

Joanna Szpunar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5097865/publications.pdf>

Version: 2024-02-01

141
papers

7,328
citations

30070
54
h-index

62596
80
g-index

142
all docs

142
docs citations

142
times ranked

4400
citing authors

#	ARTICLE	IF	CITATIONS
1	Speciation of metals in indigenous plants growing in post-mining areas: Dihydroxynicotianamine identified as the most abundant Cu and Zn ligand in <i>Hypericum laricifolium</i> . <i>Science of the Total Environment</i> , 2022, 809, 151090.	8.0	8
2	Community Leaders: Ramon M. Barnes. <i>Journal of Analytical Atomic Spectrometry</i> , 2022, 37, 697-700.	3.0	0
3	Long-Term Study of Antibiotic Presence in Ebro River Basin (Spain): Identification of the Emission Sources. <i>Water (Switzerland)</i> , 2022, 14, 1033.	2.7	9
4	Varied effect of fortification of kale sprouts with novel organic selenium compounds on the synthesis of sulphur and phenolic compounds in relation to cytotoxic, antioxidant and anti-inflammatory activity. <i>Microchemical Journal</i> , 2022, 179, 107509.	4.5	11
5	Speciation of essential nutrient trace elements in coconut water. <i>Food Chemistry</i> , 2021, 339, 127680.	8.2	20
6	Heavy metal contents in soils and native flora inventory at mining environmental liabilities in the Peruvian Andes. <i>Journal of South American Earth Sciences</i> , 2021, 106, 103107.	1.4	10
7	Methylselenol Produced In Vivo from Methylseleninic Acid or Dimethyl Diselenide Induces Toxic Protein Aggregation in <i>Saccharomyces cerevisiae</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 2241.	4.1	4
8	Speciation Analysis of Gadolinium in the Water-Insoluble Rat Brain Fraction After Administration of Gadolinium-Based Contrast Agents. <i>Investigative Radiology</i> , 2021, 56, 535-544.	6.2	9
9	Characterization and Quantification of Selenoprotein P: Challenges to Mass Spectrometry. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6283.	4.1	14
10	Resolving Severe Elemental Isobaric Interferences with a Combined Atomic and Molecular Ionization Source—Orbitrap Mass Spectrometry Approach: The ^{87}Sr and ^{87}Rb Geochronology Pair. <i>Analytical Chemistry</i> , 2021, 93, 11506-11514.	6.5	7
11	Accumulation of As, Ag, Cd, Cu, Pb, and Zn by Native Plants Growing in Soils Contaminated by Mining Environmental Liabilities in the Peruvian Andes. <i>Plants</i> , 2021, 10, 241.	3.5	10
12	Investigation of the Occurrence of Cyanotoxins in Lake Karaoun (Lebanon) by Mass Spectrometry, Bioassays and Molecular Methods. <i>Toxins</i> , 2021, 13, 716.	3.4	4
13	Nanoplastic Labelling with Metal Probes: Analytical Strategies for Their Sensitive Detection and Quantification by ICP Mass Spectrometry. <i>Molecules</i> , 2021, 26, 7093.	3.8	14
14	An LC-MS/MS Method for a Comprehensive Determination of Metabolites of BTEX Anaerobic Degradation in Bacterial Cultures and Groundwater. <i>Water (Switzerland)</i> , 2020, 12, 1869.	2.7	12
15	Characterization of TiO ₂ NPs in Radish (<i>Raphanus sativus</i> L.) by Single-Particle ICP-QQQ-MS. <i>Frontiers in Environmental Science</i> , 2020, 8, .	3.3	30
16	A Novel Strategy for the Detection and Quantification of Nanoplastics by Single Particle Inductively Coupled Plasma Mass Spectrometry (ICP-MS). <i>Analytical Chemistry</i> , 2020, 92, 11664-11672.	6.5	84
17	Metabolic Response of the Yeast <i>Candida utilis</i> During Enrichment in Selenium. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5287.	4.1	26
18	To-Do and Not-To-Do in Model Studies of the Uptake, Fate and Metabolism of Metal-Containing Nanoparticles in Plants. <i>Nanomaterials</i> , 2020, 10, 1480.	4.1	15

