Mara Soledad Crdenas Aranzana

List of Publications by Citations

258 papers	7,978 citations	50 h-index	74 g-index
266 ext. papers	8,672 ext. citations	5.5 avg, IF	6.48 L-index

#	Paper	IF	Citations
258	Carbon nanostructures as sorbent materials in analytical processes. *TrAC - Trends in Analytical Chemistry*, **2008**, 27, 34-43	14.6	260
257	Role of carbon nanotubes in analytical science. *Analytical Chemistry*, **2007**, 79, 4788-97	7.8	255
256	Quantum dots luminescence enhancement due to illumination with UV/Vis light. *Chemical Communications*, **2009**, 5214-26	5.8	243
255	Potential of nanoparticles in sample preparation. *Journal of Chromatography A*, **2011**, 1218, 620-37	4.5	182
254	Dispersive micro-solid phase extraction. *TrAC - Trends in Analytical Chemistry*, **2019**, 112, 226-233	14.6	151
253	The roles of ionic liquids in sorptive microextraction techniques. *TrAC - Trends in Analytical Chemistry*, **2010**, 29, 602-616	14.6	150
252	Present and future applications of carbon nanotubes to analytical science. *Analytical and Bioanalytical Chemistry*, **2005**, 382, 1783-90	4.4	150
251	One-step in-syringe ionic liquid-based dispersive liquid-liquid microextraction. *Journal of Chromatography A*, **2009**, 1216, 6459-65	4.5	138
250	Direct coupling of ionic liquid based single-drop microextraction and GC/MS. *Analytical Chemistry*, **2008**, 80, 793-800	7.8	129
249	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, 106-11	4.5	110
248	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	4.5	99
247	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, 2743-52	7.8	97
246	Ion-mobility spectrometry for environmental analysis. *TrAC - Trends in Analytical Chemistry*, **2011**, 30, 677-690	14.6	94
245	Selective quantification of carnitine enantiomers using chiral cysteine-capped CdSe(ZnS) quantum dots. *Analytical Chemistry*, **2009**, 81, 4730-3	7.8	93
244	Use of switchable solvents in the microextraction context. *Talanta*, **2015**, 131, 645-9	6.2	92
243	Effervescence assisted dispersive liquid-liquid microextraction with extractant removal by magnetic nanoparticles. *Analytica Chimica Acta*, **2014**, 807, 61-6	6.6	86
242	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, 127-32	4.5	86

241	Evaluation of the performance of single-walled carbon nanohorns in capillary electrophoresis. *Electrophoresis*, **2010**, 31, 1681-8	3.6	85
240	Vanguard-rearguard analytical strategies. *TrAC - Trends in Analytical Chemistry*, **2005**, 24, 67-74	14.6	83
239	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	4.5	82
238	Sample screening systems in analytical chemistry. *TrAC - Trends in Analytical Chemistry*, **1999**, 18, 685-694	14.6	80
237	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	4.8	79
236	Ionic liquid coated magnetic nanoparticles for the gas chromatography/mass spectrometric determination of polycyclic aromatic hydrocarbons in waters. *Journal of Chromatography A*, **2013**, 1300, 134-40	4.5	74
235	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, 203-7	4.5	74
234	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, 215-21	4.5	73
233	One step carbon nanotubes-based solid-phase extraction for the gas chromatographic-mass spectrometric multiclass pesticide control in virgin olive oils. *Journal of Chromatography A*, **2009**, 1216, 7346-50	4.5	71
232	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	4.5	70
231	Surfactant-coated single-walled carbon nanotubes as a novel pseudostationary phase in capillary EKC. *Electrophoresis*, **2007**, 28, 1714-22	3.6	70
230	Use of switchable hydrophilicity solvents for the homogeneous liquid-liquid microextraction of triazine herbicides from environmental water samples. *Journal of Separation Science*, **2015**, 38, 990-5	3.4	67
229	Evaluation of single-walled carbon nanohorns as sorbent in dispersive micro solid-phase extraction. *Analytica Chimica Acta*, **2012**, 714, 76-81	6.6	67
228	Sample treatments based on dispersive (micro)extraction. *Analytical Methods*, **2011**, 3, 1719	3.2	66
227	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	4.5	65
226	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, 1139-45	4.4	65
225	Determination of trihalomethanes in waters by ionic liquid-based single drop microextraction/gas chromatographic/mass spectrometry. *Journal of Chromatography A*, **2008**, 1209, 76-82	4.5	63
224	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	4.8	62

