MarÃ-a Soledad CÃ¡rdenas Aranzana

List of Publications by Year
in descending order

263 papers	9,508 citations	31902 53 h-index	60497 81 g-index
267 all docs	267 docs citations	267 times ranked	7242 citing authors

#	Article	IF	Citations
1	Woodenâ€based materials: Ecoâ€friendly materials for direct mass spectrometric analysis and microextraction. Journal of Separation Science, 2022, 45, 223-232.	1.3	9
2	Portable stirring device for the on-site extraction of environmental waters using magnetic hydrophilic-lipophilic balance tape. Analytica Chimica Acta, 2022, 1189, 339186.	2.6	11
3	Polymeric nanocomposites as sorbents in environmental water analysis, a close view to the synthesis and potential applications. Current Opinion in Environmental Science and Health, 2022, 25, 100320.	2.1	3
4	Surface Enhanced Raman Spectroscopy (SERS) Sensors for Clinical Analysis. , 2022, , .		0
5	Advanced polymeric solids containing nano- and micro-particles prepared via emulsion-based polymerization approaches. A review. Analytica Chimica Acta, 2022, 1208, 339669.	2.6	13
6	Pre-cleaned bare wooden toothpicks for the determination of drugs in oral fluid by mass spectrometry. Analytical and Bioanalytical Chemistry, 2022, 414, 5287-5296.	1.9	10
7	Mechanochemically designed bismuth-based halide perovskites for efficient photocatalytic oxidation of vanillyl alcohol. Journal of Materials Chemistry A, 2022, 10, 11298-11305.	5.2	16
8	Potential of hydrophobic paper-based sorptive phase prepared by in-situ thermal imidization for the extraction of methadone from oral fluid samples. Journal of Chromatography A, 2022, 1675, 463166.	1.8	4
9	Fluorescent Sensors in Food Industry. , 2022, , .		0
10	Polydopamine inner wall-coated hypodermic needle as microextraction device and electrospray emitter for the direct analysis of illicit drugs in oral fluid by ambient mass spectrometry. Talanta, 2022, 249, 123693.	2.9	7
11	Dual-template molecularly imprinted paper for the determination of drugs of abuse in saliva samples by direct infusion mass spectrometry. Microchemical Journal, 2021, 160, 105686.	2.3	27
12	Polyamide-coated wooden tips coupled to direct infusion mass spectrometry, a high throughput alternative for the determination of methadone, cocaine and methamphetamine in oral fluid. Microchemical Journal, 2021, 162, 105843.	2.3	20
13	Magnetic hydrophobic solids prepared from Pickering emulsions for the extraction of polycyclic aromatic hydrocarbons from chamomile tea. Talanta, 2021, 224, 121915.	2.9	2
14	Polydopamine coated hypodermic needles as a microextraction device for the determination of tricyclic antidepressants in oral fluid by direct infusion MS/MS. RSC Advances, 2021, 11, 22683-22690.	1.7	8
15	Passivated graphene quantum dots for carbaryl determination in juices. Journal of Separation Science, 2021, 44, 1652-1661.	1.3	4
16	Photocatalytic Cellulose-Paper: Deepening in the Sustainable and Synergic Combination of Sorption and Photodegradation. ACS Omega, 2021, 6, 9577-9586.	1.6	11
17	Portable Raman Spectrometer as a Screening Tool for Characterization of Iberian Dry-Cured Ham. Foods, 2021, 10, 1177.	1.9	5
18	Magnetic paper-based sorptive phase for enhanced mass transference in stir membrane environmental samplers. Talanta, 2021, 228, 122217.	2.9	23

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19	Synergistic combination of polyamide-coated paper-based sorptive phase for the extraction of antibiotics in saliva. Analytica Chimica Acta, 2021, 1164, 338512.	2.6	14
20	Unmodified cellulose filter paper, a sustainable and affordable sorbent for the isolation of biogenic amines from beer samples. Journal of Chromatography A, 2021, 1651, 462297.	1.8	20
21	Fan-based device for integrated air sampling and microextraction. Talanta, 2021, 230, 122290.	2.9	5
22	Carbon fibers as green and sustainable sorbent for the extraction of isoflavones from environmental waters. Talanta, 2021, 233, 122582.	2.9	8
23	A paper-based polystyrene/nylon Janus platform for the microextraction of UV filters in water samples as proof-of-concept. Mikrochimica Acta, 2021, 188, 391.	2.5	10
24	Monolithic solids: synthesis and uses in microextraction techniques. , 2021, , 393-426.		0
25	Miniaturized solid-phase extraction. , 2021, , 13-31.		1
26	Selectivity-enhanced sorbents. , 2021, , 229-252.		1
27	Switchable solvents. , 2021, , 453-470.		1
28	Membrane sorptive phases. , 2021, , 199-228.		2
29	Polymeric nanocomposites. , 2021, , 377-392.		0
30	Unconfined liquid-phase microextraction. , 2021, , 79-96.		0
31	Direct coupling of microextraction with instrumental techniques. , 2021, , 159-198.		1
32	Analytical sample treatment: basics and trends. , 2021, , 1-11.		0
33	Solid-phase microextraction. , 2021, , 33-77.		0
34	Polymeric ionic liquid immobilized onto paper as sorptive phase in microextraction. Analytica Chimica Acta, 2020, 1094, 47-56.	2.6	42
35	Particle loaded membranes. , 2020, , 341-354.		1
36	Paramagnetic ionic liquid-coated SiO2@Fe3O4 nanoparticlesâ€"The next generation of magnetically recoverable nanocatalysts applied in the glycolysis of PET. Applied Catalysis B: Environmental, 2020, 260, 118110.	10.8	94

