Antonio Moreda-Pieiro

List of Publications by Year in Descending Order

176 papers	3,983 citations	35 h-index	50 g-index
179 ext. papers	4,341 ext. citations	5.6 avg, IF	5.56 L-index

#	Paper	IF	Citations
176	Metal Content in Textile and (Nano)Textile Products.. *International Journal of Environmental Research and Public Health*, **2022**, 19,	4.6	1
175	Dietary exposure of zinc oxide nanoparticles (ZnO-NPs) from canned seafood by single particle ICP-MS: Balancing of risks and benefits for human health.. *Ecotoxicology and Environmental Safety*, **2022**, 231, 113217	7	4
174	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
173	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
172	Titanium dioxide nanoparticles assessment in seaweeds by single particle inductively coupled plasma - Mass spectrometry. *Talanta*, **2022**, 236, 122856	6.2	0
171	Smart Materials for Mercury and Arsenic Determination in Food and Beverages. *Microchemical Journal*, **2022**, 107472	4.8	0
170	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	
169	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
168	Trace elements in dried blood spots as potential discriminating features for metabolic disorder diagnosis in newborns. *Metallomics*, **2021**, 13,	4.5	1
167	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
166	Sample Preparation in Foodomics. Combination of Assisted-Extraction Techniques to the Comprehensive Foodomics **2021**, 581-608		1
165	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
164	Molecularly Imprinted Polymer for a Smart Dispersive Micro-Solid Phase Extraction Technique for Assessing Trace Level Aflatoxins in Cultured Fish. *Methods in Molecular Biology*, **2021**, 2359, 141-152	1.4	
163	Molecularly Imprinted Polymers for Dispersive (Micro)Solid Phase Extraction: A Review. *Separations* , **2021**, 8, 99	3.1	3
162	AF4-UV-ICP-MS for detection and quantification of silver nanoparticles in seafood after enzymatic hydrolysis. *Talanta*, **2021**, 232, 122504	6.2	4
161	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
160	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

159	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
158	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
157	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
156	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
155	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
154	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
153	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
152	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
151	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
150	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
149	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
148	Silver nanoparticles assessment in moisturizing creams by ultrasound assisted extraction followed by sp-ICP-MS. *Talanta*, **2019**, 197, 530-538	6.2	11
147	Combined assisted extraction techniques as green sample pre-treatments in food analysis. *TrAC - Trends in Analytical Chemistry*, **2019**, 118, 1-18	14.6	22
146	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
145	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
144	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
143	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
142	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

141	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
140	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
139	Polyphenol bioavailability in nuts and seeds by an in vitro dialyzability approach. *Food Chemistry*, **2018**, 254, 20-25	8.5	23
138	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
137	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
136	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
135	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
134	MIPs as a Versatile Tool for Micro-Solid-Phase Extraction and Probe Sensing. *Current Chemical Biology*, **2018**, 12, 114-134	0.4	6
133	In vitro human bioavailability of major, trace and ultra-trace elements in Chilean TnaturalTwines from Itata Valley. *Food and Function*, **2018**, 9, 5381-5389	6.1	4
132	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
131	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
130	Recent Advances in the Combination of Assisted Extraction Techniques. *Comprehensive Analytical Chemistry*, **2017**, 76, 519-573	1.9	4
129	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
128	Spectrometric-based techniques for metal-binding protein assessment in clinical, environmental, and food samples. *Applied Spectroscopy Reviews*, **2017**, 52, 145-174	4.5	10
127	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
126	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
125	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
124	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

123	Dissolved proteins characterization and speciation studies of metal-protein complexes in marine sediment pore water. *Microchemical Journal*, **2016**, 124, 804-810	4.8	1
122	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
121	Bioavailability assessment of essential and toxic metals in edible nuts and seeds. *Food Chemistry*, **2016**, 205, 146-54	8.5	41
120	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
119	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
118	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
117	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
116	Recent advances in combining microextraction techniques for sample pre-treatment. *TrAC - Trends in Analytical Chemistry*, **2015**, 71, 265-274	14.6	44
115	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**, 1391, 9-17	4.5	37
114	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
113	A review on preparative and semi-preparative offgel electrophoresis for multidimensional protein/peptide assessment. *Analytica Chimica Acta*, **2014**, 836, 1-17	6.6	25
112	An improved method for the determination of -tetrahydrocannabinol, cannabinol and cannabidiol in hair by liquid chromatography tandem mass spectrometry. *Microchemical Journal*, **2014**, 117, 7-17	4.8	14
111	Speciation of iodine-containing proteins in Nori seaweed by gel electrophoresis laser ablation ICP-MS. *Talanta*, **2014**, 127, 175-80	6.2	18
110	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
109	Simultaneous determination of cocaine and opiates in dried blood spots by electrospray ionization tandem mass spectrometry. *Talanta*, **2013**, 117, 235-41	6.2	27
108	Assessment of metals bound to marine plankton proteins and to dissolved proteins in seawater. *Analytica Chimica Acta*, **2013**, 804, 59-65	6.6	7
107	In vitro bioavailability of total selenium and selenium species from seafood. *Food Chemistry*, **2013**, 139, 872-7	8.5	27
106	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

