

Joerg Feldmann

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.

287
papers

14,891
citations

59
h-index

112
g-index

296
ext. papers

16,237
ext. citations

5.9
avg, IF

6.45
L-index

#	Paper	IF	Citations
287	Trace element ratios in tooth enamel as palaeodietary indicators of seaweed consumption and coastal grazing, and their broader applicability. <i>Journal of Archaeological Science</i> , 2022 , 139, 105551	2.9	
286	Wild shrimp have an order of magnitude higher arsenic concentrations than farmed shrimp from Brazil illustrating the need for a regulation based on inorganic arsenic.. <i>Journal of Trace Elements in Medicine and Biology</i> , 2022 , 71, 126968	4.1	0
285	Mercury speciation in Scottish raptors reveals high proportions of inorganic mercury in Scottish golden eagles (<i>Aquila chrysaetos</i>): Potential occurrence of mercury selenide nanoparticles.. <i>Science of the Total Environment</i> , 2022 , 154557	10.2	0
284	Increasing temperature and flooding enhance arsenic release and biotransformations in Swiss soils. <i>Science of the Total Environment</i> , 2022 , 838, 156049	10.2	0
283	S100B dysregulation during brain development affects synaptic SHANK protein networks via alteration of zinc homeostasis. <i>Translational Psychiatry</i> , 2021 , 11, 562	8.6	2
282	Impact of soil-type, soil-pH, and soil-metal(loids) on grain-As and Cd accumulation in Malawian rice grown in three regions of Malawi. <i>Environmental Advances</i> , 2021 , 100145	3.5	0
281	Characterisation of selenium and tellurium nanoparticles produced by <i>Aureobasidium pullulans</i> using a multi-method approach. <i>Journal of Chromatography A</i> , 2021 , 1642, 462022	4.5	7
280	Fluorine-Specific Detection Using ICP-MS Helps to Identify PFAS Degradation Products in Nontargeted Analysis. <i>Analytical Chemistry</i> , 2021 , 93, 6335-6341	7.8	5
279	Metal Flux from Dissolution of Iron Oxide Grain Coatings in Sandstones. <i>Geofluids</i> , 2021 , 2021, 1-14	1.5	0
278	The use of microwave-induced plasma optical emission spectrometry for fluorine determination and its application to tea infusions. <i>Talanta</i> , 2021 , 227, 122190	6.2	4
277	A Unified Method for the Recovery of Metals from Chalcogenides. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 2929-2936	8.3	1
276	Development of Mercury Analysis by NanoSIMS for the Localization of Mercury-Selenium Particles in Whale Liver. <i>Analytical Chemistry</i> , 2021 , 93, 12733-12739	7.8	2
275	Higher zero valent iron soil amendments dosages markedly inhibit accumulation of As in Faya and Kilombero cultivars compared to Cd. <i>Science of the Total Environment</i> , 2021 , 794, 148735	10.2	1
274	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> , 2020 , 412, 4363-4373	4.4	1
273	Multi trace element profiling in pathogenic and non-pathogenic fungi. <i>Fungal Biology</i> , 2020 , 124, 516-524.8		3
272	Fungal transformation of selenium and tellurium located in a volcanogenic sulfide deposit. <i>Environmental Microbiology</i> , 2020 , 22, 2346-2364	5.2	5
271	Identifying seaweed consumption by sheep using isotope analysis of their bones and teeth: Modern reference $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ values and their archaeological implications. <i>Journal of Archaeological Science</i> , 2020 , 118, 105140	2.9	8

