

# bernhard Michalke

## 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.

138 papers	3,457 citations	35 h-index	51 g-index
149 ext. papers	4,108 ext. citations	5.2 avg, IF	5.74 L-index

#	Paper	IF	Citations
138	Bis-choline tetrathiomolybdate prevents copper-induced blood-brain barrier damage. <i>Life Science Alliance</i> , <b>2022</b> , 5,	5.8	1
137	Genotoxic and inflammatory effects of spruce and brown coal briquettes combustion aerosols on lung cells at the air-liquid interface. <i>Science of the Total Environment</i> , <b>2022</b> , 806, 150489	10.2	3
136	Review about Powerful Combinations of Advanced and Hyphenated Sample Introduction Techniques with Inductively Coupled Plasma-Mass Spectrometry (ICP-MS) for Elucidating Trace Element Species in Pathologic Conditions on a Molecular Level. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23, 11108	6.3	3
135	Application of High-Z Gold Nanoparticles in Targeted Cancer Radiotherapy-Pharmacokinetic Modeling, Monte Carlo Simulation and Radiobiological Effect Modeling. <i>Cancers</i> , <b>2021</b> , 13,	6.6	1
134	BNIP3 promotes HIF-1 $\alpha$ -driven melanoma growth by curbing intracellular iron homeostasis. <i>EMBO Journal</i> , <b>2021</b> , 40, e106214	13	8
133	Alteration of iron (Fe), copper (Cu), zinc (Zn), and manganese (Mn) tissue levels and speciation in rats with desferioxamine-induced iron deficiency. <i>BioMetals</i> , <b>2021</b> , 34, 923-936	3.4	1
132	Systemic Jak1 activation causes extrarenal calcitriol production and skeletal alterations provoking stunted growth. <i>FASEB Journal</i> , <b>2021</b> , 35, e21721	0.9	1
131	Selenium at the eural arriers: eview. <i>Frontiers in Neuroscience</i> , <b>2021</b> , 15, 630016	5.1	13
130	Speciation of Serum Copper and Zinc-Binding High- and Low-Molecular Mass Ligands in Dairy Cows Using HPLC-ICP-MS Technique. <i>Biological Trace Element Research</i> , <b>2021</b> , 1	4.5	0
129	Characteristics of chemical profile, sources and PAH toxicity of PM in beijing in autumn-winter transit season with regard to domestic heating, pollution control measures and meteorology. <i>Chemosphere</i> , <b>2021</b> , 276, 130143	8.4	5
128	Simultaneous Quantification and Speciation of Trace Metals in Paired Serum and CSF Samples by Size Exclusion Chromatography-Inductively Coupled Plasma-Dynamic Reaction Cell-Mass Spectrometry (SEC-DRC-ICP-MS). <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	3
127	Association of Urinary and Dietary Selenium and of Serum Selenium Species with Serum Alanine Aminotransferase in a Healthy Italian Population. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	5
126	Cerebrospinal Fluid Iron-Ferritin Ratio as a Potential Progression Marker for Parkinson's Disease. <i>Movement Disorders</i> , <b>2021</b> ,	7	1
125	Mitochondrial Impairment by MitoBlock-6 Inhibits Liver Cancer Cell Proliferation. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 725474	5.7	1
124	Novel Extraction Method for Combined Lipid and Metal Speciation From With Focus on Iron Redox Status and Lipid Profiling.. <i>Frontiers in Chemistry</i> , <b>2021</b> , 9, 788094	5	2
123	Chemical activation of SAT1 corrects diet-induced metabolic syndrome. <i>Cell Death and Differentiation</i> , <b>2020</b> , 27, 2904-2920	12.7	11
122	Sulfhydryl groups as targets of mercury toxicity. <i>Coordination Chemistry Reviews</i> , <b>2020</b> , 417, 213343-213343	3.3	55