223	Determination of phenols in waters by stir membrane liquid-liquid-liquid microextraction coupled to liquid chromatography with ultraviolet detection. *Journal of Chromatography A*, **2011**, 1218, 2176-81	4.5	62
222	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, 43-9	4.5	61
221	Effervescence-assisted dispersive micro-solid phase extraction. *Journal of Chromatography A*, **2011**, 1218, 9128-34	4.5	59
220	Stir membrane extraction: a useful approach for liquid sample pretreatment. *Analytical Chemistry*, **2009**, 81, 8957-61	7.8	59
219	Effervescence-assisted carbon nanotubes dispersion for the micro-solid-phase extraction of triazine herbicides from environmental waters. *Analytical and Bioanalytical Chemistry*, **2013**, 405, 3269-77	4.4	58
218	Evaluation of carbon nanostructures as chiral selectors for direct enantiomeric separation of ephedrines by EKC. *Electrophoresis*, **2007**, 28, 2573-9	3.6	58
217	Quality assurance of qualitative analysis in the framework of the European project "EQUALAN". *Accreditation and Quality Assurance*, **2003**, 8, 68-77	0.7	58
216	Recent developments in capillary EKC based on carbon nanoparticles. *Electrophoresis*, **2009**, 30, 169-75	3.6	57
215	Ionic liquid-based single drop microextraction and room-temperature gas chromatography for on-site ion mobility spectrometric analysis. *Journal of Chromatography A*, **2009**, 1216, 5580-7	4.5	57
214	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	3.2	56
213	Evaluation of carbon nanocones/disks as sorbent material for solid-phase extraction. *Journal of Chromatography A*, **2009**, 1216, 5626-33	4.5	55
212	Separation of carbon nanotubes in aqueous medium by capillary electrophoresis. *Journal of Chromatography A*, **2006**, 1128, 282-9	4.5	55
211	Magnetic nanoparticles coated with ionic liquid for the extraction of endocrine disrupting compounds from waters. *Microchemical Journal*, **2016**, 128, 347-353	4.8	55
210	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	4.5	51
209	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	6.6	51
208	Liquid-phase microextraction in bioanalytical sample preparation. *Bioanalysis*, **2009**, 1, 135-49	2.1	48
207	Evaporative light scattering detection: trends in its analytical uses. *Analytical and Bioanalytical Chemistry*, **2007**, 388, 1663-72	4.4	48
206	Analytical nanoscience and nanotechnology today and tomorrow. *Analytical and Bioanalytical Chemistry*, **2008**, 391, 1881-7	4.4	46

