Pilar Bermejo Barrera

List of Publications by Year in Descending Order

287 papers	5,491 citations	37 h-index	51 g-index
294 ext. papers	5,998 ext. citations	5 avg, IF	5.81 L-index

#	Paper	IF	Citations
287	Metal Content in Textile and (Nano)Textile Products.. *International Journal of Environmental Research and Public Health*, **2022**, 19,	4.6	1
286	Single-particle inductively coupled plasma mass spectrometry using ammonia reaction gas as a reliable and free-interference determination of metallic nanoparticles.. *Talanta*, **2022**, 242, 123286	6.2	3
285	Exploiting dynamic reaction cell technology for removal of spectral interferences in the assessment of Ag, Cu, Ti, and Zn by inductively coupled plasma mass spectrometry. *Spectrochimica Acta, Part B: Atomic Spectroscopy*, **2022**, 187, 106330	3.1	3
284	Titanium dioxide nanoparticles assessment in seaweeds by single particle inductively coupled plasma - Mass spectrometry. *Talanta*, **2022**, 236, 122856	6.2	0
283	Smart Materials for Mercury and Arsenic Determination in Food and Beverages. *Microchemical Journal*, **2022**, 107472	4.8	0
282	spICP-MS assessment of ZnONPs and TiO2NPs in moisturisers after a tip sonication sample pre-treatment. *Spectrochimica Acta, Part B: Atomic Spectroscopy*, **2022**, 193, 106450	3.1	
281	Ultrasonication followed by enzymatic hydrolysis as a sample pre-treatment for the determination of Ag nanoparticles in edible seaweed by SP-ICP-MS. *Talanta*, **2022**, 247, 123556	6.2	2
280	In vitro assessment of major and trace element bioaccessibility in tea samples. *Talanta*, **2021**, 225, 122083	6.2	3
279	Trace elements in dried blood spots as potential discriminating features for metabolic disorder diagnosis in newborns. *Metallomics*, **2021**, 13,	4.5	1
278	Human Milk Concentrations of Minerals, Essential and Toxic Trace Elements and Association with Selective Medical, Social, Demographic and Environmental Factors. *Nutrients*, **2021**, 13,	6.7	4
277	Mercury speciation in edible seaweed by liquid chromatography - Inductively coupled plasma mass spectrometry after ionic imprinted polymer-solid phase extraction. *Talanta*, **2021**, 224, 121841	6.2	10
276	Assessment of trace levels of aflatoxins AFB1 and AFB2 in non-dairy beverages by molecularly imprinted polymer based micro solid-phase extraction and liquid chromatography-tandem mass spectrometry. *Analytical Methods*, **2021**, 13, 3433-3443	3.2	3
275	Monodisperse superparamagnetic nanoparticles separation adsorbents for high-yield removal of arsenic and/or mercury metals in aqueous media. *Journal of Molecular Liquids*, **2021**, 335, 116485	6	0
274	AF4-UV-ICP-MS for detection and quantification of silver nanoparticles in seafood after enzymatic hydrolysis. *Talanta*, **2021**, 232, 122504	6.2	4
273	Bioavailability of Aflatoxins in Cultured Fish and Animal Livers Using an Dialyzability Approach. *Journal of Agricultural and Food Chemistry*, **2021**, 69, 11451-11460	5.7	2
272	Caco-2 in vitro model of human gastrointestinal tract for studying the absorption of titanium dioxide and silver nanoparticles from seafood. *Talanta*, **2021**, 233, 122494	6.2	2
271	Biopersistence rate of metallic nanoparticles in the gastro-intestinal human tract (stage 0 of the EFSA guidance for nanomaterials risk assessment). *Food Chemistry*, **2021**, 360, 130002	8.5	0

270	Size characterization and quantification of titanium dioxide nano- and microparticles-based products by Asymmetrical Flow Field-Flow Fractionation coupled to Dynamic Light Scattering and Inductively Coupled Plasma Mass Spectrometry. *Analytica Chimica Acta*, **2020**, 1122, 20-30	6.6	6
269	Combining ultrasound-assisted extraction and vortex-assisted liquid-liquid microextraction for the sensitive assessment of aflatoxins in aquaculture fish species. *Journal of Separation Science*, **2020**, 43, 1331-1338	3.4	7