121	Influence of wood species on toxicity of log-wood stove combustion aerosols: a parallel animal and air-liquid interface cell exposure study on spruce and pine smoke. <i>Particle and Fibre Toxicology</i> , <b>2020</b> , 17, 27	8.4	15
120	Association between arsenic exposure and biomarkers of type 2 diabetes mellitus in a Croatian population: A comparative observational pilot study. <i>Science of the Total Environment</i> , <b>2020</b> , 720, 137575	10.2	10
119	Titanium and zirconium release from titanium- and zirconia implants in mini pig maxillae and their toxicity in vitro. <i>Dental Materials</i> , <b>2020</b> , 36, 402-412	5.7	22
118	Selenium and Selenoproteins in Adipose Tissue Physiology and Obesity. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	32
117	The study of levels from redox-active elements in cerebrospinal fluid of amyotrophic lateral sclerosis patients carrying disease-related gene mutations shows potential copper dyshomeostasis. <i>Metallomics</i> , <b>2020</b> , 12, 668-681	4.5	10
116	Comparison of Methodologies to Estimate Dietary Cadmium Intake in an Italian Population. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	5
115	Setup of Capillary Electrophoresis-Inductively Coupled Plasma Mass Spectrometry (CE-ICP-MS) for Quantification of Iron Redox Species (Fe(II), Fe(III)). <i>Journal of Visualized Experiments</i> , <b>2020</b> ,	1.6	4
114	Assessment of copper, iron, zinc and manganese status and speciation in patients with Parkinson's disease: A pilot study. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2020</b> , 59, 126423	4.1	19
113	Elemental fingerprint: Reassessment of a cerebrospinal fluid biomarker for Parkinson's disease. <i>Neurobiology of Disease</i> , <b>2020</b> , 134, 104677	7.5	8
112	Quantification of manganous ions in wine by NMR relaxometry. <i>Talanta</i> , <b>2020</b> , 209, 120561	6.2	9
111	Investigation of total zinc contents and zinc-protein profile in medicinal plants traditionally used for diabetes treatment. <i>BioMetals</i> , <b>2020</b> , 33, 65-74	3.4	8
110	Cr and Mn total, accessible species, and protein-fraction contents in plants used for traditional anti-diabetes treatment. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2020</b> , 62, 126645	4.1	4
109	Manganese-induced neurotoxicity in cerebellar granule neurons due to perturbation of cell network pathways with potential implications for neurodegenerative disorders. <i>Metallomics</i> , <b>2020</b> , 12, 1656-1678	4.5	3
108	Placental distribution of endogenous and exogenous substances: A pilot study utilizing cryo-sampled specimen off delivery room. <i>Placenta</i> , <b>2020</b> , 100, 45-53	3.4	5
107	LC-ICP-MS method for the determination of "extractable copper" in serum. <i>Metallomics</i> , <b>2020</b> , 12, 1348-1355	13.5	12
106	Changes induced by heavy metals in the plant-associated microbiome of <i>Miscanthus x giganteus</i> . <i>Science of the Total Environment</i> , <b>2020</b> , 711, 134433	10.2	19
105	Selenium speciation analysis in the cerebrospinal fluid of patients with Parkinson's disease. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2020</b> , 57, 126412	4.1	12
104	Selenium and Other Trace Elements in the Etiology of Parkinson's Disease: A Systematic Review and Meta-Analysis of Case-Control Studies. <i>Neuroepidemiology</i> , <b>2020</b> , 54, 1-23	5.4	25