#	ARTICLE	IF	CITATIONS
19	Potential of Fourier Transform Mass Spectrometry (Orbitrap and Ion Cyclotron Resonance) for Speciation of the Selenium Metabolome in Selenium-Rich Yeast. <i>Frontiers in Chemistry</i> , 2020, 8, 612387.	3.6	5
20	Nickel Nanoparticles Induce the Synthesis of a Tumor-Related Polypeptide in Human Epidermal Keratinocytes. <i>Nanomaterials</i> , 2020, 10, 992.	4.1	7
21	Towards the Removal of Antibiotics Detected in Wastewaters in the POCTEFA Territory: Occurrence and TiO ₂ Photocatalytic Pilot-Scale Plant Performance. <i>Water (Switzerland)</i> , 2020, 12, 1453.	2.7	23
22	Identification and determination of selenocysteine, selenosugar, and other selenometabolites in turkey liver. <i>Metallomics</i> , 2020, 12, 758-766.	2.4	14
23	Occurrence of Cerium-, Titanium-, and Silver-Bearing Nanoparticles in the Bes ² s and Ebro Rivers. <i>Environmental Science & Technology</i> , 2020, 54, 3969-3978.	10.0	39
24	<i>Paspalum urvillei</i> and <i>Setaria parviflora</i> , two grasses naturally adapted to extreme iron-rich environments. <i>Plant Physiology and Biochemistry</i> , 2020, 151, 144-156.	5.8	23
25	Long-Term Evaluation of Gadolinium Retention in Rat Brain After Single Injection of a Clinically Relevant Dose of Gadolinium-Based Contrast Agents. <i>Investigative Radiology</i> , 2020, 55, 138-143.	6.2	25
26	Does selenium fortification of kale and kohlrabi sprouts change significantly their biochemical and cytotoxic properties?. <i>Journal of Trace Elements in Medicine and Biology</i> , 2020, 59, 126466.	3.0	28
27	Selenized Plant Oil Is an Efficient Source of Selenium for Selenoprotein Biosynthesis in Human Cell Lines. <i>Nutrients</i> , 2019, 11, 1524.	4.1	7
28	A chemical speciation insight into the palladium(ii) uptake and metabolism by <i>Sinapis alba</i> . Exposure to Pd induces the synthesis of a Pd-histidine complex. <i>Metallomics</i> , 2019, 11, 1498-1505.	2.4	10
29	Processive Recoding and Metazoan Evolution of Selenoprotein: Up to 132 UGAs in Molluscs. <i>Journal of Molecular Biology</i> , 2019, 431, 4381-4407.	4.2	18
30	Elucidation of the fate of zinc in model plants using single particle ICP-MS and ESI tandem MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 683-693.	3.0	36
31	Direct screening of food packaging materials for post-polymerization residues, degradation products and additives by liquid extraction surface analysis nanoelectrospray mass spectrometry (LESA-nESI-MS). <i>Analytica Chimica Acta</i> , 2019, 1058, 117-126.	5.4	11
32	Uptake, translocation, size characterization and localization of cerium oxide nanoparticles in radish (<i>Raphanus sativus</i> L.). <i>Science of the Total Environment</i> , 2019, 683, 284-292.	8.0	56
33	Coupling of an atmospheric pressure microplasma ionization source with an Orbitrap Fusion Lumos Tribrid 1M mass analyzer for ultra-high resolution isotopic analysis of uranium. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 1387-1395.	3.0	18
34	Ultra-High Resolution Elemental/Isotopic Mass Spectrometry (m/\bar{r} > 1,000,000): Coupling of the Liquid Sampling-Atmospheric Pressure Glow Discharge with an Orbitrap Mass Spectrometer for Applications in Biological Chemistry and Environmental Analysis. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 1163-1168.	2.8	23
35	Mass spectrometry-based analytical developments to link iron speciation to iron bioavailability in maize. <i>Food Chemistry</i> , 2019, 294, 414-422.	8.2	3
36	Detection and characterization of biogenic selenium nanoparticles in selenium-rich yeast by single particle ICPMS. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 452-460.	3.0	52

