

Ryszard Lobinski

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

214
papers

9,600
citations

57
h-index

83
g-index

220
ext. papers

10,421
ext. citations

5.5
avg, IF

5.98
L-index

#	Paper	IF	Citations
214	Inertness of Superoxide Dismutase Mimics Mn(II) Complexes Based on an Open-Chain Ligand, Bioactivity, and Detection in Intestinal Epithelial Cells.. <i>Oxidative Medicine and Cellular Longevity</i> , 2022 , 2022, 3858122	6.7	0
213	Molecular Fingerprints and Speciation of Crude Oils and Heavy Fractions Revealed by Molecular and Elemental Mass Spectrometry: Keystone between Petroleomics, Metallopetroleomics, and Petrointeractomics. <i>Energy & Fuels</i> , 2018 , 32, 4593-4605	4.1	29
212	Selenium-regulated hierarchy of human selenoproteome in cancerous and immortalized cells lines. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018 , 1862, 2493-2505	4	18
211	Comparison of analytical methods using enzymatic activity, immunoaffinity and selenium-specific mass spectrometric detection for the quantitation of glutathione peroxidase 1. <i>Analytica Chimica Acta</i> , 2018 , 1011, 11-19	6.6	14
210	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	3.7	33
209	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	6.6	9
208	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	14.6	27
207	Recent trends in element speciation analysis of crude oils and heavy petroleum fractions. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 104, 69-76	14.6	21
206	Quantification of SeMet and SeCys in Biological Fluids and Tissues by Liquid Chromatography Coupled to Inductively Coupled Plasma Mass Spectrometry (HPLC-ICP MS). <i>Methods in Molecular Biology</i> , 2018 , 1661, 153-162	1.4	6
205	Determination of Proteinaceous Selenocysteine in Selenized Yeast. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	11
204	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	3.6	8
203	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	14.6	8
202	Advances in mass spectrometry for iron speciation in plants. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 104, 77-86	14.6	7
201	Analysis of Petroleum Products by Gel Permeation Chromatography Coupled Online with Inductively Coupled Plasma Mass Spectrometry and Offline with Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Energy & Fuels</i> , 2018 , 32, 12198-12204	4.1	20
200	Identification and determination of selenohomolanthionine - The major selenium compound in Torula yeast. <i>Food Chemistry</i> , 2017 , 237, 1196-1201	8.5	25
199	Pseudomonas aeruginosa zinc uptake in chelating environment is primarily mediated by the metallophore pseudopaline. <i>Scientific Reports</i> , 2017 , 7, 17132	4.9	59
198	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	4.4	2

197	Petroleomics by Direct Analysis in Real Time-Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2016 , 27, 182-5	3.5	22
196	Biological Selenium Species and Selenium Speciation in Biological Samples 2016 , 413-424		3
195	Inventory of metal complexes circulating in plant fluids: a reliable method based on HPLC coupled with dual elemental and high-resolution molecular mass spectrometric detection. <i>New Phytologist</i> , 2016 , 211, 1129-41	9.8	56
194	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, 4975-81	5.7	16
193	Insights into the nature of uranium target proteins within zebrafish gills after chronic and acute waterborne exposures. <i>Environmental Toxicology and Chemistry</i> , 2016 , 35, 736-41	3.8	14
192	Biosynthesis of a broad-spectrum nicotianamine-like metallophore in <i>Staphylococcus aureus</i> . <i>Science</i> , 2016 , 352, 1105-9	33.3	119
191	Imaging of intracellular fatty acids by scanning X-ray fluorescence microscopy. <i>FASEB Journal</i> , 2016 , 30, 4149-4158	0.9	10
190	Study of the Aggregation of Metal Complexes with Asphaltenes Using Gel Permeation Chromatography Inductively Coupled Plasma High-Resolution Mass Spectrometry. <i>Energy & Fuels</i> , 2016 , 30, 6907-6912	4.1	23
189	Determination of Ni and V in Crude Oil Samples Encapsulated in Zr Xerogels by Laser-Induced Breakdown Spectroscopy. <i>Energy & Fuels</i> , 2015 , 29, 5573-5577	4.1	6
188	In vitro induction and proteomics characterisation of a uranyl-protein interaction network in bovine serum. <i>Metallomics</i> , 2015 , 7, 1604-11	4.5	5
187	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	4.5	8
186	Impact of a phosphate fertilizer plant on the contamination of marine biota by heavy elements. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 14940-9	5.1	8
185	A novel branched TAT(47-57) peptide for selective Ni(2+) introduction into the human fibrosarcoma cell nucleus. <i>Metallomics</i> , 2015 , 7, 1155-62	4.5	12
184	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	6.6	12
183	A multi-residue analysis of sulphonamides in edible animal tissues using QuEChERS extraction and HPLC-MS/MS. <i>Analytical Methods</i> , 2015 , 7, 1549-1557	3.2	9
182	Hemoglobin as a major binding protein for methylmercury in white-sided dolphin liver. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 1121-9	4.4	34
181	Ascorbate efflux as a new strategy for iron reduction and transport in plants. <i>Journal of Biological Chemistry</i> , 2014 , 289, 2515-25	5.4	115
180	Quantification of Se-Methylselenocysteine and Its γ -Glutamyl Derivative from Naturally Se-Enriched Green Bean (<i>Phaseolus vulgaris vulgaris</i>) After HPLC-ESI-TOF-MS and Orbitrap MSn-Based Identification. <i>Food Analytical Methods</i> , 2014 , 7, 1147-1157	3.4	20

