

Ryszard Źabiński

List of Publications by Year in descending order

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218
papers

11,493
citations

18479

62
h-index

43886

91
g-index

220
all docs

220
docs citations

220
times ranked

6878
citing authors

#	ARTICLE	IF	CITATIONS
1	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, 1-16.	4.0	6
2	Deciphering the Metal Speciation in Low-Molecular-Weight Complexes by IMS-MS: Application to the Detection of Manganese Superoxide Dismutase Mimics in Cell Lysates. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	2
3	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.	5.1	36
4	Selenium-regulated hierarchy of human selenoproteome in cancerous and immortalized cells lines. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 2493-2505.	2.4	25
5	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.	5.4	18
6	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
7	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
8	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
9	Recent trends in element speciation analysis of crude oils and heavy petroleum fractions. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 104, 69-76.	11.4	33
10	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.	0.9	7
11	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
12	Advances in mass spectrometry for iron speciation in plants. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 104, 77-86.	11.4	11
13	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.	5.1	24
14	Determination of Proteinaceous Selenocysteine in Selenized Yeast. <i>International Journal of Molecular Sciences</i> , 2018, 19, 543.	4.1	16
15	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
16	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
17	<i>Pseudomonas aeruginosa</i> zinc uptake in chelating environment is primarily mediated by the metallophore pseudopaline. <i>Scientific Reports</i> , 2017, 7, 17132.	3.3	111
18	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

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19	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, 736-741.	4.3	19
20	Biosynthesis of a broad-spectrum nicotianamine-like metallophore in <i>Staphylococcus aureus</i> . <i>Science</i> , 2016, 352, 1105-1109.	12.6	168
21	Imaging of intracellular fatty acids by scanning X-ray fluorescence microscopy. <i>FASEB Journal</i> , 2016, 30, 4149-4158.	0.5	22
22	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.	5.1	27
23	Biological Selenium Species and Selenium Speciation in Biological Samples. , 2016, , 413-424.		3
24	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, 1129-1141.	7.3	87
25	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
26	Petroleomics by Direct Analysis in Real Time-Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 182-185.	2.8	25
27	Impact of a phosphate fertilizer plant on the contamination of marine biota by heavy elements. <i>Environmental Science and Pollution Research</i> , 2015, 22, 14940-14949.	5.3	15
28	A novel branched TAT47-57 peptide for selective Ni ²⁺ introduction into the human fibrosarcoma cell nucleus. <i>Metallomics</i> , 2015, 7, 1155-1162.	2.4	14
29	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
30	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.	2.7	12
31	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.	5.1	9
32	In vitro induction and proteomics characterisation of a uranium-protein interaction network in bovine serum. <i>Metallomics</i> , 2015, 7, 1604-1611.	2.4	6
33	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
34	CHAPTER 7. Focus on Determination of Selenocysteine and Selenomethionine in Foodstuffs of Animal Origin by 2D Size-Exclusion Reversed-Phase HPLC-ICP-MS. <i>Food and Nutritional Components in Focus</i> , 2015, , 126-143.	0.1	0
35	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	31
36	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, 187-195.	5.5	23

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37	Non-denaturing isoelectric focusing gel electrophoresis for uranium-protein complexes quantitative analysis with LA-ICP MS. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 1063-1072.	3.7	18
38	Hemoglobin as a major binding protein for methylmercury in white-sided dolphin liver. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 1121-1129.	3.7	43
39	Ascorbate Efflux as a New Strategy for Iron Reduction and Transport in Plants. <i>Journal of Biological Chemistry</i> , 2014, 289, 2515-2525.	3.4	153
40	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 MS n -Based Identification. <i>Food Analytical Methods</i> , 2014, 7, 1147-1157.	2.6	27
41	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
42	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
43	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
44	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, 3517-3520.	3.7	6
45	Speciation analysis for trace levels of selenoproteins in cultured human cells. <i>Journal of Proteomics</i> , 2014, 108, 316-324.	2.4	26
46	Different uranium distribution patterns in cytosolic protein pool of zebrafish gills after chronic and acute waterborne exposures. <i>Chemosphere</i> , 2014, 111, 412-417.	8.2	14
47	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.	2.4	9
48	1st Franco-Japanese Workshop on Metallomics, Pau, France. <i>Metallomics</i> , 2013, 5, 1468.	2.4	0
49	Speciation and identification of tellurium-containing metabolites in garlic, <i>Allium sativum</i> . <i>Metallomics</i> , 2013, 5, 1215.	2.4	25
50	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, 14-18.	5.5	8
51	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.	2.4	47
52	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, 2196-2204.	3.8	38
53	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-MSn). <i>Metallomics</i> , 2012, 4, 422.	2.4	40
54	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.	3.0	17

