , 2013, 1300, 134-140.	1.8	80
104	The Role of Ion Mobility Spectrometry to Support the Food Protected Designation of Origin. <i>Comprehensive Analytical Chemistry</i> , 2013, 60, 221-249.	0.7	6
105	Nanodiamonds assisted-cloud point extraction for the determination of fluoranthene in river water. <i>Analytical Methods</i> , 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. <i>Journal of Chromatography A</i> , 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. <i>Analyst, The</i> , 2013, 138, 3786.	1.7	21
108	Magnetically confined hydrophobic nanoparticles for the microextraction of endocrine-disrupting phenols from environmental waters. <i>Analytical and Bioanalytical Chemistry</i> , 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. <i>Microchemical Journal</i> , 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. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 7251-7257.	1.9	12
111	Stir-membrane liquid microextraction for the determination of paracetamol in human saliva samples. <i>Bioanalysis</i> , 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. <i>Electrophoresis</i> , 2012, 33, 2978-2986.	1.3	34
113	Headspace "multicapillary column" ion mobility spectrometry for the direct analysis of 2,4,6-trichloroanisole in wine and cork samples. <i>Journal of Chromatography A</i> , 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. <i>Talanta</i> , 2012, 89, 124-128.	2.9	13
115	Evaluation of single-walled carbon nanohorns as sorbent in dispersive micro solid-phase extraction. <i>Analytica Chimica Acta</i> , 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. <i>Journal of Chromatography A</i> , 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. <i>Journal of Chromatography A</i> , 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. <i>Electrophoresis</i> , 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. <i>Analyst, The</i> , 2012, 137, 1152.	1.7	29
120	Rapid analysis of gold nanoparticles in liver and river water samples. <i>Analyst, The</i> , 2012, 137, 3528.	1.7	42
121	Coiled carbon nanotubes combined with ionic liquid: a new soft material for SPE. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 903-907.	1.9	17
122	<i>Analytical Chemistry Today and Tomorrow</i> . , 2012, , .		1
123	Determination of non-steroidal anti-inflammatory drugs in urine by the combination of stir membrane liquid "liquid" liquid microextraction and liquid chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 2583-2589.	1.9	35
124	Determination of pesticides by capillary chromatography and SERS detection using a novel Silver-Quantum dots "sponge" nanocomposite. <i>Journal of Chromatography A</i> , 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. <i>Journal of Chromatography A</i> , 2012, 1229, 48-54.	1.8	53
126	Multi-capillary column-ion mobility spectrometry: a potential screening system to differentiate virgin olive oils. <i>Analytical and Bioanalytical Chemistry</i> , 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. <i>Analytical Methods</i> , 2011, 3, 991.	1.3	21
128	Nanoparticle-based microextraction techniques in bioanalysis. <i>Bioanalysis</i> , 2011, 3, 2533-2548.	0.6	32
129	Calix[8]arene Coated CdSe/ZnS Quantum Dots as C <sub>60</sub> -Nanosensor. <i>Analytical Chemistry</i> , 2011, 83, 8093-8100.	3.2	37
130	Determination of 2,4,6-trichloroanisole in water and wine samples by ionic liquid-based single-drop microextraction and ion mobility spectrometry. <i>Analytica Chimica Acta</i> , 2011, 702, 199-204.	2.6	55
131	Determination of amines based on their interaction with QDs: Effect of the formation QD-assemblies. <i>Analytica Chimica Acta</i> , 2011, 703, 212-218.	2.6	3
132	Sample treatments based on dispersive (micro)extraction. <i>Analytical Methods</i> , 2011, 3, 1719.	1.3	75
