

Soledad Muniategui-Lorenzo

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242 papers	5,958 citations	40 h-index	63 g-index
243 ext. papers	6,476 ext. citations	5.6 avg, IF	5.66 L-index

#	Paper	IF	Citations
242	Emerging pollutants in sewage, surface and drinking water in Galicia (NW Spain). <i>Chemosphere</i> , 2012 , 86, 1040-9	8.4	279
241	Multi-residue analytical method for the determination of emerging pollutants in water by solid-phase extraction and liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2009 , 1216, 2958-69	4.5	192
240	Multiresidue analysis of acidic and polar organic contaminants in water samples by stir-bar sorptive extraction-liquid desorption-gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2007 , 1174, 27-39	4.5	188
239	Multiclass determination of sunscreen chemicals in water samples by liquid chromatography-tandem mass spectrometry. <i>Analytical Chemistry</i> , 2008 , 80, 1307-15	7.8	167
238	Spatial and temporal distribution of dissolved/dispersed aromatic hydrocarbons in seawater in the area affected by the Prestige oil spill. <i>Marine Pollution Bulletin</i> , 2006 , 53, 250-9	6.7	150
237	Slurry sampling for direct analysis of solid materials by electrothermal atomic absorption spectrometry (ETAAS). A literature review from 1990 to 2000. <i>Talanta</i> , 2002 , 56, 1-51	6.2	128
236	In-vivo and in-vitro testing to assess the bioaccessibility and the bioavailability of arsenic, selenium and mercury species in food samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2011 , 30, 324-345	14.6	127
235	Microwave-assisted extraction versus Soxhlet extraction in the analysis of 21 organochlorine pesticides in plants. <i>Journal of Chromatography A</i> , 2003 , 1008, 115-22	4.5	104
234	Determination of alkylphenols and bisphenol A in seawater samples by dispersive liquid-liquid microextraction and liquid chromatography tandem mass spectrometry for compliance with environmental quality standards (Directive 2008/105/EC). <i>Journal of Chromatography A</i> , 2012 , 1233, 1-8	4.5	96
233	As, Hg, and Se flue gas sampling in a coal-fired power plant and their fate during coal combustion. <i>Environmental Science & Technology</i> , 2003 , 37, 5262-7	10.3	90
232	Investigating the chlorination of acidic pharmaceuticals and by-product formation aided by an experimental design methodology. <i>Water Research</i> , 2010 , 44, 243-55	12.5	87
231	Strengths and weaknesses of in-tube solid-phase microextraction: A scoping review. <i>Analytica Chimica Acta</i> , 2016 , 906, 41-57	6.6	82
230	Comparison of pressurized liquid extraction and microwave assisted extraction for the determination of organochlorine pesticides in vegetables. <i>Talanta</i> , 2007 , 71, 1345-51	6.2	73
229	Aging of honey. <i>Journal of Agricultural and Food Chemistry</i> , 1992 , 40, 134-138	5.7	73
228	Solid-phase microextraction-gas chromatographic-tandem mass spectrometric analysis of polycyclic aromatic hydrocarbons. Towards the European Union water directive 2006/0129 EC. <i>Journal of Chromatography A</i> , 2007 , 1176, 48-56	4.5	70
227	Occurrence, distribution and bioaccumulation of endocrine disrupting compounds in water, sediment and biota samples from a European river basin. <i>Science of the Total Environment</i> , 2015 , 529, 121-30	10.2	69
226	Optimisation and validation of a solid-phase microextraction method for simultaneous determination of different types of pesticides in water by gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2007 , 1141, 165-73	4.5	67

225	Potential transfer of organic pollutants from littoral plastics debris to the marine environment. <i>Environmental Pollution</i> , 2018 , 236, 442-453	9.3	61
224	In situ aqueous derivatization and determination of non-steroidal anti-inflammatory drugs by salting-out-assisted liquid-liquid extraction and gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2011 , 1218, 6240-7	4.5	58
223	Evaluation of HCH isomers and metabolites in soils, leachates, river water and sediments of a highly contaminated area. <i>Chemosphere</i> , 2006 , 64, 588-95	8.4	57