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55	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.	2.4	33
56	Toxic and essential elements in Lebanese cheese. <i>Food Additives and Contaminants: Part B Surveillance</i> , 2012, 5, 172-181.	2.8	11
57	Application of TLC and LA ICP SF MS for speciation of S, Ni and V in petroleum samples. <i>Talanta</i> , 2012, 97, 574-578.	5.5	32
58	Comprehensive speciation of selenium in selenium-rich yeast. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 41, 122-132.	11.4	85
59	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.	5.1	70
60	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.	3.0	14
61	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.	2.7	14
62	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.	3.0	20
63	New Passive Water Tracers for Oil Field Applications. <i>Energy & Fuels</i> , 2011, 25, 4488-4496.	5.1	16
64	Bioaccessibility of essential elements from white cheese, bread, fruit and vegetables. <i>Talanta</i> , 2011, 86, 425-428.	5.5	95
65	One-step coating of silica capillaries for selective protein retention by Cu(II)-IDA IMAC. <i>Talanta</i> , 2011, 87, 168-173.	5.5	5
66	Inductively-Coupled Plasma Mass Spectrometry in Proteomics, Metabolomics and Metallomics Studies. <i>European Journal of Mass Spectrometry</i> , 2010, 16, 243-253.	1.0	22
67	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, 1355-1364.	3.7	17
68	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, 435-449.	3.7	15
69	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, 1178-1180.	2.3	11
70	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, 124-129.	3.0	6
71	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, 175-190.	5.4	66
72	Metallomics: Guidelines for terminology and critical evaluation of analytical chemistry approaches (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2010, 82, 493-504.	1.9	92

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73	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.	3.0	95
74	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, 6947-6957.	6.5	25
75	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.	3.0	24
76	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.	3.0	73
77	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.	3.0	14
78	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.	3.0	35
79	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.	3.0	25
80	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.	2.4	21
81	<i>In vivo</i> screening of proteins likely to bind uranium in exposed rat kidney. <i>Radiochimica Acta</i> , 2009, 97, 367-373.	1.2	15
82	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.	2.9	15
83	Element speciation analysis of petroleum and related materials. <i>Journal of Analytical Atomic Spectrometry</i> , 2009, 24, 263.	3.0	94
84	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.	5.1	51
85	Multimodal analysis of metals in copper~zinc superoxide dismutase isoforms separated on electrophoresis gels. <i>Biochimie</i> , 2009, 91, 1324-1327.	2.6	24
86	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, 1039-1043.	5.5	62
87	<i>Metallomics: the concept and methodology</i> . <i>Chemical Society Reviews</i> , 2009, 38, 1119.	38.1	309
88	Multiplexed Determination of Protein Biomarkers Using Metal-Tagged Antibodies and Size Exclusion Chromatography~Inductively Coupled Plasma Mass Spectrometry. <i>Analytical Chemistry</i> , 2009, 81, 9440-9448.	6.5	83
89	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.	2.4	77
90	A Common Highly Conserved Cadmium Detoxification Mechanism from Bacteria to Humans. <i>Journal of Biological Chemistry</i> , 2009, 284, 4936-4943.	3.4	95