133	Direct coupling of a gas-liquid separator to an ion mobility spectrometer for the classification of different white wines using chemometrics tools. <i>Talanta</i> , 2011, 84, 471-479.	2.9	50
134	Is a new approach to Analytical Chemistry possible?. <i>Talanta</i> , 2011, 85, 1707-1708.	2.9	7
135	Capillary Electrophoresis Method for the Characterization and Separation of CdSe Quantum Dots. <i>Analytical Chemistry</i> , 2011, 83, 2807-2813.	3.2	38
136	Colistin-functionalised CdSe/ZnS quantum dots as fluorescent probe for the rapid detection of <i>Escherichia coli</i> . <i>Biosensors and Bioelectronics</i> , 2011, 26, 4368-4374.	5.3	60
137	Sample Treatments Based on Ionic Liquids. , 2011, , .		0
138	Direct determination of 2,4,6-trichloroanisole in wines by single-drop ionic liquid microextraction coupled with multicapillary column separation and ion mobility spectrometry detection. <i>Journal of Chromatography A</i> , 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. <i>Journal of Chromatography A</i> , 2011, 1218, 7543-7549.	1.8	20
140	Effervescence-assisted dispersive micro-solid phase extraction. <i>Journal of Chromatography A</i> , 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 Silver-Quantum Dots. <i>Analytical Chemistry</i> , 2011, 83, 9391-9398.	3.2	43
142	Analytical potential of hybrid nanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 43-54.	1.9	60
143	Nanomaterials for improved analytical processes. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 1-2.	1.9	12
144	Stir membrane liquid-liquid microextraction. <i>Journal of Chromatography A</i> , 2011, 1218, 869-874.	1.8	45

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145	Potential of nanoparticles in sample preparation. <i>Journal of Chromatography A</i> , 2011, 1218, 620-637.	1.8	199
146	Determination of phenols in waters by stir membrane liquid-liquid microextraction coupled to liquid chromatography with ultraviolet detection. <i>Journal of Chromatography A</i> , 2011, 1218, 2176-2181.	1.8	76
147	Rapid fluorescence determination of diquat herbicide in food grains using quantum dots as new reducing agent. <i>Analytica Chimica Acta</i> , 2011, 692, 103-108.	2.6	24
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461	Fluorimetric enzymatic flow-injection determination of bile acids in human serum. <i>Fresenius' Journal of Analytical Chemistry</i> , 1990, 338, 749-751.	1.5	3
462	Kinetic determination of creatinine in biological fluids by stopped-flow injection analysis. <i>Fresenius' Journal of Analytical Chemistry</i> , 1990, 338, 752-754.	1.5	4
463	Indirect kinetic photometric determination of nickel, cobalt, mercury, and silver based on their transient inhibitory effect on a catalytic reaction. <i>Microchemical Journal</i> , 1990, 42, 110-114.	2.3	4
464	Off- and on-line determination of fluoride with unsegmented flow configurations. <i>Analytica Chimica Acta</i> , 1990, 230, 137-143.	2.6	16
465	Flow-injection determination of mixtures of amines immobilized in the flow cell of a photometric diode-array detector. <i>Analytica Chimica Acta</i> , 1990, 229, 177-182.	2.6	34
466	Sensitive and selective indirect kinetic spectrophotometric determination of manganese in agricultural samples. <i>Analyst, The</i> , 1990, 115, 993-995.	1.7	0
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468	Integration of reaction (retention) and spectroscopic detection in continuous-flow systems. Invited lecture. <i>Analyst, The</i> , 1990, 115, 699-703.	1.7	52

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469	On-line coupling of a gas chromatograph to a continuous liquid-liquid extractor. <i>Analytical Chemistry</i> , 1990, 62, 1587-1591.	3.2	41
470	Photometric determination of acidity constants by the flow gradient technique without pH measurements. <i>Analytical Chemistry</i> , 1990, 62, 2237-2241.	3.2	22
471	Use of photochemical reactions in flow injection: determination of oxalate in urine. <i>Analyst, The</i> , 1990, 115, 1549-1552.	1.7	30
