Joerg Feldmann

List of Publications by Year
in descending order

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285 papers	17,697 citations	16411 64 h-index	17546 121 g-index
296 all docs	296 docs citations	296 times ranked	11500 citing authors

#	Article	IF	Citations
1	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. Environmental Advances, 2022, 7, 100145.	2.2	13
2	Trace element ratios in tooth enamel as palaeodietary indicators of seaweed consumption and coastal grazing, and their broader applicability. Journal of Archaeological Science, 2022, 139, 105551.	1.2	1
3	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. Journal of Trace Elements in Medicine and Biology, 2022, 71, 126968.	1.5	4
4	Mercury speciation in Scottish raptors reveals high proportions of inorganic mercury in Scottish golden eagles (Aquila chrysaetos): Potential occurrence of mercury selenide nanoparticles. Science of the Total Environment, 2022, 829, 154557.	3.9	10
5	Increasing temperature and flooding enhance arsenic release and biotransformations in Swiss soils. Science of the Total Environment, 2022, 838, 156049.	3.9	4
6	Elution with 1,2-Hexanediol Enables Coupling of ICPMS with Reversed-Pase Liquid Chromatography under Standard Conditions. Analytical Chemistry, 2022, 94, 8802-8810.	3.2	3
7	A Unified Method for the Recovery of Metals from Chalcogenides. ACS Sustainable Chemistry and Engineering, 2021, 9, 2929-2936.	3.2	5
8	Characterisation of selenium and tellurium nanoparticles produced by Aureobasidium pullulans using a multi-method approach. Journal of Chromatography A, 2021, 1642, 462022.	1.8	20
9	Fluorine-Specific Detection Using ICP-MS Helps to Identify PFAS Degradation Products in Nontargeted Analysis. Analytical Chemistry, 2021, 93, 6335-6341.	3.2	21
10	Metal Flux from Dissolution of Iron Oxide Grain Coatings in Sandstones. Geofluids, 2021, 2021, 1-14.	0.3	5
11	The use of microwave-induced plasma optical emission spectrometry for fluorine determination and its application to tea infusions. Talanta, 2021, 227, 122190.	2.9	7
12	Development of Mercury Analysis by NanoSIMS for the Localization of Mercuryâ€“Selenium Particles in Whale Liver. Analytical Chemistry, 2021, 93, 12733-12739.	3.2	10
13	Higher zero valent iron soil amendments dosages markedly inhibit accumulation of As in Faya and Kilombero cultivars compared to Cd. Science of the Total Environment, 2021, 794, 148735.	3.9	5
14	S100B dysregulation during brain development affects synaptic SHANK protein networks via alteration of zinc homeostasis. Translational Psychiatry, 2021, 11, 562.	2.4	7
15	The use of high resolution graphite furnace molecular absorption spectrometry (HR -MAS) for total fluorine determination in extractable organofluorines (EOF). Talanta, 2020, 209, 120466.	2.9	27
16	Simultaneous stimulation of arsenic methylation and inhibition of cadmium bioaccumulation in rice grain using zero valent iron and alternate wetting and drying water management. Science of the Total Environment, 2020, 711, 134696.	3.9	30
17	Concentration and origin of lead (Pb) in liver and bone of Eurasian buzzards (Buteo buteo) in the United Kingdom. Environmental Pollution, 2020, 267, 115629.	3.7	16
18	Concentrations of Essential Trace Metals in the Brain of Animal Speciesâ€”A Comparative Study. Brain Sciences, 2020, 10, 460.	1.1	7

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19	Spatiotemporal distribution and speciation of silver nanoparticles in the healing wound. Analyst, The, 2020, 145, 6456-6469.	1.7	5
20	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. Analytical and Bioanalytical Chemistry, 2020, 412, 4363-4373.	1.9	1
21	Multi trace element profiling in pathogenic and non-pathogenic fungi. Fungal Biology, 2020, 124, 516-524.	1.1	6
22	Fungal transformation of selenium and tellurium located in a volcanogenic sulfide deposit. Environmental Microbiology, 2020, 22, 2346-2364.	1.8	12
