

# Zoltan Mester

## 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.

227  
papers

6,568  
citations

43  
h-index

65  
g-index

235  
ext. papers

7,137  
ext. citations

4.9  
avg, IF

5.99  
L-index

#	Paper	IF	Citations
227	From sea salt to seawater: a novel approach for the production of water CRMs .. <i>Analytical and Bioanalytical Chemistry</i> , <b>2022</b> , 1	4.4	0
226	A mass spectrometric study of hydride generated arsenic species identified by direct analysis in real time (DART) following cryotrapping. <i>Analytical and Bioanalytical Chemistry</i> , <b>2021</b> , 413, 3443-3453	4.4	1
225	Ash-Decorated and Ash-Painted Soot from Residual and Distillate-Fuel Combustion in Four Marine Engines and One Aviation Engine. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 6584-6593	10.3	4
224	Compilation of selenium metabolite data in selenized yeasts. <i>Metallomics</i> , <b>2021</b> , 13,	4.5	1
223	Effective density and metals content of particle emissions generated by a diesel engine operating under different marine fuels. <i>Journal of Aerosol Science</i> , <b>2021</b> , 151, 105651	4.3	3
222	Determination of 27 metals in HISS-1, MESS-4 and PACS-3 marine sediment certified reference materials by the BCR sequential extraction. <i>Talanta</i> , <b>2021</b> , 221, 121543	6.2	5
221	Determination of chloride in crude oil using isotope dilution GCMS: A comparative study. <i>Fuel</i> , <b>2021</b> , 285, 119167	7.1	3
220	Tessier sequential extraction on 17 elements from three marine sediment certified reference materials (HISS-1, MESS-4, and PACS-3). <i>Analytical and Bioanalytical Chemistry</i> , <b>2021</b> , 413, 1047-1057	4.4	1
219	Conversion of Inorganic Chlorides into Organochlorine Compounds during Crude Oil Distillation: Myth or Reality?. <i>Energy &amp; Fuels</i> , <b>2021</b> , 35, 894-897	4.1	1
218	Copper-ion assisted photochemical vapor generation of bromide and bromate. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2021</b> , 36, 1235-1243	3.7	9
217	Preparation and certification of natural and <sup>82</sup> Se-labelled selenomethionine reference materials. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2021</b> , 36, 416-428	3.7	2
216	Discontinuity in the Realization of the Vienna Peedee Belemnite Carbon Isotope Ratio Scale. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 10740-10743	7.8	0
215	Determination of Metallic Impurities in Carbon Nanotubes by Glow Discharge Mass Spectrometry. <i>ACS Omega</i> , <b>2021</b> , 6, 22717-22725	3.9	1
214	Collaborative determination of trace element mass fractions and isotope ratios in AQUA-1 drinking water certified reference material. <i>Analytical and Bioanalytical Chemistry</i> , <b>2021</b> , 413, 4959-4978	4.4	3
213	CRM rapid response approach for the certification of arsenic species and toxic trace elements in baby cereal coarse rice flour certified reference material BARI-1. <i>Analytical and Bioanalytical Chemistry</i> , <b>2020</b> , 412, 4363-4373	4.4	1
212	Determination of chromium picolinate and trace hexavalent chromium in multivitamins and supplements by HPLC-ICP-QQQ-MS. <i>Journal of Food Composition and Analysis</i> , <b>2020</b> , 87, 103421	4.1	11
211	Copper Isotopic Analysis in Geological and Biological Reference Materials by MC-ICP-MS. <i>Geostandards and Geoanalytical Research</i> , <b>2020</b> , 44, 349-362	3.6	20