179	Large-scale speciation of selenium in rice proteins using ICP-MS assisted electrospray MS/MS proteomics. <i>Metallomics</i> , 2014 , 6, 646-53	4.5	15
178	Comparative cytotoxicity of cadmium forms (CdCl ₂ , CdO, CdS micro- and nanoparticles) in renal cells. <i>Toxicology Research</i> , 2014 , 3, 32-41	2.6	36
177	Complementarity of MALDI and LA ICP mass spectrometry for platinum anticancer imaging in human tumor. <i>Metallomics</i> , 2014 , 6, 1382-6	4.5	57
176	Development of non-denaturing off-gel isoelectric focusing for the separation of uranium-protein complexes in fish. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 3517-20	4.4	4
175	Speciation analysis for trace levels of selenoproteins in cultured human cells. <i>Journal of Proteomics</i> , 2014 , 108, 316-24	3.9	22
174	Different uranium distribution patterns in cytosolic protein pool of zebrafish gills after chronic and acute waterborne exposures. <i>Chemosphere</i> , 2014 , 111, 412-7	8.4	14
173	Monitoring the behaviour and fate of nickel and vanadium complexes during vacuum residue hydrotreatment and fraction separation. <i>Fuel Processing Technology</i> , 2014 , 119, 185-189	7.2	29
172	Development of a non-denaturing 2D gel electrophoresis protocol for screening in vivo uranium-protein targets in <i>Procambarus clarkii</i> with laser ablation ICP MS followed by protein identification by HPLC-Orbitrap MS. <i>Talanta</i> , 2014 , 128, 187-95	6.2	19
171	Non-denaturing isoelectric focusing gel electrophoresis for uranium-protein complexes quantitative analysis with LA-ICP MS. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 1063-72	4.4	16
170	Identification of the tri-Al tricitrate complex in <i>Plantago almogravensis</i> by hydrophilic interaction LC with parallel ICP-MS and electrospray Orbitrap MS/MS detection. <i>Metallomics</i> , 2013 , 5, 1285-93	4.5	9
169	Speciation and identification of tellurium-containing metabolites in garlic, <i>Allium sativum</i> . <i>Metallomics</i> , 2013 , 5, 1215-24	4.5	20
168	Determination of Zn-, Cu- and Mn-glycinate complexes in feed samples and in-vitro and in-vivo assays to assess their bioaccessibility in feed samples. <i>Talanta</i> , 2013 , 113, 14-8	6.2	7
167	A comparative study of the Se/S substitution in methionine and cysteine in Se-enriched yeast using an inductively coupled plasma mass spectrometry (ICP MS)-assisted proteomics approach. <i>Journal of Proteomics</i> , 2013 , 87, 26-39	3.9	38
166	Privileged incorporation of selenium as selenocysteine in <i>Lactobacillus reuteri</i> proteins demonstrated by selenium-specific imaging and proteomics. <i>Molecular and Cellular Proteomics</i> , 2013 , 12, 2196-204	7.6	28
165	Large-scale identification of selenium metabolites by online size-exclusion-reversed phase liquid chromatography with combined inductively coupled plasma (ICP-MS) and electrospray ionization linear trap-Orbitrap mass spectrometry (ESI-MS(n)). <i>Metallomics</i> , 2012 , 4, 422-32	4.5	38
164	Detection of selenoproteins in human cell extracts by laser ablation-ICP MS after separation by polyacrylamide gel electrophoresis and blotting. <i>Journal of Analytical Atomic Spectrometry</i> , 2012 , 27, 25-32	3.7	17
163	Probing of bismuth antiulcer drug targets in <i>H. pylori</i> by laser ablation-inductively coupled plasma mass spectrometry. <i>Metallomics</i> , 2012 , 4, 277-83	4.5	30
162	Toxic and essential elements in Lebanese cheese. <i>Food Additives and Contaminants: Part B Surveillance</i> , 2012 , 5, 172-81	3.3	9