23	Identifying seaweed consumption by sheep using isotope analysis of their bones and teeth: Modern reference Î´13C and Î´15N values and their archaeological implications. Journal of Archaeological Science, 2020, 118, 105140.	1.2	13
24	Toxicity of three types of arsenolipids: species-specific effects in Caenorhabditis elegans. Metallomics, 2020, 12, 794-798.	1.0	21
25	Iodine and fluorine concentrations in seaweeds of the Arabian Gulf identified by morphology and DNA barcodes. Botanica Marina, 2020, 63, 509-519.	0.6	7
26	Selenium and tellurium concentrations of Carboniferous British coals. Geological Journal, 2019, 54, 1401-1412.	0.6	14
27	Mobilisation of arsenic, selenium and uranium from Carboniferous black shales in west Ireland. Applied Geochemistry, 2019, 109, 104401.	1.4	21
28	Fungal formation of selenium and tellurium nanoparticles. Applied Microbiology and Biotechnology, 2019, 103, 7241-7259.	1.7	77
29	Arsenolipids are not uniformly distributed within two brown macroalgal species Saccharina latissima and Alaria esculenta. Analytical and Bioanalytical Chemistry, 2019, 411, 4973-4985.	1.9	23
30	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. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2019, 1124, 356-365.	1.2	24
31	High-precision isotopic analysis sheds new light on mercury metabolism in long-finned pilot whales (Globicephala melas). Scientific Reports, 2019, 9, 7262.	1.6	45
32	Biological sulphur-containing compounds â€“ Analytical challenges. Analytica Chimica Acta, 2019, 1079, 20-29.	2.6	17
33	Tracing the natural and anthropogenic influence on the trace elemental chemistry of estuarine macroalgae and the implications for human consumption. Science of the Total Environment, 2019, 685, 259-272.	3.9	18
34	Cu@Au self-assembled nanoparticles as SERS-active substrates for (bio)molecular sensing. Journal of Alloys and Compounds, 2019, 791, 184-192.	2.8	25
35	Arsenic and cadmium contents in Brazilian rice from different origins can vary more than two orders of magnitude. Food Chemistry, 2019, 286, 644-650.	4.2	30
36	Determination of Se and Te in coal at ultra-trace levels by ICP-MS after microwave-induced combustion. Journal of Analytical Atomic Spectrometry, 2019, 34, 998-1004.	1.6	10

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37	Seaweed fertilisation impacts the chemical and isotopic composition of barley: Implications for analyses of archaeological skeletal remains. Journal of Archaeological Science, 2019, 104, 34-44.	1.2	20
38	Why is NanoSIMS elemental imaging of arsenic in seaweed (Laminaria digitata) important for understanding of arsenic biochemistry in addition to speciation information?. Journal of Analytical Atomic Spectrometry, 2019, 34, 2295-2302.	1.6	20
39	Novel non-targeted analysis of perfluorinated compounds using fluorine-specific detection regardless of their ionisability (HPLC-ICPMS/MS-ESI-MS). Analytica Chimica Acta, 2019, 1053, 22-31.	2.6	40
40	Validation and inter-laboratory study of selective hydride generation for fast screening of inorganic arsenic in seafood. Analytica Chimica Acta, 2019, 1049, 20-28.	2.6	24
41	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. Analytical Chemistry, 2019, 91, 1164-1170.	3.2	20
42	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. Analytical and Bioanalytical Chemistry, 2019, 411, 565-580.	1.9	7
43	Analytical methods involve speciation analysis and elemental mapping to describe processes in biogeochemistry: A review. , 2019, , 213-214.		0
44	Determination of Se at low concentration in coal by collision/reaction cell technology inductively coupled plasma mass spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2018, 143, 48-54.	1.5	11
45	Potential dietary, non-metabolic accumulation of arsenic (As) in seaweed-eating sheep's teeth: Implications for archaeological studies. Journal of Archaeological Science, 2018, 94, 21-31.	1.2	2