205	Paramagnetic ionic liquid-coated SiO2@Fe3O4 nanoparticles The next generation of magnetically recoverable nanocatalysts applied in the glycolysis of PET. *Applied Catalysis B: Environmental*, **2020**, 260, 118110	21.8	46
204	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, 50-5	4.5	44
203	Continuous flow spectrophotometric determination of paracetamol in pharmaceuticals following continuous microwave assisted alkaline hydrolysis. *Talanta*, **2000**, 53, 417-23	6.2	44
202	Carboxylic multi-walled carbon nanotubes as immobilized stationary phase in capillary electrochromatography. *Electrophoresis*, **2008**, 29, 3850-7	3.6	42
201	Speciation of inorganic lead and ionic alkyllead compounds by GC/MS in prescreened rainwaters. *Analytical Chemistry*, **2000**, 72, 1510-7	7.8	42
200	Paper supported polystyrene membranes for thin film microextraction. *Microchemical Journal*, **2017**, 133, 90-95	4.8	41
199	Surfactant-coated carbon nanotubes as pseudophases in liquid-liquid extraction. *Analyst, The*, **2007**, 132, 551-9	5	41
198	Liquid-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	4.5	40
197	Stir membrane liquid-liquid microextraction. *Journal of Chromatography A*, **2011**, 1218, 869-74	4.5	39
196	Sorptive microextraction for liquid-chromatographic determination of drugs in urine. *TrAC - Trends in Analytical Chemistry*, **2009**, 28, 1164-1173	14.6	39
195	Carbon nanotube-modified monolithic polymethacrylate pipette tips for (micro)solid-phase extraction of antidepressants from urine samples. *Mikrochimica Acta*, **2018**, 185, 127	5.8	38
194	Analytical features in qualitative analysis. *TrAC - Trends in Analytical Chemistry*, **2005**, 24, 477-487	14.6	38
193	Determination of parabens in waters by magnetically confined hydrophobic nanoparticle microextraction coupled to gas chromatography/mass spectrometry. *Microchemical Journal*, **2013**, 110, 643-648	4.8	37
192	Analysis of phenylurea herbicides from plants by GC/MS. *Talanta*, **2002**, 56, 727-34	6.2	37
191	Potential of nanoparticle-based hybrid monoliths as sorbents in microextraction techniques. *Analytica Chimica Acta*, **2018**, 1031, 15-27	6.6	37
190	Sample treatments improved by electric fields. *TrAC - Trends in Analytical Chemistry*, **2010**, 29, 158-165	14.6	36
189	Semiautomatic multiresidue gas chromatographic method for the screening of vegetables for 25 organochlorine and pyrethroid pesticides. *Analytica Chimica Acta*, **2001**, 436, 153-162	6.6	36
188	Qualitative Analysis Revisited. *Critical Reviews in Analytical Chemistry*, **2000**, 30, 345-361	5.2	36

187	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, 42-9	4.5	35
186	Titanium-dioxide nanotubes as sorbents in (micro)extraction techniques. *TrAC - Trends in Analytical Chemistry*, **2014**, 62, 37-45	14.6	35
185	Fully automatic sample treatment by integration of microextraction by packed sorbents into commercial capillary electrophoresis-mass spectrometry equipment: application to the determination of fluoroquinolones in urine. *Analytical Chemistry*, **2009**, 81, 3188-93	7.8	35
184	Classification of extra virgin olive oils according to the protected designation of origin, olive variety and geographical origin. *Talanta*, **2008**, 75, 937-43	6.2	35
183	Electrospun nanofibers as sorptive phases in microextraction. *TrAC - Trends in Analytical Chemistry*, **2016**, 84, 3-11	14.6	35
182	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. *Journal of Chromatography A*, **2014**, 1354, 26-33	4.5	34
181	Dispersive solid phase extraction for in-sorbent surface attenuated total reflection infrared detection. *Analytical Chemistry*, **2009**, 81, 1184-90	7.8	34
180	Monitoring of carboxylic carbon nanotubes in surface water by using multiwalled carbon nanotube-modified filter as preconcentration unit. *Environmental Science & Technology*, **2008**, 42, 6100-4	10.3	34
179	Improved microextraction of selected triazines using polymer monoliths modified with carboxylated multi-walled carbon nanotubes. *Mikrochimica Acta*, **2016**, 183, 465-474	5.8	33
178	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	4.5	33
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174	Recent Advances in Extraction and Stirring Integrated Techniques. *Separations*, **2017**, 4, 6	3.1	31
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172	Simplified method for the determination of chlorinated fungicides and insecticides in fruits by gas chromatography. *Journal of Chromatography A*, **2000**, 882, 193-203	4.5	31
171	Determination of non-steroidal anti-inflammatory drugs in urine by the combination of stir membrane liquid-liquid-liquid microextraction and liquid chromatography. *Analytical and Bioanalytical Chemistry*, **2012**, 403, 2583-9	4.4	30
170	Selective enrichment of 17 pyrethroids from lyophilised agricultural samples. *Journal of Chromatography A*, **2001**, 912, 83-90	4.5	30