270	Iodine and fluorine concentrations in seaweeds of the Arabian Gulf identified by morphology and DNA barcodes. <i>Botanica Marina</i> , 2020 , 63, 509-519	1.8	3
269	Simultaneous stimulation of arsenic methylation and inhibition of cadmium bioaccumulation in rice grain using zero valent iron and alternate wetting and drying water management. <i>Science of the Total Environment</i> , 2020 , 711, 134696	10.2	10
268	Concentration and origin of lead (Pb) in liver and bone of Eurasian buzzards (<i>Buteo buteo</i>) in the United Kingdom. <i>Environmental Pollution</i> , 2020 , 267, 115629	9.3	6
267	Concentrations of Essential Trace Metals in the Brain of Animal Species-A Comparative Study. <i>Brain Sciences</i> , 2020 , 10,	3.4	1
266	Spatiotemporal distribution and speciation of silver nanoparticles in the healing wound. <i>Analyst, The</i> , 2020 , 145, 6456-6469	5	4
265	The use of high resolution graphite furnace molecular absorption spectrometry (HR -MAS) for total fluorine determination in extractable organofluorines (EOF). <i>Talanta</i> , 2020 , 209, 120466	6.2	10
264	Toxicity of three types of arsenolipids: species-specific effects in <i>Caenorhabditis elegans</i> . <i>Metallomics</i> , 2020 , 12, 794-798	4.5	10
263	High-precision isotopic analysis sheds new light on mercury metabolism in long-finned pilot whales (<i>Globicephala melas</i>). <i>Scientific Reports</i> , 2019 , 9, 7262	4.9	23
262	Biological sulphur-containing compounds - Analytical challenges. <i>Analytica Chimica Acta</i> , 2019 , 1079, 20-29	6.6	8
261	Tracing the natural and anthropogenic influence on the trace elemental chemistry of estuarine macroalgae and the implications for human consumption. <i>Science of the Total Environment</i> , 2019 , 685, 259-272	10.2	9
260	Cu@Au self-assembled nanoparticles as SERS-active substrates for (bio)molecular sensing. <i>Journal of Alloys and Compounds</i> , 2019 , 791, 184-192	5.7	16
259	Determination of methylmercury using liquid chromatography [photochemical vapour generation] atomic fluorescence spectroscopy (LC-PVG-AFS): a simple, green analytical method. <i>Journal of Analytical Atomic Spectrometry</i> , 2019 ,	3.7	1
258	Arsenic and cadmium contents in Brazilian rice from different origins can vary more than two orders of magnitude. <i>Food Chemistry</i> , 2019 , 286, 644-650	8.5	21
257	Selenium and tellurium concentrations of Carboniferous British coals. <i>Geological Journal</i> , 2019 , 54, 1401-1412	11.4	10
256	Mobilisation of arsenic, selenium and uranium from Carboniferous black shales in west Ireland. <i>Applied Geochemistry</i> , 2019 , 109, 104401	3.5	11
255	Fungal formation of selenium and tellurium nanoparticles. <i>Applied Microbiology and Biotechnology</i> , 2019 , 103, 7241-7259	5.7	34
254	Arsenolipids are not uniformly distributed within two brown macroalgal species <i>Saccharina latissima</i> and <i>Alaria esculenta</i> . <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 4973-4985	4.4	14
253	Matrix-dependent size modifications of iron oxide nanoparticles (Ferumoxytol) spiked into rat blood cells and plasma: Characterisation with TEM, AF4-UV-MALS-ICP-MS/MS and spICP-MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019 , 1124, 356-365	3.2	14