161	Application of TLC and LA ICP SF MS for speciation of S, Ni and V in petroleum samples. <i>Talanta</i> , 2012 , 97, 574-8	6.2	29
160	Comprehensive speciation of selenium in selenium-rich yeast. <i>TrAC - Trends in Analytical Chemistry</i> , 2012 , 41, 122-132	14.6	70
159	Trapping of Metallic Porphyrins by Asphaltene Aggregates: A Size Exclusion Microchromatography With High-Resolution Inductively Coupled Plasma Mass Spectrometric Detection Study. <i>Energy & Fuels</i> , 2012 , 26, 4968-4977	4.1	60
158	Use of xerogels for the elemental analysis of crude oils by laser ablation inductively coupled plasma high resolution mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2012 , 27, 1007	3.7	12
157	Bioaccessibility of essential elements from white cheese, bread, fruit and vegetables. <i>Talanta</i> , 2011 , 86, 425-8	6.2	75
156	One-step coating of silica capillaries for selective protein retention by Cu(II)-IDA IMAC. <i>Talanta</i> , 2011 , 87, 168-73	6.2	4
155	Multi-element analysis of bread, cheese, fruit and vegetables by double-focusing sector-field inductively coupled plasma mass spectrometry. <i>Analytical Methods</i> , 2011 , 3, 2115	3.2	13
154	Multielement analysis of petroleum samples by laser ablation double focusing sector field inductively coupled plasma mass spectrometry (LA-ICP MS). <i>Journal of Analytical Atomic Spectrometry</i> , 2011 , 26, 618-622	3.7	17
153	New Passive Water Tracers for Oil Field Applications. <i>Energy & Fuels</i> , 2011 , 25, 4488-4496	4.1	8
152	Metallomics: Guidelines for terminology and critical evaluation of analytical chemistry approaches (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2010 , 82, 493-504	2.1	70
151	Reactivity of anticancer metallodrugs with serum proteins: new insights from size exclusion chromatography-ICP-MS and ESI-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2010 , 25, 305-313	3.7	88
150	Identification of metallothionein subisoforms in HPLC using accurate mass and online sequencing by electrospray hybrid linear ion trap-orbital ion trap mass spectrometry. <i>Analytical Chemistry</i> , 2010 , 82, 6947-57	7.8	24
149	Trace-level determination and insight in speciation of silicon in petrochemical samples by flow-injection high resolution ICP MS and HPLC-high resolution ICP MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2010 , 25, 1461	3.7	21
148	Fractionation and speciation of nickel and vanadium in crude oils by size exclusion chromatography-ICP MS and normal phase HPLC-ICP MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2010 , 25, 1123	3.7	57
147	Determination of the selenium isotopic compositions in Se-rich yeast by hydride generation-inductively coupled plasma multicollector mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2010 , 25, 1695	3.7	10
146	Direct multi-element analysis of crude oils and gas condensates by double-focusing sector field inductively coupled plasma mass spectrometry (ICP MS). <i>Journal of Analytical Atomic Spectrometry</i> , 2010 , 25, 704	3.7	31
145	Multielement molecular size fractionation in crude oil and oil residue by size exclusion microchromatography with high resolution inductively coupled plasma mass spectrometric detection (HR ICP MS). <i>Journal of Analytical Atomic Spectrometry</i> , 2010 , 25, 1974	3.7	24
144	Probing the metal-homeostatis effects of the administration of chromium(vi) to mice by ICP MS and size-exclusion chromatography-ICP MS. <i>Metallomics</i> , 2010 , 2, 549-55	4.5	19

143	Inductively-coupled plasma mass spectrometry in proteomics, metabolomics and metallomics studies. <i>European Journal of Mass Spectrometry</i> , 2010 , 16, 243-53	1.1	18
142	Characterization of binding and bioaccessibility of Cr in Cr-enriched yeast by sequential extraction followed by two-dimensional liquid chromatography with mass spectrometric detection. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 396, 1355-64	4.4	16
141	Characterization of metal glycinate complexes by electrospray Q-TOF-MS/MS and their determination by capillary electrophoresis-ICP-MS: application to premix samples. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 398, 435-49	4.4	14
140	Simultaneous speciation of selenomethionine and 2-hydroxy-4-methylselenobutanoic acid by HPLC-ICP MS in biological samples. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010 , 878, 1178-80	3.2	8
139	Insight in the transport behavior of copper glycinate complexes through the porcine gastrointestinal membrane using an Ussing chamber assisted by mass spectrometry analysis. <i>Journal of Trace Elements in Medicine and Biology</i> , 2010 , 24, 124-9	4.1	5
138	Detection and identification of hydrophilic selenium compounds in selenium-rich yeast by size exclusion-microbore normal-phase HPLC with the on-line ICP-MS and electrospray Q-TOF-MS detection. <i>Analytica Chimica Acta</i> , 2010 , 657, 175-90	6.6	60
137	In vivo screening of proteins likely to bind uranium in exposed rat kidney. <i>Radiochimica Acta</i> , 2009 , 97, 367-373	1.9	14
136	Characterization of the aerosol produced by infrared femtosecond laser ablation of polyacrylamide gels for the sensitive inductively coupled plasma mass spectrometry detection of selenoproteins. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2009 , 64, 649-658	3.1	13
135	Element speciation analysis of petroleum and related materials. <i>Journal of Analytical Atomic Spectrometry</i> , 2009 , 24, 263	3.7	79
134	Trapping of Paraffin and Other Compounds by Asphaltenes Detected by Laser Desorption Ionization/Time of Flight Mass Spectrometry (LDI/TOF MS): Role of A1 and A2 Asphaltene Fractions in This Trapping. <i>Energy & Fuels</i> , 2009 , 23, 842-848	4.1	43
133	Multimodal analysis of metals in copper-zinc superoxide dismutase isoforms separated on electrophoresis gels. <i>Biochimie</i> , 2009 , 91, 1324-7	4.6	21
132	Sensitivity improvement in ICP MS analysis of fuels and light petroleum matrices using a microflow nebulizer and heated spray chamber sample introduction. <i>Talanta</i> , 2009 , 80, 1039-43	6.2	54
131	Metallomics: the concept and methodology. <i>Chemical Society Reviews</i> , 2009 , 38, 1119-38	58.5	265
130	Multiplexed determination of protein biomarkers using metal-tagged antibodies and size exclusion chromatography-inductively coupled plasma mass spectrometry. <i>Analytical Chemistry</i> , 2009 , 81, 9440-8	7.8	78
129	Metal imaging in non-denaturing 2D electrophoresis gels by laser ablation inductively coupled plasma mass spectrometry (LA-ICP-MS) for the detection of metalloproteins. <i>Metallomics</i> , 2009 , 1, 312-6	4.5	71
128	A common highly conserved cadmium detoxification mechanism from bacteria to humans: heavy metal tolerance conferred by the ATP-binding cassette (ABC) transporter SpHMT1 requires glutathione but not metal-chelating phytochelatin peptides. <i>Journal of Biological Chemistry</i> , 2009 , 284, 4936-43	5.4	82
127	Characterization of metal-peptide complexes in feed supplements of essential trace elements. <i>Metallomics</i> , 2009 , 1, 235-48	4.5	6
126	Identification of anionic selenium species in Se-rich yeast by electrospray QTOF MS/MS and hybrid linear ion trap/orbitrap MSn. <i>Metallomics</i> , 2009 , 1, 317-29	4.5	48