169	Silica nanoparticles–nylon 6 composites: synthesis, characterization and potential use as sorbent. *RSC Advances*, **2017**, 7, 2308-2314	3.7	29
168	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	5.8	29
167	Carbon Nanohorn Suprastructures on a Paper Support as a Sorptive Phase. *Molecules*, **2018**, 23,	4.8	29
166	Direct screening of olive oil samples for residual benzene hydrocarbon compounds by headspace-mass spectrometry. *Analytica Chimica Acta*, **2004**, 526, 77-82	6.6	29
165	Efficient combined sorption/photobleaching of dyes promoted by cellulose/titania-based nanocomposite films. *Journal of Cleaner Production*, **2018**, 194, 167-173	10.3	29
164	One-pot synthesis of graphene quantum dots and simultaneous nanostructured self-assembly a novel microwave-assisted method: impact on triazine removal and efficiency monitoring.. *RSC Advances*, **2018**, 8, 29939-29946	3.7	28
163	Nanoparticle-based microextraction techniques in bioanalysis. *Bioanalysis*, **2011**, 3, 2533-48	2.1	28
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161	Evaporative light scattering detector: a new tool for screening purposes. *Analytica Chimica Acta*, **1999**, 402, 1-5	6.6	28
160	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	4.8	27
159	Surfactant coated fullerenes C60 as pseudostationary phase in electrokinetic chromatography. *Journal of Chromatography A*, **2007**, 1167, 210-6	4.5	27
158	Molecularly imprinted paper-based analytical device obtained by a polymerization-free synthesis. *Sensors and Actuators B: Chemical*, **2019**, 287, 138-146	8.5	27
157	Carbon nanocones/disks as new coating for solid-phase microextraction. *Journal of Chromatography A*, **2010**, 1217, 3341-7	4.5	26
156	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, 137-43	4.5	26
155	Polymeric ionic liquid immobilized onto paper as sorptive phase in microextraction. *Analytica Chimica Acta*, **2020**, 1094, 47-56	6.6	26
154	Polymer-nanoparticles composites in bioanalytical sample preparation. *Bioanalysis*, **2015**, 7, 1723-30	2.1	25
153	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	4.5	25
152	Molecularly Imprinted Polymer Micro- and Nano-Particles. A review. *Molecules*, **2020**, 25,	4.8	25

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150	Returning to Nature for the Design of Sorptive Phases in Solid-Phase Microextraction. *Separations*, **2020**, 7, 2	3.1	23
149	Surfactant-coated carbon nanotubes for the liquid-liquid extraction of phthalates and other migrants in virgin olive oils. *Analytical and Bioanalytical Chemistry*, **2009**, 395, 737-46	4.4	23
148	Sensitive determination of polycyclic aromatic hydrocarbons in water samples using monolithic capillary solid-phase extraction and on-line thermal desorption prior to gas chromatography-mass spectrometry. *Journal of Chromatography A*, **2011**, 1218, 1802-7	4.5	23
147	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, 308-13	4.5	23
146	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	4.5	23
145	A continuous spectrophotometric system for the discrimination/determination of monosaccharides and oligosaccharides in foods. *Analytica Chimica Acta*, **2000**, 404, 121-129	6.6	23
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143	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	4.5	22
142	Comparison of two evaporative universal detectors for the determination of sugars in food samples by liquid chromatography. *Microchemical Journal*, **2013**, 110, 629-635	4.8	22
141	An automated screening system for benzodiazepines in human urine. *Analytica Chimica Acta*, **1998**, 366, 93-102	6.6	22
140	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. *Journal of Chromatography A*, **2017**, 1488, 17-25	4.5	21
139	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	4.4	21
138	Gold-nanostar-based SERS substrates for studying protein aggregation processes. *Analyst, The*, **2018**, 143, 5103-5111	5	21
137	Electrical field-assisted solid-phase extraction coupled on-line to capillary electrophoresis-mass spectrometry. *Electrophoresis*, **2008**, 29, 2033-40	3.6	21
136	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	4.5	21
135	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, 2661-9	4.4	20
134	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, 144-52	4.5	20