252	Analytical methods involve speciation analysis and elemental mapping to describe processes in biogeochemistry: A review 2019 , 213-214		
251	Determination of Se and Te in coal at ultra-trace levels by ICP-MS after microwave-induced combustion. <i>Journal of Analytical Atomic Spectrometry</i> , 2019 , 34, 998-1004	3.7	7
250	Seaweed fertilisation impacts the chemical and isotopic composition of barley: Implications for analyses of archaeological skeletal remains. <i>Journal of Archaeological Science</i> , 2019 , 104, 34-44	2.9	11
249	Why is NanoSIMS elemental imaging of arsenic in seaweed (<i>Laminaria digitata</i>) important for understanding of arsenic biochemistry in addition to speciation information?. <i>Journal of Analytical Atomic Spectrometry</i> , 2019 , 34, 2295-2302	3.7	9
248	Novel non-targeted analysis of perfluorinated compounds using fluorine-specific detection regardless of their ionisability (HPLC-ICPMS/MS-ESI-MS). <i>Analytica Chimica Acta</i> , 2019 , 1053, 22-31	6.6	26
247	Validation and inter-laboratory study of selective hydride generation for fast screening of inorganic arsenic in seafood. <i>Analytica Chimica Acta</i> , 2019 , 1049, 20-28	6.6	15
246	AF4-UV-MALS-ICP-MS/MS, spICP-MS, and STEM-EDX for the Characterization of Metal-Containing Nanoparticles in Gas Condensates from Petroleum Hydrocarbon Samples. <i>Analytical Chemistry</i> , 2019 , 91, 1164-1170	7.8	11
245	A combined chemical imaging approach using (MC) LA-ICP-MS and NIR-HSI to evaluate the diagenetic status of bone material for Sr isotope analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 565-580	4.4	5
244	Determination of Se at low concentration in coal by collision/reaction cell technology inductively coupled plasma mass spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2018 , 143, 48-54	3.1	10
243	Potential dietary, non-metabolic accumulation of arsenic (As) in seaweed-eating sheep's teeth: Implications for archaeological studies. <i>Journal of Archaeological Science</i> , 2018 , 94, 21-31	2.9	1
242	Tellurium, selenium and cobalt enrichment in Neoproterozoic black shales, Gwna Group, UK: Deep marine trace element enrichment during the Second Great Oxygenation Event. <i>Terra Nova</i> , 2018 , 30, 244-253	3	9
241	Importance of ICPMS for speciation analysis is changing: future trends for targeted and non-targeted element speciation analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 661-667	4.4	34
240	Feasibility of As, Sb, Se and Te determination in coal by solid sampling electrothermal vaporization inductively coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2018 , 33, 1384-1393	3.7	10
239	Selenium and tellurium resources in Kisgruva Proterozoic volcanogenic massive sulphide deposit (Norway). <i>Ore Geology Reviews</i> , 2018 , 99, 411-424	3.2	14
238	Reactive gaseous mercury is generated from chloralkali factories resulting in extreme concentrations of mercury in hair of workers. <i>Scientific Reports</i> , 2018 , 8, 3675	4.9	7
237	High selenium in the Carboniferous Coal Measures of Northumberland, North East England. <i>International Journal of Coal Geology</i> , 2018 , 195, 61-74	5.5	21
236	Metallomics Study in Plants Exposed to Arsenic, Mercury, Selenium and Sulphur. <i>Advances in Experimental Medicine and Biology</i> , 2018 , 1055, 67-100	3.6	5
235	Determination of arsenic in agricultural soil samples using High-resolution continuum source graphite furnace atomic absorption spectrometry and direct solid sample analysis. <i>Talanta</i> , 2018 , 188, 722-728	6.2	24