210	Determination of the Isotopic Composition of Gadolinium Using Multicollector Inductively Coupled Plasma Mass Spectrometry. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 6103-6110	7.8	2
209	Final report of CCQM-K86.c. Relative quantification of genomic DNA fragments extracted from a biological tissue. <i>Metrologia</i> , <b>2020</b> , 57, 08004-08004	2.1	4
208	On the long-term stability of the triple-point-of-water cells. <i>Metrologia</i> , <b>2020</b> , 57, 065032	2.1	3
207	The comparability of the determination of the molar mass of silicon highly enriched in <sup>28</sup> Si: results of the CCQM-P160 interlaboratory comparison and additional external measurements. <i>Metrologia</i> , <b>2020</b> , 57, 065028	2.1	1
206	Addressing the presence of biogenic selenium nanoparticles in yeast cells: analytical strategies based on ICP-TQ-MS. <i>Analyst, The</i> , <b>2020</b> , 145, 1457-1465	5	21
205	Determination of the isotopic composition of lutetium using MC-ICPMS. <i>Analytical and Bioanalytical Chemistry</i> , <b>2020</b> , 412, 6257-6263	4.4	4
204	Arsenic speciation in sea cucumbers: Identification and quantitation of water-extractable species. <i>Environmental Pollution</i> , <b>2020</b> , 266, 115190	9.3	8
203	Development of low and elevated level multivitamin and mineral supplement certified reference materials: VITA-1 and VITB-1. <i>Accreditation and Quality Assurance</i> , <b>2020</b> , 25, 201-220	0.7	1
202	Novel Approach for the Accurate Determination of Se Isotope Ratio by Multicollector ICP-MS. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 16097-16104	7.8	6
201	Determination of selenocyanate, selenate, and selenite in mining wastewater by GC-MS using sequential derivatization and extraction. <i>Science of the Total Environment</i> , <b>2020</b> , 745, 140877	10.2	3
200	Application of direct analysis in real time to study chemical vapor generation mechanisms: reduction of dimethylarsinic(V) acid with aqueous NaBH under non-analytical conditions. <i>Analytical and Bioanalytical Chemistry</i> , <b>2020</b> , 412, 7603-7613	4.4	4
199	Selective Gas Chromatography Mass Spectrometry Method for Ultratrace Detection of Selenocyanate. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 12162-12166	7.8	6
198	Application of direct analysis in real time to the study of chemical vapor generation mechanisms: identification of intermediate hydrolysis products of amine-boranes. <i>Analytical and Bioanalytical Chemistry</i> , <b>2019</b> , 411, 1569-1578	4.4	5
197	Cryo-EM reveals the structural basis of long-range electron transport in a cytochrome-based bacterial nanowire. <i>Communications Biology</i> , <b>2019</b> , 2, 219	6.7	66
196	Certification of nitrate in spinach powder reference material SPIN-1 by high-precision isotope dilution GC-MS. <i>Analytical and Bioanalytical Chemistry</i> , <b>2019</b> , 411, 3435-3445	4.4	5
195	Amount of substance and the mole in the SI. <i>Metrologia</i> , <b>2019</b> , 56, 044002	2.1	8
194	High-Precision Measurements of the Isotopic Composition of Common Lead Using MC-ICPMS: Comparison of Calibration Strategies Based on Full Gravimetric Isotope Mixture and Regression Models. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 4164-4171	7.8	15
193	A rapid and sensitive method for the determination of inorganic chloride in oil samples. <i>Analytica Chimica Acta</i> , <b>2019</b> , 1064, 40-46	6.6	9