103	Accurate quantification of metal-glycinates-sulphate complexes and free metals in feed by capillary electrophoresis inductively coupled plasma mass spectrometry. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2019</b> , 56, 207-212	4.1	3
102	Selenium and selenium species in the etiology of Alzheimer's dementia: The potential for bias of the case-control study design. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2019</b> , 53, 154-162	4.1	21
101	Iron Redox Speciation Analysis Using Capillary Electrophoresis Coupled to Inductively Coupled Plasma Mass Spectrometry (CE-ICP-MS). <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 136	5	15
100	Selenium and iodine in diabetes mellitus with a focus on the interplay and speciation of the elements. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2019</b> , 56, 69-80	4.1	13
99	Levels of serum trace elements in patients with primary open-angle glaucoma. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2019</b> , 53, 129-134	4.1	8
98	Integrative Metabolomic and Metallomic Analysis in a Case-Control Cohort With Parkinson's Disease. <i>Frontiers in Aging Neuroscience</i> , <b>2019</b> , 11, 331	5.3	9
97	PM concentration and composition in the urban air of Nanjing, China: Effects of emission control measures applied during the 2014 Youth Olympic Games. <i>Science of the Total Environment</i> , <b>2019</b> , 652, 1-18	10.2	17
96	Aluminium (Al) speciation in serum and urine after subcutaneous venom immunotherapy with Al as adjuvant. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2018</b> , 49, 178-183	4.1	5
95	Diet composition and serum levels of selenium species: A cross-sectional study. <i>Food and Chemical Toxicology</i> , <b>2018</b> , 115, 482-490	4.7	40
94	Species fractionation in a case-control study concerning Parkinson's disease: Cu-amino acids discriminate CSF of PD from controls. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2018</b> , 49, 164-170	4.1	16
93	Elemental fingerprint as a cerebrospinal fluid biomarker for the diagnosis of Parkinson's disease. <i>Journal of Neurochemistry</i> , <b>2018</b> , 145, 342-351	6	25
92	Diagnostic potential of major and trace elements in the serum of bladder cancer patients. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2018</b> , 46, 150-155	4.1	13
91	Seasonal variability and source distribution of haze particles from a continuous one-year study in Beijing. <i>Atmospheric Pollution Research</i> , <b>2018</b> , 9, 627-633	4.5	13
90	Chemical composition and speciation of particulate organic matter from modern residential small-scale wood combustion appliances. <i>Science of the Total Environment</i> , <b>2018</b> , 612, 636-648	10.2	36
89	The importance of speciation analysis in neurodegeneration research. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2018</b> , 104, 160-170	14.6	36
88	Levels of aqueous humor trace elements in patients with open-angle glaucoma. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2018</b> , 45, 150-155	4.1	26
87	Selenium-rich mushrooms cultivation on a wheat straw substrate from seleniferous area in Punjab, India. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2018</b> , 50, 362-366	4.1	10
86	Aqueous humor selenium level and open-angle glaucoma. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2018</b> , 50, 67-72	4.1	6

85	Speciation of nano and ionic form of silver with capillary electrophoresis-inductively coupled plasma mass spectrometry. <i>Journal of Chromatography A</i> , <b>2018</b> , 1572, 162-171	4.5	22
84	Metabolomic investigations in cerebrospinal fluid of Parkinson's disease. <i>PLoS ONE</i> , <b>2018</b> , 13, e0208752	3.7	30
83	Selenium Neurotoxicity and Amyotrophic Lateral Sclerosis: An Epidemiologic Perspective. <i>Molecular and Integrative Toxicology</i> , <b>2018</b> , 231-248	0.5	6
82	Manganese causes neurotoxic iron accumulation via translational repression of amyloid precursor protein and H-Ferritin. <i>Journal of Neurochemistry</i> , <b>2018</b> , 147, 831-848	6	44
81	Oral versus intravenous iron replacement therapy distinctly alters the gut microbiota and metabolome in patients with IBD. <i>Gut</i> , <b>2017</b> , 66, 863-871	19.2	160
80	Aerosol emissions of a ship diesel engine operated with diesel fuel or heavy fuel oil. <i>Environmental Science and Pollution Research</i> , <b>2017</b> , 24, 10976-10991	5.1	45
79	Nitric oxide-fixation by non-symbiotic haemoglobin proteins in <i>Arabidopsis thaliana</i> under N-limited conditions. <i>Plant, Cell and Environment</i> , <b>2017</b> , 40, 36-50	8.4	29
78	Integration of instrumental neutron activation analysis and inductively coupled plasma-optical emission spectrometry with mathematical modeling for the elemental analysis of plants. <i>Instrumentation Science and Technology</i> , <b>2017</b> , 45, 525-540	1.4	4
77	Lead, cadmium and mercury in cerebrospinal fluid and risk of amyotrophic lateral sclerosis: A case-control study. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2017</b> , 43, 121-125	4.1	40
76	Previously unknown class of metalorganic compounds revealed in meteorites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 2819-2824	11.5	34
75	Elevated Levels of Selenium Species in Cerebrospinal Fluid of Amyotrophic Lateral Sclerosis Patients with Disease-Associated Gene Mutations. <i>Neurodegenerative Diseases</i> , <b>2017</b> , 17, 171-180	2.3	34
74	Sodium storage in human tissues is mediated by glycosaminoglycan expression. <i>American Journal of Physiology - Renal Physiology</i> , <b>2017</b> , 313, F319-F325	4.3	31
73	Biokinetic measurements and modelling of urinary excretion of cerium citrate in humans. <i>Radiation and Environmental Biophysics</i> , <b>2017</b> , 56, 1-8	2	6
72	Redox speciation of iron, manganese, and copper in cerebrospinal fluid by strong cation exchange chromatography - sector field inductively coupled plasma mass spectrometry. <i>Analytica Chimica Acta</i> , <b>2017</b> , 973, 25-33	6.6	34
71	Biomonitoring of boron: Development and characterization of a simple, reliable and quality controlled biomonitoring method. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2017</b> , 40, 24-29	4.1	2
70	Speciation and element-specific detection <b>2017</b> , 753-767		
69	A selenium species in cerebrospinal fluid predicts conversion to Alzheimer's dementia in persons with mild cognitive impairment. <i>Alzheimer's Research and Therapy</i> , <b>2017</b> , 9, 100	9	54
68	Toenail selenium as an indicator of environmental exposure: A cross-sectional study. <i>Molecular Medicine Reports</i> , <b>2017</b> , 15, 3405-3412	2.9	24