133	Characterization of olive oil classes using a Chemsensor and pattern recognition techniques. *JAOCS, Journal of the American Oil ChemistspSociety*, **2002**, 79, 1103-1108	1.8	20
132	Continuous photometric method for the screening of human urines for phenothiazines. *Analytica Chimica Acta*, **2002**, 462, 275-281	6.6	20
131	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, 2007-13	2.2	20
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129	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	8.3	19
128	Octadecyl functionalized core-shell magnetic silica nanoparticle as a powerful nanocomposite sorbent to extract urinary volatile organic metabolites. *Journal of Chromatography A*, **2015**, 1393, 18-25	4.5	19
127	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	3.1	19
126	Stir octadecyl-modified borosilicate disk for the liquid phase microextraction of triazine herbicides from environmental waters. *Journal of Chromatography A*, **2013**, 1307, 58-65	4.5	19
125	Characterization of an attenuated total reflection-based sensor for integrated solid-phase extraction and infrared detection. *Analytical Chemistry*, **2008**, 80, 1146-51	7.8	19
124	Fast urinary screening for paracetamol using on-line microwave assisted hydrolysis and spectrophotometric detection. *Analyst, The*, **2000**, 125, 1179-83	5	19
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122	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	7.8	19
121	Nanostructured hybrid monolith with integrated stirring for the extraction of UV-filters from water and urine samples. *Talanta*, **2018**, 182, 391-395	6.2	18
120	UV-polymerized butyl methacrylate monoliths with embedded carboxylic single-walled carbon nanotubes for CEC applications. *Analytical and Bioanalytical Chemistry*, **2014**, 406, 6329-36	4.4	18
119	Synthesis of magnetic polymeric ionic liquid nanocomposites by the Radziszewski reaction. *RSC Advances*, **2017**, 7, 42979-42985	3.7	18
118	Continuous flow systems for rapid sample screening. *TrAC - Trends in Analytical Chemistry*, **2002**, 21, 251-258	2.8	18
117	Direct sampling of orujo oil for determining residual hexane by using a chemsensor. *JAOCS, Journal of the American Oil ChemistspSociety*, **2003**, 80, 613-618	1.8	18
116	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	5.8	17

115	Direct coupling of dispersive micro-solid phase extraction and thermal desorption for sensitive gas chromatographic analysis. *Analytical Methods*, **2011**, 3, 991	3.2	17
114	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, 1427-33	4.4	17
113	Vanguard/rearguard strategy for the evaluation of the degradation of yoghurt samples based on the direct analysis of the volatiles profile through headspace-gas chromatography-mass spectrometry. *Journal of Chromatography A*, **2007**, 1141, 98-105	4.5	17
112	Simplifying chromatographic analysis of the volatile fraction of foods. *TrAC - Trends in Analytical Chemistry*, **2008**, 27, 794-803	14.6	17
111	Autoanalyzer for milk quality control based on the lactose, fat, and total protein contents. *Analytical Chemistry*, **2003**, 75, 1425-9	7.8	17
110	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, 235-43	4.5	17
109	Recycling polymer residues to synthesize magnetic nanocomposites for dispersive micro-solid phase extraction. *Talanta*, **2017**, 170, 451-456	6.2	16
108	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	5.8	16
107	ATR-FTIR membrane-based sensor for the simultaneous determination of surfactant and oil total indices in industrial degreasing baths. *Analyst, The*, **2006**, 131, 415-21	5	16
106	Robustness in qualitative analysis: a practical approach. *TrAC - Trends in Analytical Chemistry*, **2006**, 25, 621-627	14.6	15
105	Continuous flow autoanalyzer for the sequential determination of total sugars, colorant and caffeine contents in soft drinks. *Analytica Chimica Acta*, **2005**, 530, 283-289	6.6	15
104	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	3.2	14
103	Ultrafast spectroscopic investigation on fluorescent carbon nanodots: the role of passivation. *Physical Chemistry Chemical Physics*, **2019**, 21, 16459-16467	3.6	13
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100	Principles of qualitative analysis in the chromatographic context. *Journal of Chromatography A*, **2007**, 1158, 234-40	4.5	13
99	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	4.8	13
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96	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, 631-6	2.2	12
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