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37	Microextraction approaches for bioanalytical applications: An overview. Journal of Chromatography A, 2020, 1616, 460790.	1.8	58
38	Heracleum Persicum based biosorbent for the removal of paraquat and diquat from waters. Journal of Environmental Chemical Engineering, 2020, 8, 104481.	3.3	15
39	Molecularly Imprinted Polymer Micro- and Nano-Particles: A Review. Molecules, 2020, 25, 4740.	1.7	57
40	Switchable Pickering emulsions stabilized by polystyrene-modified magnetic nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 606, 125462.	2.3	15
41	Paper-based sorptive phases for microextraction and sensing. Analytical Methods, 2020, 12, 3074-3091.	1.3	21
42	Facile preparation of carbon nanotube-based molecularly imprinted monolithic stirred unit. Analytical and Bioanalytical Chemistry, 2020, 412, 6341-6349.	1.9	10
43	Silver nanoflower-coated paper as dual substrate for surface-enhanced Raman spectroscopy and ambient pressure mass spectrometry analysis. Analytical and Bioanalytical Chemistry, 2020, 412, 3547-3557.	1.9	35
44	Cotton fibers functionalized with Î²-cyclodextrins as selectivity enhancer for the direct infusion mass spectrometric determination of cocaine and methamphetamine in saliva samples. Analytica Chimica Acta, 2020, 1126, 133-143.	2.6	14
45	Magnetic Graphene Oxide Composite for the Microextraction and Determination of Benzophenones in Water Samples. Nanomaterials, 2020, 10, 168.	1.9	15
46	Returning to Nature for the Design of Sorptive Phases in Solid-Phase Microextraction. Separations, 2020, 7, 2.	1.1	39
47	Toxicity evaluation of barium ferrite nanoparticles in bacteria, yeast and nematode. Chemosphere, 2020, 254, 126786.	4.2	15
48	Nano-depletion of acrosome-damaged donkey sperm by using lectin peanut agglutinin (PNA)-magnetic nanoparticles. Theriogenology, 2020, 151, 103-111.	0.9	5
49	Preparation, characterization and evaluation of hydrophilic polymers containing magnetic nanoparticles and amine-modified carbon nanotubes for the determination of anti-inflammatory drugs in urine samples. Talanta, 2020, 218, 121124.	2.9	12
50	Effervescence-Assisted Microextractionâ€"One Decade of Developments. Molecules, 2020, 25, 6053.	1.7	23
51	Effect of carbon nanohorns in the radical polymerization of methacrylate monolithic capillary columns and their application as extractant phases. Talanta, 2019, 191, 149-155.	2.9	9
52	Portable stir membrane device for on-site environmental sampling and extraction. Journal of Chromatography A, 2019, 1606, 360359.	1.8	15
53	Ultrafast spectroscopic investigation on fluorescent carbon nanodots: the role of passivation. Physical Chemistry Chemical Physics, 2019, 21, 16459-16467.	1.3	19
54	Ultra-trace tellurium preconcentration and speciation analysis in environmental samples with a novel magnetic polymeric ionic liquid nanocomposite and magnetic dispersive micro-solid phase extraction with flow-injection hydride generation atomic fluorescence spectrometry detection. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2019, 162, 105705.	1.5	27