67	Determinants of serum manganese levels in an Italian population. <i>Molecular Medicine Reports</i> , <b>2017</b> , 15, 3340-3349	2.9	7
66	Non-Redfield, nutrient synergy and flexible internal elemental stoichiometry in a marine bacterium. <i>FEMS Microbiology Ecology</i> , <b>2017</b> , 93,	4.3	4
65	Higher bioavailability of magnesium citrate as compared to magnesium oxide shown by evaluation of urinary excretion and serum levels after single-dose administration in a randomized cross-over study. <i>BMC Nutrition</i> , <b>2017</b> , 3,	2.5	18
64	Selenium speciation in paired serum and cerebrospinal fluid samples of sheep. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2016</b> , 33, 14-20	4.1	7
63	Environmental Speciation of Platinum Emissions from Chemotherapy <b>2016</b> , 305-317		
62	Electrochemistry Coupled to Mass Spectrometry for Investigating Oxidative Metabolism of Pt-Based Drug Conjugates: A Novel Approach <b>2016</b> , 117-127		
61	Biomedical and Pharmaceutical Applications <b>2016</b> , 359-462		5
60	Determinants of serum cadmium levels in a Northern Italy community: A cross-sectional study. <i>Environmental Research</i> , <b>2016</b> , 150, 219-226	7.9	27
59	Analysis of titanium and other metals in human jawbones with dental implants - A case series study. <i>Dental Materials</i> , <b>2016</b> , 32, 1042-51	5.7	40
58	Review about the manganese speciation project related to neurodegeneration: An analytical chemistry approach to increase the knowledge about manganese related parkinsonian symptoms. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2016</b> , 37, 50-61	4.1	20
57	Capillary Electrophoresis-Inductively Coupled Plasma Mass Spectrometry. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1483, 167-80	1.4	2
56	Selenium species in the roots and shoots of chickpea plants treated with different concentrations of sodium selenite. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 16978-86	5.1	9
55	Intracellular uptake and toxicity of three different Titanium particles. <i>Dental Materials</i> , <b>2015</b> , 31, 734-44	5.7	24
54	Selenium speciation in human serum and its implications for epidemiologic research: a cross-sectional study. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2015</b> , 31, 1-10	4.1	53
53	An approach for manganese biomonitoring using a manganese carrier switch in serum from transferrin to citrate at slightly elevated manganese concentration. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2015</b> , 32, 145-54	4.1	12
52	Characterization of a rapid and reliable method for iodide biomonitoring in serum and urine based on ion chromatography-ICP-mass spectrometry. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2015</b> , 29, 63-8	4.1	22
51	Diverse Serum Manganese Species Affect Brain Metabolites Depending on Exposure Conditions. <i>Chemical Research in Toxicology</i> , <b>2015</b> , 28, 1434-42	4	15
50	Changes in Brain Metallome/Metabolome Pattern due to a Single i.v. Injection of Manganese in Rats. <i>PLoS ONE</i> , <b>2015</b> , 10, e0138270	3.7	19