222	Trends in analytical methodologies for the determination of alkylphenols and bisphenol A in water samples. <i>Analytica Chimica Acta</i> , 2017 , 962, 1-14	6.6	56
221	PAHs, pesticides, personal care products and plastic additives in plastic debris from Spanish Mediterranean beaches. <i>Science of the Total Environment</i> , 2019 , 670, 672-684	10.2	55
220	Influence of marine, terrestrial and anthropogenic sources on ionic and metallic composition of rainwater at a suburban site (northwest coast of Spain). <i>Atmospheric Environment</i> , 2014 , 88, 30-38	5.3	53
219	Optimisation of a selective method for the determination of organophosphorous triesters in outdoor particulate samples by pressurised liquid extraction and large-volume injection gas chromatography-positive chemical ionisation-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2007 , 388, 1283-93	4.4	53
218	Distribution of volatile organic compounds during the combustion process in coal-fired power stations. <i>Atmospheric Environment</i> , 2001 , 35, 5823-5831	5.3	53
217	Coupled high performance liquid chromatography-microwave digestion-hydride generation-atomic absorption spectrometry for inorganic and organic arsenic speciation in fish tissue. <i>Talanta</i> , 2002 , 57, 741-50	6.2	52
216	Assessment of the bioavailability of toxic and non-toxic arsenic species in seafood samples. <i>Food Chemistry</i> , 2012 , 130, 552-560	8.5	51
215	Organochlorine pesticides accumulation and degradation products in vegetation samples of a contaminated area in Galicia (NW Spain). <i>Chemosphere</i> , 2005 , 58, 1571-8	8.4	51
214	Determination of 21 organochlorine pesticides in tree leaves using solid-phase extraction clean-up cartridges. <i>Journal of Chromatography A</i> , 2004 , 1061, 133-9	4.5	50
213	Microextraction by packed sorbent for the analysis of pharmaceutical residues in environmental water samples by in situ derivatization-programmed temperature vaporizer-gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2011 , 1218, 9390-6	4.5	48
212	A practical comparison of single and multiple imputation methods to handle complex missing data in air quality datasets. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2014 , 134, 23-33	3.8	47
211	Antimony as a Tracer of the Anthropogenic Influence on Soils and Estuarine Sediments. <i>Water, Air, and Soil Pollution</i> , 2001 , 129, 333-348	2.6	46
210	Trace metals in marine foodstuff: Bioavailability estimation and effect of major food constituents. <i>Food Chemistry</i> , 2012 , 134, 339-345	8.5	45
209	Blank and sample handling troubleshooting in ultratrace analysis of alkylphenols and bisphenol A by liquid chromatography tandem mass spectrometry. <i>Talanta</i> , 2012 , 101, 413-9	6.2	43
208	Simultaneous determination of 11 polycyclic aromatic hydrocarbons (PAHs) by second-derivative synchronous spectrofluorimetry considering the possibility of quenching by some PAHs in the mixture. <i>Analyst</i> , 1998 , 123, 2113-2117	5	42

207	Polyethylene microplastics do not increase bioaccumulation or toxicity of nonylphenol and 4-MBC to marine zooplankton. <i>Science of the Total Environment</i> , 2019 , 692, 1-9	10.2	41
206	Matrix solid-phase dispersion as a sample pretreatment for the speciation of arsenic in seafood products. <i>Analytical Chemistry</i> , 2008 , 80, 9272-8	7.8	41
205	Development of pressurized liquid extraction and cleanup procedures for determination of organochlorine pesticides in soils. <i>Journal of Chromatography A</i> , 2004 , 1047, 147-55	4.5	41
204	Simultaneous pressurized enzymatic hydrolysis extraction and clean up for arsenic speciation in seafood samples before high performance liquid chromatography-inductively coupled plasma-mass spectrometry determination. <i>Analytica Chimica Acta</i> , 2010 , 679, 63-73	6.6	40
203	Pressurized hot water extraction coupled to solid-phase microextraction-gas chromatography-mass spectrometry for the analysis of polycyclic aromatic hydrocarbons in sediments. <i>Journal of Chromatography A</i> , 2008 , 1196-1197, 65-72	4.5	40
