

Ryszard Lobinski

List of Publications by Year in descending order

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163
papers

7,978
citations

41344
49
h-index

60623
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). Pure and Applied Chemistry, 2000, 72, 1453-1470.	1.9	810
2	Metallomics: the concept and methodology. Chemical Society Reviews, 2009, 38, 1119.	38.1	309
3	Mass spectrometry in bioinorganic analytical chemistry. Mass Spectrometry Reviews, 2006, 25, 255-289.	5.4	185
4	Biosynthesis of a broad-spectrum nicotianamine-like metallophore in <i>Staphylococcus aureus</i> . Science, 2016, 352, 1105-1109.	12.6	168
5	Ascorbate Efflux as a New Strategy for Iron Reduction and Transport in Plants. Journal of Biological Chemistry, 2014, 289, 2515-2525.	3.4	153
6	Optimization of comprehensive speciation of organotin compounds in environmental samples by capillary gas chromatography helium microwave-induced plasma emission spectrometry. Analytical Chemistry, 1992, 64, 159-165.	6.5	152
7	Hyphenated Techniques for Elemental Speciation in Biological Systems. Applied Spectroscopy, 2003, 57, 102A-112A.	2.2	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. Analytical Chemistry, 2003, 75, 3765-3774.	6.5	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. Analytical Chemistry, 2003, 75, 2740-2745.	6.5	136
10	Microwave-Assisted Leaching of Organotin Compounds from Sediments for Speciation Analysis. Analytical Chemistry, 1995, 67, 4250-4254.	6.5	133
11	Root-to-shoot long-distance circulation of nicotianamine and nicotianamine-nickel chelates in the metal hyperaccumulator <i>Thlaspi caerulescens</i> . Journal of Experimental Botany, 2006, 57, 4111-4122.	4.8	129
12	<i>Pseudomonas aeruginosa</i> zinc uptake in chelating environment is primarily mediated by the metallophore pseudopaline. Scientific Reports, 2017, 7, 17132.	3.3	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. Analytical and Bioanalytical Chemistry, 2008, 390, 1789-1798.	3.7	108
14	Determination of Selenomethionine and Selenocysteine in Human Serum Using Speciated Isotope Dilution-Capillary HPLC-Inductively Coupled Plasma Collision Cell Mass Spectrometry. Analytical Chemistry, 2004, 76, 6635-6642.	6.5	106
15	Gas chromatography with inductively coupled plasma mass spectrometric detection in speciation analysis. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2002, 57, 805-828.	2.9	104
16	Precise determination of the strontium isotope ratios in wine by inductively coupled plasma sector field multicollector mass spectrometry (ICP-SF-MC-MS). Journal of Analytical Atomic Spectrometry, 2002, 17, 135-137.	3.0	100
17	Reactivity of anticancer metallodrugs with serum proteins: new insights from size exclusion chromatography-ICP-MS and ESI-MS. Journal of Analytical Atomic Spectrometry, 2010, 25, 305.	3.0	95
18	Bioaccessibility of essential elements from white cheese, bread, fruit and vegetables. Talanta, 2011, 86, 425-428.	5.5	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.	3.7	94
20	Element speciation analysis of petroleum and related materials. <i>Journal of Analytical Atomic Spectrometry</i> , 2009, 24, 263.	3.0	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.	1.9	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.	6.5	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.	7.3	87
24	Metallobiomolecules. The basis of life, the challenge of atomic spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 1.	3.0	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.	3.7	85
26	Comprehensive speciation of selenium in selenium-rich yeast. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 41, 122-132.	11.4	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.	3.5	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.	6.5	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.	5.5	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.	5.5	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.	2.4	77
32	Development of a Nebulizer for a Sheathless Interfacing of NanoHPLC and ICPMS. <i>Analytical Chemistry</i> , 2006, 78, 965-971.	6.5	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.	3.0	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.	6.5	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.	5.1	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.	5.4	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.	5.4	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.	6.5	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.	6.5	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.	5.5	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.	3.5	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.	3.0	58
43	Investigation of metal complexes with metallothionein in rat tissues by hyphenated techniques. <i>Journal of Inorganic Biochemistry</i> , 2002, 88, 197-206.	3.5	57
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.	6.5	56
45	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
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.	3.0	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.	5.1	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.	3.0	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.	3.0	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.	3.7	49
51	Speciation analysis of organolead compounds by gas chromatography with atomic spectrometric detection. <i>Analytica Chimica Acta</i> , 1994, 286, 381-390.	5.4	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.	3.0	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.	2.4	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.	3.0	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.	3.5	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.	3.0	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.	3.7	43
58	Antimicrobial silver targets glyceraldehyde-3-phosphate dehydrogenase in glycolysis of <i>E. coli</i> . <i>Chemical Science</i> , 2019, 10, 7193-7199.	7.4	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.	1.6	41
60	Present Century Snow Core Record of Organolead Pollution in Greenland. <i>Environmental Science & Technology</i> , 1994, 28, 1467-1471.	10.0	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.	3.7	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.	2.1	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.	3.0	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.	2.4	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.	3.0	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.	3.8	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.	3.0	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.	5.1	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.	11.4	36
70	Title is missing!. <i>Journal of Analytical Atomic Spectrometry</i> , 2001, 16, 1329-1332.	3.0	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.	11.4	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.	3.0	35