125	ICP-MS-assisted proteomics approach to the identification of selenium-containing proteins in selenium-rich yeast. <i>Journal of Analytical Atomic Spectrometry</i> , 2008 , 23, 309-317	3.7	39
124	Identification of selenium-containing proteins in selenium-rich yeast aqueous extract by 2D gel electrophoresis, nanoHPLC-ICP MS and nanoHPLC-ESI MS/MS. <i>Talanta</i> , 2008 , 75, 1140-5	6.2	33
123	Analysis of metal-binding proteins separated by non-denaturing gel electrophoresis using matrix-assisted laser desorption/ionization mass spectrometry (MALDI-MS) and laser ablation inductively coupled plasma mass spectrometry (LA-ICP-MS). <i>Talanta</i> , 2008 , 76, 1183-8	6.2	74
122	Speciation analysis of selenium metabolites in yeast-based food supplements by ICPMS-assisted hydrophilic interaction HPLC-hybrid linear ion trap/Orbitrap MS(n). <i>Analytical Chemistry</i> , 2008 , 80, 3975-84 ⁸	7.8	59
121	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	3.7	29
120	Characterization of the selenocysteine-containing metabolome in selenium-rich yeast. <i>Journal of Analytical Atomic Spectrometry</i> , 2008 , 23, 72-83	3.7	33
119	LA-ICP-MS studies of zinc exchange by copper in bovine serum albumin using an isotopic enriched copper tracer. <i>Journal of Analytical Atomic Spectrometry</i> , 2008 , 23, 1076	3.7	22
118	Characterization of the selenocysteine-containing metabolome in selenium-rich yeast. <i>Journal of Analytical Atomic Spectrometry</i> , 2008 , 23, 744	3.7	32
117	Challenges to metallomics and analytical chemistry solutions. <i>Pure and Applied Chemistry</i> , 2008 , 80, 2565-2575	20	20
116	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	6.6	31
115	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, 1789-98	4.4	90
114	Accurate determination of selenium in blood serum by isotope dilution analysis using inductively coupled plasma collision cell mass spectrometry with xenon as collision gas. <i>Journal of Analytical Atomic Spectrometry</i> , 2007 , 22, 318-321	3.7	20
113	Standardless identification of selenocystathionine and its gamma-glutamyl derivatives in monkeypot nuts by 3D liquid chromatography with ICP-MS detection followed by nanoHPLC-Q-TOF-MS/MS. <i>Analyst, The</i> , 2007 , 132, 439-49	5	27
112	Flow-injection ICP collision cell MS determination of molybdenum, nickel and vanadium in petroleum samples using a modified total consumption micronebulizer. <i>Journal of Analytical Atomic Spectrometry</i> , 2007 , 22, 88-92	3.7	45
111	Precolumn isotope dilution analysis in nanoHPLC-ICPMS for absolute quantification of sulfur-containing peptides. <i>Analytical Chemistry</i> , 2007 , 79, 2859-68	7.8	64
110	Sensitive detection of selenoproteins in gel electrophoresis by high repetition rate femtosecond laser ablation-inductively coupled plasma mass spectrometry. <i>Analytical Chemistry</i> , 2007 , 79, 6874-80	7.8	51
109	Multimode detection (LA-ICP-MS, MALDI-MS and nanoHPLC-ESI-MS2) in 1D and 2D gel electrophoresis for selenium-containing proteins. <i>TrAC - Trends in Analytical Chemistry</i> , 2007 , 26, 183-190 ^{14.6}	14.6	32
108	Multitechnique mass-spectrometric approach for the detection of bovine glutathione peroxidase selenoprotein: focus on the selenopeptide. <i>Analytical and Bioanalytical Chemistry</i> , 2007 , 388, 585-91	4.4	24