234	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> , 2018 , 104, 95-109	14.6	14
233	Quantification of labile and stable non-polar arsenolipids in commercial fish meals and edible seaweed samples. <i>Journal of Analytical Atomic Spectrometry</i> , 2018 , 33, 102-110	3.7	18
232	Physicochemical Tools: Toward a Detailed Understanding of the Architecture of Targeted Radiotherapy Nanoparticles.. <i>ACS Applied Bio Materials</i> , 2018 , 1, 1639-1646	4.1	4
231	A Method for Methylmercury and Inorganic Mercury in Biological Samples Using High Performance Liquid Chromatography-Inductively Coupled Plasma Mass Spectrometry. <i>Analytical Sciences</i> , 2018 , 34, 1329-1334	1.7	17
230	Plasma processes to detect fluorine with ICPMS/MS as [ME] ⁺ : an argument for building a negative mode ICPMS/MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2018 , 33, 1304-1309	3.7	25
229	Comparison of on-site field measured inorganic arsenic in rice with laboratory measurements using a field deployable method: Method validation. <i>Food Chemistry</i> , 2018 , 263, 180-185	8.5	4
228	Multi-stage pyrite genesis and epigenetic selenium enrichment of Greenburn coals (East Ayrshire). <i>Scottish Journal of Geology</i> , 2018 , 54, 37-49	1.4	4
227	Novel non-target analysis of fluorine compounds using ICPMS/MS and HPLC-ICPMS/MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2017 , 32, 942-950	3.7	34
226	A field deployable method for a rapid screening analysis of inorganic arsenic in seaweed. <i>Mikrochimica Acta</i> , 2017 , 184, 1701-1709	5.8	18
225	Development of a fast screening method for the direct determination of chlorinated persistent organic pollutants in fish oil by high-resolution continuum source graphite furnace molecular absorption spectrometry. <i>Food Control</i> , 2017 , 78, 456-462	6.2	11
224	A rapid monitoring method for inorganic arsenic in rice flour using reversed phase-high performance liquid chromatography-inductively coupled plasma mass spectrometry. <i>Journal of Chromatography A</i> , 2017 , 1479, 129-136	4.5	27
223	Sulphur fertilization influences the sulphur species composition in <i>Allium sativum</i> : sulphomics using HPLC-ICPMS/MS-ESI-MS/MS. <i>Metallomics</i> , 2017 , 9, 1429-1438	4.5	7
222	High proportions of inorganic arsenic in <i>Laminaria digitata</i> but not in <i>Ascophyllum nodosum</i> samples from Ireland. <i>Chemosphere</i> , 2017 , 186, 17-23	8.4	34
221	The morphogenic responses and phytochelatin complexes induced by arsenic in <i>Pteris vittata</i> change in the presence of cadmium. <i>Environmental and Experimental Botany</i> , 2017 , 133, 176-187	5.9	29
220	Methylmercury varies more than one order of magnitude in commercial European rice. <i>Food Chemistry</i> , 2017 , 214, 360-365	8.5	39
219	A black shale protolith for gold-tellurium mineralisation in the Dalradian Supergroup (Neoproterozoic) of Britain and Ireland. <i>Transactions of the Institution of Mining and Metallurgy Section B-Applied Earth Science</i> , 2017 , 126, 161-175		9
218	Selenium and Other Trace Element Mobility in Waste Products and Weathered Sediments at Parys Mountain Copper Mine, Anglesey, UK. <i>Minerals (Basel, Switzerland)</i> , 2017 , 7, 229	2.4	10
217	Tellurium Enrichment in Jurassic Coal, Brora, Scotland. <i>Minerals (Basel, Switzerland)</i> , 2017 , 7, 231	2.4	9

216	Accuracy of a method based on atomic absorption spectrometry to determine inorganic arsenic in food: Outcome of the collaborative trial IMEP-41. <i>Food Chemistry</i> , 2016 , 213, 169-179	8.5	16
215	Cobalamin Concentrations in Fetal Liver Show Gender Differences: A Result from Using a High-Pressure Liquid Chromatography-Inductively Coupled Plasma Mass Spectrometry as an Ultratrace Cobalt Speciation Method. <i>Analytical Chemistry</i> , 2016 , 88, 12419-12426	7.8	2
214	Phylogenomic Analysis of Natural Products Biosynthetic Gene Clusters Allows Discovery of Arseno-Organic Metabolites in Model Streptomyces. <i>Genome Biology and Evolution</i> , 2016 , 8, 1906-16	3.9	73
213	Arsenic and As Species 2016 , 173-235		2
212	Element content and daily intake from dietary supplements (nutraceuticals) based on algae, garlic, yeast fish and krill oils—should consumers be worried?. <i>Journal of Food Composition and Analysis</i> , 2016 , 53, 49-60	4.1	10
211	Organoarsenicals in seaweed are they toxic or beneficial: Their analysis, their toxicity and their biosynthesis. <i>Arsenic in the Environment Proceedings</i> , 2016 , 306-307		
210	In vivo formation of natural HgSe nanoparticles in the liver and brain of pilot whales. <i>Scientific Reports</i> , 2016 , 6, 34361	4.9	59
209	Mercury Speciation and Distribution in an Egyptian Natural Gas Processing Plant. <i>Energy & Fuels</i> , 2016 , 30, 10236-10243	4.1	22
208	Impact of selenium supplementation on fish antiviral responses: a whole transcriptomic analysis in rainbow trout (<i>Oncorhynchus mykiss</i>) fed supranutritional levels of Sel-Plex®. <i>BMC Genomics</i> , 2016 , 17, 116	4.5	52
207	Possible link between Hg and Cd accumulation in the brain of long-finned pilot whales (<i>Globicephala melas</i>). <i>Science of the Total Environment</i> , 2016 , 545-546, 407-13	10.2	30
206	Investigation of chemical modifiers for the direct determination of arsenic in fish oil using high-resolution continuum source graphite furnace atomic absorption spectrometry. <i>Talanta</i> , 2016 , 150, 142-7	6.2	20
205	Hg Speciation in Petroleum Hydrocarbons with Emphasis on the Reactivity of Hg Particles. <i>Energy & Fuels</i> , 2016 , 30, 130-137	4.1	21
204	The mechanisms of detoxification of As(III), dimethylarsinic acid (DMA) and As(V) in the microalga <i>Chlorella vulgaris</i> . <i>Aquatic Toxicology</i> , 2016 , 175, 56-72	5.1	14
203	Assessing rare earth elements in quartz rich geological samples. <i>Applied Radiation and Isotopes</i> , 2016 , 107, 323-329	1.7	5
202	Host-Imposed Copper Poisoning Impacts Fungal Micronutrient Acquisition during Systemic <i>Candida albicans</i> Infections. <i>PLoS ONE</i> , 2016 , 11, e0158683	3.7	42
201	Comment on "Effects of Arsenite during Fetal Development on Energy Metabolism and Susceptibility to Diet-Induced Fatty Liver Diseases in Male Mice" and "Mechanisms Underlying Latent Disease Risk Associated with Early-Life Arsenic Exposure: Current Trends and Scientific Gaps". <i>Environmental Health Perspectives</i> , 2016 , 124, A99	8.4	2
200	Sub-lethal cadmium exposure increases phytochelatin concentrations in the aquatic snail <i>Lymnaea stagnalis</i> . <i>Science of the Total Environment</i> , 2016 , 568, 1054-1058	10.2	11
199	Environmental effects on arsenosugars and arsenolipids in <i>Ectocarpus</i> (Phaeophyta). <i>Environmental Chemistry</i> , 2016 , 13, 21	3.2	24