268	Ionic imprinted polymer solid-phase extraction for inorganic arsenic selective pre-concentration in fishery products before high-performance liquid chromatography - inductively coupled plasma-mass spectrometry speciation. *Journal of Chromatography A*, **2020**, 1619, 460973	4.5	11
267	Synthesis and application of a surface ionic imprinting polymer on silica-coated Mn-doped ZnS quantum dots as a chemosensor for the selective quantification of inorganic arsenic in fish. *Analytical and Bioanalytical Chemistry*, **2020**, 412, 1663-1673	4.4	7
266	New adsorbents based on imprinted polymers and composite nanomaterials for arsenic and mercury screening/speciation: A review. *Microchemical Journal*, **2020**, 156, 104886	4.8	8
265	The bioavailability of arsenic species in rice. *Analytical and Bioanalytical Chemistry*, **2020**, 412, 3253-3259	4.4	3
264	A phenobarbital containing polymer/ silica coated quantum dot composite for the selective recognition of mercury species in fish samples using a room temperature phosphorescence quenching assay. *Talanta*, **2020**, 216, 120959	6.2	4
263	Exploring the Chelating Potential of an Easily Synthesized Schiff Base for Copper Sensing. *Crystals*, **2020**, 10, 235	2.3	1
262	Selenium and All-cause Mortality in End-Stage Renal Disease. Retrospective Observational Cohort Study. *Journal of Renal Nutrition*, **2020**, 30, 484-492	3	2
261	Room temperature phosphorescent determination of aflatoxins in fish feed based on molecularly imprinted polymer - Mn-doped ZnS quantum dots. *Analytica Chimica Acta*, **2020**, 1103, 183-191	6.6	19
260	Ionic imprinted polymer - Vortex-assisted dispersive micro-solid phase extraction for inorganic arsenic speciation in rice by HPLC-ICP-MS. *Talanta*, **2020**, 220, 121418	6.2	7
259	Development of a sensitive method for the analysis of four phthalates in tea samples: Tea bag contribution to the total amount in tea infusion. *Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment*, **2020**, 37, 1719-1729	3.2	7
258	Miniaturized vortex assisted-dispersive molecularly imprinted polymer micro-solid phase extraction and HPLC-MS/MS for assessing trace aflatoxins in cultured fish. *Analytical Methods*, **2020**, 12, 4351-4362	3.2	5
257	Ultrasound assisted combined molecularly imprinted polymer for the selective micro-solid phase extraction and determination of aflatoxins in fish feed using liquid chromatography-tandem mass spectrometry. *Journal of Chromatography A*, **2020**, 1609, 460431	4.5	17
256	Cloud point extraction and ICP-MS for titanium speciation in water samples. *Microchemical Journal*, **2020**, 152, 104264	4.8	14
255	Silver nanoparticles assessment in moisturizing creams by ultrasound assisted extraction followed by sp-ICP-MS. *Talanta*, **2019**, 197, 530-538	6.2	11
254	Determination and characterization of silver nanoparticles in bivalve molluscs by ultrasound assisted enzymatic hydrolysis and sp-ICP-MS. *Microchemical Journal*, **2019**, 148, 652-660	4.8	12
253	Possibilities of single particle-ICP-MS for determining/characterizing titanium dioxide and silver nanoparticles in human urine. *Journal of Trace Elements in Medicine and Biology*, **2019**, 54, 55-61	4.1	12

252	Determination of bisphenol A in tea samples by solid phase extraction and liquid chromatography coupled to mass spectrometry. *Microchemical Journal*, **2019**, 147, 598-604	4.8	25
251	NMR spectroscopy for assessing cocaine-functional monomer interactions when preparing molecularly imprinted polymers. *Microchemical Journal*, **2019**, 147, 813-817	4.8	12