202	Analysis and occurrence of endocrine-disrupting chemicals in airborne particles. <i>TrAC - Trends in Analytical Chemistry</i> , 2015 , 66, 45-52	14.6	39
201	Influence of several experimental parameters on As and Se leaching from coal fly ash samples. <i>Analytica Chimica Acta</i> , 2005 , 531, 299-305	6.6	39
200	Determination of triazine herbicides in seaweeds: development of a sample preparation method based on Matrix Solid Phase Dispersion and Solid Phase Extraction Clean-up. <i>Talanta</i> , 2014 , 121, 194-8	6.2	37
199	Application of fast ultrasound water-bath assisted enzymatic hydrolysis--high performance liquid chromatography-inductively coupled plasma-mass spectrometry procedures for arsenic speciation in seafood materials. <i>Journal of Chromatography A</i> , 2011 , 1218, 6970-80	4.5	37
198	Micro-columns packed with <i>Chlorella vulgaris</i> immobilised on silica gel for mercury speciation. <i>Talanta</i> , 2006 , 68, 1489-96	6.2	37
197	Fast and selective pressurized liquid extraction with simultaneous in cell clean up for the analysis of alkylphenols and bisphenol A in bivalve molluscs. <i>Journal of Chromatography A</i> , 2012 , 1270, 80-7	4.5	34
196	A single-step pesticide extraction and clean-up multi-residue analytical method by selective pressurized liquid extraction followed by on-line solid phase extraction and ultra-high-performance liquid chromatography-tandem mass spectrometry for complex matrices. <i>Journal of Chromatography A</i> , 2014 , 1275, 10-7	4.5	34
195	Development of a Matrix Solid Phase Dispersion methodology for the determination of triazine herbicides in mussels. <i>Food Chemistry</i> , 2015 , 173, 391-6	8.5	33
194	Pressurized liquid extraction of organometals and its feasibility for total metal extraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2006 , 25, 511-519	14.6	33
193	Recent advances in analytical methods for the determination of 4-alkylphenols and bisphenol A in solid environmental matrices: A critical review. <i>Analytica Chimica Acta</i> , 2018 , 1024, 39-51	6.6	32
192	Simultaneous determination of carbonyl compounds and polycyclic aromatic hydrocarbons in atmospheric particulate matter by liquid chromatography-diode array detection-fluorescence detection. <i>Talanta</i> , 2010 , 80, 2083-92	6.2	32
191	Development of a new sample pre-treatment procedure based on pressurized liquid extraction for the determination of metals in edible seaweed. <i>Analytica Chimica Acta</i> , 2007 , 598, 95-102	6.6	32
190	Occurrence of endocrine disrupting compounds in five estuaries of the northwest coast of Spain: Ecological and human health impact. <i>Chemosphere</i> , 2015 , 131, 241-7	8.4	31

189	Arsenic extraction in marine biological materials using pressurised liquid extraction. <i>Talanta</i> , 2007 , 71, 515-20	6.2	31
188	Monitoring photooxidation of the PrestigeS oil spill by attenuated total reflectance infrared spectroscopy. <i>Talanta</i> , 2006 , 69, 409-17	6.2	31
187	C1 to C9 volatile organic compound measurements in urban air. <i>Science of the Total Environment</i> , 2004 , 334-335, 167-76	10.2	31
186	Determination of organotin compounds in waters by headspace solid phase microextraction gas chromatography triple quadrupole tandem mass spectrometry under the European Water Framework Directive. <i>Journal of Chromatography A</i> , 2015 , 1385, 85-93	4.5	30
185	The comparison of two heavy fuel oils in composition and weathering pattern, based on IR, GC-FID and GC-MS analyses: application to the Prestige wreckage. <i>Water Research</i> , 2009 , 43, 1015-26	12.5	30
184	Determination of major and trace elements in human scalp hair by pressurized-liquid extraction with acetic acid and inductively coupled plasma-optical-emission spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2007 , 388, 441-9	4.4	30
183	Determination of 13 estrogenic endocrine disrupting compounds in atmospheric particulate matter by pressurised liquid extraction and liquid chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 8913-23	4.4	29