46	Tellurium, selenium and cobalt enrichment in Neoproterozoic black shales, Gwna Group, UK: Deep marine trace element enrichment during the Second Great Oxygenation Event. Terra Nova, 2018, 30, 244-253.	0.9	13
47	Importance of ICPMS for speciation analysis is changing: future trends for targeted and non-targeted element speciation analysis. Analytical and Bioanalytical Chemistry, 2018, 410, 661-667.	1.9	40
48	The role of selenium in mercury toxicity â€“ Current analytical techniques and future trends in analysis of selenium and mercury interactions in biological matrices. TrAC - Trends in Analytical Chemistry, 2018, 104, 95-109.	5.8	31
49	Quantification of labile and stable non-polar arsenolipids in commercial fish meals and edible seaweed samples. Journal of Analytical Atomic Spectrometry, 2018, 33, 102-110.	1.6	22
50	Physicochemical Tools: Toward a Detailed Understanding of the Architecture of Targeted Radiotherapy Nanoparticles. ACS Applied Bio Materials, 2018, 1, 1639-1646.	2.3	4
51	A Method for Methylmercury and Inorganic Mercury in Biological Samples Using High Performance Liquid Chromatography- Inductively Coupled Plasma Mass Spectrometry. Analytical Sciences, 2018, 34, 1329-1334.	0.8	23
52	Plasma processes to detect fluorine with ICPMS/MS as [Mâ€“F]⁺: an argument for building a negative mode ICPMS/MS. Journal of Analytical Atomic Spectrometry, 2018, 33, 1304-1309.	1.6	28
53	Comparison of on-site field measured inorganic arsenic in rice with laboratory measurements using a field deployable method: Method validation. Food Chemistry, 2018, 263, 180-185.	4.2	6
54	Multi-stage pyrite genesis and epigenetic selenium enrichment of Greenburn coals (East Ayrshire). Scottish Journal of Geology, 2018, 54, 37-49.	0.1	8

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55	Feasibility of As, Sb, Se and Te determination in coal by solid sampling electrothermal vaporization inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 2018, 33, 1384-1393.	1.6	15
56	Selenium and tellurium resources in Kisgruva Proterozoic volcanogenic massive sulphide deposit (Norway). Ore Geology Reviews, 2018, 99, 411-424.	1.1	18
57	Reactive gaseous mercury is generated from chloralkali factories resulting in extreme concentrations of mercury in hair of workers. Scientific Reports, 2018, 8, 3675.	1.6	11
58	High selenium in the Carboniferous Coal Measures of Northumberland, North East England. International Journal of Coal Geology, 2018, 195, 61-74.	1.9	28
59	Metallomics Study in Plants Exposed to Arsenic, Mercury, Selenium and Sulphur. Advances in Experimental Medicine and Biology, 2018, 1055, 67-100.	0.8	6
60	Determination of arsenic in agricultural soil samples using High-resolution continuum source graphite furnace atomic absorption spectrometry and direct solid sample analysis. Talanta, 2018, 188, 722-728.	2.9	37
61	Novel non-target analysis of fluorine compounds using ICPMS/MS and HPLC-ICPMS/MS. Journal of Analytical Atomic Spectrometry, 2017, 32, 942-950.	1.6	43
62	A field deployable method for a rapid screening analysis of inorganic arsenic in seaweed. Mikrochimica Acta, 2017, 184, 1701-1709.	2.5	18
63	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. Food Control, 2017, 78, 456-462.	2.8	11
64	A rapid monitoring method for inorganic arsenic in rice flour using reversed phase-high performance liquid chromatography-inductively coupled plasma mass spectrometry. Journal of Chromatography A, 2017, 1479, 129-136.	1.8	35
65	Sulphur fertilization influences the sulphur species composition in Allium sativum: sulphomics using HPLC-ICPMS/MS-ESI-MS/MS. Metallomics, 2017, 9, 1429-1438.	1.0	12
66	High proportions of inorganic arsenic in Laminaria digitata but not in Ascophyllum nodosum samples from Ireland. Chemosphere, 2017, 186, 17-23.	4.2	46
67	The morphogenic responses and phytochelatin complexes induced by arsenic in Pteris vittata change in the presence of cadmium. Environmental and Experimental Botany, 2017, 133, 176-187.	2.0	34