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55	Recycled polystyrene-cotton composites, giving a second life to plastic residues for environmental remediation. Journal of Environmental Chemical Engineering, 2019, 7, 103424.	3.3	15
56	Effect of synthesis, purification and growth determination methods on the antibacterial and antifungal activity of gold nanoparticles. Materials Science and Engineering C, 2019, 103, 109805.	3.8	28
57	Magnetic Polyamide Nanocomposites for the Microextraction of Benzophenones from Water Samples. Molecules, 2019, 24, 953.	1.7	6
58	Synthesis, characterization, and application of chemically interconnected carbon nanotube monolithic sorbents by photopolymerization in polypropylene caps. Analytical and Bioanalytical Chemistry, 2019, 411, 3291-3299.	1.9	9
59	Preparation of macroscopic carbon nanohorn-based monoliths in polypropylene tips by medium internal phase emulsion for the determination of parabens in urine samples. Talanta, 2019, 198, 295-301.	2.9	12
60	Molecularly imprinted paper-based analytical device obtained by a polymerization-free synthesis. Sensors and Actuators B: Chemical, 2019, 287, 138-146.	4.0	38
61	Recycling Oxacillin Residues from Environmental Waste into Graphene Quantum Dots. Journal of Carbon Research, 2019, 5, 68.	1.4	3
62	A high thermally stable oligomer-based supramolecular solvent for universal headspace Gas Chromatography: Proof-of-principle determination of residual solvents in drugs. Analytica Chimica Acta, 2019, 1046, 132-139.	2.6	17
63	Dispersive micro-solid phase extraction. TrAC - Trends in Analytical Chemistry, 2019, 112, 226-233.	5.8	242
64	Lab-on-a-Valve Mesofluidic Platform for On-Chip Handling of Carbon-Coated Titanium Dioxide Nanotubes in a Disposable Microsolid Phase-Extraction Mode. Analytical Chemistry, 2018, 90, 4783-4791.	3.2	6
65	Nanostructured hybrid monolith with integrated stirring for the extraction of UV-filters from water and urine samples. Talanta, 2018, 182, 391-395.	2.9	19
66	Ion beam sputtering deposition of silver nanoparticles and TiOx/ZnO nanocomposites for use in surface enhanced vibrational spectroscopy (SERS and SEIRAS). Mikrochimica Acta, 2018, 185, 153.	2.5	22
67	Carbon nanotube-modified monolithic polymethacrylate pipette tips for (micro)solid-phase extraction of antidepressants from urine samples. Mikrochimica Acta, 2018, 185, 127.	2.5	47
68	Carbon nanostructures incorporated on methacrylate monoliths for separation of small molecules by nano-liquid chromatography. Microchemical Journal, 2018, 139, 222-229.	2.3	13
69	Melamine Sponge Functionalized with Urea-Formaldehyde Co-Oligomers as a Sorbent for the Solid-Phase Extraction of Hydrophobic Analytes. Molecules, 2018, 23, 2595.	1.7	13
70	Efficient combined sorption/photobleaching of dyes promoted by cellulose/titania-based nanocomposite films. Journal of Cleaner Production, 2018, 194, 167-173.	4.6	32
71	Potential of nanoparticle-based hybrid monoliths as sorbents in microextraction techniques. Analytica Chimica Acta, 2018, 1031, 15-27.	2.6	43
72	Carbon Nanohorn Suprastructures on a Paper Support as a Sorptive Phase. Molecules, 2018, 23, 1252.	1.7	35

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73	Monolithic Solid Based on Single-Walled Carbon Nanohorns: Preparation, Characterization, and Practical Evaluation as a Sorbent. Nanomaterials, 2018, 8, 370.	1.9	8
74	Tunable Polarity Carbon Fibers, a Holistic Approach to Environmental Protection. Molecules, 2018, 23, 1026.	1.7	9
75	Gold-nanostar-based SERS substrates for studying protein aggregation processes. Analyst, The, 2018, 143, 5103-5111.	1.7	32
76	One-pot synthesis of graphene quantum dots and simultaneous nanostructured self-assembly via a novel microwave-assisted method: impact on triazine removal and efficiency monitoring. RSC Advances, 2018, 8, 29939-29946.	1.7	35
77	Silica nanoparticlesâ€“nylon 6 composites: synthesis, characterization and potential use as sorbent. RSC Advances, 2017, 7, 2308-2314.	1.7	32
78	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
79	Recycling polymer residues to synthesize magnetic nanocomposites for dispersive micro-solid phase extraction. Talanta, 2017, 170, 451-456.	2.9	19
80	Paper supported polystyrene membranes for thin film microextraction. Microchemical Journal, 2017, 133, 90-95.	2.3	60
81	Preparation of porous methacrylate monoliths with oxidized single-walled carbon nanohorns for the extraction of nonsteroidal anti-inflammatory drugs from urine samples. Mikrochimica Acta, 2017, 184, 1863-1871.	2.5	32
82	Synthesis of magnetic polymeric ionic liquid nanocomposites by the Radziszewski reaction. RSC Advances, 2017, 7, 42979-42985.	1.7	23
83	Determination of the Three Main Components of the Grapevine Moth Pest Pheromone in Grape-Related Samples by Headspace-Gas Chromatography-Mass Spectrometry. Separations, 2017, 4, 31.	1.1	3
84	Ionic Liquids in Sample Preparation. Comprehensive Analytical Chemistry, 2017, , 203-224.	0.7	6
85	Recent Advances in Extraction and Stirring Integrated Techniques. Separations, 2017, 4, 6.	1.1	42
86	Magnetic nanoparticles coated with ionic liquid for the extraction of endocrine disrupting compounds from waters. Microchemical Journal, 2016, 128, 347-353.	2.3	60
87	Electrospun nanofibers as sorptive phases in microextraction. TrAC - Trends in Analytical Chemistry, 2016, 84, 3-11.	5.8	39
88	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
89	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
90	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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91	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
92	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
93	Improved microextraction of selected triazines using polymer monoliths modified with carboxylated multi-walled carbon nanotubes. Mikrochimica Acta, 2016, 183, 465-474.	2.5	33
94	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
95	Octadecyl functionalized coreâ€“shell magnetic silica nanoparticle as a powerful nanocomposite sorbent to extract urinary volatile organic metabolites. Journal of Chromatography A, 2015, 1393, 18-25.	1.8	23
96	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
97	Polymerâ€“nanoparticles composites in bioanalytical sample preparation. Bioanalysis, 2015, 7, 1723-1730.	0.6	28
98	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
99	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
100	Use of switchable solvents in the microextraction context. Talanta, 2015, 131, 645-649.	2.9	114
101	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
102	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
103	Effervescence assisted dispersive liquidâ€“liquid microextraction with extractant removal by magnetic nanoparticles. Analytica Chimica Acta, 2014, 807, 61-66.	2.6	95
104	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
105	Microextraction techniques. Analytical and Bioanalytical Chemistry, 2014, 406, 1999-2000.	1.9	14
106	Miniaturized sample preparation based on carbon nanostructures. Sample Preparation, 2014, 2, .	0.4	0
107	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
108	Titanium-dioxide nanotubes as sorbents in (micro)extraction techniques. TrAC - Trends in Analytical Chemistry, 2014, 62, 37-45.	5.8	39