#	ARTICLE	IF	CITATIONS
37	Lanthanide polymer labels for multiplexed determination of biomarkers in human serum samples by means of size exclusion chromatography-inductively coupled plasma mass spectrometry. <i>Analytica Chimica Acta</i> , 2018, 1018, 7-15.	5.4	14
38	Advances in electrospray mass spectrometry for the selenium speciation: Focus on Se-rich yeast. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 104, 87-94.	11.4	36
39	Study of the uptake and bioaccumulation of palladium nanoparticles by <i>Sinapis alba</i> using single particle ICP-MS. <i>Science of the Total Environment</i> , 2018, 615, 1078-1085.	8.0	58
40	Speciation of technologically critical elements in the environment using chromatography with element and molecule specific detection. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 104, 42-53.	11.4	18
41	Advances in mass spectrometry for iron speciation in plants. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 104, 77-86.	11.4	11
42	New Frontiers of Metallomics: Elemental and Species-Specific Analysis and Imaging of Single Cells. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1055, 245-270.	1.6	12
43	Identification and determination of selenohomolanthionine – The major selenium compound in <i>Torula</i> yeast. <i>Food Chemistry</i> , 2017, 237, 1196-1201.	8.2	30
44	Rapid ion-exchange matrix removal for a decrease of detection limits in the analysis of salt-rich reservoir waters for fluorobenzoic acids by liquid chromatography coupled with tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 871-879.	3.7	6
45	Analytical approaches for the characterization of nickel proteome. <i>Metallomics</i> , 2017, 9, 1014-1027.	2.4	7
46	Single particle ICP-MS characterization of platinum nanoparticles uptake and bioaccumulation by <i>Lepidium sativum</i> and <i>Sinapis alba</i> plants. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 2321-2329.	3.0	75
47	Speciation of Selenium in Selenium-Enriched Sunflower Oil by High-Performance Liquid Chromatography–Inductively Coupled Plasma Mass Spectrometry/Electrospray–Orbitrap Tandem Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 4975-4981.	5.2	18
48	New approach to the determination phosphorothioate oligonucleotides by ultra high performance liquid chromatography coupled with inductively coupled plasma mass spectrometry. <i>Analytica Chimica Acta</i> , 2015, 855, 13-20.	5.4	13
49	Sensitive simultaneous determination of 19 fluorobenzoic acids in saline waters by solid-phase extraction and liquid chromatography–tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2015, 1417, 30-40.	3.7	10
50	An insight into silver nanoparticles bioavailability in rats. <i>Metallomics</i> , 2014, 6, 2242-2249.	2.4	62
51	Large-scale speciation of selenium in rice proteins using ICP-MS assisted electrospray MS/MS proteomics. <i>Metallomics</i> , 2014, 6, 646.	2.4	17
52	Comparative cytotoxicity of cadmium forms (CdCl_2 , CdO, CdS micro- and nanoparticles) in renal cells. <i>Toxicology Research</i> , 2014, 3, 32-41.	2.1	41
53	Complementarity of MALDI and LA ICP mass spectrometry for platinum anticancer imaging in human tumor. <i>Metallomics</i> , 2014, 6, 1382-1386.	2.4	63
54	Speciation analysis for trace levels of selenoproteins in cultured human cells. <i>Journal of Proteomics</i> , 2014, 108, 316-324.	2.4	26