198	Accurate and precise quantification of Cu,Zn-SOD in human red blood cells using species-specific double and triple IDMS. <i>Journal of Analytical Atomic Spectrometry</i> , 2016 , 31, 1922-1928	3.7	5
197	The importance of glutathione and phytochelatins on the selenite and arsenate detoxification in <i>Arabidopsis thaliana</i> . <i>Journal of Environmental Sciences</i> , 2016 , 49, 150-161	6.4	29
196	Arsenic containing medium and long chain fatty acids in marine fish oil identified as degradation products using reversed-phase HPLC-ICP-MS/ESI-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2016 , 31, 1836-1845	3.7	22
195	Arsenic, antimony, and Leishmania: has arsenic contamination of drinking water in India led to treatment-resistant kala-azar?. <i>Lancet, The</i> , 2015 , 385 Suppl 1, S80	4.0	18
194	Arsenic exposure and outcomes of antimonial treatment in visceral leishmaniasis patients in Bihar, India: a retrospective cohort study. <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0003518	4.8	30
193	In utero exposure to cigarette chemicals induces sex-specific disruption of one-carbon metabolism and DNA methylation in the human fetal liver. <i>BMC Medicine</i> , 2015 , 13, 18	11.4	48
192	Selenopeptides and elemental selenium in <i>Thunbergia alata</i> after exposure to selenite: quantification method for elemental selenium. <i>Metallomics</i> , 2015 , 7, 1056-66	4.5	17
191	Introduction of regulations for arsenic in feed and food with emphasis on inorganic arsenic, and implications for analytical chemistry. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 8385-96	4.4	44
190	Detection of Inorganic Arsenic in Rice Using a Field Test Kit: A Screening Method. <i>Analytical Chemistry</i> , 2015 , 87, 11271-6	7.8	30
189	Quick and robust method for trace determination of MeHg in rice and rice products without derivatisation. <i>Analytical Methods</i> , 2015 , 7, 8584-8589	3.2	12
188	Cadmium and lead in vegetable and fruit produce selected from specific regional areas of the UK. <i>Science of the Total Environment</i> , 2015 , 533, 520-7	10.2	44
187	Direct online HPLC-CV-AFS method for traces of methylmercury without derivatisation: a matrix-independent method for urine, sediment and biological tissue samples. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 973-81	4.4	23
186	Methylmercury in water samples at the pg/L level by online preconcentration liquid chromatography cold vapor-atomic fluorescence spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2015 , 105, 103-108	3.1	34
185	Evaluation of Hg species after culinary treatments of fish. <i>Food Control</i> , 2015 , 47, 413-419	6.2	31
184	Selenium and tellurium enrichment in palaeo-oil reservoirs. <i>Journal of Geochemical Exploration</i> , 2015 , 148, 169-173	3.8	18
183	Biosynthesis of the Fluorinated Natural Product Nucleocidin in <i>Streptomyces calvus</i> Is Dependent on the bldA-Specified Leu-tRNA(UUA) Molecule. <i>ChemBioChem</i> , 2015 , 16, 2498-506	3.8	32
182	Selenium Supplementation in Fish: A Combined Chemical and Biomolecular Study to Understand Sel-Plex Assimilation and Impact on Selenoproteome Expression in Rainbow Trout (<i>Oncorhynchus mykiss</i>). <i>PLoS ONE</i> , 2015 , 10, e0127041	3.7	41
181	Speciation without chromatography using selective hydride generation: inorganic arsenic in rice and samples of marine origin. <i>Analytical Chemistry</i> , 2014 , 86, 993-9	7.8	84