107	Determination of iodine in human milk and infant formulas. <i>Journal of Trace Elements in Medicine and Biology</i> , 2007 , 21 Suppl 1, 10-3	4.1	27
106	Investigation of the stability of selenoproteins during storage of human serum by size-exclusion LC-ICP-MS. <i>Talanta</i> , 2007 , 71, 1813-6	6.2	31
105	A study of the Pb(II) binding to recombinant mouse Zn(7)-metallothionein 1 and its domains by ESI TOF MS. <i>Talanta</i> , 2007 , 72, 480-8	6.2	11
104	ICP-MS-assisted nanoHPLC-electrospray Q/time-of-flight MS/MS selenopeptide mapping in Brazil nuts. <i>Journal of Analytical Atomic Spectrometry</i> , 2007 , 22, 41-50	3.7	46
103	Fractionation of selenium-containing proteins in serum by multiaffinity liquid chromatography before size-exclusion chromatography-ICPMS. <i>Analytical and Bioanalytical Chemistry</i> , 2006 , 384, 1276-83	4.4	37
102	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, 168-80	4.4	79
101	Capillary HPLC-ICP MS mapping of selenocompounds in spots obtained from the 2-D gel electrophoresis of the water-soluble protein fraction of selenized yeast. <i>Analytical and Bioanalytical Chemistry</i> , 2006 , 385, 948-53	4.4	18
100	Uptake and speciation of selenium in garlic cultivated in soil amended with symbiotic fungi (mycorrhiza) and selenate. <i>Analytical and Bioanalytical Chemistry</i> , 2006 , 385, 1098-108	4.4	79
99	Effect of coverage density and structure of chemically bonded silica stationary phases on the separation of compounds with various properties. <i>Journal of Separation Science</i> , 2006 , 29, 829-36	3.4	23
98	Mass spectrometry in bioinorganic analytical chemistry. <i>Mass Spectrometry Reviews</i> , 2006 , 25, 255-89	11	173
97	Root-to-shoot long-distance circulation of nicotianamine and nicotianamine-nickel chelates in the metal hyperaccumulator <i>Thlaspi caerulescens</i> . <i>Journal of Experimental Botany</i> , 2006 , 57, 4111-22	7	111
96	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	3.7	46
95	Identification of new selenium non-peptide species in selenised yeast by nanoHPLC electro spray Q/time-of-flight-MS/MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2006 , 21, 655-665	3.7	22
94	Determination of mercury in organic solvents and gas condensates by flow-injection inductively coupled plasma mass spectrometry using a modified total consumption micro nebulizer fitted with single pass spray chamber. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2006 , 61, 1063-1068	3.1	27
93	Development of a nebulizer for a sheathless interfacing of NanoHPLC and ICPMS. <i>Analytical Chemistry</i> , 2006 , 78, 965-71	7.8	72
92	Speciation of non-covalent nickel species in plant tissue extracts by electro spray Q-TOFMS/MS after their isolation by 2D size exclusion-hydrophilic interaction LC (SEC-HILIC) monitored by ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2006 , 21, 676-683	3.7	63
91	Biosynthesis, purification and analysis of selenomethionyl calmodulin by gel electrophoresis-laser ablation-ICP-MS and capillary HPLC-ICP-MS peptide mapping following in-gel tryptic digestion. <i>Journal of Analytical Atomic Spectrometry</i> , 2005 , 20, 493	3.7	31
90	Ultratrace determination of uranium and plutonium by nano-volume flow injection double-focusing sector field inductively coupled plasma mass spectrometry (nFIICP-SFMS). <i>Journal of Analytical Atomic Spectrometry</i> , 2005 , 20, 17-21	3.7	80