49	New insights into manganese toxicity and speciation. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2014</b> , 28, 106-116	4.1	90
48	Selenium neurotoxicity in humans: bridging laboratory and epidemiologic studies. <i>Toxicology Letters</i> , <b>2014</b> , 230, 295-303	4.4	123
47	Manganese leads to an increase in markers of oxidative stress as well as to a shift in the ratio of Fe(II)/(III) in rat brain tissue. <i>Metallomics</i> , <b>2014</b> , 6, 921-31	4.5	70
46	Neue Einsichten in die Toxizität und die Speziation von Mangan. <i>Perspectives in Medicine</i> , <b>2014</b> , 2, 109-124		1
45	Anwendung der Platinspeziation zum Nachweis einer Aktivierung oder Inhibierung von Pt enthaltenden Krebsmedikamenten. <i>Perspectives in Medicine</i> , <b>2014</b> , 2, 79-90		1
44	Selenium speciation in paired serum and cerebrospinal fluid samples. <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 1875-84	4.4	53
43	Manganese speciation in paired serum and CSF samples using SEC-DRC-ICP-MS and CE-ICP-DRC-MS. <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 2301-9	4.4	33
42	Speciation of Trace Elements <b>2013</b> , 611-632		1
41	Cerebrospinal fluid of newly diagnosed amyotrophic lateral sclerosis patients exhibits abnormal levels of selenium species including elevated selenite. <i>NeuroToxicology</i> , <b>2013</b> , 38, 25-32	4.4	93
40	Contribution to selenium speciation in cerebrospinal fluid samples. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2011</b> , 26, 165-170	3.7	34
39	Cerium in human milk samples and its transfer from blood to milk: Is there an elevated nutritional risk for breast-fed babies?. <i>Pure and Applied Chemistry</i> , <b>2011</b> , 84, 313-324	2.1	4
38	Daily urinary excretion of uranium in members of the public of Southwest Nigeria. <i>Science of the Total Environment</i> , <b>2011</b> , 412-413, 344-50	10.2	9
37	The biogenic methanobactin is an effective chelator for copper in a rat model for Wilson disease. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2011</b> , 25, 36-41	4.1	31
36	Manganese inhibits poly(ADP-ribosyl)ation in human cells: a possible mechanism behind manganese-induced toxicity?. <i>Journal of Environmental Monitoring</i> , <b>2010</b> , 12, 2062-9		37
35	Rapid size fractionation of metal species in paired human serum and cerebrospinal fluid samples using ultrafiltration with off-line element selective detection. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2010</b> , 25, 1130	3.7	20
34	Platinum speciation used for elucidating activation or inhibition of Pt-containing anti-cancer drugs. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2010</b> , 24, 69-77	4.1	62
33	Review on metal speciation analysis in cerebrospinal fluid-current methods and results: a review. <i>Analytica Chimica Acta</i> , <b>2010</b> , 682, 23-36	6.6	60
32	4th International Conference on Trace Element Speciation in Biomedical, Nutritional and Environmental Sciences. <i>Analytical and Bioanalytical Chemistry</i> , <b>2009</b> , 393, 415-418	4.4	1

31	Electrospray ionisation with selected reaction monitoring for the determination of Mn-citrate, Fe-citrate, Cu-citrate and Zn-citrate. <i>Rapid Communications in Mass Spectrometry</i> , <b>2009</b> , 23, 2338-46	2.2	20
30	A method for low volume and low Se concentration samples and application to paired cerebrospinal fluid and serum samples. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2009</b> , 23, 243-50	4.1	22
29	JEM spotlight: metal speciation related to neurotoxicity in humans. <i>Journal of Environmental Monitoring</i> , <b>2009</b> , 11, 939-54		60
28	Perspective on element speciation. <i>Journal of Environmental Monitoring</i> , <b>2009</b> , 11, 1754-6		3
27	Speciation analysis of selected metals and determination of their total contents in paired serum and cerebrospinal fluid samples: An approach to investigate the permeability of the human blood-cerebrospinal fluid-barrier. <i>Analytica Chimica Acta</i> , <b>2008</b> , 627, 258-69	6.6	113
26	Size characterization of manganese species from human serum and cerebrospinal fluid using size exclusion chromatography coupled to inductively coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2007</b> , 22, 267-272	3.7	20
25	Manganese speciation in human cerebrospinal fluid using CZE coupled to inductively coupled plasma MS. <i>Electrophoresis</i> , <b>2007</b> , 28, 1380-6	3.6	40
24	Manganese species from human serum, cerebrospinal fluid analyzed by size exclusion chromatography-, capillary electrophoresis coupled to inductively coupled plasma mass spectrometry. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2007</b> , 21 Suppl 1, 4-9	4.1	48
23	Speciation and toxicological relevance of manganese in humans. <i>Journal of Environmental Monitoring</i> , <b>2007</b> , 9, 650-6		70
22	Recent advances in trace element research: From experiments to nutritional and clinical applications in humans. <i>Environmental Science and Pollution Research</i> , <b>2007</b> , 14, 350-350	5.1	1
21	Analysis of size characterized manganese species from liver extracts using capillary zone electrophoresis coupled to inductively coupled plasma mass spectrometry (CZE-ICP-MS). <i>Analytica Chimica Acta</i> , <b>2006</b> , 573-574, 172-80	6.6	22
20	Capillary electrophoresis-inductively coupled plasma-mass spectrometry: a report on technical principles and problem solutions, potential, and limitations of this technology as well as on examples of application. <i>Electrophoresis</i> , <b>2005</b> , 26, 1584-97	3.6	84
19	Manganese speciation using capillary electrophoresis-ICP-mass spectrometry. <i>Journal of Chromatography A</i> , <b>2004</b> , 1050, 69-76	4.5	53
18	Selenium speciation in human serum of cystic fibrosis patients compared to serum from healthy persons. <i>Journal of Chromatography A</i> , <b>2004</b> , 1058, 203-8	4.5	7
17	Element speciation definitions, analytical methodology, and some examples. <i>Ecotoxicology and Environmental Safety</i> , <b>2003</b> , 56, 122-39	7	61
16	Extraction and characterisation of trace element species from porcine liver samples using online HPLC-ICP-MS and offline HPLC-ESI-MS. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2003</b> , 18, 444-451	3.7	13
15	The coupling of LC to ICP-MS in element speciation: I. General aspects. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2002</b> , 21, 142-153	14.6	55
14	Developments of a rugged method for selenium speciation. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2001</b> , 16, 593-597	3.7	14