250	Copper Increases Brain Oxidative Stress and Enhances the Ability of 6-Hydroxydopamine to Cause Dopaminergic Degeneration in a Rat Model of Parkinson's Disease. *Molecular Neurobiology*, **2019**, 56, 2845-2854	6.2	14
249	HPLC-MS/MS combined with membrane-protected molecularly imprinted polymer micro-solid-phase extraction for synthetic cathinones monitoring in urine. *Drug Testing and Analysis*, **2019**, 11, 33-44	3.5	23
248	The probability to detect cocaine, methylecgonine, cinnamoylcocaine, hygrine and cuscohygrine in urine samples of coca leaves chewers after six years. *Microchemical Journal*, **2019**, 151, 104215	4.8	
247	Discrete sampling based-flow injection as an introduction system in ICP-MS for the direct analysis of low volume human serum samples. *Talanta*, **2019**, 199, 220-227	6.2	4
246	Aflatoxins screening in non-dairy beverages by Mn-doped ZnS quantum dots - Molecularly imprinted polymer fluorescent probe. *Talanta*, **2019**, 199, 65-71	6.2	34
245	Size exclusion chromatography - Inductively coupled plasma - Mass spectrometry for determining metal-low molecular weight compound complexes in natural wines. *Talanta*, **2019**, 195, 558-565	6.2	7
244	Development of a Reliable Method for Assessing Coca Alkaloids in Oral Fluid by HPLC-MS-MS. *Journal of Analytical Toxicology*, **2019**, 43, 196-202	2.9	2
243	Enzymatic hydrolysis as a sample pre-treatment for titanium dioxide nanoparticles assessment in surimi (crab sticks) by single particle ICP-MS. *Talanta*, **2019**, 195, 23-32	6.2	20
242	Polyphenol bioavailability in nuts and seeds by an in vitro dialyzability approach. *Food Chemistry*, **2018**, 254, 20-25	8.5	23
241	Development and application of molecularly imprinted polymer - Mn-doped ZnS quantum dot fluorescent optosensing for cocaine screening in oral fluid and serum. *Talanta*, **2018**, 181, 232-238	6.2	27
240	Development of dried serum spot sampling techniques for the assessment of trace elements in serum samples by LA-ICP-MS. *Talanta*, **2018**, 186, 169-175	6.2	12
239	Development of a micro-solid-phase extraction molecularly imprinted polymer technique for synthetic cannabinoids assessment in urine followed by liquid chromatography-tandem mass spectrometry. *Journal of Chromatography A*, **2018**, 1550, 8-20	4.5	30
238	Ultrasound assisted enzymatic hydrolysis for isolating titanium dioxide nanoparticles from bivalve mollusk before sp-ICP-MS. *Analytica Chimica Acta*, **2018**, 1018, 16-25	6.6	19
237	MIPs as a Versatile Tool for Micro-Solid-Phase Extraction and Probe Sensing. *Current Chemical Biology*, **2018**, 12, 114-134	0.4	6
236	Evaluation of a cloud point extraction method for the preconcentration and quantification of silver nanoparticles in water samples by ETAAS. *International Journal of Environmental Analytical Chemistry*, **2018**, 98, 1434-1447	1.8	5
235	In vitro human bioavailability of major, trace and ultra-trace elements in Chilean natural wines from Itata Valley. *Food and Function*, **2018**, 9, 5381-5389	6.1	4

234	A gas chromatographic study of the conjugated linoleic acid and other fatty acid contents of raw milk samples from Galicia (NW Spain). *International Journal of Dairy Technology*, **2018**, 71, 997-1004	3.7	
233	In vivo and in vitro testing for selenium and selenium compounds bioavailability assessment in foodstuff. *Critical Reviews in Food Science and Nutrition*, **2017**, 57, 805-833	11.5	40
232	Solid phase extraction using molecular imprinted polymers for phthalate determination in water and wine samples by HPLC-ESI-MS. *Microchemical Journal*, **2017**, 132, 233-237	4.8	50
231	Simultaneous determination and speciation analysis of arsenic and chromium in iron supplements used for iron-deficiency anemia treatment by HPLC-ICP-MS. *Talanta*, **2017**, 170, 523-529	6.2	43