68	Methylmercury varies more than one order of magnitude in commercial European rice. Food Chemistry, 2017, 214, 360-365.	4.2	41
69	A black shale protolith for gold-tellurium mineralisation in the Dalradian Supergroup (Neoproterozoic) of Britain and Ireland. Transactions of the Institution of Mining and Metallurgy Section B-Applied Earth Science, 2017, 126, 161-175.	0.8	11
70	Selenium and Other Trace Element Mobility in Waste Products and Weathered Sediments at Parys Mountain Copper Mine, Anglesey, UK. Minerals (Basel, Switzerland), 2017, 7, 229.	0.8	15
71	Tellurium Enrichment in Jurassic Coal, Brora, Scotland. Minerals (Basel, Switzerland), 2017, 7, 231.	0.8	11
72	Comment on â€œEffects of Arsenite during Fetal Development on Energy Metabolism and Susceptibility to Diet-Induced Fatty Liver Diseases in Male Miceâ€•and â€œMechanisms Underlying Latent Disease Risk Associated with Early-Life Arsenic Exposure: Current Trends and Scientific Gapsâ€• Environmental Health Perspectives, 2016, 124, A99.	2.8	4

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73	Sub-lethal cadmium exposure increases phytochelatin concentrations in the aquatic snail Lymnaea stagnalis. Science of the Total Environment, 2016, 568, 1054-1058.	3.9	16
74	Environmental effects on arsenosugars and arsenolipids in Ectocarpus (Phaeophyta). Environmental Chemistry, 2016, 13, 21.	0.7	31
75	Accurate and precise quantification of Cu,Zn-SOD in human red blood cells using species-specific double and triple IDMS. Journal of Analytical Atomic Spectrometry, 2016, 31, 1922-1928.	1.6	6
76	The importance of glutathione and phytochelatins on the selenite and arsenate detoxification in Arabidopsis thaliana. Journal of Environmental Sciences, 2016, 49, 150-161.	3.2	38
77	Arsenic containing medium and long chain fatty acids in marine fish oil identified as degradation products using reversed-phase HPLC-ICP-MS/ESI-MS. Journal of Analytical Atomic Spectrometry, 2016, 31, 1836-1845.	1.6	27
78	Accuracy of a method based on atomic absorption spectrometry to determine inorganic arsenic in food: Outcome of the collaborative trial IMEP-41. Food Chemistry, 2016, 213, 169-179.	4.2	22
79	Cobalamin Concentrations in Fetal Liver Show Gender Differences: A Result from Using a High-Pressure Liquid Chromatographyâ€“Inductively Coupled Plasma Mass Spectrometry as an Ultratrace Cobalt Speciation Method. Analytical Chemistry, 2016, 88, 12419-12426.	3.2	2
80	Phylogenomic Analysis of Natural Products Biosynthetic Gene Clusters Allows Discovery of Arseno-Organic Metabolites in Model Streptomycetes. Genome Biology and Evolution, 2016, 8, 1906-1916.	1.1	111
81	Element content and daily intake from dietary supplements (nutraceuticals) based on algae, garlic, yeast fish and krill oilsâ€”Should consumers be worried?. Journal of Food Composition and Analysis, 2016, 53, 49-60.	1.9	13
82	Organoarsenicals in seaweed are they toxic or beneficial: Their analysis, their toxicity and their biosynthesis. Arsenic in the Environment Proceedings, 2016, , 306-307.	0.0	0
83	In vivo formation of natural HgSe nanoparticles in the liver and brain of pilot whales. Scientific Reports, 2016, 6, 34361.	1.6	82
84	Mercury Speciation and Distribution in an Egyptian Natural Gas Processing Plant. Energy & Fuels, 2016, 30, 10236-10243.	2.5	31
85	Impact of selenium supplementation on fish antiviral responses: a whole transcriptomic analysis in rainbow trout (Oncorhynchus mykiss) fed supranutritional levels of Sel-PlexÂ®. BMC Genomics, 2016, 17, 116.	1.2	65
86	Possible link between Hg and Cd accumulation in the brain of long-finned pilot whales (Globicephala) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.9	43
87	Investigation of chemical modifiers for the direct determination of arsenic in fish oil using high-resolution continuum source graphite furnace atomic absorption spectrometry. Talanta, 2016, 150, 142-147.	2.9	24
88	Hg Speciation in Petroleum Hydrocarbons with Emphasis on the Reactivity of Hg Particles. Energy & Fuels, 2016, 30, 130-137.	2.5	26