#	ARTICLE	IF	CITATIONS
55	2013 European Winter Conference on Plasma Spectrochemistry. Journal of Analytical Atomic Spectrometry, 2013, 28, 1142.	3.0	0
56	Comprehensive speciation of low-molecular weight selenium metabolites in mustard seeds using HPLC- μ electrospray linear trap/orbitrap tandem mass spectrometry. Metallomics, 2013, 5, 1294.	2.4	33
57	ICP-MS-assisted identification of selenium-containing proteins in 2D gels using a new capillary HPLC-ICP MS interface and Orbitrap tandem mass spectrometry. Journal of Analytical Atomic Spectrometry, 2013, 28, 288-292.	3.0	6
58	Discrimination of geographical origin of rice based on multi-element fingerprinting by high resolution inductively coupled plasma mass spectrometry. Food Chemistry, 2013, 141, 3504-3509.	8.2	98
59	Characterization of Selenium Incorporation into Wheat Proteins by Two-Dimensional Gel Electrophoresis-Laser Ablation ICP MS followed by capillary HPLC-ICP MS and Electrospray Linear Trap Quadrupole Orbitrap MS. Analytical Chemistry, 2013, 85, 2037-2043.	6.5	35
60	Privileged Incorporation of Selenium as Selenocysteine in Lactobacillus reuteri Proteins Demonstrated by Selenium-specific Imaging and Proteomics. Molecular and Cellular Proteomics, 2013, 12, 2196-2204.	3.8	38
61	Trace element speciation in food: State of the art of analytical techniques and methods. Pure and Applied Chemistry, 2012, 84, 169-179.	1.9	21
62	Identification of selenosugars and other low-molecular weight selenium metabolites in high-selenium cereal crops. Metallomics, 2012, 4, 968.	2.4	51
63	Detection of selenoproteins in human cell extracts by laser ablation-ICP MS after separation by polyacrylamide gel electrophoresis and blotting. Journal of Analytical Atomic Spectrometry, 2012, 27, 25-32.	3.0	17
64	Probing of bismuth antiulcer drug targets in H. pylori by laser ablation-inductively coupled plasma mass spectrometry. Metallomics, 2012, 4, 277.	2.4	33
65	Comprehensive speciation of selenium in selenium-rich yeast. TrAC - Trends in Analytical Chemistry, 2012, 41, 122-132.	11.4	85
66	In vitro digestion of selenium from selenium-enriched chicken. Pure and Applied Chemistry, 2012, 84, 249-258.	1.9	5
67	Speciation Issue. Journal of Analytical Atomic Spectrometry, 2011, 26, 22-22.	3.0	3
68	Characterization of binding and bioaccessibility of Cr in Cr-enriched yeast by sequential extraction followed by two-dimensional liquid chromatography with mass spectrometric detection. Analytical and Bioanalytical Chemistry, 2010, 396, 1355-1364.	3.7	17
69	Determination of selenomethionine, selenocysteine, and inorganic selenium in eggs by HPLC-inductively coupled plasma mass spectrometry. Analytical and Bioanalytical Chemistry, 2010, 397, 731-741.	3.7	72
70	Bioaccessibility of Se from Se-enriched wheat and chicken meat. Pure and Applied Chemistry, 2010, 82, 461-471.	1.9	22
71	Identification of Metallothionein Subisoforms in HPLC Using Accurate Mass and Online Sequencing by Electrospray Hybrid Linear Ion Trap-Orbital Ion Trap Mass Spectrometry. Analytical Chemistry, 2010, 82, 6947-6957.	6.5	25
72	A comparative study of element concentrations and binding in transgenic and non-transgenic soybean seeds. Metallomics, 2010, 2, 800.	2.4	31