89	Analysis of the selenium species distribution in cow blood by size exclusion liquid chromatography-inductively coupled plasma collision cell mass spectrometry (SEC-ICPccMS). <i>Analytical and Bioanalytical Chemistry</i> , 2005 , 383, 516-22	4.4	32
88	Speciation of selenium in selenium-enriched shiitake mushroom, <i>Lentinula edodes</i> . <i>Analytical and Bioanalytical Chemistry</i> , 2004 , 379, 861-6	4.4	87
87	Determination of Tl(I) and Tl(III) by IC-ICP-MS and application to Tl speciation analysis in the Tl hyperaccumulator plant <i>Iberis intermedia</i> . <i>Journal of Analytical Atomic Spectrometry</i> , 2004 , 19, 757-761	3.7	42
86	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, 846-9	5	22
85	Investigation of the aluminium binding in Al(III)-treated neuroblastoma cells. <i>Journal of Analytical Atomic Spectrometry</i> , 2004 , 19, 41-45	3.7	11
84	Determination of selenomethionine and selenocysteine in human serum using speciated isotope dilution-capillary HPLC-inductively coupled plasma collision cell mass spectrometry. <i>Analytical Chemistry</i> , 2004 , 76, 6635-42	7.8	101
83	Metallobiomolecules. The basis of life, the challenge of atomic spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , 2004 , 19, 1	3.7	74
82	Is Ag(I) an adequate probe for Cu(I) in structural copper-metallothionein studies? The binding features of Ag(I) to mammalian metallothionein 1. <i>Journal of Biological Inorganic Chemistry</i> , 2003 , 8, 831-42	3.7	33
81	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, 3765-74	7.8	123
80	Development of a sheathless interface between reversed-phase capillary HPLC and ICPMS via a microflow total consumption nebulizer for selenopeptide mapping. <i>Analytical Chemistry</i> , 2003 , 75, 6837-42	7.8	95
79	Hyphenated techniques for elemental speciation in biological systems. <i>Applied Spectroscopy</i> , 2003 , 57, 102A-112A	3.1	128
78	Speciation of nickel in a hyperaccumulating plant by high-performance liquid chromatography-inductively coupled plasma mass spectrometry and electrospray MS/MS assisted by cloning using yeast complementation. <i>Analytical Chemistry</i> , 2003 , 75, 2740-5	7.8	122
77	Sample preparation for speciation analysis for metallobiomolecules. <i>Comprehensive Analytical Chemistry</i> , 2003 , 41, 1185-1210	1.9	2
76	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, 220-4	5	54
75	Sensitive species-specific monitoring of a new triplatinum anti-cancer drug and its potential related compounds in spiked human plasma by cation-exchange HPLC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2003 , 18, 884	3.7	33
74	Speciation analysis of nickel in the latex of a hyperaccumulating tree <i>Sebertia acuminata</i> by HPLC and CZE with ICP MS and electrospray MS-MS detection. <i>Journal of Analytical Atomic Spectrometry</i> , 2003 , 18, 120-127	3.7	75
73	Multidimensional approaches in biochemical speciation analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2002 , 373, 404-11	4.4	82
72	Gas chromatography with inductively coupled plasma mass spectrometric detection in speciation analysis. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2002 , 57, 805-828	3.1	89

71	Investigation of metal complexes with metallothionein in rat tissues by hyphenated techniques. <i>Journal of Inorganic Biochemistry</i> , 2002 , 88, 197-206	4.2	53
70	Speciation analysis for mercury in gas condensates by capillary gas chromatography with inductively coupled plasma mass spectrometric detection. <i>Journal of Chromatography A</i> , 2002 , 976, 431-45	4.5	40
69	Precise determination of the strontium isotope ratios in wine by inductively coupled plasma sector field multicollector mass spectrometry (ICP-SF-MC-MS). <i>Journal of Analytical Atomic Spectrometry</i> , 2002 , 17, 135-137	3.7	86
68	Characterization of arsenic species in kidney of the clam <i>Tridacna derasa</i> by multidimensional liquid chromatography-ICPMS and electrospray time-of-flight tandem mass spectrometry. <i>Analytical Chemistry</i> , 2002 , 74, 2370-8	7.8	75
67	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	3.7	36
66	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, 223-9	5	74
65	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	3.7	59
64	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	3.7	44
63	Monitoring of the metal displacement from the recombinant mouse liver metallothionein Zn7-complex by capillary zone electrophoresis with electrospray MS detection. <i>Talanta</i> , 2002 , 57, 1011-1017	6.2	41
62	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	6.6	52
61	Determination of phytochelatins by capillary zone electrophoresis with electrospray tandem mass spectrometry detection (CZE-ES MS/MS). <i>Analyst, The</i> , 2001 , 126, 624-32	5	21
60	Evaluation of the accuracy of the determination of lead isotope ratios in wine by ICP MS using quadrupole, multicollector magnetic sector and time-of-flight analyzers. <i>Talanta</i> , 2001 , 54, 307-17	6.2	67
59	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	3.7	66
58	Investigation of speciation of arsenic in gas condensates by capillary gas chromatography with ICP-MS detection. <i>Journal of Analytical Atomic Spectrometry</i> , 2001 , 16, 1329-1332	3.7	29
57	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, 1055-62 ⁵	5	59
56	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	3.7	40
55	AN AUTOMATED SPECIATION ANALYSER OF ORGANOMETALLIC COMPOUND CONTENT. <i>Instrumentation Science and Technology</i> , 2001 , 29, 393-405	1.4	8
54	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	6.6	103