192	Determination of elevated levels of nitrate in vegetable powders by high-precision isotope dilution GC-MS. <i>Food Chemistry</i> , <b>2019</b> , 286, 710-714	8.5	5
191	Quantitation of Selenomethionine in Multivitamins and Selenium Supplements by High Performance Liquid Chromatography Inductively-Coupled Plasma Mass Spectrometry. <i>Food Analytical Methods</i> , <b>2019</b> , 12, 1316-1326	3.4	6
190	Carbon isotope measurements of foods containing sugar: A survey. <i>Food Chemistry</i> , <b>2019</b> , 300, 125106	8.5	5
189	Determination of the isotopic composition of hafnium using MC-ICPMS. <i>Metrologia</i> , <b>2019</b> , 56, 044008	2.1	8
188	Determination of the isotopic composition of tungsten using MC-ICP-MS. <i>Analytica Chimica Acta</i> , <b>2019</b> , 1089, 19-24	6.6	6
187	Final report on APMP.QM-S10: elements in food supplement. <i>Metrologia</i> , <b>2019</b> , 56, 08009-08009	2.1	0
186	Recent trends in analysis of nanoparticles in biological matrices. <i>Analytical and Bioanalytical Chemistry</i> , <b>2019</b> , 411, 4277-4292	4.4	23
185	Carbon Isotopic Measurements of Nanotubes to Differentiate Carbon Sources. <i>ACS Omega</i> , <b>2019</b> , 4, 22108-22113	3.9	13
184	Three certified sugar reference materials for carbon isotope delta measurements. <i>Rapid Communications in Mass Spectrometry</i> , <b>2019</b> , 33, 272-280	2.2	7
183	Validation and inter-laboratory study of selective hydride generation for fast screening of inorganic arsenic in seafood. <i>Analytica Chimica Acta</i> , <b>2019</b> , 1049, 20-28	6.6	15
182	Definition of the mole (IUPAC Recommendation 2017). <i>Pure and Applied Chemistry</i> , <b>2018</b> , 90, 175-180	2.1	22
181	Diethyldithiocarbamate enhanced chemical generation of volatile palladium species, their characterization by AAS, ICP-MS, TEM and DART-MS and proposed mechanism of action. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1005, 16-26	6.6	22
180	Inter-laboratory study for the certification of trace elements in seawater certified reference materials NASS-7 and CASS-6. <i>Analytical and Bioanalytical Chemistry</i> , <b>2018</b> , 410, 4469-4479	4.4	9
179	Selenium analysis in waters. Part 1: Regulations and standard methods. <i>Science of the Total Environment</i> , <b>2018</b> , 640-641, 1611-1634	10.2	24
178	Selenium analysis in waters. Part 2: Speciation methods. <i>Science of the Total Environment</i> , <b>2018</b> , 640-641, 1635-1651	10.2	28
177	Derivatization chemistries for the determination of inorganic anions and structurally related compounds by gas chromatography - A review. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1025, 12-40	6.6	30
176	Determination of total dissolved nitrogen in seawater by isotope dilution gas chromatography mass spectrometry following digestion with persulfate and derivatization with aqueous triethyloxonium. <i>Journal of Chromatography A</i> , <b>2018</b> , 1569, 193-199	4.5	5
175	Final report of the SIM.QM-S7 supplementary comparison, trace metals in drinking water. <i>Metrologia</i> , <b>2018</b> , 55, 08002-08002	2.1	4

174	Final report of the SIM.QM-S8 supplementary comparison, trace metals in drinking water. <i>Metrologia</i> , <b>2018</b> , 55, 08003-08003	2.1	2
173	The role of selenium in mercury toxicity [Current analytical techniques and future trends in analysis of selenium and mercury interactions in biological matrices. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2018</b> , 104, 95-109	14.6	14
172	Behavior and kinetic of hydrolysis of amine boranes in acid media employed in chemical vapor generation. <i>Analytica Chimica Acta</i> , <b>2018</b> , 998, 28-36	6.6	6
171	The direct and accurate determination of major elements Ca, K, Mg and Na in water by HR-ICPMS. <i>Scientific Reports</i> , <b>2018</b> , 8, 17750	4.9	3
170	A critical review on isotopic fractionation correction methods for accurate isotope amount ratio measurements by MC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2018</b> , 33, 1849-1861	3.7	52
169	Determination of sulfur and sulfate half-ester content in cellulose nanocrystals: an interlaboratory comparison. <i>Metrologia</i> , <b>2018</b> , 55, 872-882	2.1	19
168	Headspace In-Tube Microextraction and GC-ICP-MS Determination of Mercury Species in Petroleum Hydrocarbons. <i>Energy &amp; Fuels</i> , <b>2018</b> , 32, 10493-10501	4.1	5
167	Behavior of selenium hydride in heated quartz tube and dielectric barrier discharge atomizers. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1028, 11-21	6.6	15
166	Determination of total cyanide in soil by isotope dilution GC/MS following pentafluorobenzyl derivatization. <i>Analytica Chimica Acta</i> , <b>2017</b> , 961, 74-81	6.6	11
165	Determination of the Isotopic Composition of Iridium Using Multicollector-ICPMS. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 9375-9382	7.8	19
164	Determination of cyanocobalamin by isotope dilution LC-MS/MS. <i>Analytica Chimica Acta</i> , <b>2017</b> , 990, 103-109	6.6	8
163	Sub-ppt determination of butyltins, methylmercury and inorganic mercury in natural waters by dynamic headspace in-tube extraction and GC-ICPMS detection. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2017</b> , 32, 2447-2454	3.7	15
162	A critical review of the proposed definitions of fundamental chemical quantities and their impact on chemical communities (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , <b>2017</b> , 89, 951-981	2.1	20
161	Glossary of terms used in extraction (IUPAC Recommendations 2016). <i>Pure and Applied Chemistry</i> , <b>2016</b> , 88, 517-558	2.1	23
160	Extraction for analytical scale sample preparation (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , <b>2016</b> , 88, 649-687	2.1	29
159	Determination of chemical purity and isotopic composition of natural and carbon-13-labeled arsenobetaine bromide standards by quantitative(1)H-NMR. <i>Analytical and Bioanalytical Chemistry</i> , <b>2016</b> , 408, 7413-21	4.4	6
158	Determination of underivatized amino acids in microsamples of a yeast nutritional supplement by LC-MS following microwave assisted acid hydrolysis. <i>Analytical Methods</i> , <b>2016</b> , 8, 4497-4503	3.2	6
157	Atomization of Bismuthane in a Dielectric Barrier Discharge: A Mechanistic Study. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 1804-11	7.8	26