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91	Characterization of metal-peptide complexes in feed supplements of essential trace elements. <i>Metallomics</i> , 2009, 1, 235.	2.4	11
92	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.	2.4	52
93	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
94	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
95	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.	3.0	44
96	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, 1140-1145.	5.5	39
97	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, 1183-1188.	5.5	79
98	Speciation Analysis of Selenium Metabolites in Yeast-Based Food Supplements by ICPMS-Assisted Hydrophilic Interaction HPLC-Hybrid Linear Ion Trap/Orbitrap MS. <i>Analytical Chemistry</i> , 2008, 80, 3975-3984.	6.5	65
99	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
100	Characterization of the selenocysteine-containing metabolome in selenium-rich yeast : Part 1. Identification of new species by multi-dimensional liquid chromatography with parallel ICP-MS and electrospray Q-TOFMS/MS detection. <i>Journal of Analytical Atomic Spectrometry</i> , 2008, 23, 72-83.	3.0	40
101	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.	3.0	30
102	Characterization of the selenocysteine-containing metabolome in selenium-rich yeast : Part II. On the reliability of the quantitative determination of selenocysteine. <i>Journal of Analytical Atomic Spectrometry</i> , 2008, 23, 744.	3.0	36
103	Challenges to metallomics and analytical chemistry solutions. <i>Pure and Applied Chemistry</i> , 2008, 80, 2565-2575.	1.9	28
104	Investigation of the stability of selenoproteins during storage of human serum by size-exclusion LC-ICP-MS. <i>Talanta</i> , 2007, 71, 1813-1816.	5.5	33
105	A study of the Pb(II) binding to recombinant mouse Zn7-metlothionein 1 and its domains by ESI TOF MS. <i>Talanta</i> , 2007, 72, 480-488.	5.5	20
106	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.	3.0	50
107	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.	3.0	20
108	Standardless identification of selenocystathionine and its γ -glutamyl derivatives in monkeypot nuts by 3D liquid chromatography with ICP-MS detection followed by nanoHPLC-Q-TOF-MS/MS. <i>Analyst</i> , The, 2007, 132, 439-449.	3.5	33

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109	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.	3.0	50
110	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
111	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, 6874-6880.	6.5	56
112	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.	11.4	35
113	Multitechnique mass-spectrometric approach for the detection of bovine glutathione peroxidase selenoprotein: focus on the selenopeptide. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 388, 585-591.	3.7	26
114	Determination of iodine in human milk and infant formulas. <i>Journal of Trace Elements in Medicine and Biology</i> , 2007, 21, 10-13.	3.0	31
115	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
116	Identification of new selenium non-peptide species in selenised yeast by nanoHPLC electrospray Q/time-of-flight-MS/MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2006, 21, 655-665.	3.0	24
117	Determination of mercury in organic solvents and gas condensates by flow-injection inductively coupled plasma mass spectrometry using a modified total consumption micronebulizer fitted with single pass spray chamber. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2006, 61, 1063-1068.	2.9	34
118	Development of a Nebulizer for a Sheathless Interfacing of NanoHPLC and ICPMS. <i>Analytical Chemistry</i> , 2006, 78, 965-971.	6.5	76
119	Speciation of non-covalent nickel species in plant tissue extracts by electrospray 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.	3.0	72
120	Fractionation of selenium-containing proteins in serum by multiaffinity liquid chromatography before size-exclusion chromatography ICPMS. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 384, 1276-1283.	3.7	41
121	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
122	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, 948-953.	3.7	20
123	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, 1098-1108.	3.7	94
124	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, 829-836.	2.5	23
125	Mass spectrometry in bioinorganic analytical chemistry. <i>Mass Spectrometry Reviews</i> , 2006, 25, 255-289.	5.4	185
126	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, 4111-4122.	4.8	129

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127	Analysis of the selenium species distribution in cow blood by size exclusion liquid chromatography~inductively coupled plasma collision cell mass spectrometry (SEC~ICPccMS). Analytical and Bioanalytical Chemistry, 2005, 383, 516-522.	3.7	34
128	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. Journal of Analytical Atomic Spectrometry, 2005, 20, 493.	3.0	34
129	Ultratrace determination of uranium and plutonium by nano-volume flow injection double-focusing sector field inductively coupled plasma mass spectrometry (nFI~ICP-SFMS). Journal of Analytical Atomic Spectrometry, 2005, 20, 17-21.	3.0	88
130	Speciation of selenium in selenium-enriched shiitake mushroom, Lentinula edodes. Analytical and Bioanalytical Chemistry, 2004, 379, 861-866.	3.7	94
131	Determination of Tl(I) and Tl(III) by IC-ICP-MS and application to Tl speciation analysis in the Tl hyperaccumulator plant Iberis intermedia. Journal of Analytical Atomic Spectrometry, 2004, 19, 757-761.	3.0	50
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