#	ARTICLE	IF	CITATIONS
73	Screening for polybrominated diphenyl ethers in biological samples by reversed-phase fast HPLC-ICP MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 889.	3.0	12
74	Study of the Se-containing metabolomes in Se-rich yeast by size-exclusion and cation-exchange HPLC with the parallel ICP MS and electrospray orbital ion trap detection. <i>Metallomics</i> , 2010, 2, 535.	2.4	42
75	A sequential extraction procedure for an insight into selenium speciation in garlic. <i>Talanta</i> , 2009, 77, 1877-1882.	5.5	35
76	Metallomics: the concept and methodology. <i>Chemical Society Reviews</i> , 2009, 38, 1119.	38.1	309
77	Specific determination of selenoaminoacids in whole milk by 2D size-exclusion-ion-pairing reversed phase high-performance liquid chromatography-inductively coupled plasma mass spectrometry (HPLC-ICP MS). <i>Analytica Chimica Acta</i> , 2008, 624, 195-202.	5.4	34
78	Determination of selenocysteine and selenomethionine in edible animal tissues by 2D size-exclusion reversed-phase HPLC-ICP MS following carbamidomethylation and proteolytic extraction. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 1789-1798.	3.7	108
79	Simultaneous derivatization of selenocysteine and selenomethionine in animal blood prior to their specific determination by 2D size-exclusion ion-pairing reversed-phase HPLC-ICP MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2008, 23, 508.	3.0	31
80	Precolumn Isotope Dilution Analysis in nanoHPLC-ICPMS for Absolute Quantification of Sulfur-Containing Peptides. <i>Analytical Chemistry</i> , 2007, 79, 2859-2868.	6.5	69
81	Selenopeptide mapping in a selenium yeast protein digest by parallel nanoHPLC-ICP-MS and nanoHPLC-electrospray-MS/MS after on-line preconcentration. <i>Journal of Analytical Atomic Spectrometry</i> , 2006, 21, 26-32.	3.0	50
82	State of the art report of selenium speciation in biological samples. <i>Journal of Analytical Atomic Spectrometry</i> , 2006, 21, 639-654.	3.0	89
83	Development of a Nebulizer for a Sheathless Interfacing of NanoHPLC and ICPMS. <i>Analytical Chemistry</i> , 2006, 78, 965-971.	6.5	76
84	Certification of a new selenized yeast reference material (SELM-1) for methionine, selenomethionine and total selenium content and its use in an intercomparison exercise for quantifying these analytes. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 385, 168-180.	3.7	85
85	Mass spectrometry in bioinorganic analytical chemistry. <i>Mass Spectrometry Reviews</i> , 2006, 25, 255-289.	5.4	185
86	Investigation of the recovery of selenomethionine from selenized yeast by two-dimensional LC-ICP MS. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 381, 844-849.	3.7	51
87	Interfacing reversed-phase nanoHPLC with ICP-MS and on-line isotope dilution analysis for the accurate quantification of selenium-containing peptides in protein tryptic digests. <i>Journal of Analytical Atomic Spectrometry</i> , 2005, 20, 1101.	3.0	79
88	Ultratrace determination of uranium and plutonium by nano-volume flow injection double-focusing sector field inductively coupled plasma mass spectrometry (nFI-ICP-SFMS). <i>Journal of Analytical Atomic Spectrometry</i> , 2005, 20, 17-21.	3.0	88
89	Advances in analytical methodology for bioinorganic speciation analysis: metallomics, metalloproteomics and heteroatom-tagged proteomics and metabolomics. <i>Analyst</i> , 2005, 130, 442.	3.5	371
90	Metallomics: a new frontier in analytical chemistry. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 54-56.	3.7	198

#	ARTICLE	IF	CITATIONS
91	A systematic approach to selenium speciation in selenized yeast. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 114-120.	3.0	69
92	Identification of non-peptide species in selenized yeast by MALDI mass spectrometry using post-source decay and orthogonal Q-TOF detection. <i>Analyst, The</i> , 2004, 129, 846-849.	3.5	24
93	Investigation of the aluminium binding in Al(iii)-treated neuroblastoma cells. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 41-45.	3.0	12
94	Immunomodulating Polysaccharide Fractions of <i>Menyanthes trifoliata</i> L.. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2004, 59, 485-493.	1.4	12
95	Methodological advances for selenium speciation analysis in yeast. <i>Analytica Chimica Acta</i> , 2003, 500, 171-183.	5.4	78
96	The speciation of arsenic in biological tissues and the certification of reference materials for quality control. <i>TrAC - Trends in Analytical Chemistry</i> , 2003, 22, 191-209.	11.4	102
97	Identification of Water-Soluble Selenium-Containing Proteins in Selenized Yeast by Size-Exclusion-Reversed-Phase HPLC/ICPMS Followed by MALDI-TOF and Electrospray Q-TOF Mass Spectrometry. <i>Analytical Chemistry</i> , 2003, 75, 3765-3774.	6.5	139
98	Hyphenated Techniques for Elemental Speciation in Biological Systems. <i>Applied Spectroscopy</i> , 2003, 57, 102A-112A.	2.2	144
99	Detection of selenocompounds in a tryptic digest of yeast selenoprotein by MALDI time-of-flight MS prior to their structural analysis by electrospray ionization triple quadrupole MS. <i>Analyst, The</i> , 2003, 128, 220-224.	3.5	61
100	Gas chromatography with inductively coupled plasma mass spectrometric detection (GC-ICP MS). <i>Advances in Chromatography</i> , 2003, 42, 107-37.	1.0	2
101	Assessment of Selenium Bioavailability from High-Selenium <i>Spirulina</i> Subfractions in Selenium-Deficient Rats. <i>Journal of Agricultural and Food Chemistry</i> , 2002, 50, 3867-3873.	5.2	33
102	Characterization of Arsenic Species in Kidney of the Clam <i>Tridacnaderasaby</i> Multidimensional Liquid Chromatography-ICPMS and Electrospray Time-of-Flight Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2002, 74, 2370-2378.	6.5	87
103	Bioavailability of cadmium and lead in cocoa: comparison of extraction procedures prior to size-exclusion fast-flow liquid chromatography with inductively coupled plasma mass spectrometric detection (SEC-ICP-MS). <i>Journal of Analytical Atomic Spectrometry</i> , 2002, 17, 880-886.	3.0	46
104	Identification of selenocompounds in yeast by electrospray quadrupole-time of flight mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2002, 17, 507-514.	3.0	72
105	Speciation of seleno compounds in yeast aqueous extracts by three-dimensional liquid chromatography with inductively coupled plasma mass spectrometric and electrospray mass spectrometric detection. <i>Analyst, The</i> , 2002, 127, 223-229.	3.5	84
106	Analysis for metal complexes with metallothionein in rat liver by capillary zone electrophoresis using ICP double-focussing sector-field isotope dilution MS and electrospray MS detection. <i>Journal of Analytical Atomic Spectrometry</i> , 2002, 17, 908-912.	3.0	67
107	Analysis of selenized yeast for selenium speciation by size-exclusion chromatography and capillary zone electrophoresis with inductively coupled plasma mass spectrometric detection (SEC-CZE-ICP-MS). <i>Journal of Analytical Atomic Spectrometry</i> , 2002, 17, 15-20.	3.0	58
108	Investigation of the response of wood-rotting fungi to copper stress by size-exclusion chromatography and capillary zone electrophoresis with ICP MS detection. <i>Analytical and Bioanalytical Chemistry</i> , 2002, 372, 453-456.	3.7	10

