

# Anetta HanÄ

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

954  
citations

361413

20  
h-index

501196

28  
g-index

52  
all docs

52  
docs citations

52  
times ranked

951  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cadmium toxicity in <i>Salvia sclarea</i> L.: An integrative response of element uptake, oxidative stress markers, leaf structure and photosynthesis. <i>Ecotoxicology and Environmental Safety</i> , 2021, 209, 111851.	6.0	76
2	Effects of binary metal combinations on zinc, copper, cadmium and lead uptake and distribution in <i>Brassica juncea</i> . <i>Journal of Trace Elements in Medicine and Biology</i> , 2017, 44, 32-39.	3.0	50
3	Arsenic speciation in mushrooms using dimensional chromatography coupled to ICP-MS detector. <i>Chemosphere</i> , 2019, 233, 223-233.	8.2	46
4	Leaching of arsenic and sixteen metallic elements from <i>Amanita fulva</i> mushrooms after food processing. <i>LWT - Food Science and Technology</i> , 2017, 84, 861-866.	5.2	44
5	Toxic elements and bio-metals in <i>Cantharellus</i> mushrooms from Poland and China. <i>Environmental Science and Pollution Research</i> , 2017, 24, 11472-11482.	5.3	43
6	Combined use of companion planting and PGPR for the assisted phytoextraction of trace metals (Zn, Tj ETQq0 0 0,rgBT /Overlock 10 TF	5.8	42
7	Spatial Heterogeneity of Cadmium Effects on <i>Salvia sclarea</i> Leaves Revealed by Chlorophyll Fluorescence Imaging Analysis and Laser Ablation Inductively Coupled Plasma Mass Spectrometry. <i>Materials</i> , 2019, 12, 2953.	2.9	38
8	Quantitative analysis of elements migration in human teeth with and without filling using LA-ICP-MS. <i>Microchemical Journal</i> , 2013, 110, 61-69.	4.5	34
9	Application of spectroscopic techniques: ICP-OES, LA-ICP-MS and chemometric methods for studying the relationships between trace elements in clinical samples from patients with atherosclerosis obliterans. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 3221-3231.	3.7	33
10	Metallic elements and metalloids in <i>Boletus luridus</i> , <i>B. magnificus</i> and <i>B. tomentipes</i> mushrooms from polymetallic soils from SW China. <i>Ecotoxicology and Environmental Safety</i> , 2017, 142, 497-502.	6.0	31
11	Rapid Hormetic Responses of Photosystem II Photochemistry of Clary Sage to Cadmium Exposure. <i>International Journal of Molecular Sciences</i> , 2021, 22, 41.	4.1	31
12	Insight into the Phytoremediation Capability of <i>Brassica juncea</i> (v. Malopolska): Metal Accumulation and Antioxidant Enzyme Activity. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4355.	4.1	29
13	Excess Zinc Supply Reduces Cadmium Uptake and Mitigates Cadmium Toxicity Effects on Chloroplast Structure, Oxidative Stress, and Photosystem II Photochemical Efficiency in <i>Salvia sclarea</i> Plants. <i>Toxics</i> , 2022, 10, 36.	3.7	29
14	Direct analysis of elemental biodistribution in pea seedlings by LA-ICP-MS, EDX and confocal microscopy: Imaging and quantification. <i>Microchemical Journal</i> , 2016, 128, 305-311.	4.5	28
15	Tolerance Mechanisms of the Aromatic and Medicinal Plant <i>Salvia sclarea</i> L. to Excess Zinc. <i>Plants</i> , 2021, 10, 194.	3.5	26
16	Pickling of chanterelle <i>Cantharellus cibarius</i> mushrooms highly reduce cadmium contamination. <i>Environmental Science and Pollution Research</i> , 2017, 24, 21733-21738.	5.3	25
17	Multielemental analysis of 18 essential and toxic elements in amniotic fluid samples by ICP-MS: Full procedure validation and estimation of measurement uncertainty. <i>Talanta</i> , 2017, 174, 122-130.	5.5	23
18	Metallic and metalloid elements in various developmental stages of <i>Amanita muscaria</i> (L.) Lam. <i>Fungal Biology</i> , 2020, 124, 174-182.	2.5	23