105	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
104	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
103	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
102	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
101	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
100	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
99	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
98	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
97	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
96	Use of pressurized hot water extraction and high performance liquid chromatography-inductively coupled plasma-mass spectrometry for water soluble halides speciation in atmospheric particulate matter. *Talanta*, **2012**, 101, 283-91	6.2	11
95	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
94	Assessment of the bioavailability of toxic and non-toxic arsenic species in seafood samples. *Food Chemistry*, **2012**, 130, 552-560	8.5	51
93	Trace metals in marine foodstuff: Bioavailability estimation and effect of major food constituents. *Food Chemistry*, **2012**, 134, 339-345	8.5	45
92	Significance of the Presence of Trace and Ultratrace Elements in Seaweeds **2011**, 116-170		4
91	A review on iodine speciation for environmental, biological and nutrition fields. *Journal of Analytical Atomic Spectrometry*, **2011**, 26, 2107	3.7	77
90	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
89	Matrix solid phase dispersion-assisted BCR sequential extraction method for metal partitioning in surface estuarine sediments. *Talanta*, **2011**, 83, 840-9	6.2	23
88	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

87	Bioavailability study using an in-vitro method of iodine and bromine in edible seaweed. *Food Chemistry*, **2011**, 124, 1747-1752	8.5	65
86	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
85	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
84	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
83	Estuarine sediment quality assessment by Fourier-transform infrared spectroscopy. *Vibrational Spectroscopy*, **2010**, 53, 204-213	2.1	16
82	Evaluation of an in vitro method to estimate trace elements bioavailability in edible seaweeds. *Talanta*, **2010**, 82, 1668-73	6.2	40
81	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
80	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
79	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
78	Alternative Solid Sample Pretreatment Methods in Green Analytical Atomic Spectrometry. *Spectroscopy Letters*, **2009**, 42, 394-417	1.1	11
77	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
76	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
75	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
74	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
73	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
72	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
71	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
70	Screening of humic and fulvic acids in estuarine sediments by near-infrared spectrometry. *Analytical and Bioanalytical Chemistry*, **2008**, 392, 541-9	4.4	11