#	ARTICLE	IF	CITATIONS
109	Multidimensional liquid chromatography with parallel ICP MS and electrospray MS/MS detection as a tool for the characterization of arsenic species in algae. <i>Analytical and Bioanalytical Chemistry</i> , 2002, 372, 457-466.	3.7	67
110	Multidimensional approaches in biochemical speciation analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2002, 373, 404-411.	3.7	92
111	Gas chromatography with inductively coupled plasma mass spectrometric detection in speciation analysis. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2002, 57, 805-828.	2.9	104
112	Investigation of metal complexes with metallothionein in rat tissues by hyphenated techniques. <i>Journal of Inorganic Biochemistry</i> , 2002, 88, 197-206.	3.5	57
113	Determination of phytochelatins by capillary zone electrophoresis with electrospray tandem mass spectrometry detection (CZE-ES MS/MS). <i>Analyst, The</i> , 2001, 126, 624-632.	3.5	23
114	Analysis for selenium speciation in selenized yeast extracts by two-dimensional liquid chromatography with ICP-MS and electrospray MS-MS detection. <i>Journal of Analytical Atomic Spectrometry</i> , 2001, 16, 68-73.	3.0	76
115	Investigation of arsenic speciation in oyster test reference material by multidimensional HPLC-ICP-MS and electrospray tandem mass spectrometry (ES-MS-MS). <i>Analyst, The</i> , 2001, 126, 1055-1062.	3.5	70
116	Investigation of metal binding by recombinant and native metallothioneins by capillary zone electrophoresis (CZE) coupled with inductively coupled plasma mass spectrometry (ICP-MS) via a self-aspirating total consumption micronebulizer. <i>Journal of Analytical Atomic Spectrometry</i> , 2001, 16, 567-574.	3.0	51
117	Complementarity of multidimensional HPLC-ICP-MS and electrospray MS-MS for speciation analysis of arsenic in algae. <i>Analytica Chimica Acta</i> , 2001, 440, 3-16.	5.4	62
118	Identification of dimethylarsinoyl-riboside derivatives in seaweed by pneumatically assisted electrospray tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2000, 410, 71-84.	5.4	62
119	Speciation analysis of selenium in garlic by two-dimensional high-performance liquid chromatography with parallel inductively coupled plasma mass spectrometric and electrospray tandem mass spectrometric detection. <i>Analytica Chimica Acta</i> , 2000, 421, 147-153.	5.4	115
120	Gas and liquid chromatography with inductively coupled plasma mass spectrometry detection for environmental speciation analysis – advances and limitations. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2000, 55, 779-793.	2.9	43
121	Trace element speciation analysis of biomaterials by high-performance liquid chromatography with inductively coupled plasma mass spectrometric detection. <i>TrAC - Trends in Analytical Chemistry</i> , 2000, 19, 127-137.	11.4	64
122	Bio-inorganic speciation analysis by hyphenated techniques. <i>Analyst, The</i> , 2000, 125, 963-988.	3.5	271
123	Speciation of arsenic in edible algae by bi-dimensional size-exclusion anion exchange HPLC with dual ICP-MS and electrospray MS/MS detection. <i>Journal of Analytical Atomic Spectrometry</i> , 2000, 15, 79-87.	3.0	76
124	Identification of cadmium-bioinduced ligands in rat liver using parallel HPLC-ICP-MS and HPLC-electrospray MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2000, 15, 1363-1368.	3.0	37
125	Investigation of metalloid-drug-protein interactions by size-exclusion chromatography coupled with inductively coupled plasma mass spectrometry (ICP-MS). <i>Analytica Chimica Acta</i> , 1999, 387, 135-144.	5.4	99
126	Biochemical speciation analysis by hyphenated techniques. <i>Analytica Chimica Acta</i> , 1999, 400, 321-332.	5.4	72