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109	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
110	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
111	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
112	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
113	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
114	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
115	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
116	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
117	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
118	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
119	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
120	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
121	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
122	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
123	Stir-membrane liquid microextraction for the determination of paracetamol in human saliva samples. Bioanalysis, 2013, 5, 307-315.	0.6	16
124	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
125	Evaluation of single-walled carbon nanohorns as sorbent in dispersive micro solid-phase extraction. Analytica Chimica Acta, 2012, 714, 76-81.	2.6	77
126	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

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127	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
128	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
129	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
130	Direct coupling of dispersive micro-solid phase extraction and thermal desorption for sensitive gas chromatographic analysis. Analytical Methods, 2011, 3, 991.	1.3	21
131	Nanoparticle-based microextraction techniques in bioanalysis. Bioanalysis, 2011, 3, 2533-2548.	0.6	32
132	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
133	Sample treatments based on dispersive (micro)extraction. Analytical Methods, 2011, 3, 1719.	1.3	75
134	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
135	Effervescence-assisted dispersive micro-solid phase extraction. Journal of Chromatography A, 2011, 1218, 9128-9134.	1.8	68
136	Stir membrane liquidâ€“liquid microextraction. Journal of Chromatography A, 2011, 1218, 869-874.	1.8	45
137	Potential of nanoparticles in sample preparation. Journal of Chromatography A, 2011, 1218, 620-637.	1.8	199
138	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
139	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
140	Ion-mobility spectrometry for environmental analysis. TrAC - Trends in Analytical Chemistry, 2011, 30, 677-690.	5.8	114
141	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
142	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
143	Evaluation of the performance of singleâ€walled carbon nanohorns in capillary electrophoresis. Electrophoresis, 2010, 31, 1681-1688.	1.3	92
144	Carbon nanocones/disks as new coating for solid-phase microextraction. Journal of Chromatography A, 2010, 1217, 3341-3347.	1.8	28

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145	Sample treatments improved by electric fields. TrAC - Trends in Analytical Chemistry, 2010, 29, 158-165.	5.8	38
146	The roles of ionic liquids in sorptive microextraction techniques. TrAC - Trends in Analytical Chemistry, 2010, 29, 602-616.	5.8	159
147	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
148	Benzene, Toluene, Ethylbenzene, (o-, m- and p-) Xylenes and Styrene in Olive Oil. , 2010, , 463-470.		0
149	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
150	Comparison of aromatic and alkyl micelles for the electrokinetic determination of phthalates in virgin olive oil. Electrophoresis, 2009, 30, 618-623.	1.3	9
151	Recent developments in capillary EKC based on carbon nanoparticles. Electrophoresis, 2009, 30, 169-175.	1.3	61
152	Direct automatic determination of free and total anesthetic drugs in human plasma by use of a dual (microdialysisâ€“microextraction by packed sorbent) sample treatment coupled atâ€line to NACEâ€“MS. Electrophoresis, 2009, 30, 1684-1691.	1.3	30
153	Surfactant-coated carbon nanotubes for the liquidâ€“liquid extraction of phthalates and other migrants in virgin olive oils. Analytical and Bioanalytical Chemistry, 2009, 395, 737-746.	1.9	26
154	Sorptive microextraction for liquid-chromatographic determination of drugs in urine. TrAC - Trends in Analytical Chemistry, 2009, 28, 1164-1173.	5.8	43
155	Determination of phenothiazine derivatives in human urine by using ionic liquid-based dynamic liquid-phase microextraction coupled with liquid chromatography. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 37-42.	1.2	62
156	One step carbon nanotubes-based solid-phase extraction for the gas chromatographicâ€“mass spectrometric multiclass pesticide control in virgin olive oils. Journal of Chromatography A, 2009, 1216, 7346-7350.	1.8	82
157	Evaluation of carbon nanocones/disks as sorbent material for solid-phase extraction. Journal of Chromatography A, 2009, 1216, 5626-5633.	1.8	59
158	Ionic liquid-based single drop microextraction and room-temperature gas chromatography for on-site ion mobility spectrometric analysis. Journal of Chromatography A, 2009, 1216, 5580-5587.	1.8	67
159	One-step in-syringe ionic liquid-based dispersive liquidâ€“liquid microextraction. Journal of Chromatography A, 2009, 1216, 6459-6465.	1.8	147
160	Quantum dots luminescence enhancement due to illumination with UV/Vis light. Chemical Communications, 2009, , 5214.	2.2	282
161	Stir Membrane Extraction: A Useful Approach for Liquid Sample Pretreatment. Analytical Chemistry, 2009, 81, 8957-8961.	3.2	66
162	Selective Quantification of Carnitine Enantiomers Using Chiral Cysteine-Capped CdSe(ZnS) Quantum Dots. Analytical Chemistry, 2009, 81, 4730-4733.	3.2	107