230	Laser ablation inductively coupled plasma mass spectrometry for multi-elemental determination in dried blood spots. *Journal of Analytical Atomic Spectrometry*, **2017**, 32, 1500-1507	3.7	13
229	Evaluation of Iodine Bioavailability in Seaweed Using in Vitro Methods. *Journal of Agricultural and Food Chemistry*, **2017**, 65, 8435-8442	5.7	21
228	Cannabinoids assessment in plasma and urine by high performance liquid chromatography-tandem mass spectrometry after molecularly imprinted polymer microsolid-phase extraction. *Analytical and Bioanalytical Chemistry*, **2017**, 409, 1207-1220	4.4	32
227	Spectrometric-based techniques for metal-binding protein assessment in clinical, environmental, and food samples. *Applied Spectroscopy Reviews*, **2017**, 52, 145-174	4.5	10
226	Synthesis and characterization of novel molecularly imprinted polymer - coated Mn-doped ZnS quantum dots for specific fluorescent recognition of cocaine. *Biosensors and Bioelectronics*, **2016**, 75, 213-21	11.8	70
225	Arsenic and As Species **2016**, 173-235		2
224	Solid phase microextraction and gas chromatography-mass spectrometry methods for residual solvent assessment in seized cocaine and heroin. *Analytical and Bioanalytical Chemistry*, **2016**, 408, 6393-402	4.4	2
223	Development of magnetic molecularly imprinted polymers for solid phase extraction of cocaine and metabolites in urine before high performance liquid chromatography - tandem mass spectrometry. *Talanta*, **2016**, 147, 641-9	6.2	47
222	Zinc-mediated diastereoselective assembly of a trinuclear circular helicate. *RSC Advances*, **2016**, 6, 21228-21234	3.7	1
221	Simple and Sensitive Molecularly Imprinted Polymer - Mn-Doped ZnS Quantum Dots Based Fluorescence Probe for Cocaine and Metabolites Determination in Urine. *Analytical Chemistry*, **2016**, 88, 2734-41	7.8	53
220	Dissolved proteins characterization and speciation studies of metal-protein complexes in marine sediment pore water. *Microchemical Journal*, **2016**, 124, 804-810	4.8	1
219	Determination of Mercury in Wastewater Using a Molecularly Imprinted Polymer as Solid Phase Extraction Sorbent and CV-ICP-OES. *Atomic Spectroscopy*, **2016**, 37, 238-243	2.8	7
218	Evaluation of number concentration quantification by single-particle inductively coupled plasma mass spectrometry: microsecond vs. millisecond dwell times. *Analytical and Bioanalytical Chemistry*, **2016**, 408, 5089-97	4.4	56
217	Determination of cocaine and its metabolites in plasma by porous membrane-protected molecularly imprinted polymer micro-solid-phase extraction and liquid chromatography-tandem mass spectrometry. *Journal of Chromatography A*, **2016**, 1451, 15-22	4.5	37

216	Bioavailability assessment of essential and toxic metals in edible nuts and seeds. *Food Chemistry*, **2016**, 205, 146-54	8.5	41
215	Magnetic molecularly imprinted polymer based micro-solid phase extraction of cocaine and metabolites in plasma followed by high performance liquid chromatography tandem mass spectrometry. *Microchemical Journal*, **2016**, 127, 206-212	4.8	19
214	Determination of sulfur in bovine serum albumin and l -cysteine using high-resolution continuum source molecular absorption spectrometry of the CS molecule. *Spectrochimica Acta, Part B: Atomic Spectroscopy*, **2016**, 122, 188-191	3.1	3
213	Synthesis of an imprinted polymer for the determination of methylmercury in marine products. *Talanta*, **2015**, 144, 636-41	6.2	14
212	Developments on matrix-assisted laser desorption/ionization time-of-flight mass spectrometry for identifying dissolved and particulate proteins in seawater after two-dimensional sodium dodecyl sulfate polyacrylamide gel electrophoresis. *Microchemical Journal*, **2015**, 122, 50-56	4.8	1