#	ARTICLE	IF	CITATIONS
127	Speciation in the environmental field - trends in Analytical Chemistry. Fresenius' Journal of Analytical Chemistry, 1999, 363, 550-557.	1.5	30
128	An approach to the identification of selenium species in yeast extracts using pneumatically-assisted electrospray tandem mass spectrometry. Analytical Communications, 1999, 36, 77-80.	2.2	108
129	Speciation of cadmium in plant tissues by size-exclusion chromatography with ICP-MS detection. Journal of Analytical Atomic Spectrometry, 1999, 14, 1557-1566.	3.0	70
130	Speciation analysis for iodine in milk by size-exclusion chromatography with inductively coupled plasma mass spectrometric detection (SEC-ICP MS). Journal of Analytical Atomic Spectrometry, 1999, 14, 1697-1702.	3.0	89
131	Sample preparation and HPLC separation approaches to speciation analysis of selenium in yeast by ICP-MS. Journal of Analytical Atomic Spectrometry, 1999, 14, 645-650.	3.0	155
132	Species-selective determination of cobalamin analogues by reversed-phase HPLC with ICP-MS detection. Journal of Analytical Atomic Spectrometry, 1999, 14, 1323-1327.	3.0	35
133	Speciation of metal-carbohydrate complexes in fruit and vegetable samples by size-exclusion HPLC-ICP-MS. Journal of Analytical Atomic Spectrometry, 1999, 14, 639-644.	3.0	45
134	Speciation analysis for biomolecular complexes of lead in wine by size-exclusion high-performance liquid chromatography-inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 1998, 13, 749-754.	3.0	63
135	Elemental speciation and coupled techniques towards faster and reliable analyses. Journal of Analytical Atomic Spectrometry, 1998, 13, 859-867.	3.0	47
136	Speciation of mercury by ICP-MS after on-line capillary cryofocussing and ambient temperature multicapillary gas chromatography. Analytical Communications, 1998, 35, 331-335.	2.2	41
137	Rapid speciation of butyltin compounds in sediments and biomaterials by capillary gas chromatography-microwave-induced plasma atomic emission spectrometry after microwave-assisted leaching/digestion. Journal of Analytical Atomic Spectrometry, 1996, 11, 193-199.	3.0	119
138	Speciation Analysis for Organotin Compounds in Biomaterials after Integrated Dissolution, Extraction, and Derivatization in a Focused Microwave Field. Analytical Chemistry, 1996, 68, 4135-4140.	6.5	67
139	Determination of rare earth elements in wine by inductively coupled plasma mass spectrometry using a microconcentric nebulizer. Journal of Analytical Atomic Spectrometry, 1996, 11, 713-721.	3.0	97
140	Microwave-accelerated speciation analysis for butyltin compounds in sediments and biomaterials by large volume injection capillary gas chromatography quartz furnace atomic absorption spectrometry. Analytica Chimica Acta, 1996, 332, 225-232.	5.4	54
141	Speciation analysis for organotin compounds in sediments by capillary gas chromatography with flame photometric detection after microwave-assisted acid leaching. Analyst, The, 1995, 120, 2665-2673.	3.5	60