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163	Liquid-phase microextraction in bioanalytical sample preparation. Bioanalysis, 2009, 1, 135-149.	0.6	53
164	Dispersive Solid Phase Extraction for In-Sorbent Surface Attenuated Total Reflection Infrared Detection. Analytical Chemistry, 2009, 81, 1184-1190.	3.2	36
165	Fully Automatic Sample Treatment by Integration of Microextraction by Packed Sorbents into Commercial Capillary Electrophoresisâ˜Mass Spectrometry Equipment: Application to the Determination of Fluoroquinolones in Urine. Analytical Chemistry, 2009, 81, 3188-3193.	3.2	39
166	Combined use of carbon nanotubes and ionic liquid to improve the determination of antidepressants in urine samples by liquid chromatography. Analytical and Bioanalytical Chemistry, 2008, 391, 1139-1145.	1.9	69
167	Analytical nanoscience and nanotechnology today and tomorrow. Analytical and Bioanalytical Chemistry, 2008, 391, 1881-1887.	1.9	50
168	Electrical fieldâ€assisted solidâ€phase extraction coupled onâ€line to capillary electrophoresisâ€mass spectrometry. Electrophoresis, 2008, 29, 2033-2040.	1.3	23
169	Carboxylic multiâ€walled carbon nanotubes as immobilized stationary phase in capillary electrochromatography. Electrophoresis, 2008, 29, 3850-3857.	1.3	44
170	Simple and rapid instrumental characterization of sensory attributes of virgin olive oil based on the direct coupling headspace-mass spectrometry. Journal of Chromatography A, 2008, 1188, 308-313.	1.8	27
171	Comparative study of carbon nanotubes and C60 fullerenes as pseudostationary phases in electrokinetic chromatography. Journal of Chromatography A, 2008, 1194, 128-133.	1.8	33
172	Determination of trihalomethanes in waters by ionic liquid-based single drop microextraction/gas chromatographic/mass spectrometry. Journal of Chromatography A, 2008, 1209, 76-82.	1.8	71
173	Evaluation of a new miniaturized ion mobility spectrometer and its coupling to fast gas chromatography multicapillary columns. Journal of Chromatography A, 2008, 1214, 143-150.	1.8	16
174	Carbon nanostructures as sorbent materials in analytical processes. TrAC - Trends in Analytical Chemistry, 2008, 27, 34-43.	5.8	287
175	Simplifying chromatographic analysis of the volatile fraction of foods. TrAC - Trends in Analytical Chemistry, 2008, 27, 794-803.	5.8	20
176	Ionic liquid-based single-drop microextraction/gas chromatographic/mass spectrometric determination of benzene, toluene, ethylbenzene and xylene isomers in waters. Journal of Chromatography A, 2008, 1201, 106-111.	1.8	125
177	Classification of extra virgin olive oils according to the protected designation of origin, olive variety and geographical origin. Talanta, 2008, 75, 937-943.	2.9	43
178	Ionic liquid-based dynamic liquid-phase microextraction: Application to the determination of anti-inflammatory drugs in urine samples. Journal of Chromatography A, 2008, 1202, 1-7.	1.8	71
179	Direct Coupling of Ionic Liquid Based Single-Drop Microextraction and GC/MS. Analytical Chemistry, 2008, 80, 793-800.	3.2	144
180	Characterization of an Attenuated Total Reflection-Based Sensor for Integrated Solid-Phase Extraction and Infrared Detection. Analytical Chemistry, 2008, 80, 1146-1151.	3.2	21