156	On-line UV photochemical generation of volatile copper species and its analytical application. <i>Microchemical Journal</i> , <b>2016</b> , 124, 344-349	4.8	23
155	Species specific isotope dilution for the accurate and SI traceable determination of arsenobetaine and methylmercury in cuttlefish and prawn. <i>Analytica Chimica Acta</i> , <b>2016</b> , 943, 41-49	6.6	9
154	Direct Determination of Trace Antimony in Natural Waters by Photochemical Vapor Generation ICPMS: Method Optimization and Comparison of Quantitation Strategies. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 7996-8004	7.8	41
153	Determination of thiocyanate in saliva by headspace gas chromatography-mass spectrometry, following a single-step aqueous derivatization with triethyloxonium tetrafluoroborate. <i>Journal of Chromatography A</i> , <b>2015</b> , 1400, 124-30	4.5	26
152	Metal ion-assisted photochemical vapor generation for the determination of lead in environmental samples by multicollector-ICPMS. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 4495-502	7.8	81
151	Multivariate optimization of photochemical vapor generation for direct determination of arsenic in seawater by inductively coupled plasma mass spectrometry. <i>Analytica Chimica Acta</i> , <b>2015</b> , 901, 34-40	6.6	29
150	Blank Correction in Isotope Dilution. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 10724-7	7.8	6
149	Calibration graphs in isotope dilution mass spectrometry. <i>Analytica Chimica Acta</i> , <b>2015</b> , 896, 63-7	6.6	20
148	CHEMOMETRIC OPTIMIZATION OF AN EXTRACTION PROCEDURE USING TARTARIC ACID FOR BUTYL TIN COMPOUNDS FROM SEDIMENT SAMPLES BY GC-PFPD. <i>Journal of the Chilean Chemical Society</i> , <b>2015</b> , 60, 2803-2806	2.5	2
147	Speciation of organometals using a synchronizing GC-EIMS and GC-ICPMS system for simultaneous detection. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2014</b> , 29, 1132-1137	3.7	3
146	Chemical generation of arsane and methylarsanes with amine boranes. Potentialities for nonchromatographic speciation of arsenic. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 1599-607	7.8	20
145	Determination of bismuth by dielectric barrier discharge atomic absorption spectrometry coupled with hydride generation: method optimization and evaluation of analytical performance. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 9620-5	7.8	55
144	Application of direct analysis in real time to a multiphase chemical system: Identification of polymeric arsanes generated by reduction of monomethylarsenate with sodium tetrahydroborate. <i>International Journal of Mass Spectrometry</i> , <b>2014</b> , 371, 42-46	1.9	11
143	Coordinate swapping in standard addition graphs for analytical chemistry: a simplified path for uncertainty calculation in linear and nonlinear plots. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 8563-7	7.8	20
142	Direct determination of dissolved phosphate and silicate in seawater by ion exclusion chromatography sector field inductively coupled plasma mass spectrometry. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 3222-6	7.8	16
141	High-precision quadruple isotope dilution method for simultaneous determination of nitrite and nitrate in seawater by GCMS after derivatization with triethyloxonium tetrafluoroborate. <i>Analytica Chimica Acta</i> , <b>2014</b> , 824, 36-41	6.6	34
140	Selenomethionine and Total Methionine Ratio is Conserved in Seed Proteins of Selenium-Treated and Nontreated Soybean, Flax, and Potato. <i>Crop Science</i> , <b>2014</b> , 54, 2251-2261	2.4	6
139	Reduction of measurement uncertainty by experimental design in high-order (double, triple, and quadruple) isotope dilution mass spectrometry: application to GC-MS measurement of bromide. <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 2879-87	4.4	49