53	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	3.1	37
52	Chapter 2 Sample preparation techniques for elemental speciation studies. <i>Comprehensive Analytical Chemistry</i> , 2000 , 7-40	1.9	3
51	Characterization of metal complexes with metallothioneins by capillary zone electrophoresis (CZE) with ICP-MS and electrospray (ES)-MS detection. <i>Journal of Analytical Atomic Spectrometry</i> , 2000 , 15, 635-642	3.7	49
50	Signal identification in size-exclusion HPLC-ICP-MS chromatograms of plant extracts by electrospray tandem mass spectrometry (ES MS/MS). <i>Journal of Analytical Atomic Spectrometry</i> , 2000 , 15, 529-534	3.7	35
49	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	3.7	26
48	Guidelines for terms related to chemical speciation and fractionation of elements. Definitions, structural aspects, and methodological approaches (IUPAC Recommendations 2000). <i>Pure and Applied Chemistry</i> , 2000 , 72, 1453-1470	2.1	676
47	Investigation of metal/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	6.6	87
46	Biochemical speciation analysis by hyphenated techniques. <i>Analytica Chimica Acta</i> , 1999 , 400, 321-332	6.6	64
45	Speciation in the environmental field Trends in Analytical Chemistry. <i>Fresenius Journal of Analytical Chemistry</i> , 1999 , 363, 550-557		26
44	An approach to the identification of selenium species in yeast extracts using pneumatically-assisted electrospray tandem mass spectrometry. <i>Analytical Communications</i> , 1999 , 36, 77-80		92
43	Sample preparation and HPLC separation approaches to speciation analysis of selenium in yeast by ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 1999 , 14, 645-650	3.7	118
42	Speciation of metal-carbohydrate complexes in fruit and vegetable samples by size-exclusion HPLC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 1999 , 14, 639-644	3.7	35
41	Characterisation and determination of phytochelatins in plant extracts by electrospray tandem mass spectrometry. <i>Analyst, The</i> , 1999 , 124, 1425-1430	5	45
40	Optimization of the coupling of multicapillary GC with ICP-MS for mercury speciation analysis in biological materials. <i>Journal of Analytical Atomic Spectrometry</i> , 1999 , 14, 851-857	3.7	37
39	Detection of artefacts and peak identification in reversed-phase HPLC of metallothioneins by electrospray mass spectrometry. <i>Talanta</i> , 1999 , 48, 109-18	6.2	10
38	Species-selective analysis by microcolumn multicapillary gas chromatography with inductively coupled plasma mass spectrometric detection. <i>Analytical Chemistry</i> , 1999 , 71, 4534-43	7.8	55
37	Determination of cobalamins and cobinamides by microbore reversed-phase HPLC with spectrophotometric, ion-spray ionization MS and inductively coupled plasma MS detection. <i>Analytica Chimica Acta</i> , 1998 , 359, 227-235	6.6	43
36	Characterization of multicapillary gas chromatography-microwave-induced plasma atomic emission spectrometry for the expeditious analysis for organometallic compounds. <i>Journal of Chromatography A</i> , 1998 , 795, 359-370	4.5	39

35	Characterization of metallothionein isoforms by reversed-phase high-performance liquid chromatography with on-line post-column acidification and electrospray mass spectrometric detection. <i>Journal of Chromatography A</i> , 1998 , 829, 127-36	4.5	33
34	Speciation targets, analytical solutions and markets. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1998 , 53, 177-185	3.1	25
33	Speciation analysis for biomolecular complexes of lead in wine by size-exclusion high-performance liquid chromatography-inductively coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1998 , 13, 749-754	3.7	53
32	Elemental speciation and coupled techniques towards faster and reliable analyses. <i>Journal of Analytical Atomic Spectrometry</i> , 1998 , 13, 859-867	3.7	36
31	Direct species-selective determination of cobalamins by ionspray mass spectrometry and ionspray tandem mass spectrometry. <i>Analyst, The</i> , 1998 , 123, 131-137	5	12
30	Polymorphism and identification of metallothionein isoforms by reversed-phase HPLC with on-line ion-spray mass spectrometric detection. <i>Analytical Chemistry</i> , 1998 , 70, 2536-43	7.8	49
29	Elemental speciation analysis by multicapillary gas chromatography with microwave-induced plasma atomic spectrometric detection. <i>Analytical Chemistry</i> , 1997 , 69, 4799-807	7.8	44
28	Flash Species-selective Analysis by Multicapillary GasChromatography with Microwave Induced Plasma Atomic SpectrometricDetection. <i>Analytical Communications</i> , 1997 , 34, 141-143		23
27	Speciation analysis by gas chromatography with plasma source spectrometric detection. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1997 , 52, 1865-1903	3.1	56
26	Rapid speciation of butyltin compounds in sediments and biomaterials by capillary gas chromatography-microwave-induced plasma atomic emission spectrometry after microwave-assisted leaching/digestion. <i>Journal of Analytical Atomic Spectrometry</i> , 1996 , 11, 193-199	3.7	94
25	Speciation analysis for organotin compounds in biomaterials after integrated dissolution, extraction, and derivatization in a focused microwave field. <i>Analytical Chemistry</i> , 1996 , 68, 4135-40	7.8	50
24	Determination of rare earth elements in wine by inductively coupled plasma mass spectrometry using a microconcentric nebulizer. <i>Journal of Analytical Atomic Spectrometry</i> , 1996 , 11, 713-721	3.7	74
23	Plasma spectrometry and molecular information. Plenary lecture. <i>Journal of Analytical Atomic Spectrometry</i> , 1996 , 11, 871-876	3.7	6
22	Evaluation of a purge-and-trap injection system for capillary gas chromatography-microwave induced plasma-atomic emission spectrometry for the determination of volatile selenium compounds in water. <i>Mikrochimica Acta</i> , 1995 , 120, 73-82	5.8	24
21	Separation techniques in speciation analysis for organometallic species. <i>FreseniusJournal of Analytical Chemistry</i> , 1995 , 351, 351-377		38
20	Microwave-Assisted Leaching of Organotin Compounds from Sediments for Speciation Analysis. <i>Analytical Chemistry</i> , 1995 , 67, 4250-4254	7.8	110
19	Interference-free determination of selenium(IV) by capillary gas chromatography-microwave-induced plasma atomic emission spectrometry after volatilization with sodium tetraethylborate. <i>Journal of Analytical Atomic Spectrometry</i> , 1995 , 10, 111-115	3.7	23
18	Organolead compounds in archives of environmental pollution. <i>Analyst, The</i> , 1995 , 120, 615-621	5	21