#	Article	IF	Citations
181	Monitoring of Carboxylic Carbon Nanotubes in Surface Water by Using Multiwalled Carbon Nanotube-Modified Filter As Preconcentration Unit. Environmental Science & Technology, 2008, 42, 6100-6104.	4.6	34
182	Surfactant-coated carbon nanotubes as pseudophases in liquidâ€“liquid extraction. Analyst, The, 2007, 132, 551-559.	1.7	45
183	Bridging the gap between analytical R&D products and their use in practice. Analyst, The, 2007, 132, 97-100.	1.7	5
184	Role of Carbon Nanotubes in Analytical Science. Analytical Chemistry, 2007, 79, 4788-4797.	3.2	268
185	Surfactant-coated single-walled carbon nanotubes as a novel pseudostationary phase in capillary EKC. Electrophoresis, 2007, 28, 1714-1722.	1.3	75
186	On-capillary sample cleanup method for the electrophoretic determination of carbohydrates in juice samples. Electrophoresis, 2007, 28, 1557-1563.	1.3	14
187	Evaluation of carbon nanostructures as chiral selectors for direct enantiomeric separation of ephedrines by EKC. Electrophoresis, 2007, 28, 2573-2579.	1.3	63
188	Vanguard/rearguard strategy for the evaluation of the degradation of yoghurt samples based on the direct analysis of the volatiles profile through headspace-gas chromatographyâ€“mass spectrometry. Journal of Chromatography A, 2007, 1141, 98-105.	1.8	22
189	Continuous flow configuration for total hydrocarbons index determination in soils by evaporative light scattering detection. Journal of Chromatography A, 2007, 1141, 302-307.	1.8	7
190	Determination of non-steroidal anti-inflammatory drugs in urine by combining an immobilized carboxylated carbon nanotubes minicolumn for solid-phase extraction with capillary electrophoresis-mass spectrometry. Journal of Chromatography A, 2007, 1159, 203-207.	1.8	82
191	Principles of qualitative analysis in the chromatographic context. Journal of Chromatography A, 2007, 1158, 234-240.	1.8	15
192	Liquidâ€“liquid extraction/headspace/gas chromatographic/mass spectrometric determination of benzene, toluene, ethylbenzene, (o-, m- and p-)xylene and styrene in olive oil using surfactant-coated carbon nanotubes as extractant. Journal of Chromatography A, 2007, 1171, 1-7.	1.8	46
193	Solid-phase extraction-capillary electrophoresis-mass spectrometry for the determination of tetracyclines residues in surface water by using carbon nanotubes as sorbent material. Journal of Chromatography A, 2007, 1175, 127-132.	1.8	96
194	Usefulness of the direct coupling headspaceâ€“mass spectrometry for sensory quality characterization of virgin olive oil samples. Analytica Chimica Acta, 2007, 583, 411-417.	2.6	27
195	Quantification of the intensity of virgin olive oil sensory attributes by direct coupling headspace-mass spectrometry and multivariate calibration techniques. Journal of Chromatography A, 2007, 1147, 144-152.	1.8	22
196	Surfactant coated fullerenes C60 as pseudostationary phase in electrokinetic chromatography. Journal of Chromatography A, 2007, 1167, 210-216.	1.8	28
197	Fast urinary screening for imipramine and desipramine using on-line solid-phase extraction and selective derivatization. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 857, 275-280.	1.2	12
198	Evaporative light scattering detection: trends in its analytical uses. Analytical and Bioanalytical Chemistry, 2007, 388, 1663-1672.	1.9	54

#	Article	IF	Citations
199	ATR-FTIR membrane-based sensor for the simultaneous determination of surfactant and oil total indices in industrial degreasing baths. Analyst, The, 2006, 131, 415-421.	1.7	17
200	Continuous flow configuration for total grease and surfactant determination in industrial degreasing baths. Analytica Chimica Acta, 2006, 561, 78-82.	2.6	6
201	Statistical intervals to validate an autoanalyzer for monitoring the exhaustion of alkaline degreasing baths. Analytica Chimica Acta, 2006, 569, 260-266.	2.6	2
202	Continuous autoanalyzer for the evaluation of the exhaustion of industrial degreasing baths based on the determination of total grease and surfactant contents. Journal of Chromatography A, 2006, 1104, 18-22.	1.8	7
203	Separation of carbon nanotubes in aqueous medium by capillary electrophoresis. Journal of Chromatography A, 2006, 1128, 282-289.	1.8	56
204	Robustness in qualitative analysis: a practical approach. TrAC - Trends in Analytical Chemistry, 2006, 25, 621-627.	5.8	20
205	Vanguard-rearguard analytical strategies. TrAC - Trends in Analytical Chemistry, 2005, 24, 67-74.	5.8	98
206	Analytical features in qualitative analysis. TrAC - Trends in Analytical Chemistry, 2005, 24, 477-487.	5.8	45
207	Modern qualitative analysis. TrAC - Trends in Analytical Chemistry, 2005, 24, 467.	5.8	8
208	Continuous flow autoanalyzer for the sequential determination of total sugars, colorant and caffeine contents in soft drinks. Analytica Chimica Acta, 2005, 530, 283-289.	2.6	20
209	Direct olive oil authentication: Detection of adulteration of olive oil with hazelnut oil by direct coupling of headspace and mass spectrometry, and multivariate regression techniques. Journal of Chromatography A, 2005, 1074, 215-221.	1.8	87
210	Autoanalyzer for continuous fractionation and quantitation of the polyphenols content in wines. Journal of Chromatography A, 2005, 1081, 127-131.	1.8	10
211	Present and Future Applications of Carbon Nanotubes to Analytical Science. ChemInform, 2005, 36, no.	0.1	0
212	Current and future screening systems. Analytical and Bioanalytical Chemistry, 2005, 381, 81-83.	1.9	12
213	Present and future applications of carbon nanotubes to analytical science. Analytical and Bioanalytical Chemistry, 2005, 382, 1783-1790.	1.9	169
214	ATR-FT-IR Membrane-Based Sensor for Integrated Microliquidâ"Liquid Extraction and Detection. Analytical Chemistry, 2005, 77, 7472-7477.	3.2	10
215	QUALITATIVE ANALYSIS. , 2005, , 405-411.		0
216	Combining headspace gas chromatography with mass spectrometry detection for confirmation of hydrocarbon residues in virgin olive oil following automatic screening. Journal of Chromatography A, 2004, 1052, 137-143.	1.8	28