472	Analysis of gaseous samples by flow injection. <i>Analytica Chimica Acta</i> , 1989, 224, 127-132.	2.6	22
473	Automatic precipitation-dissolution in continuous flow systems. <i>TrAC - Trends in Analytical Chemistry</i> , 1989, 8, 34-40.	5.8	29
474	Sandwich standardization in flow-injection analysis. <i>Talanta</i> , 1989, 36, 612-614.	2.9	19
475	Atomic absorption determination of copper in silicate rocks by continuous precipitation preconcentration. <i>Analytical Chemistry</i> , 1989, 61, 1427-1430.	3.2	51
476	Determination of cobalt at low levels in silicate rocks by atomic absorption spectrometry using a continuous on-line precipitation-dissolution procedure based on 1-nitroso-2-naphthol. <i>Journal of Analytical Atomic Spectrometry</i> , 1989, 4, 547-550.	1.6	25
477	Integrated reaction/spectrophotometric detection in unsegmented flow systems. <i>Analytica Chimica Acta</i> , 1988, 214, 217-227.	2.6	80
478	Simultaneous determination of phenolic compounds in water by normal and derivative flow injection/cyclic voltammetry. <i>Analytica Chimica Acta</i> , 1988, 214, 375-384.	2.6	29
479	Fluorimetric determination of aflatoxins by flow-injection analysis. <i>Fresenius Zeitschrift für Analytische Chemie</i> , 1988, 332, 809-812.	0.7	6
480	Analytical potential of flow-reversal injection analysis. <i>Analytical Chemistry</i> , 1988, 60, 1540-1545.	3.2	56
481	Liquid-liquid extraction in continuous flow systems without phase separation. <i>Analytical Chemistry</i> , 1988, 60, 2354-2357.	3.2	87
482	Indirect atomic absorption spectrometric determination of sulphonamides in pharmaceutical preparations and urine by continuous precipitation. <i>Journal of Analytical Atomic Spectrometry</i> , 1988, 3, 725-729.	1.6	30
483	Determination of pH, conductivity, residual chlorine and ammonium and nitrite ions in water with an unsegmented flow configuration. <i>Analyst, The</i> , 1988, 113, 739-742.	1.7	34
484	Selectivity and kinetics in analytical chemistry. Plenary lecture. <i>Analyst, The</i> , 1987, 112, 729-737.	1.7	19
485	Indirect atomic absorption determination of chloride by continuous precipitation of silver chloride in a flow injection system. <i>Journal of Analytical Atomic Spectrometry</i> , 1987, 2, 211-215.	1.6	29
486	Determination of reducing sugars in wine by flow injection analysis. <i>Analyst, The</i> , 1987, 112, 1569.	1.7	27

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487	Determination of total cholesterol in serum by flow injection analysis with immobilized enzymes. <i>Clinica Chimica Acta</i> , 1987, 167, 97-104.	0.5	20
488	Doubly stopped flow: a new alternative to simultaneous kinetic multideterminations in unsegmented flow systems. <i>Analytical Chemistry</i> , 1987, 59, 950-954.	3.2	47
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490	Pre-concentration and determination of trace amounts of lead in water by continuous precipitation in an unsegmented-flow atomic absorption spectrometric system. <i>Analyst, The</i> , 1987, 112, 1233-1236.	1.7	61
491	Flow injection analysis—use of immobilised enzymes for the determination of ethanol in serum. <i>Analyst, The</i> , 1987, 112, 259-261.	1.7	21
492	Simultaneous determination of organic isomers in mixtures by flow injection analysis with a diode array photodetector. <i>Analyst, The</i> , 1987, 112, 535-538.	1.7	22
493	Analytical potential of continuous precipitation in flow injection-atomic absorption configurations. <i>Analytical Chemistry</i> , 1987, 59, 69-74.	3.2	54
494	Determination of histamine by derivative synchronous fluorescence spectrometry. <i>Analytical Chemistry</i> , 1987, 59, 769-773.	3.2	18
495	Electrochemical determination of sulfur dioxide in air samples in closed-loop flow injection system. <i>Analytical Chemistry</i> , 1987, 59, 666-670.	3.2	44