211	A fast and simple method to perform cyanide detection using ATP stabilized gold nanoparticles combined with the Cu(DDTC)2 complex. *Analytical Methods*, **2015**, 7, 4308-4314	3.2	3
210	Porous membrane-protected molecularly imprinted polymer micro-solid-phase extraction for analysis of urinary cocaine and its metabolites using liquid chromatography - Tandem mass spectrometry. *Analytica Chimica Acta*, **2015**, 898, 50-9	6.6	50
209	Use of High-Resolution Continuum Source Flame Atomic Absorption Spectrometry (HR-CS FAAS) for Sequential Multi-Element Determination of Metals in Seawater and Wastewater Samples. *Journal of Applied Spectroscopy*, **2015**, 82, 681-686	0.7	8
208	Consensus document on the prevention of methylmercury exposure in Spain: Study group for the prevention of Me-Hg exposure in Spain (GEPREM-Hg). *Journal of Trace Elements in Medicine and Biology*, **2015**, 32, 122-34	4.1	2
207	Evaluation of offgel electrophoresis, electrothermal atomic absorption spectroscopy and inductively coupled plasma optical emission spectroscopy for trace metal analysis in marine plankton protein. *Microchemical Journal*, **2015**, 119, 51-57	4.8	4
206	Application of High Resolution-Continuum Source Flame Atomic Absorption Spectrometry (HR-CS FAAS): determination of trace elements in tea and tisanes. *Food Chemistry*, **2015**, 170, 492-500	8.5	28
205	Variation of food mineral content during industrial and culinary processing **2015**, 163-176		2
204	Human milk **2015**, 725-747		1
203	Mercury speciation in seawater by liquid chromatography-inductively coupled plasma-mass spectrometry following solid phase extraction pre-concentration by using an ionic imprinted polymer based on methyl-mercury-phenobarbital interaction. *Journal of Chromatography A*, **2015**,	4.5	37
202	An Environmentally Friendly Method for As, Cd, Cr, Cu, Ni, and Pb Determination in Terrestrial Moss Samples Using Ultrasonic Slurry Sampling Combined with Electrothermal Atomic Absorption Spectrometry. *Atomic Spectroscopy*, **2015**, 36, 42-48	2.8	4
201	Influence of Surfactant and Ionic Liquid Media on Vapor Generation and Determination of Ag, Au, Cd, Cu, Ni, Sn, and Zn Using ICP-OES. *Atomic Spectroscopy*, **2015**, 36, 63-73	2.8	2
200	Ionic imprinted polymer based solid phase extraction for cadmium and lead pre-concentration/determination in seafood. *Microchemical Journal*, **2014**, 114, 106-110	4.8	58
199	A review on preparative and semi-preparative offgel electrophoresis for multidimensional protein/peptide assessment. *Analytica Chimica Acta*, **2014**, 836, 1-17	6.6	25

198	Rapid and selective determination of osmium(IV) by UV-visible spectrophotometry using o-methylphenyl thiourea as a chromogenic chelating ligand: sequential separation of osmium(IV), rhodium(III) and platinum(IV). *International Journal of Environmental Analytical Chemistry*, **2014**, 94, 463-478	1.8	1
197	Functionalized gold nanoparticles for the detection of arsenic in water. *Talanta*, **2014**, 118, 262-9	6.2	76
196	An improved method for the determination of Δ9-tetrahydrocannabinol, cannabinol and cannabidiol in hair by liquid chromatography–tandem mass spectrometry. *Microchemical Journal*, **2014**, 117, 7-17	4.8	14
195	Speciation of iodine-containing proteins in Nori seaweed by gel electrophoresis laser ablation ICP-MS. *Talanta*, **2014**, 127, 175-80	6.2	18
194	Use of DDTC or O-phenanthroline as Reaction Media Modifiers for the Simultaneous Determination of Au, Cd, Cu, Ni, Sn, and Zn by VG-ICP-OES. *Atomic Spectroscopy*, **2014**, 35, 7-16	2.8	5
193	Direct tandem mass spectrometry for the simultaneous assay of opioids, cocaine and metabolites in dried urine spots. *Analytica Chimica Acta*, **2013**, 784, 25-32	6.6	30