89	The mechanisms of detoxification of As(III), dimethylarsinic acid (DMA) and As(V) in the microalga Chlorella vulgaris. Aquatic Toxicology, 2016, 175, 56-72.	1.9	20
90	Assessing rare earth elements in quartz rich geological samples. Applied Radiation and Isotopes, 2016, 107, 323-329.	0.7	8

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91	Host-Imposed Copper Poisoning Impacts Fungal Micronutrient Acquisition during Systemic Candida albicans Infections. PLoS ONE, 2016, 11, e0158683.	1.1	64
92	Biosynthesis of the Fluorinated Natural Product Nucleocidin in Streptomyces calvus Is Dependent on the bldAâ€Specified Leuâ€tRNA^{UUA} Molecule. ChemBioChem, 2015, 16, 2498-2506.	1.3	41
93	Arsenic, antimony, and Leishmania: has arsenic contamination of drinking water in India led to treatment- resistant kala-azar?. Lancet, The, 2015, 385, S80.	6.3	21
94	Arsenic Exposure and Outcomes of Antimonial Treatment in Visceral Leishmaniasis Patients in Bihar, India: A Retrospective Cohort Study. PLoS Neglected Tropical Diseases, 2015, 9, e0003518.	1.3	37
95	In utero exposure to cigarette chemicals induces sex-specific disruption of one-carbon metabolism and DNA methylation in the human fetal liver. BMC Medicine, 2015, 13, 18.	2.3	58
96	Selenopeptides and elemental selenium in Thunbergia alata after exposure to selenite: quantification method for elemental selenium. Metallomics, 2015, 7, 1056-1066.	1.0	21
97	Introduction of regulations for arsenic in feed and food with emphasis on inorganic arsenic, and implications for analytical chemistry. Analytical and Bioanalytical Chemistry, 2015, 407, 8385-8396.	1.9	54
98	Detection of Inorganic Arsenic in Rice Using a Field Test Kit: A Screening Method. Analytical Chemistry, 2015, 87, 11271-11276.	3.2	36
99	Quick and robust method for trace determination of MeHg in rice and rice products without derivatisation. Analytical Methods, 2015, 7, 8584-8589.	1.3	12
100	Cadmium and lead in vegetable and fruit produce selected from specific regional areas of the UK. Science of the Total Environment, 2015, 533, 520-527.	3.9	55
101	Direct online HPLC-CV-AFS method for traces of methylmercury without derivatisation: a matrix-independent method for urine, sediment and biological tissue samples. Analytical and Bioanalytical Chemistry, 2015, 407, 973-981.	1.9	27
102	Methylmercury in water samples at the pg/L level by online preconcentration liquid chromatography cold vapor-atomic fluorescence spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2015, 105, 103-108.	1.5	40
103	Evaluation of Hg species after culinary treatments of fish. Food Control, 2015, 47, 413-419.	2.8	36
104	Selenium and tellurium enrichment in palaeo-oil reservoirs. Journal of Geochemical Exploration, 2015, 148, 169-173.	1.5	21
105	Selenium Supplementation in Fish: A Combined Chemical and Biomolecular Study to Understand Sel-Plex Assimilation and Impact on Selenoproteome Expression in Rainbow Trout (Oncorhynchus) Tj ETQq1 1 0.784314 rgBT /Overlo		
106	Microwave-Assisted Sample Preparation for Element Speciation. , 2014, , 281-312.		2
107	Imaging of trace elements in tissues. Current Opinion in Clinical Nutrition and Metabolic Care, 2014, 17, 431-439.	1.3	10
108	Speciation without Chromatography Using Selective Hydride Generation: Inorganic Arsenic in Rice and Samples of Marine Origin. Analytical Chemistry, 2014, 86, 993-999.	3.2	95

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109	Speciation and toxicity of arsenic in mining-affected lake sediments in the Quinsam watershed, British Columbia. Science of the Total Environment, 2014, 466-467, 90-99.	3.9	19
110	Inorganic arsenic in seafood: Does the extraction method matter?. Food Chemistry, 2014, 150, 353-359.	4.2	43
111	Identification of arsenolipids and their degradation products in cod-liver oil. Talanta, 2014, 118, 217-223.	2.9	51