496	Individual and simultaneous determination of ethanol and acetaldehyde in wines by flow injection analysis and immobilized enzymes. <i>Analytical Chemistry</i> , 1987, 59, 1859-1863.	3.2	60
497	Determination of analytical parameters in drinking water by flow injection analysis. Part 1. Simultaneous determination of pH, alkalinity and total ionic concentration. <i>Analyst, The</i> , 1987, 112, 263-266.	1.7	19
498	Continuous separation techniques in flow injection analysis. <i>Journal of Chromatography A</i> , 1987, 393, 3-23.	1.8	58
499	Formation of two reaction zones in flow-injection systems for kinetic determinations of cobalt and nickel. <i>Analytica Chimica Acta</i> , 1987, 193, 107-118.	2.6	22
500	Enzymatic determination of total cholesterol in serum by flow injection analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1987, 5, 333-340.	1.4	9
501	Kinetic—fluorimetric determination of pilocarpine in ophthalmic solutions. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1987, 5, 409-414.	1.4	2
502	Individual and simultaneous fluorimetric determination of glycine and cysteine by flow injection analysis. <i>Microchemical Journal</i> , 1987, 35, 315-320.	2.3	7
503	Photometric determination of tartaric acid in wine by flow injection analysis. <i>Analyst, The</i> , 1986, 111, 729-732.	1.7	18
504	Indirect atomic absorption determination of anionic surfactants in wastewaters by flow injection continuous liquid-liquid extraction. <i>Analytical Chemistry</i> , 1986, 58, 2265-2269.	3.2	60

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506	Determination of vitamin C by flow injection analysis. <i>Analyst, The</i> , 1986, 111, 163-166.	1.7	37
507	Determination of vitamin C in urine by flow injection analysis. <i>Analyst, The</i> , 1986, 111, 167-169.	1.7	19
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509	Determination of reaction stoichiometries by flow injection analysis: A laboratory exercise. <i>Journal of Chemical Education</i> , 1986, 63, 552.	1.1	25
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512	Flow injection analysis of binary and ternary mixtures of arsenite, arsenate, and phosphate. <i>Analytical Chemistry</i> , 1986, 58, 120-124.	3.2	39
513	Simultaneous and direct determination of pyridoxal, pyridoxal-5-phosphate, and pyridoxic acid in serum by derivative synchronous fluorescence spectroscopy. <i>Analytical Biochemistry</i> , 1986, 157, 212-220.	1.1	23
514	Determination of ethanol in human fluids – I. Determination of ethanol in blood. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1986, 4, 545-558.	1.4	17
515	Determination of ethanol in human fluids – II. Determination of ethanol in urine, breath and saliva. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1986, 4, 559-564.	1.4	15
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517	Simultaneous determination of pyridoxal and pyridoxal 5-phosphate in human serum by flow injection analysis. <i>Analytical Chemistry</i> , 1985, 57, 2101-2106.	3.2	25
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520	Simultaneous catalytic-fluorimetric determination of copper and mercury by flow-injection analysis. <i>Fresenius Zeitschrift für Analytische Chemie</i> , 1985, 320, 128-132.	0.7	16
521	Simultaneous and sequential determination of chromium(VI) and chromium(III) by unsegmented flow methods. <i>Fresenius Zeitschrift für Analytische Chemie</i> , 1985, 322, 499-502.	0.7	26
522	Fluorimetric determination of ammonia, hydrazine and hydroxylamine and their mixtures by differential kinetic methods. <i>Fresenius Zeitschrift für Analytische Chemie</i> , 1985, 320, 762-768.	0.7	20

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524	Fluorimetric determination of tin at the nanograms per millilitre level in canned beverages. <i>Analyst, The</i> , 1985, 110, 43-45.	1.7	16
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