138	Selective hydride generation- cryotrapping- ICP-MS for arsenic speciation analysis at picogram levels: analysis of river and sea water reference materials and human bladder epithelial cells. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2013</b> , 28, 1456-1465	3.7	41
137	Acid extraction for the determination of methyl mercury in biotissues by isotope dilution gas chromatography inductively coupled plasma-mass spectrometry. <i>Analytical Methods</i> , <b>2013</b> , 5, 7127	3.2	7
136	Microwave-assisted acid digestion protocol for the determination of methionine and selenomethionine in selenium-enriched yeast by species specific isotope dilution GC-MS. <i>Analytical Methods</i> , <b>2013</b> , 5, 525-529	3.2	14
135	Novel ethyl-derivatization approach for the determination of fluoride by headspace gas chromatography/mass spectrometry. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 877-81	7.8	30
134	Determination of strontium isotope amount ratios in biological tissues using MC-ICPMS. <i>Analytical Methods</i> , <b>2013</b> , 5, 1687	3.2	38
133	Absolute quantification of peptides by isotope dilution liquid chromatography-inductively coupled plasma mass spectrometry and gas chromatography/mass spectrometry. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 4087-93	7.8	31
132	Condensation cascades and methylgroup transfer reactions during the formation of arsane, methyl- and dimethylarsane by aqueous borohydride and (methyl) arsenates. <i>Analytical and Bioanalytical Chemistry</i> , <b>2012</b> , 402, 921-33	4.4	12
131	The binomial distribution of hydrogen and deuterium in arsanes, diarsanes, and triarsanes generated from As(III)/[BH(n)D(4-n)]- and the effect of trace amounts of Rh(III) ions. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2012</b> , 23, 2178-86	3.5	7
130	Reconciling Planck constant determinations via watt balance and enriched-silicon measurements at NRC Canada. <i>Metrologia</i> , <b>2012</b> , 49, L8-L10	2.1	44
129	Protein quantitation using Ru-NHS ester tagging and isotope dilution high-pressure liquid chromatography-inductively coupled plasma mass spectrometry determination. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 2769-75	7.8	31
128	Nonlinear signal response in electrospray mass spectrometry: implications for quantitation of arsenobetaine using stable isotope labeling by liquid chromatography and electrospray Orbitrap mass spectrometry. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 3958-64	7.8	16
127	Determination of the atomic weight of <sup>28</sup> Si-enriched silicon for a revised estimate of the Avogadro constant. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 2321-7	7.8	36
126	Negative chemical ionization GC/MS determination of nitrite and nitrate in seawater using exact matching double spike isotope dilution and derivatization with triethyloxonium tetrafluoroborate. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 2592-6	7.8	29
125	Mapping of sulfur metabolic pathway by LC Orbitrap mass spectrometry. <i>Analytica Chimica Acta</i> , <b>2012</b> , 721, 129-36	6.6	17
124	Determination of amino acids in selenium-enriched yeast by gas chromatography-mass spectrometry after microwave assisted hydrolysis. <i>Analytica Chimica Acta</i> , <b>2012</b> , 744, 54-9	6.6	21
123	Correction of Instrumental Mass Discrimination for Isotope Ratio Determination with Multi-Collector Inductively Coupled Plasma Mass Spectrometry <b>2012</b> , 113-137		6
122	Quantification of nitrite and nitrate in seawater by triethyloxonium tetrafluoroborate derivatization-headspace SPME GC-MS. <i>Talanta</i> , <b>2011</b> , 85, 2511-6	6.2	19
121	Applications of Hard X-ray Full-Field Transmission X-ray Microscopy at SSRL <b>2011</b> ,		25