13	Method developments for iodine speciation by reversed-phase liquid chromatography-ICP-mass spectrometry. <i>Biological Trace Element Research</i> , <b>2000</b> , 78, 67-79	4.5	37
12	Iodine speciation in human serum by reversed-phase liquid chromatography-ICP-mass spectrometry. <i>Biological Trace Element Research</i> , <b>2000</b> , 78, 81-91	4.5	31
11	Platinum speciation in clinical and environmental samples: scrutiny of data obtained by using electrophoresis techniques (flatbed and capillary). <i>Electrophoresis</i> , <b>1999</b> , 20, 1627-33	3.6	16
10	Iodine speciation in biological samples by capillary electrophoresis-inductively coupled plasma mass spectrometry. <i>Electrophoresis</i> , <b>1999</b> , 20, 2547-53	3.6	54
9	Potential and limitations of capillary electrophoresis inductively coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , <b>1999</b> , 14, 1297-1302	3.7	23
8	Application of capillary zone electrophoresis-inductively coupled plasma mass spectrometry and capillary isoelectric focusing-inductively coupled plasma mass spectrometry for selenium speciation. <i>Journal of Chromatography A</i> , <b>1998</b> , 807, 71-80	4.5	80
7	Capillary electrophoresis interfaced to inductively coupled plasma mass spectrometry for element selective detection in arsenic speciation. <i>Electrophoresis</i> , <b>1998</b> , 19, 2220-5	3.6	36
6	Studies on Speciation of Antimony in Soil Contaminated by Industrial Activity. <i>International Journal of Environmental Analytical Chemistry</i> , <b>1998</b> , 72, 11-25	1.8	80
5	Speciation of Inorganic Arsenic and Selenium in Contaminated Ground Water Samples Distribution and Long-Term Stability of Species. <i>International Journal of Environmental Analytical Chemistry</i> , <b>1998</b> , 72, 195-203	1.8	9
4	Analysis for the stability of platinum-containing species in soil samples using capillary electrophoresis interfaced on-line with inductively coupled plasma mass spectrometry. <i>Electrophoresis</i> , <b>1997</b> , 18, 196-201	3.6	50
3	Hyphenation of capillary electrophoresis to inductively coupled plasma mass spectrometry as an element-specific detection method for metal speciation. <i>Journal of Chromatography A</i> , <b>1996</b> , 750, 51-62	4.5	60
2	Capillary electrophoretic methods for a clear identification of selenoamino acids in complex matrices such as human milk. <i>Journal of Chromatography A</i> , <b>1995</b> , 716, 323-9	4.5	15
1	Elemental Speciation in Human Milk and Substitute Food for Newborns	535-566	1