

Ryszard Lobinski

List of Publications by Year in descending order

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163
papers

7,978
citations

41258

49
h-index

60497

81
g-index

168
all docs

168
docs citations

168
times ranked

5923
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	0.9	810
2	Metallomics: the concept and methodology. <i>Chemical Society Reviews</i> , 2009, 38, 1119.	18.7	309
3	Mass spectrometry in bioinorganic analytical chemistry. <i>Mass Spectrometry Reviews</i> , 2006, 25, 255-289.	2.8	185
4	Biosynthesis of a broad-spectrum nicotianamine-like metallophore in <i>Staphylococcus aureus</i> . <i>Science</i> , 2016, 352, 1105-1109.	6.0	168
5	Ascorbate Efflux as a New Strategy for Iron Reduction and Transport in Plants. <i>Journal of Biological Chemistry</i> , 2014, 289, 2515-2525.	1.6	153
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.	3.2	152
7	Hyphenated Techniques for Elemental Speciation in Biological Systems. <i>Applied Spectroscopy</i> , 2003, 57, 102A-112A.	1.2	144
8	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.	3.2	139
9	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, 2740-2745.	3.2	136
10	Microwave-Assisted Leaching of Organotin Compounds from Sediments for Speciation Analysis. <i>Analytical Chemistry</i> , 1995, 67, 4250-4254.	3.2	133
11	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.	2.4	129
12	<i>Pseudomonas aeruginosa</i> zinc uptake in chelating environment is primarily mediated by the metallophore pseudopaline. <i>Scientific Reports</i> , 2017, 7, 17132.	1.6	111
13	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.	1.9	108
14	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, 6635-6642.	3.2	106
15	Gas chromatography with inductively coupled plasma mass spectrometric detection in speciation analysis. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2002, 57, 805-828.	1.5	104
16	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.	1.6	100
17	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.	1.6	95
18	Bioaccessibility of essential elements from white cheese, bread, fruit and vegetables. <i>Talanta</i> , 2011, 86, 425-428.	2.9	95

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19	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.	1.9	94
20	Element speciation analysis of petroleum and related materials. <i>Journal of Analytical Atomic Spectrometry</i> , 2009, 24, 263.	1.6	94
21	Metallomics: Guidelines for terminology and critical evaluation of analytical chemistry approaches (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2010, 82, 493-504.	0.9	92
22	Characterization of Arsenic Species in Kidney of the Clam <i>Tridacna derasaby</i> by Multidimensional Liquid Chromatography-ICPMS and Electrospray Time-of-Flight Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2002, 74, 2370-2378.	3.2	87
23	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.	3.5	87
24	Metallobiomolecules. The basis of life, the challenge of atomic spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 1.	1.6	86
25	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.	1.9	85
26	Comprehensive speciation of selenium in selenium-rich yeast. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 41, 122-132.	5.8	85
27	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</i> , 2002, 127, 223-229.	1.7	84
28	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.	3.2	83
29	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, 307-317.	2.9	80
30	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.	2.9	79
31	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.	1.0	77
32	Development of a Nebulizer for a Sheathless Interfacing of NanoHPLC and ICPMS. <i>Analytical Chemistry</i> , 2006, 78, 965-971.	3.2	76
33	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.	1.6	73
34	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.	3.2	71
35	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.	2.5	70
36	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.	2.6	67

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37	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.	2.6	66
38	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.	3.2	65
39	Polymorphism and Identification of Metallothionein Isoforms by Reversed-Phase HPLC with On-Line Ion-Spray Mass Spectrometric Detection. <i>Analytical Chemistry</i> , 1998, 70, 2536-2543.	3.2	62
40	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.	2.9	62
41	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</i> , 2003, 128, 220-224.	1.7	61
42	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.	1.6	58
43	Investigation of metal complexes with metallothionein in rat tissues by hyphenated techniques. <i>Journal of Inorganic Biochemistry</i> , 2002, 88, 197-206.	1.5	57
44	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.	3.2	56
45	Identification of anionic selenium species in Se-rich yeast by electrospray QTOF MS/MS and hybrid linear ion trap/orbitrap MS. <i>Metallomics</i> , 2009, 1, 317.	1.0	52
46	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.	1.6	52
47	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.	2.5	51
48	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.	1.6	50
49	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.	1.6	50
50	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, 431-439.	1.8	49
51	Speciation analysis of organolead compounds by gas chromatography with atomic spectrometric detection. <i>Analytica Chimica Acta</i> , 1994, 286, 381-390.	2.6	47
52	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.	1.6	47
53	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.	1.2	47
54	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.	1.6	46

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55	Characterization of horse kidney metallothionein isoforms by electrospray MS and reversed-phase HPLC-electrospray MS. <i>Analyst</i> , 1998, 123, 2125-2130.	1.7	45
56	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.	1.6	44
57	Hemoglobin as a major binding protein for methylmercury in white-sided dolphin liver. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 1121-1129.	1.9	43
58	Antimicrobial silver targets glyceraldehyde-3-phosphate dehydrogenase in glycolysis of <i>E. coli</i> . <i>Chemical Science</i> , 2019, 10, 7193-7199.	3.7	42
59	A Comparative Study of Gas Chromatography with Atomic Absorption and Atomic Emission Detection for the Speciation Analysis of Organotin. <i>Analytical Sciences</i> , 1993, 9, 273-278.	0.8	41
60	Present Century Snow Core Record of Organolead Pollution in Greenland. <i>Environmental Science & Technology</i> , 1994, 28, 1467-1471.	4.6	41
61	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.	1.9	41
62	Comparative cytotoxicity of cadmium forms (CdCl ₂ , CdO, CdS micro- and nanoparticles) in renal cells. <i>Toxicology Research</i> , 2014, 3, 32-41.	0.9	41
63	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.	1.6	40
64	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.	1.0	40
65	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.	1.6	38
66	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.	2.5	38
67	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.	1.6	36
68	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.	2.5	36
69	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.	5.8	36
70	Title is missing!. <i>Journal of Analytical Atomic Spectrometry</i> , 2001, 16, 1329-1332.	1.6	35
71	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.	5.8	35
72	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.	1.6	35