182	Enzymatic Determination of Total d-Gluconic Acid in Honey. <i>Journal of Agricultural and Food Chemistry</i> , 1997 , 45, 3550-3553	5.7	29
181	Multivariate optimisation of hydride generation procedures for single element determinations of As, Cd, Sb and Se in natural waters by electrothermal atomic absorption spectrometry. <i>Talanta</i> , 2001 , 53, 871-883	6.2	29
180	Bioaccumulation of 4-nonylphenol and effects on biomarkers, acetylcholinesterase, glutathione-S-transferase and glutathione peroxidase, in <i>Mytilus galloprovincialis</i> mussel gilla. <i>Environmental Pollution</i> , 2015 , 200, 133-9	9.3	28
179	Reliable, rapid and simple method for the analysis of phthalates in sediments by ultrasonic solvent extraction followed by head space-solid phase microextraction gas chromatography mass spectrometry determination. <i>Talanta</i> , 2017 , 162, 648-653	6.2	28
178	Using the Landfarming Technique to Remediate Soils Contaminated with Hexachlorocyclohexane Isomers. <i>Water, Air, and Soil Pollution</i> , 2007 , 181, 385-399	2.6	28
177	In vitro bioavailability of total selenium and selenium species from seafood. <i>Food Chemistry</i> , 2013 , 139, 872-7	8.5	27
176	Improving methodological aspects of the analysis of five regulated haloacetic acids in water samples by solid-phase extraction, ion-pair liquid chromatography and electrospray tandem mass spectrometry. <i>Talanta</i> , 2012 , 94, 90-8	6.2	27
175	Development of a programmed temperature vaporization-gas chromatography-tandem mass spectrometry method for polycyclic aromatic hydrocarbons analysis in biota samples at ultratrace levels. <i>Journal of Chromatography A</i> , 2008 , 1207, 136-45	4.5	27
174	Microwave assisted extraction of polycyclic aromatic hydrocarbons from atmospheric particulate samples. <i>Fresenius Journal of Analytical Chemistry</i> , 2000 , 367, 29-34		27
173	Development of an environmental friendly method for the analysis of organochlorine pesticides in sediments. <i>Chemosphere</i> , 2010 , 79, 698-705	8.4	26
172	Pressurized liquid extraction followed by high performance liquid chromatography coupled to hydride generation atomic fluorescence spectrometry for arsenic and selenium speciation in atmospheric particulate matter. <i>Journal of Chromatography A</i> , 2008 , 1215, 15-20	4.5	26

171	Direct mercury determination in aqueous slurries of environmental and biological samples by cold vapour generation-electrothermal atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , 2002 , 460, 111-122	6.6	26
170	A new method for the simultaneous determination of PAH and metals in samples of atmospheric particulate matter. <i>Atmospheric Environment</i> , 2003 , 37, 4171-4175	5.3	26
169	Evolution of invertase activity in honey over two years. <i>Journal of Agricultural and Food Chemistry</i> , 2001 , 49, 416-22	5.7	26
168	Optimization of microwave-assisted extraction of hydrocarbons in marine sediments: comparison with the Soxhlet extraction method. <i>Fresenius Journal of Analytical Chemistry</i> , 2000 , 366, 283-8		26
167	A novel and cost-effective method for the determination of fifteen polycyclic aromatic hydrocarbons in low volume rainwater samples. <i>Talanta</i> , 2016 , 155, 175-84	6.2	26
166	Determination of chlorobenzenes in water samples based on fully automated microextraction by packed sorbent coupled with programmed temperature vaporization-gas chromatography-mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 6739-48	4.4	25
165	Membrane assisted solvent extraction coupled with liquid chromatography tandem mass spectrometry applied to the analysis of alkylphenols in water samples. <i>Journal of Chromatography A</i> , 2013 , 1281, 46-53	4.5	25
164	Matrix solid-phase dispersion of organic compounds and its feasibility for extracting inorganic and organometallic compounds. <i>TrAC - Trends in Analytical Chemistry</i> , 2009 , 28, 110-116	14.6	25