112	Boron speciation in acid digests of metallurgical grade silicon reveals problem for accurate boron quantification by inductively coupled plasma â€“ optical emission spectroscopy. Journal of Analytical Atomic Spectrometry, 2014, 29, 614-622.	1.6	10
113	Evaluation of dietary exposure of crabs to inorganic mercury or methylmercury, with or without co-exposure to selenium. Journal of Analytical Atomic Spectrometry, 2014, 29, 1273-1281.	1.6	6
114	Hydride generation ICP-MS as a simple method for determination of inorganic arsenic in rice for routine biomonitoring. Analytical Methods, 2014, 6, 5392-5396.	1.3	37
115	Enhanced determination of Asâ€“phytochelatin complexes in Chlorella vulgaris using focused sonication for extraction of water-soluble species. Analytical Methods, 2014, 6, 791-797.	1.3	15
116	Identification and quantification of phytochelatins in roots of rice to long-term exposure: evidence of individual role on arsenic accumulation and translocation. Journal of Experimental Botany, 2014, 65, 1467-1479.	2.4	149
117	Arsenolipids show different profiles in muscle tissues of four commercial fish species. Journal of Trace Elements in Medicine and Biology, 2014, 28, 131-137.	1.5	35
118	Isotope ratio measurements in biological tissues using LA-ICP-MS â€“ possibilities, limitations, and perspectives. Journal of Analytical Atomic Spectrometry, 2013, 28, 1367.	1.6	23
119	Novel Identification of Arsenolipids Using Chemical Derivatizations in Conjunction with RP-HPLC-ICPMS/ESMS. Analytical Chemistry, 2013, 85, 9321-9327.	3.2	75
120	Transformation of Arsenic Species during in Vitro Gastrointestinal Digestion of Vegetables. Journal of Agricultural and Food Chemistry, 2013, 61, 12164-12170.	2.4	26
121	Plasma zinc's alter ego is a lowâ€molecularâ€weight humoral factor. FASEB Journal, 2013, 27, 3672-3682.	0.2	11
122	Characterization of cytosolic glutathione peroxidase and phospholipid-hydroperoxide glutathione peroxidase genes in rainbow trout (Oncorhynchus mykiss) and their modulation by in vitro selenium exposure. Aquatic Toxicology, 2013, 130-131, 97-111.	1.9	52
123	Mining complex bacteria media for all fluorinated compounds made possible by using HPLC coupled parallel to fluorine-specific and molecular specific detection. Journal of Analytical Atomic Spectrometry, 2013, 28, 877.	1.6	10
124	Biovolatilisation: a poorly studied pathway of the arsenic biogeochemical cycle. Environmental Sciences: Processes and Impacts, 2013, 15, 1639.	1.7	62
125	Impact of a snail pellet on the phytoavailability of different metals to cucumber plants (Cucumis) Tj ETQq1 1 0.784314 rgBT /Overlock	1.7	1
126	Long-term zinc deprivation accelerates rat vascular smooth muscle cell proliferation involving the down-regulation of JNK1/2 expression in MAPK signaling. Atherosclerosis, 2013, 228, 46-52.	0.4	34

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127	Arsenic Speciation and Localization in Horticultural Produce Grown in a Historically Impacted Mining Region. Environmental Science & Technology, 2013, 47, 6164-6172.	4.6	29
128	Comprehensive Analysis of Lipophilic Arsenic Species in a Brown Alga (Saccharina latissima). Analytical Chemistry, 2013, 85, 2817-2824.	3.2	93
129	Fungal Iron Availability during Deep Seated Candidiasis Is Defined by a Complex Interplay Involving Systemic and Local Events. PLoS Pathogens, 2013, 9, e1003676.	2.1	48
130	Chronic exposure to arsenic in drinking water can lead to resistance to antimonial drugs in a mouse model of visceral leishmaniasis. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 19932-19937.	3.3	54
131	Marginal dietary zinc deficiency in vivo induces vascular smooth muscle cell apoptosis in large arteries. Cardiovascular Research, 2013, 99, 525-534.	1.8	30
132	Development of an Analytical Method for Antimony Speciation in Vegetables by HPLC-Hydride Generation-Atomic Fluorescence Spectrometry. Journal of AOAC INTERNATIONAL, 2012, 95, 1176-1182.	0.7	10