192	Simultaneous determination of cocaine and opiates in dried blood spots by electrospray ionization tandem mass spectrometry. *Talanta*, **2013**, 117, 235-41	6.2	27
191	Assessment of metals bound to marine plankton proteins and to dissolved proteins in seawater. *Analytica Chimica Acta*, **2013**, 804, 59-65	6.6	7
190	In vitro bioavailability of total selenium and selenium species from seafood. *Food Chemistry*, **2013**, 139, 872-7	8.5	27
189	Study of extraction procedures for protein analysis in plankton samples by OFFGEL electrophoresis hyphenated with Lab-on-a-chip technology. *Talanta*, **2013**, 115, 631-41	6.2	11
188	Matrix solid phase dispersion assisted enzymatic hydrolysis as a novel approach for cocaine and opiates isolation from human hair. *Journal of Chromatography A*, **2013**, 1316, 15-22	4.5	12
187	Ultrasound-assisted enzymatic hydrolysis for iodinated amino acid extraction from edible seaweed before reversed-phase high performance liquid chromatography-inductively coupled plasma-mass spectrometry. *Journal of Chromatography A*, **2013**, 1309, 33-40	4.5	34
186	Evaluation of tangential flow ultrafiltration procedures to assess trace metals bound to marine dissolved organic matter. *Microchemical Journal*, **2013**, 110, 501-509	4.8	2
185	Study of cooking on the bioavailability of As, Co, Cr, Cu, Fe, Ni, Se and Zn from edible seaweed. *Microchemical Journal*, **2013**, 108, 92-99	4.8	42
184	Size exclusion and anion exchange high performance liquid chromatography for characterizing metals bound to marine dissolved organic matter. *Analytica Chimica Acta*, **2013**, 760, 83-92	6.6	13
183	Two-dimensional isoelectric focusing OFFGEL and microfluidic lab-on-chip electrophoresis for assessing dissolved proteins in seawater. *Analytical Chemistry*, **2013**, 85, 5909-16	7.8	10
182	ICP-MS for the determination of selenium bioavailability from seafood and effect of major food constituents. *Microchemical Journal*, **2013**, 108, 174-179	4.8	11
181	Multi-walled carbon nanotubes Solid phase extraction for isolating marine dissolved organic matter before characterization by size exclusion chromatography. *Microchemical Journal*, **2012**, 102, 75-82	4.8	14

180	Analytical performance of a lab-made concomitant metal analyzer to generate volatile species of Ag, Au, Cd, Cu, Ni, Sn and Zn using 8-hydroxyquinoline as a reaction media. *Talanta*, **2012**, 100, 45-50	6.2	13
179	Speciation of the bio-available iodine and bromine forms in edible seaweed by high performance liquid chromatography hyphenated with inductively coupled plasma-mass spectrometry. *Analytica Chimica Acta*, **2012**, 745, 24-32	6.6	36
178	Comparison of two lab-made spray chambers based on MSIS for simultaneous metal determination using vapor generation-inductively coupled plasma optical emission spectroscopy. *Analytica Chimica Acta*, **2012**, 749, 36-43	6.6	13
177	Atomic Spectrometric Techniques for the Analysis of Clinical Samples **2012**, 319-366		
176	Effect of the cooking procedure on the arsenic speciation in the bioavailable (dialyzable) fraction from seaweed. *Microchemical Journal*, **2012**, 105, 65-71	4.8	27
175	Two-dimensional HPLC coupled to ICP-MS and electrospray ionisation (ESI)-MS/MS for investigating the bioavailability in vitro of arsenic species from edible seaweed. *Analytical and Bioanalytical Chemistry*, **2012**, 402, 3359-69	4.4	29
174	Development of anion-exchange/reversed-phase high performance liquid chromatography-inductively coupled plasma-mass spectrometry methods for the speciation of bio-available iodine and bromine from edible seaweed. *Journal of Chromatography A*, **2012**, 1236, 164-76	4.5	36
173	Assessment of the bioavailability of toxic and non-toxic arsenic species in seafood samples. *Food Chemistry*, **2012**, 130, 552-560	8.5	51