69	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
68	On-line preconcentration cold vapour atomic absorption spectrometry for the determination of trace mercury in edible seaweeds. *Journal of Analytical Atomic Spectrometry*, **2007**, 22, 573-577	3.7	16
67	Use of chelating solvent-based pressurized liquid extraction combined with inductively coupled plasma-optical emission spectrometry for trace element determination in atmospheric particulate matter. *Journal of Analytical Atomic Spectrometry*, **2007**, 22, 1089	3.7	6
66	Feasibility of pressurization to speed up enzymatic hydrolysis of biological materials for multielement determinations. *Analytical Chemistry*, **2007**, 79, 1797-805	7.8	13
65	Improvements on enzymatic hydrolysis of human hair for illicit drug determination by gas chromatography/mass spectrometry. *Analytical Chemistry*, **2007**, 79, 8564-70	7.8	30
64	Direct determination of copper, lead and cadmium in aniseed spirits by electrothermal atomic absorption spectrometry. *Food Chemistry*, **2007**, 101, 1296-1304	8.5	35
63	Development of a new sample pre-treatment procedure based on pressurized liquid extraction for the determination of metals in edible seaweed. *Analytica Chimica Acta*, **2007**, 598, 95-102	6.6	32
62	Pressurized liquid extraction-assisted mussel cytosol preparation for the determination of metals bound to metallothionein-like proteins. *Analytica Chimica Acta*, **2007**, 603, 36-43	6.6	6
61	Determination of major and trace elements in human scalp hair by pressurized-liquid extraction with acetic acid and inductively coupled plasma-optical-emission spectrometry. *Analytical and Bioanalytical Chemistry*, **2007**, 388, 441-9	4.4	30
60	Application of microwave energy to speed up the alkaline extraction of humic and fulvic acids from marine sediments. *Analytica Chimica Acta*, **2007**, 602, 202-10	6.6	16
59	Fractionation metallothionein-like proteins in mussels with on line metal detection by high performance liquid chromatography-inductively coupled plasma-optical emission spectrometry. *Talanta*, **2007**, 71, 1580-6	6.2	23
58	Multi-element determination in raft mussels by fast microwave-assisted acid leaching and inductively coupled plasma-optical emission spectrometry. *Talanta*, **2007**, 72, 1178-85	6.2	16
57	Concentrations of iodide and total iodine in edible seaweeds harvested on the Galician coast (Northwest Spain). *Botanica Marina*, **2007**, 50,	1.8	8
56	Characterization of surface marine sediments from Ría de Arousa estuary according to extractable humic matter content. *Chemosphere*, **2006**, 64, 866-73	8.4	19
55	Chemometric investigation of systematic error in the analysis of biological materials by flame and electrothermal atomic absorption spectrometry. *Analytica Chimica Acta*, **2006**, 560, 143-152	6.6	7
54	Pressurized liquid extraction as a novel sample pre-treatment for trace element leaching from biological material. *Analytica Chimica Acta*, **2006**, 572, 172-9	6.6	22
53	As, Cd, Cr, Ni and Pb pressurized liquid extraction with acetic acid from marine sediment and soil samples. *Spectrochimica Acta, Part B: Atomic Spectroscopy*, **2006**, 61, 1304-1309	3.1	12
52	Pressurized liquid extraction of organometals and its feasibility for total metal extraction. *TrAC - Trends in Analytical Chemistry*, **2006**, 25, 511-519	14.6	33

51	Ultrasound-assisted solvent extraction of total polycyclic aromatic hydrocarbons from mussels followed by spectrofluorimetric determination. *Talanta*, **2005**, 66, 683-90	6.2	25
50	Application of ultrasound-assisted acid leaching procedures for major and trace elements determination in edible seaweed by inductively coupled plasma-optical emission spectrometry. *Talanta*, **2005**, 66, 937-42	6.2	32
49	Evaluation of commercial C18 cartridges for trace elements solid phase extraction from seawater followed by inductively coupled plasma-optical emission spectrometry determination. *Analytica Chimica Acta*, **2005**, 536, 213-218	6.6	126
48	Microwave-assisted alkaline digestion combined with microwave-assisted distillation for the determination of iodide and total iodine in edible seaweed by catalytic spectrophotometry. *Analytica Chimica Acta*, **2005**, 542, 287-295	6.6	35
47	Speeding up enzymatic hydrolysis procedures for the multi-element determination in edible seaweed. *Analytica Chimica Acta*, **2005**, 548, 183-191	6.6	30
46	New trends involving the use of ultrasound energy for the extraction of humic substances from marine sediments. *Analytica Chimica Acta*, **2004**, 524, 97-107	6.6	19
45	Ultrasound bath-assisted enzymatic hydrolysis procedures as sample pretreatment for the multielement determination in mussels by inductively coupled plasma atomic emission spectrometry. *Analytical Chemistry*, **2004**, 76, 3541-7	7.8	40
44	Use of enzymatic hydrolysis for the multi-element determination in mussel soft tissue by inductively coupled plasma-atomic emission spectrometry. *Talanta*, **2004**, 64, 671-81	6.2	21
43	The classification of tea according to region of origin using pattern recognition techniques and trace metal data. *Journal of Food Composition and Analysis*, **2003**, 16, 195-211	4.1	168
42	Gas chromatographic-mass spectrometric analysis of residual solvent trapped into illicit cocaine exhibits using head-space solid-phase microextraction. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2002**, 772, 249-56	3.2	25
41	Study of ammonium molybdate to minimize the phosphate interference in the selenium determination by electrothermal atomic absorption spectrometry with deuterium background correction. *Spectrochimica Acta, Part B: Atomic Spectroscopy*, **2002**, 57, 327-337	3.1	8
40	Multivariate optimization of solvent extraction with 1,1,1-trifluoroacetylacetonates for the determination of total and labile Cu and Fe in river surface water by flame atomic absorption spectrometry. *Spectrochimica Acta, Part B: Atomic Spectroscopy*, **2002**, 57, 1951-1966	3.1	12
39	Application of multivariate methods to scalp hair metal data to distinguish between drug-free subjects and drug abusers. *Analytica Chimica Acta*, **2002**, 455, 253-265	6.6	16
38	Optimization of a multielement sequential extraction method employing an experimental design approach for metal partitioning in soils and sediments. *Journal of Environmental Monitoring*, **2002**, 4, 330-6		15
37	Sample pre-treatment methods for the trace elements determination in seafood products by atomic absorption spectrometry. *Talanta*, **2002**, 57, 969-84	6.2	33
36	The multivariate optimisation of ultrasonic bath-induced acid leaching for the determination of trace elements in seafood products by atomic absorption spectrometry. *Analytica Chimica Acta*, **2001**, 439, 211-227	6.6	47
35	Evaluation of the effect of data pre-treatment procedures on classical pattern recognition and principal components analysis: a case study for the geographical classification of tea. *Journal of Environmental Monitoring*, **2001**, 3, 352-60		39
34	Parallel factor analysis for the study of systematicerror in inductively coupled plasma atomic emission spectrometry and massspectrometry. *Journal of Analytical Atomic Spectrometry*, **2001**, 16, 360-369	3.7	5