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73	Is Ag(I) an adequate probe for Cu(I) in structural copperâ€“metallothionein studies?. Journal of Biological Inorganic Chemistry, 2003, 8, 831-842.	2.6	34
74	Analysis of the selenium species distribution in cow blood by size exclusion liquid chromatographyâ€“inductively coupled plasma collision cell mass spectrometry (SECâ€“ICPccMS). Analytical and Bioanalytical Chemistry, 2005, 383, 516-522.	3.7	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. Journal of Analytical Atomic Spectrometry, 2005, 20, 493.	3.0	34
76	Specific determination of selenoaminoacids in whole milk by 2D size-exclusion-ion-pairing reversed phase high-performance liquid chromatographyâ€“inductively coupled plasma mass spectrometry (HPLCâ€“ICP MS). Analytica Chimica Acta, 2008, 624, 195-202.	5.4	34
77	Standardless identification of selenocystathionine and its γ -glutamyl derivatives in monkey nuts by 3D liquid chromatography with ICP-MS detection followed by nanoHPLCâ€“Q-TOF-MS/MS. Analyst, The, 2007, 132, 439-449.	3.5	33
78	Probing of bismuth antiulcer drug targets in H. pylori by laser ablation-inductively coupled plasma mass spectrometry. Metallomics, 2012, 4, 277.	2.4	33
79	Recent trends in element speciation analysis of crude oils and heavy petroleum fractions. TrAC - Trends in Analytical Chemistry, 2018, 104, 69-76.	11.4	33
80	Application of TLC and LA ICP SF MS for speciation of S, Ni and V in petroleum samples. Talanta, 2012, 97, 574-578.	5.5	32
81	Monitoring the behaviour and fate of nickel and vanadium complexes during vacuum residue hydrotreatment and fraction separation. Fuel Processing Technology, 2014, 119, 185-189.	7.2	31
82	LA-ICP-MS studies of zinc exchange by copper in bovine serum albumin using an isotopic enriched copper tracer. Journal of Analytical Atomic Spectrometry, 2008, 23, 1076.	3.0	30
83	Challenges to metallomics and analytical chemistry solutions. Pure and Applied Chemistry, 2008, 80, 2565-2575.	1.9	28
84	Quantification of Se-Methylselenocysteine and Its γ -Glutamyl Derivative from Naturally Se-Enriched Green Bean (Phaseolus vulgaris vulgaris) After HPLC-ESI-TOF-MS and Orbitrap MS n -Based Identification. Food Analytical Methods, 2014, 7, 1147-1157.	2.6	27
85	Study of the Aggregation of Metal Complexes with Asphaltenes Using Gel Permeation Chromatography Inductively Coupled Plasma High-Resolution Mass Spectrometry. Energy & Fuels, 2016, 30, 6907-6912.	5.1	27
86	Multitechnique mass-spectrometric approach for the detection of bovine glutathione peroxidase selenoprotein: focus on the selenopeptide. Analytical and Bioanalytical Chemistry, 2007, 388, 585-591.	3.7	26
87	Speciation analysis for trace levels of selenoproteins in cultured human cells. Journal of Proteomics, 2014, 108, 316-324.	2.4	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. Analytical Chemistry, 2010, 82, 6947-6957.	6.5	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). Journal of Analytical Atomic Spectrometry, 2010, 25, 1974.	3.0	25
90	Petroleomics by Direct Analysis in Real Time-Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2016, 27, 182-185.	2.8	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.	2.4	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.	6.2	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.	3.0	24
94	Multimodal analysis of metals in copper/zinc superoxide dismutase isoforms separated on electrophoresis gels. <i>Biochimie</i> , 2009, 91, 1324-1327.	2.6	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.	3.0	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.	5.1	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.	1.5	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.	2.5	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.	5.5	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.	2.8	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.	3.5	22
102	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
103	Probing the metal-homeostasis 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
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.	1.9	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.	3.7	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.	3.0	20
107	Speciation of essential nutrient trace elements in coconut water. <i>Food Chemistry</i> , 2021, 339, 127680.	8.2	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.	4.3	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.	3.7	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.	5.2	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.	5.4	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.	11.4	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.	3.0	18
114	Flotation-Spectrophotometric Determination of Vanadium with 3,5-Dinitrocatechol and Rhodamine B. <i>Analytical Sciences</i> , 1988, 4, 629-635.	1.6	17
115	Northern Hemispheric Organic Lead Emissions in Fresh Greenland Snow. <i>Environmental Science & Technology</i> , 1994, 28, 1459-1466.	10.0	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.	3.7	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.	3.0	17
118	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
119	New Passive Water Tracers for Oil Field Applications. <i>Energy & Fuels</i> , 2011, 25, 4488-4496.	5.1	16
120	Determination of Proteinaceous Selenocysteine in Selenized Yeast. <i>International Journal of Molecular Sciences</i> , 2018, 19, 543.	4.1	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.	2.5	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.	1.2	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.	2.9	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.	3.7	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.	3.0	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.	3.0	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.	8.2	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.	5.4	14
129	Identification and determination of selenocysteine, selenosugar, and other selenometabolites in turkey liver. <i>Metallomics</i> , 2020, 12, 758-766.	2.4	14
130	Characterization and Quantification of Selenoprotein P: Challenges to Mass Spectrometry. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6283.	4.1	14
131	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
132	An LC-MS/MS Method for a Comprehensive Determination of Metabolites of BTEX Anaerobic Degradation in Bacterial Cultures and Groundwater. <i>Water (Switzerland)</i> , 2020, 12, 1869.	2.7	12
133	Characterization of metal-peptide complexes in feed supplements of essential trace elements. <i>Metallomics</i> , 2009, 1, 235.	2.4	11
134	Advances in mass spectrometry for iron speciation in plants. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 104, 77-86.	11.4	11
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