172	Trace metals in marine foodstuff: Bioavailability estimation and effect of major food constituents. *Food Chemistry*, **2012**, 134, 339-345	8.5	45
171	Preliminary findings on the antimony levels of Quiroga river water in the vicinity of a long-abandoned stibnite mine. *Water Environment Research*, **2012**, 84, 150-4	2.8	
170	Significance of the Presence of Trace and Ultratrace Elements in Seaweeds **2011**, 116-170		4
169	In Vivo and In Vitro Studies of Seaweed Compounds **2011**, 348-355		
168	Application of Seaweeds in the Food Industry **2011**, 522-531		3
167	A review on iodine speciation for environmental, biological and nutrition fields. *Journal of Analytical Atomic Spectrometry*, **2011**, 26, 2107	3.7	77
166	Electrospray ionization tandem mass spectrometry for the simultaneous determination of opiates and cocaine in human hair. *Analytica Chimica Acta*, **2011**, 704, 123-32	6.6	26
165	Matrix solid phase dispersion-assisted BCR sequential extraction method for metal partitioning in surface estuarine sediments. *Talanta*, **2011**, 83, 840-9	6.2	23
164	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. *Journal of Chromatography A*, **2011**, 1218, 6970-80	4.5	37
163	Bioavailability study using an in-vitro method of iodine and bromine in edible seaweed. *Food Chemistry*, **2011**, 124, 1747-1752	8.5	65

162	Use of an in vitro digestion method to evaluate the bioaccessibility of arsenic in edible seaweed by inductively coupled plasma-mass spectrometry. *Microchemical Journal*, **2011**, 98, 91-96	4.8	39
161	Presence of phthalates in contact lens and cleaning solutions. *Microchemical Journal*, **2011**, 99, 108-113	4.8	14
160	Blood lead and cadmium levels in a six hospital employee population. PESA study, 2009. *Journal of Trace Elements in Medicine and Biology*, **2011**, 25 Suppl 1, S22-9	4.1	27
159	Trace metals distribution in surface and deep seawater from the R□ de Arousa estuary (north-western Spain). *Microchemical Journal*, **2011**, 97, 122-130	4.8	9
158	Direct LC-ES-MS/MS determination of phthalates in physiological saline solutions. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2011**, 879, 231-5	3.2	5
157	In-vivo and in-vitro testing to assess the bioaccessibility and the bioavailability of arsenic, selenium and mercury species in food samples. *TrAC - Trends in Analytical Chemistry*, **2011**, 30, 324-345	14.6	127
156	Direct Speciation Analysis of Sb(III) and Sb(V) Based on Their Different Sensitivities for GFAAS. *Spectroscopy Letters*, **2011**, 44, 17-21	1.1	1
155	Evaluation of Direct Determination of Mercury in Whole Human Blood Using a Mercury Analyzer. *Atomic Spectroscopy*, **2011**, 32, 102-106	2.8	2
154	Selective Determination of V(IV) and V(V) in Seawater by Solid Phase Extraction and Electrothermal Atomic Absorption Spectrometry. *Atomic Spectroscopy*, **2011**, 32, 234-239	2.8	5
153	Estuarine sediment quality assessment by Fourier-transform infrared spectroscopy. *Vibrational Spectroscopy*, **2010**, 53, 204-213	2.1	16
152	Evaluation of an in vitro method to estimate trace elements bioavailability in edible seaweeds. *Talanta*, **2010**, 82, 1668-73	6.2	40
151	Characterization of edible seaweed harvested on the Galician coast (northwestern Spain) using pattern recognition techniques and major and trace element data. *Journal of Agricultural and Food Chemistry*, **2010**, 58, 1986-92	5.7	19
150	Phthalates determination in pharmaceutical formulae used in parenteral nutrition by LC-ES-MS: importance in public health. *Analytical and Bioanalytical Chemistry*, **2010**, 397, 529-35	4.4	17
149	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. *Analytica Chimica Acta*, **2010**, 679, 63-73	6.6	40