#	Article	IF	Citations
217	Multipurpose chamber for the implementation of gas diffusion, dialysis, solid-phase extraction and precipitation/dissolution in continuous flow analyzers. Analytica Chimica Acta, 2004, 509, 47-54.	2.6	5
218	Direct screening of olive oil samples for residual benzene hydrocarbon compounds by headspace-mass spectrometry. Analytica Chimica Acta, 2004, 526, 77-82.	2.6	30
219	FI automatic method for the determination of copper(II) based on coproporphyrin I?Cu(II)/TCPO/H2O2 chemiluminescence reaction for the screening of waters. Talanta, 2004, 64, 1030-1035.	2.9	15
220	Direct automatic screening of soils for polycyclic aromatic hydrocarbons based on microwave-assisted extraction/fluorescence detection and on-line liquid chromatographic confirmation. Journal of Chromatography A, 2004, 1050, 111-118.	1.8	23
221	Direct automatic screening of soils for polycyclic aromatic hydrocarbons based on microwave-assisted extraction/fluorescence detection and on-line liquid chromatographic confirmation. Journal of Chromatography A, 2004, 1050, 111-118.	1.8	4
222	Direct automatic screening of soils for polycyclic aromatic hydrocarbons based on microwave-assisted extraction/fluorescence detection and on-line liquid chromatographic confirmation. Journal of Chromatography A, 2004, 1050, 111-8.	1.8	1
223	Direct sampling of orujo oil for determining residual hexane by using a chemsensor. JAOCS, Journal of the American Oil Chemists' Society, 2003, 80, 613-618.	0.8	21
224	Quality assurance of qualitative analysis in the framework of the European project ?MEQUALAN'. Accreditation and Quality Assurance, 2003, 8, 68-77.	0.4	66
225	Direct screening of lyophilised biological fluids for bile acids using an evaporative light scattering detector. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2003, 792, 299-305.	1.2	16
226	Autoanalyzer for Milk Quality Control Based on the Lactose, Fat, and Total Protein Contents. Analytical Chemistry, 2003, 75, 1425-1429.	3.2	19
227	Analysis of phenylurea herbicides from plants by GC/MS. Talanta, 2002, 56, 727-734.	2.9	46
228	Biological fluid screening and confirmation of bile acids by use of an integrated flow-injection-LC-evaporative light-scattering system. Chromatographia, 2002, 55, 49-54.	0.7	9
229	Characterization of olive oil classes using a Chemsensor and pattern recognition techniques. JAOCS, Journal of the American Oil Chemists' Society, 2002, 79, 1103-1108.	0.8	23
230	Continuous flow systems for rapid sample screening. TrAC - Trends in Analytical Chemistry, 2002, 21, 251-258.	5.8	20
231	We need reliable ways to bypass preliminary operations in (bio)chemical measurement. TrAC - Trends in Analytical Chemistry, 2002, 21, 211-212.	5.8	5
232	Continuous photometric method for the screening of human urines for phenothiazines. Analytica Chimica Acta, 2002, 462, 275-281.	2.6	25
233	Direct olive oil analysis. Grasas Y Aceites, 2002, 53, .	0.3	1
234	Multiresidue Screening of Pesticides in Fruits Using an Automatic Solid-Phase Extraction System. Journal of Agricultural and Food Chemistry, 2001, 49, 1109-1116.	2.4	24