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73	Is Ag(I) an adequate probe for Cu(I) in structural copper metallothionein studies?. <i>Journal of Biological Inorganic Chemistry</i> , 2003, 8, 831-842.	1.1	34
74	Analysis of the selenium species distribution in cow blood by size exclusion liquid chromatography-inductively coupled plasma collision cell mass spectrometry (SEC-ICP-MS). <i>Analytical and Bioanalytical Chemistry</i> , 2005, 383, 516-522.	1.9	34
75	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.	1.6	34
76	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.	2.6	34
77	Standardless identification of selenocystathionine and its γ -glutamyl derivatives in monkey nuts by 3D liquid chromatography with ICP-MS detection followed by nanoHPLC-Q-TOF-MS/MS. <i>Analyst</i> , 2007, 132, 439-449.	1.7	33
78	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.	1.0	33
79	Recent trends in element speciation analysis of crude oils and heavy petroleum fractions. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 104, 69-76.	5.8	33
80	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.	2.9	32
81	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.	3.7	31
82	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.	1.6	30
83	Challenges to metallomics and analytical chemistry solutions. <i>Pure and Applied Chemistry</i> , 2008, 80, 2565-2575.	0.9	28
84	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.	1.3	27
85	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.	2.5	27
86	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.	1.9	26
87	Speciation analysis for trace levels of selenoproteins in cultured human cells. <i>Journal of Proteomics</i> , 2014, 108, 316-324.	1.2	26
88	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.	3.2	25
89	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.	1.6	25
90	Petroleomics by Direct Analysis in Real Time-Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 182-185.	1.2	25

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91	Selenium-regulated hierarchy of human selenoproteome in cancerous and immortalized cells lines. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 2493-2505.	1.1	25
92	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.	3.5	25
93	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.	1.6	24
94	Multimodal analysis of metals in copper-zinc superoxide dismutase isoforms separated on electrophoresis gels. <i>Biochimie</i> , 2009, 91, 1324-1327.	1.3	24
95	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.	1.6	24
96	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.	2.5	24
97	Speciation Analysis of Organolead Compounds in Wine by Capillary Gas Chromatography/Microwave-Induced-Plasma Atomic Emission Spectrometry. <i>Journal of AOAC INTERNATIONAL</i> , 1993, 76, 1262-1267.	0.7	23
98	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.	1.3	23
99	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.	2.9	23
100	Ultra-High Resolution Elemental/Isotopic Mass Spectrometry ($m/\bar{m} > 1,000,000$): 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.	1.2	23
101	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.	1.7	22
102	Inductively-Coupled Plasma Mass Spectrometry in Proteomics, Metabolomics and Metallomics Studies. <i>European Journal of Mass Spectrometry</i> , 2010, 16, 243-253.	0.5	22
103	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.	1.0	21
104	Trace element speciation in food: State of the art of analytical techniques and methods. <i>Pure and Applied Chemistry</i> , 2012, 84, 169-179.	0.9	21
105	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.	1.9	20
106	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.	1.6	20
107	Speciation of essential nutrient trace elements in coconut water. <i>Food Chemistry</i> , 2021, 339, 127680.	4.2	20
108	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.	2.2	19

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109	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.	1.9	18
110	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.	2.4	18
111	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.	2.6	18
112	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.	5.8	18
113	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.	1.6	18
114	Flotation-Spectrophotometric Determination of Vanadium with 3,5-Dinitrocatechol and Rhodamine B. <i>Analytical Sciences</i> , 1988, 4, 629-635.	0.8	17
115	Northern Hemispheric Organic Lead Emissions in Fresh Greenland Snow. <i>Environmental Science & Technology</i> , 1994, 28, 1459-1466.	4.6	17
116	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.	1.9	17
117	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.	1.6	17
118	Large-scale speciation of selenium in rice proteins using ICP-MS assisted electrospray MS/MS proteomics. <i>Metallomics</i> , 2014, 6, 646.	1.0	17
119	New Passive Water Tracers for Oil Field Applications. <i>Energy & Fuels</i> , 2011, 25, 4488-4496.	2.5	16
120	Determination of Proteinaceous Selenocysteine in Selenized Yeast. <i>International Journal of Molecular Sciences</i> , 2018, 19, 543.	1.8	16
121	Involvement of the <i>Pseudomonas aeruginosa</i> MexAB-OprM efflux pump in the secretion of the metallophore pseudopaline. <i>Molecular Microbiology</i> , 2021, 115, 84-98.	1.2	16
122	<i>In vivo</i> screening of proteins likely to bind uranium in exposed rat kidney. <i>Radiochimica Acta</i> , 2009, 97, 367-373.	0.5	15
123	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.	1.5	15
124	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.	1.9	15
125	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.	1.6	14
126	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.	1.6	14

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127	Different uranium distribution patterns in cytosolic protein pool of zebrafish gills after chronic and acute waterborne exposures. <i>Chemosphere</i> , 2014, 111, 412-417.	4.2	14
128	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.	2.6	14
129	Identification and determination of selenocysteine, selenosugar, and other selenometabolites in turkey liver. <i>Metallomics</i> , 2020, 12, 758-766.	1.0	14
130	Characterization and Quantification of Selenoprotein P: Challenges to Mass Spectrometry. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6283.	1.8	14
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