148	Matrix solid-phase dispersion on column clean-up/pre-concentration as a novel approach for fast isolation of abuse drugs from human hair. *Journal of Chromatography A*, **2010**, 1217, 6342-9	4.5	31
147	Preconcentration and Determination of Traces of Strontium in Natural Waters by Ion-Exchange and Flame Atomic Absorption Spectrometry. *Bulletin Des Soci□ Chimiques Belges*, **2010**, 101, 473-478		1
146	Estuarine increase of chromium surface sediments: Distribution, transport and time evolution. *Microchemical Journal*, **2010**, 96, 362-370	4.8	7
145	Alternative Solid Sample Pretreatment Methods in Green Analytical Atomic Spectrometry. *Spectroscopy Letters*, **2009**, 42, 394-417	1.1	11

144	On-line ionic imprinted polymer selective solid-phase extraction of nickel and lead from seawater and their determination by inductively coupled plasma-optical emission spectrometry. *Analytical and Bioanalytical Chemistry*, **2009**, 395, 1107-15	4.4	31
143	Ionic imprinted polymer for nickel recognition by using the bi-functionalized 5-vinyl-8-hydroxyquinoline as a monomer: Application as a new solid phase extraction support. *Microchemical Journal*, **2009**, 93, 225-231	4.8	59
142	Matrix solid-phase dispersion of organic compounds and its feasibility for extracting inorganic and organometallic compounds. *TrAC - Trends in Analytical Chemistry*, **2009**, 28, 110-116	14.6	25
141	Use of high resolution continuum source atomic absorption spectrometry as a detector for chemically generated noble and transition metal vapors. *Spectrochimica Acta, Part B: Atomic Spectroscopy*, **2009**, 64, 659-665	3.1	16
140	Inductively coupled plasma-optical emission spectrometry/mass spectrometry for the determination of Cu, Ni, Pb and Zn in seawater after ionic imprinted polymer based solid phase extraction. *Talanta*, **2009**, 79, 723-9	6.2	108
139	Microwave assisted extraction of iodine and bromine from edible seaweed for inductively coupled plasma-mass spectrometry determination. *Talanta*, **2009**, 79, 947-52	6.2	60
138	Determinaci□ de plomo y cadmio en sangre y su relaci□ con fuentes de exposici□. Estudio PESA, 2008. *Revista Del Laboratorio Cl□nico*, **2009**, 2, 115-123	0	1
137	Characterization of raft mussels according to total trace elements and trace elements bound to metallothionein-like proteins. *Journal of Environmental Monitoring*, **2009**, 11, 1389-96		2
136	Matrix solid-phase dispersion as a sample pretreatment for the speciation of arsenic in seafood products. *Analytical Chemistry*, **2008**, 80, 9272-8	7.8	41
135	Phthalates determination in physiological saline solutions by HPLC-ES-MS. *Talanta*, **2008**, 75, 1184-9	6.2	35
134	Characterization of estuarine sediments by near infrared diffuse reflectance spectroscopy. *Analytica Chimica Acta*, **2008**, 624, 113-27	6.6	24
133	Screening of humic and fulvic acids in estuarine sediments by near-infrared spectrometry. *Analytical and Bioanalytical Chemistry*, **2008**, 392, 541-9	4.4	11
132	Study of a microwave digestion method for total arsenic determination in marine mussels by electrothermal atomic absorption spectrometry: application to samples from the Ria de Arousa. *European Food Research and Technology*, **2008**, 227, 1165-1172	3.4	2
131	Synthesis, characterization and evaluation of ionic-imprinted polymers for solid-phase extraction of nickel from seawater. *Analytica Chimica Acta*, **2008**, 630, 1-9	6.6	66
130	Preliminary results of a quick, simple method of detecting antimony in water samples. *Open Chemistry*, **2008**, 6, 520-525	1.6	
129	PREPARATORY STUDIES FOR THE IMPLEMENTATION OF NORM UNE 66020-1:2001 (OR NORM ISO 2859-1:1999) IN A CANNED MARINE FOOD FACTORY. *Journal of Food Processing and Preservation*, **2008**, 32, 571-585	2.1	1
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