#	Article	IF	Citations
235	Evaluation of an automated solid-phase extraction system for the enrichment of organochlorine pesticides from waters. Talanta, 2001, 54, 943-951.	2.9	26
236	Sample/analyte screening systems and chromatography. Chromatographia, 2001, 53, S149-S153.	0.7	4
237	A solid phase extraction method for the screening and determination of pyrethroid metabolites and organochlorine pesticides in human urine. Rapid Communications in Mass Spectrometry, 2001, 15, 2007-2013.	0.7	23
238	Usefulness of the evaporative light scattering detector for direct screening of biological fluids. Analytica Chimica Acta, 2001, 435, 281-288.	2.6	11
239	Semiautomatic multiresidue gas chromatographic method for the screening of vegetables for 25 organochlorine and pyrethroid pesticides. Analytica Chimica Acta, 2001, 436, 153-162.	2.6	43
240	Selective enrichment of 17 pyrethroids from lyophilised agricultural samples. Journal of Chromatography A, 2001, 912, 83-90.	1.8	32
241	Simplified method for the determination of chlorinated fungicides and insecticides in fruits by gas chromatography. Journal of Chromatography A, 2000, 882, 193-203.	1.8	32
242	A continuous spectrophotometric system for the discrimination/determination of monosaccharides and oligosaccharides in foods. Analytica Chimica Acta, 2000, 404, 121-129.	2.6	28
243	Automated flow system on-line to LC with postcolumn derivatisation for determination of sugars in carbohydrate-rich foods. Chromatographia, 2000, 52, 314-318.	0.7	10
244	Continuous flow spectrophotometric determination of paracetamol in pharmaceuticals following continuous microwave assisted alkaline hydrolysis. Talanta, 2000, 53, 417-423.	2.9	57
245	Fast urinary screening for paracetamol using on-line microwave assisted hydrolysis and spectrophotometric detection. Analyst, The, 2000, 125, 1179-1183.	1.7	23
246	Qualitative Analysis Revisited. Critical Reviews in Analytical Chemistry, 2000, 30, 345-361.	1.8	42
247	Speciation of Inorganic Lead and Ionic Alkyllead Compounds by GC/MS in Prescreened Rainwaters. Analytical Chemistry, 2000, 72, 1510-1517.	3.2	46
248	Sample screening systems in analytical chemistry. TrAC - Trends in Analytical Chemistry, 1999, 18, 685-694.	5.8	94
249	Discrimination of structural isomers of chlorinated phenols in waters using gas chromatographyâ€“mass spectrometry in the negative chemical ionization mode. Journal of Chromatography A, 1999, 830, 165-174.	1.8	15
250	Evaporative light scattering detector: a new tool for screening purposes. Analytica Chimica Acta, 1999, 402, 1-5.	2.6	30
251	Semiautomatic method for the screening and determination of 23 organochlorine pesticides in horticultural samples by gas chromatography with electron-capture detection. Journal of Chromatography A, 1999, 849, 235-243.	1.8	17
252	An automated screening system for benzodiazepines in human urine. Analytica Chimica Acta, 1998, 366, 93-102.	2.6	23

#	Article	IF	Citations
253	Gas chromatographicâ€“mass spectrometric confirmation of selected benzophenones from benzodiazepines in human urine following automatic screening. Journal of Chromatography A, 1998, 823, 389-399.	1.8	8
254	Comparison of the sensitivities of sixteen phenols in waters using an automated preconcentration system and gas chromatography/mass spectrometry in different ionization modes. Rapid Communications in Mass Spectrometry, 1998, 12, 198-206.	0.7	10
255	Rapid Solid-phase Extraction/Derivatization System for Sample Preparation and Gas Chromatographic/Mass Spectrometric Determination of Drugs in Human Urine. , 1997, 11, 298-306.		3
256	An automated preparation device for the determination of drugs in biological fluids coupled on-line to a gas chromatograph/mass spectrometer. Rapid Communications in Mass Spectrometry, 1997, 11, 973-980.	0.7	4
257	A Partially Automated Pretreatment Module for Routine Analyses for Seventeen Non-Steroid Antiinflammatory Drugs in Race Horses Using Gas Chromatography/Mass Spectrometry. Analytical Chemistry, 1996, 68, 118-123.	3.2	21
258	An Automated Preconcentration-Derivatization System for the Determination of Cocaine and its Metabolites in Urine and Illicit Cocaine Samples by Gas Chromatography/Mass Spectrometry. Rapid Communications in Mass Spectrometry, 1996, 10, 631-636.	0.7	14
259	Automatic gas chromatographic determination of the high-density-lipoprotein cholesterol and total cholesterol in serum. Biomedical Applications, 1995, 672, 7-16.	1.7	4
260	Sequential Determination of Triglycerides and Free Fatty Acids in Biological Fluids by Use of a Continuous Pretreatment Module Coupled to a Gas Chromatograph. Analytical Biochemistry, 1994, 222, 332-341.	1.1	8
261	Determination of Free Fatty Acids in Dairy Products by Direct Coupling of a Continuous Preconcentration Ion-Exchange-Derivatization Module to a Gas Chromatograph. Analytical Chemistry, 1994, 66, 628-634.	3.2	21
262	Solid Phase (Micro)extraction Tools Based on Carbon Nanotubes and Related Nanostructures. , 0, , .		1
263	Flow Processing Devices Coupled to Discrete Sample Introduction Instruments. , 0, , 265-290.		0