163	Arsenic species determination in human scalp hair by pressurized hot water extraction and high performance liquid chromatography-inductively coupled plasma-mass spectrometry. <i>Talanta</i> , 2013 , 105, 422-8	6.2	24
162	Tin determination in marine sediment, soil, coal fly ash and coal slurried samples by hydride generation-electrothermal atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , 2002 , 461, 261-271	6.6	23
161	Standardization of the minimum information for publication of infrared-related data when microplastics are characterized. <i>Marine Pollution Bulletin</i> , 2020 , 154, 111035	6.7	23
160	Development of an analytical method based on microwave-assisted extraction and solid phase extraction cleanup for the determination of organochlorine pesticides in animal feed. <i>Analytical and Bioanalytical Chemistry</i> , 2008 , 391, 745-52	4.4	22
159	Development of a fast analytical tool to identify oil spillages employing infrared spectral indexes and pattern recognition techniques. <i>Talanta</i> , 2007 , 74, 163-75	6.2	22
158	Pressurized liquid extraction as a novel sample pre-treatment for trace element leaching from biological material. <i>Analytica Chimica Acta</i> , 2006 , 572, 172-9	6.6	22
157	Measurement of Volatile Organic Compounds in Urban Air of La Coruña, Spain. <i>Water, Air, and Soil Pollution</i> , 2001 , 129, 267-288	2.6	22
156	Multivariate prediction of eight kerosene properties employing vapour-phase mid-infrared spectrometry?. <i>Fuel</i> , 2003 , 82, 1211-1218	7.1	21
155	Determination of polycyclic aromatic hydrocarbons (PAHs) in a complex mixture by second-derivative constant-energy synchronous spectrofluorimetry. <i>Talanta</i> , 2000 , 51, 677-84	6.2	21
154	Bioaccumulation of PCB-153 and effects on molecular biomarkers acetylcholinesterase, glutathione-S-transferase and glutathione peroxidase in <i>Mytilus galloprovincialis</i> mussels. <i>Environmental Pollution</i> , 2016 , 214, 885-891	9.3	21

153	Impact of weathering on the chemical identification of microplastics from usual packaging polymers in the marine environment. <i>Analytica Chimica Acta</i> , 2021 , 1142, 179-188	6.6	21
152	Evergreen or deciduous trees for capturing PAHs from ambient air? A case study. <i>Environmental Pollution</i> , 2017 , 221, 276-284	9.3	20
151	Analysis of endocrine disruptor compounds in marine sediments by in cell clean up-pressurized liquid extraction-liquid chromatography tandem mass spectrometry determination. <i>Analytica Chimica Acta</i> , 2014 , 852, 112-20	6.6	20
150	Enzymatic determination of l-malic acid in honey. <i>Food Chemistry</i> , 1998 , 62, 503-508	8.5	20
149	Microwave extraction of organochlorine pesticides from soils. <i>Analytical and Bioanalytical Chemistry</i> , 2003 , 375, 1225-8	4.4	20
148	Bismuth determination in environmental samples by hydride generation-electrothermal atomic absorption spectrometry. <i>Talanta</i> , 2003 , 61, 633-42	6.2	20
147	First assessment of dioxin emissions from coal-fired power stations in Spain. <i>Chemosphere</i> , 2004 , 57, 67-71	8.4	20
146	Resolution of benzo[a]pyrene in complex mixtures of other polycyclic aromatic hydrocarbons. Comparison of two spectrofluorimetric methods applied to water samples. <i>Analyst, The</i> , 2000 , 125, 1321-6	15.6	20
145	Active Biomonitoring of Heavy Metals and PAHs with Mosses and Lichens: a Case Study in the Cities of Naples and London. <i>Water, Air, and Soil Pollution</i> , 2015 , 226, 1	2.6	19
144	Fast and sensitive determination of per- and polyfluoroalkyl substances in seawater. <i>Journal of Chromatography A</i> , 2018 , 1555, 62-73	4.5	19
143	Prediction of clean octane numbers of catalytic reformed naphthas using FT-m.i.r. and PLS. <i>Fuel</i> , 1997 , 76, 1035-1042	7.1	19
142	Hydride generation atomic fluorescence spectrometric determination of As, Bi, Sb, Se(IV) and Te(IV) in aqua regia extracts from atmospheric particulate matter using multivariate optimization. <i>Analytica Chimica Acta</i> , 2004 , 526, 185-192	6.6	19
141	Direct As, Bi, Ge, Hg and Se(IV) cold vapor/hydride generation from coal fly ash slurry samples and determination by electrothermal atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2002 , 57, 883-895	3.1	19