33	Chemometrics approaches for the study of systematic error in inductively coupled plasma atomic emission spectrometry and mass spectrometry. *Journal of Analytical Atomic Spectrometry*, **2001**, 16, 350-359	3.7	7
32	Experimental designs in the optimisation of ultrasonic bath-acid-leaching procedures for the determination of trace elements in human hair samples by atomic absorption spectrometry. *Forensic Science International*, **2000**, 107, 105-20	2.6	36
31	Optimization of a microwave-pseudo-digestion procedure by experimental designs for the determination of trace elements in seafood products by atomic absorption spectrometry. *Spectrochimica Acta, Part B: Atomic Spectroscopy*, **2000**, 55, 1351-1371	3.1	22
30	Factorial designs for Cd, Cr, Hg, Pb and Se ultrasound-assisted acid leaching from human hair followed by atomic absorption spectrometric determination. *Journal of Analytical Atomic Spectrometry*, **2000**, 15, 121-130	3.7	27
29	Rapid acid leaching and slurry sampling procedures for the determination of methyl-mercury and total mercury in human hair by electrothermal atomic absorption spectrometry. *Analytica Chimica Acta*, **1999**, 398, 263-272	6.6	33
28	Usefulness of enzymatic hydrolysis procedures based on the use of pronase E as sample pre-treatment for multi-element determination in biological materials. *Journal of Analytical Atomic Spectrometry*, **1999**, 14, 1893-1900	3.7	26
27	A Study of Illicit Cocaine Seizure Classification by Pattern Recognition Techniques Applied to Metal Data. *Journal of Forensic Sciences*, **1999**, 44, 14451J	1.8	11
26	Direct trace determination of lead in estuarine water using in situ preconcentration of lead hydride on Ir, Zr and W-coated graphite tubes. *Analytica Chimica Acta*, **1998**, 368, 281-289	6.6	13
25	Selective medium reactions for the □arsenic(III)Ţ, □arsenic(V)Ţ, dimethylarsonic acid and monomethylarsonic acid determination in waters by hydride generation on-line electrothermal atomic absorption spectrometry with in situ preconcentration on Zr-coated graphite tubes. *Analytica Chimica Acta*, **1998**, 374, 231-240	6.6	37
24	Direct determination of arsenic in sea water by electrothermal atomization atomic absorption spectrometry using D2 and Zeeman background correction. *Mikrochimica Acta*, **1998**, 128, 215-221	5.8	6
23	Determination of traces of silver in human scalp hair slurries by electrothermal atomic absorption spectrometry. *Mikrochimica Acta*, **1998**, 129, 71-76	5.8	12
22	Chromium determination in sea water by electrothermal atomic absorption spectrometry using Zeeman effect background correction and a multi-injection technique. *Freseniusr Journal of Analytical Chemistry*, **1998**, 360, 208-212		8
21	Acid predigestion as a slurry pretreatment for the determination of Ca, Cu, K, Mg, Na and Zn in human scalp hair by flame atomic absorption/emission spectrometry with a high-performance nebulizer. *Freseniusr Journal of Analytical Chemistry*, **1998**, 360, 707-711		9
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