120	Comparison of dielectric barrier discharge, atmospheric pressure radiofrequency-driven glow discharge and direct analysis in real time sources for ambient mass spectrometry of acetaminophen. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2011</b> , 66, 594-603	3.1	32
119	Mechanism of hydrogen transfer in arsane generation by aqueous tetrahydridoborate: Interference effects of AuIII and other noble metals. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2011</b> , 66, 740-747	3.1	10
118	Transmission X-ray microscopy for full-field nano imaging of biomaterials. <i>Microscopy Research and Technique</i> , <b>2011</b> , 74, 671-81	2.8	68
117	Observations of large mass-independent fractionation occurring in MC-ICPMS: implications for determination of accurate isotope amount ratios. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 8999-9004	7.8	27
116	Mechanisms of chemical generation of volatile hydrides for trace element determination (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , <b>2011</b> , 83, 1283-1340	2.1	80
115	Determination of arsenobetaine in fish tissue by species specific isotope dilution LC-LTQ-Orbitrap-MS and standard addition LC-ICPMS. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 3371-8	7.8	17
114	Cellular consequences of copper complexes used to catalyze bioorthogonal click reactions. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 17993-8001	16.4	280
113	Comment on the uncertainties in isotope patterns of molecules. <i>Analytica Chimica Acta</i> , <b>2011</b> , 694, 174-6; discussion 177-80	6.6	6
112	Tartaric acid extraction of organotin compounds from sediment samples. <i>Microchemical Journal</i> , <b>2011</b> , 98, 129-134	4.8	12
111	Small unilamellar vesicles: a platform technology for molecular imaging of brain tumors. <i>Nanotechnology</i> , <b>2011</b> , 22, 195102	3.4	22
110	Mapping of selenium metabolic pathway in yeast by liquid chromatography-Orbitrap mass spectrometry. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 8121-30	7.8	43
109	Metrological triangle for measurements of isotope amount ratios of silver, indium, and antimony using multicollector-inductively coupled plasma mass spectrometry: the 21st century Harvard method. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 8978-82	7.8	24
108	Determination of S-nitrosoglutathione in plasma: comparison of two methods. <i>Talanta</i> , <b>2010</b> , 81, 1295-96.2		19
107	Derivatization of GSSG by pHMB in alkaline media. Determination of oxidized glutathione in blood. <i>Talanta</i> , <b>2010</b> , 82, 815-20	6.2	13
106	Determination of thiols in yeast by HPLC coupled with LTQ-orbitrap mass spectrometry after derivatization with p-(Hydroxymercuri)benzoate. <i>Journal of Agricultural and Food Chemistry</i> , <b>2010</b> , 58, 1462-8	5.7	29
105	Certification of natural isotopic abundance inorganic mercury reference material NIMS-1 for absolute isotopic composition and atomic weight. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2010</b> , 25, 384	3.7	32
104	Speciation and determination of thiols in biological samples using high performance liquid chromatography-inductively coupled plasma-mass spectrometry and high performance liquid chromatography-Orbitrap MS. <i>Analytica Chimica Acta</i> , <b>2010</b> , 680, 41-7	6.6	26
103	Full-field transmission x-ray microscopy for bio-imaging. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 186, 12081	0.3	15



102	Isotope scrambling and error magnification in multiple-spiking isotope dilution. <i>Analytical and Bioanalytical Chemistry</i> , <b>2009</b> , 394, 199-205	4.4	13
101	Gas chromatography-mass spectrometric identification of iodine species arising from photo-chemical vapor generation. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2009</b> , 64, 714-716	3.1	18
100	Mass bias fractionation laws for multi-collector ICPMS: assumptions and their experimental verification. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 6774-8	7.8	37
99	Ambient mass spectrometric detection of organometallic compounds using direct analysis in real time. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 9834-9	7.8	41
98	Reply to comments of Tsikas on Determination of S-nitrosoglutathione and other nitrosothiols by p-hydroxymercurybenzoate derivatization and reverse phase chromatography coupled with chemical vapor generation atomic fluorescence detection by Bramanti et al.. <i>Talanta</i> , <b>2009</b> , 79, 554-555	6.2	6
97	Describing chemical transformations in multiple spiking isotope dilution: fundamental aspects and definitions. <i>Analyst, The</i> , <b>2009</b> , 134, 466-71	5	11
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