180	Speciation and toxicity of arsenic in mining-affected lake sediments in the Quinsam watershed, British Columbia. <i>Science of the Total Environment</i> , 2014 , 466-467, 90-9	10.2	13
179	Inorganic arsenic in seafood: does the extraction method matter?. <i>Food Chemistry</i> , 2014 , 150, 353-9	8.5	34
178	Identification of arsenolipids and their degradation products in cod-liver oil. <i>Talanta</i> , 2014 , 118, 217-23	6.2	47
177	Boron speciation in acid digests of metallurgical grade silicon reveals problem for accurate boron quantification by inductively coupled plasma optical emission spectroscopy. <i>Journal of Analytical Atomic Spectrometry</i> , 2014 , 29, 614-622	3.7	7
176	Evaluation of dietary exposure of crabs to inorganic mercury or methylmercury, with or without co-exposure to selenium. <i>Journal of Analytical Atomic Spectrometry</i> , 2014 , 29, 1273-1281	3.7	6
175	Hydride generation ICP-MS as a simple method for determination of inorganic arsenic in rice for routine biomonitoring. <i>Analytical Methods</i> , 2014 , 6, 5392-5396	3.2	30
174	Enhanced determination of As ^{III} phytochelatin complexes in <i>Chlorella vulgaris</i> using focused sonication for extraction of water-soluble species. <i>Analytical Methods</i> , 2014 , 6, 791-797	3.2	14
173	Identification and quantification of phytochelatins in roots of rice to long-term exposure: evidence of individual role on arsenic accumulation and translocation. <i>Journal of Experimental Botany</i> , 2014 , 65, 1467-79	7	128
172	Arsenolipids show different profiles in muscle tissues of four commercial fish species. <i>Journal of Trace Elements in Medicine and Biology</i> , 2014 , 28, 131-137	4.1	26
171	Microwave-Assisted Sample Preparation for Element Speciation 2014 , 281-312		1
170	Imaging of trace elements in tissues: with a focus on laser ablation inductively coupled plasma mass spectrometry. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2014 , 17, 431-9	3.8	9
169	Isotope ratio measurements in biological tissues using LA-ICP-MS (possibilities, limitations, and perspectives). <i>Journal of Analytical Atomic Spectrometry</i> , 2013 , 28, 1367	3.7	21
168	Novel identification of arsenolipids using chemical derivatizations in conjunction with RP-HPLC-ICPMS/ESMS. <i>Analytical Chemistry</i> , 2013 , 85, 9321-7	7.8	65
167	Transformation of arsenic species during in vitro gastrointestinal digestion of vegetables. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 12164-70	5.7	21
166	Plasma zinc β alter ego is a low-molecular-weight humoral factor. <i>FASEB Journal</i> , 2013 , 27, 3672-82	0.9	7
165	Characterization of cytosolic glutathione peroxidase and phospholipid-hydroperoxide glutathione peroxidase genes in rainbow trout (<i>Oncorhynchus mykiss</i>) and their modulation by in vitro selenium exposure. <i>Aquatic Toxicology</i> , 2013 , 130-131, 97-111	5.1	40
164	Mining complex bacteria media for all fluorinated compounds made possible by using HPLC coupled parallel to fluorine-specific and molecular specific detection. <i>Journal of Analytical Atomic Spectrometry</i> , 2013 , 28, 877	3.7	10
163	Biovolatilisation: a poorly studied pathway of the arsenic biogeochemical cycle. <i>Environmental Sciences: Processes and Impacts</i> , 2013 , 15, 1639-51	4.3	53