140	Precise Method for the Measurement of Catalase Activity in Honey. <i>Journal of AOAC INTERNATIONAL</i> , 2005 , 88, 800-804	1.7	19
139	Direct analysis of inorganic anions in samples with high salt content by capillary zone electrophoresis. <i>Journal of Chromatographic Science</i> , 2001 , 39, 397-401	1.4	19
138	Development of an analytical scheme for the direct determination of antimony in geological materials by automated ultrasonic slurry sampling-ETAAS. <i>Journal of Analytical Atomic Spectrometry</i> , 1999 , 14, 703-710	3.7	19
137	Determination of As, Bi and Se in acidified slurries of marine sediment, soil and coal samples by hydride generation electrothermal atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2002 , 17, 721-726	3.7	18
136	Occurrence of alkylphenols and bisphenol A in wild mussel samples from the Spanish Atlantic coast and Bay of Biscay. <i>Marine Pollution Bulletin</i> , 2016 , 106, 360-5	6.7	18

135	Pressurized hot water extraction followed by miniaturized membrane assisted solvent extraction for the green analysis of alkylphenols in sediments. <i>Journal of Chromatography A</i> , 2015 , 1383, 8-17	4.5	17
134	Analytical methodology for the determination of organochlorine pesticides in vegetation. <i>Journal of AOAC INTERNATIONAL</i> , 2012 , 95, 1291-310	1.7	17
133	Troubleshooting in the trace analysis of organochlorine pesticides in water samples. <i>Chromatographia</i> , 2001 , 54, 501-506	2.1	17
132	Capillary zone electrophoresis for the determination of light-absorbing anions in environmental samples. <i>Journal of Chromatography A</i> , 2001 , 918, 411-21	4.5	17
131	Enzymatic Determination of Citric Acid in Honey by Using Polyvinylpolypyrrolidone Clarification. <i>Journal of Agricultural and Food Chemistry</i> , 1998 , 46, 141-144	5.7	17
130	Development of a matrix solid phase dispersion methodology for the determination of triazine herbicides in marine sediments. <i>Microchemical Journal</i> , 2017 , 133, 137-143	4.8	16
129	Matrix solid phase dispersion method for determination of polycyclic aromatic hydrocarbons in moss. <i>Journal of Chromatography A</i> , 2015 , 1406, 19-26	4.5	16
128	Capillary electrophoretic method for the determination of inorganic and organic anions in real samples. Strategies for improving repeatability and reproducibility. <i>Journal of Chromatography A</i> , 2007 , 1144, 275-8	4.5	16
127	Problems in the Extraction of Polycyclic Aromatic Hydrocarbons from Diesel Particulate Matter. <i>Polycyclic Aromatic Compounds</i> , 2002 , 22, 129-146	1.3	16
126	Enzymic determination of glycerol in honey. <i>Journal of Agricultural and Food Chemistry</i> , 1993 , 41, 557-559	3.7	16
125	A comparative study of extractant and chromatographic phases for the rapid and sensitive determination of six phthalates in rainwater samples. <i>Chemosphere</i> , 2017 , 175, 52-65	8.4	15
124	Selenium species determination in foods harvested in Seleniferous soils by HPLC-ICP-MS after enzymatic hydrolysis assisted by pressurization and microwave energy. <i>Food Research International</i> , 2018 , 111, 621-630	7	15
123	Identification of fuel samples from the Prestige wreckage by pattern recognition methods. <i>Marine Pollution Bulletin</i> , 2008 , 56, 335-47	6.7	15
122	A multivariate study of the programmed temperature vaporization injection-gas chromatographic-mass spectrometric determination of polycyclic aromatic hydrocarbons Application to marine sediments analysis. <i>Talanta</i> , 2008 , 74, 1096-103	6.2	15
121	As, Bi, Sb and Sn determination in atmospheric particulate matter by direct solid sampling-hydride generation-electrothermal atomic absorption spectrometry. <i>Talanta</i> , 2007 , 71, 1834-41	6.2	15
120	Determination of organochlorine pesticides in horticultural samples by microwave assisted extraction followed by GC-ECD. <i>International Journal of Environmental Analytical Chemistry</i> , 2005 , 85, 325-333	1.8	15