133	Determination of inorganic arsenic in seafood: Emphasizing the need for certified reference materials. Pure and Applied Chemistry, 2012, 84, 191-202.	0.9	23
134	Elevated copper in urine of Bangladeshi ethnic group living in the United Kingdom. Biomedical Spectroscopy and Imaging, 2012, 1, 355-364.	1.2	0
135	HPLC-HG-ICP-MS: a sensitive and selective method for inorganic arsenic in seafood. Analytical and Bioanalytical Chemistry, 2012, 404, 2185-2191.	1.9	31
136	Zinc isotope ratio imaging of rat brain thin sections from stable isotope tracer studies by LA-MC-ICP-MS. Metallomics, 2012, 4, 1057.	1.0	31
137	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. Analytical Chemistry, 2012, 84, 6213-6219.	3.2	49
138	Marine Metabolites and Metal Ion Chelation. , 2012, , 861-892.		6
139	First comprehensive peat depositional records for tin, lead and copper associated with the antiquity of Europe's largest cassiterite deposits. Journal of Archaeological Science, 2012, 39, 717-727.	1.2	32
140	Is it possible to agree on a value for inorganic arsenic in food? The outcome of IMEP-112. Analytical and Bioanalytical Chemistry, 2012, 404, 2475-2488.	1.9	36
141	Arsenate Impact on the Metabolite Profile, Production, and Arsenic Loading of Xylem Sap in Cucumbers (Cucumis sativus L.). Frontiers in Physiology, 2012, 3, 55.	1.3	15
142	Suboptimal dietary zinc intake promotes vascular inflammation and atherogenesis in a mouse model of atherosclerosis. Molecular Nutrition and Food Research, 2012, 56, 1097-1105.	1.5	37
143	Quantification of phytochelatins and their metal(loid) complexes: critical assessment of current analytical methodology. Analytical and Bioanalytical Chemistry, 2012, 402, 3299-3309.	1.9	37
144	Application of elemental bioimaging using laser ablation ICP-MS in forest pathology: distribution of elements in the bark of Picea sitchensis following wounding. Analytical and Bioanalytical Chemistry, 2012, 402, 3323-3331.	1.9	13

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145	Elemental imaging and speciation in plant science. Analytical and Bioanalytical Chemistry, 2012, 402, 3261-3262.	1.9	0
146	Multi-elemental bio-imaging of rat tissue from a study investigating the bioavailability of bismuth from shotgun pellets. Analytical and Bioanalytical Chemistry, 2012, 404, 89-99.	1.9	15
147	Phytochelatins play a key role in arsenic accumulation and tolerance in the aquatic macrophyte Wolffia globosa. Environmental Pollution, 2012, 165, 18-24.	3.7	47
148	Metabolite profile shifts in the heathland lichen Cladonia portentosa in response to N deposition reveal novel biomarkers. Physiologia Plantarum, 2012, 146, 160-172.	2.6	8
149	Microanalytical isotope ratio measurements and elemental mapping using laser ablation ICP-MS for tissue thin sections: zinc tracer studies in rats. Analytical and Bioanalytical Chemistry, 2012, 402, 287-297.	1.9	24
150	Species specific isotope dilution versus internal standardization strategies for the determination of Cu, Zn-superoxide dismutase in red blood cells. Journal of Analytical Atomic Spectrometry, 2011, 26, 150-155.	1.6	18
151	Identification and Quantification of Arsenolipids Using Reversed-Phase HPLC Coupled Simultaneously to High-Resolution ICPMS and High-Resolution Electrospray MS without Species-Specific Standards. Analytical Chemistry, 2011, 83, 3589-3595.	3.2	101
152	Atmospheric Stability of Arsine and Methylarsines. Environmental Science & Technology, 2011, 45, 4010-4015.	4.6	48
153	Field Fluxes and Speciation of Arsines Emanating from Soils. Environmental Science & Technology, 2011, 45, 1798-1804.	4.6	138
154	Speciation and Degradation of Triphenyltin in Typical Paddy Fields and Its Uptake into Rice Plants. Environmental Science & Technology, 2011, 45, 10524-10530.	4.6	33
155	Volatilization of Organotin Species from Municipal Waste Deposits: Novel Species Identification and Modeling of Atmospheric Stability. Environmental Science & Technology, 2011, 45, 943-950.	4.6	7
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