162	Impact of a snail pellet on the phytoavailability of different metals to cucumber plants (<i>Cucumis sativus</i> L.). <i>Environmental Sciences: Processes and Impacts</i> , 2013 , 15, 463-9	4.3	1
161	Long-term zinc deprivation accelerates rat vascular smooth muscle cell proliferation involving the down-regulation of JNK1/2 expression in MAPK signaling. <i>Atherosclerosis</i> , 2013 , 228, 46-52	3.1	25
160	Arsenic speciation and localization in horticultural produce grown in a historically impacted mining region. <i>Environmental Science & Technology</i> , 2013 , 47, 6164-72	10.3	24
159	Comprehensive analysis of lipophilic arsenic species in a brown alga (<i>Saccharina latissima</i>). <i>Analytical Chemistry</i> , 2013 , 85, 2817-24	7.8	78
158	Fungal iron availability during deep seated candidiasis is defined by a complex interplay involving systemic and local events. <i>PLoS Pathogens</i> , 2013 , 9, e1003676	7.6	40
157	Chronic exposure to arsenic in drinking water can lead to resistance to antimonial drugs in a mouse model of visceral leishmaniasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 19932-7	11.5	43
156	Marginal dietary zinc deficiency in vivo induces vascular smooth muscle cell apoptosis in large arteries. <i>Cardiovascular Research</i> , 2013 , 99, 525-34	9.9	20
155	Speziationsanalytik: Haben wir die richtigen Werkzeuge?. <i>Nachrichten Aus Der Chemie</i> , 2013 , 61, 145-148	0.1	1
154	Phytochelatins play a key role in arsenic accumulation and tolerance in the aquatic macrophyte <i>Wolffia globosa</i> . <i>Environmental Pollution</i> , 2012 , 165, 18-24	9.3	40
153	Metabolite profile shifts in the heathland lichen <i>Cladonia portentosa</i> in response to N deposition reveal novel biomarkers. <i>Physiologia Plantarum</i> , 2012 , 146, 160-72	4.6	8
152	Microanalytical isotope ratio measurements and elemental mapping using laser ablation ICP-MS for tissue thin sections: zinc tracer studies in rats. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 402, 287-97	4.4	22
151	HPLC-HG-ICP-MS: a sensitive and selective method for inorganic arsenic in seafood. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 404, 2185-91	4.4	30
150	Zinc isotope ratio imaging of rat brain thin sections from stable isotope tracer studies by LA-MC-ICP-MS. <i>Metallomics</i> , 2012 , 4, 1057-63	4.5	30
149	Fluorine speciation analysis using reverse phase liquid chromatography coupled off-line to continuum source molecular absorption spectrometry (CS-MAS): identification and quantification of novel fluorinated organic compounds in environmental and biological samples. <i>Analytical Chemistry</i> , 2012 , 84, 6213-9	7.8	42
148	Marine Metabolites and Metal Ion Chelation 2012 , 861-892		6
147	First comprehensive peat depositional records for tin, lead and copper associated with the antiquity of Europe's largest cassiterite deposits. <i>Journal of Archaeological Science</i> , 2012 , 39, 717-727	2.9	29
146	Is it possible to agree on a value for inorganic arsenic in food? The outcome of IMEP-112. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 404, 2475-88	4.4	33
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