17	Determination of volatile sulfur compounds in water samples, beer and coffee with purge and trap gas chromatography-microwave-induced plasma atomic emission spectrometry. <i>Analytica Chimica Acta</i> , 1995 , 316, 93-104	6.6	36
16	Interferences in ultratrace speciation of organolead and organotin by gas chromatography with atomic spectrometric detection. <i>Mikrochimica Acta</i> , 1994 , 113, 287-298	5.8	26
15	Speciation analysis of organotin in water and sediments by gas chromatography with optical spectrometric detection after extraction separation. <i>Analytica Chimica Acta</i> , 1994 , 286, 309-318	6.6	56
14	Speciation analysis of organolead compounds by gas chromatography with atomic spectrometric detection. <i>Analytica Chimica Acta</i> , 1994 , 286, 381-390	6.6	36
13	Determination of trimethyl-lead in rainwater and road dust by capillary GC MIP-AE spectrometry after in situ ethylation and extraction. <i>Applied Organometallic Chemistry</i> , 1994 , 8, 621-627	3.1	16
12	On the origin of organolead compounds in wine. <i>Science of the Total Environment</i> , 1994 , 153, 247-252	10.2	22
11	Present century snow core record of organolead pollution in greenland. <i>Environmental Science & Technology</i> , 1994 , 28, 1467-71	10.3	37
10	Northern hemispheric organic lead emissions in fresh greenland snow. <i>Environmental Science & Technology</i> , 1994 , 28, 1459-66	10.3	14
9	Speciation analysis of organolead compounds in Greenland snow at the femtogram-per-gram level by capillary gas chromatography/atomic emission spectrometry. <i>Analytical Chemistry</i> , 1993 , 65, 2510-2515	7.8	60
8	Flow-injection sample preparation for organotin speciation analysis of water by capillary gas chromatography-microwave-induced plasma atomic emission spectrometry. <i>Analytica Chimica Acta</i> , 1993 , 278, 99-113	6.6	60
7	Recent advances in speciation analysis by capillary gas chromatography-microwave induced plasma atomic emission spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 1993 , 12, 41-49	14.6	39
6	Optimization of comprehensive speciation of organotin compounds in environmental samples by capillary gas chromatography helium microwave-induced plasma emission spectrometry. <i>Analytical Chemistry</i> , 1992 , 64, 159-165	7.8	131
5	Recent Advances in Ultraviolet-Visible Spectrophotometry. <i>Critical Reviews in Analytical Chemistry</i> , 1992 , 23, 55-111	5.2	40
4	Ultratrace speciation analysis of organolead in water by gas chromatography-atomic emission spectrometry after in-liner preconcentration. <i>Journal of Analytical Atomic Spectrometry</i> , 1992 , 7, 987-992	2.7	29
3	Sensitive speciation analysis of lead ion environmental waters by capillary gas chromatography microwave-induced plasma atomic emission spectrometry. <i>Analytica Chimica Acta</i> , 1992 , 262, 285-297	6.6	55
2	Spectrophotometric determination of molybdenum in biological materials based on flotation of its 3,5-dinitrocatechol complex associated with rhodamine B. <i>Microchemical Journal</i> , 1990 , 42, 197-205	4.8	5
1	Flotation-spectrophotometric determination of vanadium with 3,5-dinitrocatechol and Rhodamine B.. <i>Analytical Sciences</i> , 1988 , 4, 629-635	1.7	12