119	Application of programmed-temperature split/splitless injection to the trace analysis of aliphatic hydrocarbons by gas chromatography. <i>Journal of Chromatography A</i> , 2001 , 919, 363-71	4.5	15
118	Interaction between metallic species and biological substrates: approximation to possible interaction mechanisms between the alga <i>Chlorella vulgaris</i> and arsenic(III). <i>TrAC - Trends in Analytical Chemistry</i> , 2000 , 19, 475-480	14.6	15

117	Identification of contaminants of emerging concern with potential environmental risk in Spanish continental shelf sediments. <i>Science of the Total Environment</i> , 2020 , 742, 140505	10.2	15
116	An environmentally friendly method for the determination of triazine herbicides in estuarine seawater samples by dispersive liquid-liquid microextraction. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 618-26	5.1	14
115	Comparative study of atmospheric water-soluble organic aerosols composition in contrasting suburban environments in the Iberian Peninsula Coast. <i>Science of the Total Environment</i> , 2019 , 648, 430-441	10.2	14
114	Ion-pair in-tube solid phase microextraction for the simultaneous determination of phthalates and their degradation products in atmospheric particulate matter. <i>Journal of Chromatography A</i> , 2017 , 1520, 35-47	4.5	14
113	Determination of organic anions in atmospheric aerosol samples by capillary electrophoresis after reversed pre-electrophoresis. <i>Electrophoresis</i> , 2008 , 29, 1347-54	3.6	14
112	Screening the origin and weathering of oil slicks by attenuated total reflectance mid-IR spectrometry. <i>Talanta</i> , 2005 , 68, 116-25	6.2	14
111	Assessment of methodologies for airborne BaP analysis. <i>Science of the Total Environment</i> , 2004 , 334-335, 377-84	10.2	14
110	Enzymic Determination of Primary Normal Alcohols as Apparent Ethanol Content in Honey. <i>Journal of Agricultural and Food Chemistry</i> , 1994 , 42, 1975-1978	5.7	14
109	PAH detection in <i>Quercus robur</i> leaves and <i>Pinus pinaster</i> needles: A fast method for biomonitoring purpose. <i>Talanta</i> , 2016 , 153, 130-7	6.2	14
108	Occurrence of selected endocrine disrupting compounds in Iberian coastal areas and assessment of the environmental risk. <i>Environmental Pollution</i> , 2019 , 249, 767-775	9.3	13
107	Temporal distribution, behaviour and reactivities of BTEX compounds in a suburban Atlantic area during a year. <i>Journal of Environmental Monitoring</i> , 2009 , 11, 1216-25		13
106	Feasibility of pressurization to speed up enzymatic hydrolysis of biological materials for multielement determinations. <i>Analytical Chemistry</i> , 2007 , 79, 1797-805	7.8	13
105	A study of large-volume on-column injection GC-ECD for the ultratrace analysis of organochlorine pesticides in water. <i>Talanta</i> , 2009 , 78, 764-71	6.2	12
104	Selecting a reduced suite of diagnostic ratios calculated between petroleum biomarkers and polycyclic aromatic hydrocarbons to characterize a set of crude oils. <i>Journal of Chromatography A</i> , 2010 , 1217, 8279-89	4.5	12
103	As, Cd, Cr, Ni and Pb pressurized liquid extraction with acetic acid from marine sediment and soil samples. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2006 , 61, 1304-1309	3.1	12
102	Evaluation of the Pure Apple Juice Content in Commercial Apple Beverages Using FT-MIR-ATR and Potential Curves. <i>Spectroscopy Letters</i> , 2004 , 37, 73-93	1.1	12
101	Inhalation bioaccessibility estimation of polycyclic aromatic hydrocarbons from atmospheric particulate matter (PM): Influence of PM composition and health risk assessment. <i>Chemosphere</i> , 2021 , 263, 127847	8.4	12
100	No evidence that vitellogenin protein expression is induced in marine mussels after exposure to an estrogenic chemical. <i>Science of the Total Environment</i> , 2020 , 721, 137638	10.2	11

99	A simple method for simultaneous determination of nine triazines in drinking water. <i>Green Chemistry Letters and Reviews</i> , 2014 , 7, 271-277	4.7	11
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