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19	An analysis of long-distance root to leaf transport of lead in <i>Pisum sativum</i> plants by laser ablation-ICP-MS. International Journal of Environmental Analytical Chemistry, 2009, 89, 651-659.	3.3	22
20	Laser ablation inductively coupled plasma mass spectrometry in quantitative analysis and imaging of plant's thin sections. International Journal of Mass Spectrometry, 2014, 363, 16-22.	1.5	21
21	Mineral constituents of conserved white button mushrooms: similarities and differences. Roczniki Panstwowego Zakladu Higieny, 2019, 70, 15-25.	0.7	21
22	Metrological approach to quantitative analysis of clinical samples by LA-ICP-MS: A critical review of recent studies. Talanta, 2018, 182, 92-110.	5.5	20
23	Barium Determination in Gastric Contents, Blood and Urine by Inductively Coupled Plasma Mass Spectrometry in the Case of Oral Barium Chloride Poisoning. Journal of Analytical Toxicology, 2014, 38, 380-382.	2.8	19
24	LC/ICP-MS AND COMPLEMENTARY TECHNIQUES IN BESPOKE AND NONTARGETED SPECIATION ANALYSIS OF ELEMENTS IN FOOD SAMPLES. Mass Spectrometry Reviews, 2022, 41, 32-50.	5.4	17
25	Contents and Health Risk Assessment of Elements in Three Edible Ectomycorrhizal Fungi (Boletaceae) from Polymetallic Soils in Yunnan Province, SW China. Biological Trace Element Research, 2020, 195, 250-259.	3.5	16
26	New procedure of quantitative mapping of Ti and Al released from dental implant and Mg, Ca, Fe, Zn, Cu, Mn as physiological elements in oral mucosa by LA-ICP-MS. Talanta, 2017, 175, 370-381.	5.5	15
27	Laser ablation-ICP-MS in search of element pattern in feathers. Microchemical Journal, 2017, 134, 1-8.	4.5	11
28	Bioimaging of macro- and microelements in blood vessels with calcified plaque in atherosclerosis obliterans by LA-ICP-MS. Microchemical Journal, 2019, 150, 104090.	4.5	11
29	Occurrence, distribution and estimated intake of mercury and selenium from sclerotia of the medicinal fungus <i>Wolfiporia cocos</i> from China. Chemosphere, 2020, 247, 125928.	8.2	11
30	Simultaneous determination of Cd, Cr, Cu, Ni, Pb and Zn in sewage sludge by slurry introduction ICP-OES method. International Journal of Environmental Analytical Chemistry, 2010, 90, 1025-1035.	3.3	10
31	Usefulness of laser ablation ICP-MS for analysis of metallic particles released to oral mucosa after insertion of dental implants. Journal of Trace Elements in Medicine and Biology, 2018, 46, 46-54.	3.0	10
32	Activation of antioxidative and detoxificative systems in <i>Brassica juncea</i> L. plants against the toxicity of heavy metals. Scientific Reports, 2021, 11, 22345.	3.3	10
33	Lithiation of white button mushrooms ( <i>Agaricus bisporus</i> ) using lithium-fortified substrate: effect of fortification levels on Li uptake and on other trace elements. Environmental Science and Pollution Research, 2021, 28, 48905-48920.	5.3	9
34	The use of Li <sub>2</sub> O fortified growing compost to enhance lithiation in white <i>Agaricus bisporus</i> mushrooms: Li uptake and co-accumulation of other trace elements. European Food Research and Technology, 2021, 247, 2239-2252.	3.3	9
35	Study on quantitative analysis of Ti, Al and V in clinical soft tissues after placing the dental implants by laser ablation inductively coupled plasma mass spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2016, 125, 1-10.	2.9	8
36	Metals and Metalloids Release from Orthodontic Elastomeric and Stainless Steel Ligatures: In Vitro Risk Assessment of Human Exposure. Biological Trace Element Research, 2020, 196, 646-653.	3.5	8

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37	The potential of trace elements mapping in child's natal tooth by laser ablation-ICPMS method. <i>Journal of Environmental Health Science &amp; Engineering</i> , 2021, 19, 379-388.	3.0	7
38	Enhancing the lithium content of white button mushrooms <i>Agaricus bisporus</i> using LiNO <sub>3</sub> fortified compost: effects on the uptake of Li and other trace elements. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2021, 38, 1193-1205.	2.3	7
39	Occurrence, distribution, and associations of essential and non-essential elements in the medicinal and edible fungus "Fuling" from southern China. <i>Science of the Total Environment</i> , 2022, 831, 155011.	8.0	7
40	Mercury and selenium in developing and mature fruiting bodies of <i>Amanita muscaria</i> . <i>Environmental Science and Pollution Research</i> , 2021, 28, 60145-60153.	5.3	6
41	Test of the relationships between the content of heavy metals in sewage sludge and source of their pollution by chemometric methods. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2009, 44, 1441-1448.	1.7	4
42	Nickel and chromium concentrations in Italian ryegrass exposed to ambient air in urban, suburban and rural areas. <i>Atmospheric Pollution Research</i> , 2015, 6, 1123-1131.	3.8	3
43	Lithiation of <i>Agaricus bisporus</i> mushrooms using compost fortified with LiOH: Effect of fortification levels on Li uptake and co-accumulation of other trace elements. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2021, 56, 761-770.	1.5	3
44	The contribution of orthodontic braces to aluminum exposure in humans: an experimental in vitro study. <i>Environmental Science and Pollution Research</i> , 2020, 27, 4541-4545.	5.3	2
45	Accumulation of Airborne Toxic Elements and Photosynthetic Performance of <i>Lolium multiflorum</i> L. Leaves. <i>Processes</i> , 2020, 8, 1013.	2.8	2
46	Chemometric approach to evaluate element distribution in muscle, liver and fish bone of roach ( <i>Rutilus rutilus</i> ), silver bream ( <i>Blicca bjoerkna</i> ) and crucian carp ( <i>Carassius carassius</i> ) from Swarzędzkie Lake (Poland) using ICP-MS and FIAS-CVAAS techniques. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2016, 51, 790-800.	1.5	1
47	Influence of Heavy Metal Ions on the Nutrition Composition, Phytochelatin Biosynthesis and Growth of <i>Pisum sativum</i> . <i>Progress in Environmental Science, Technology and Management</i> , 2012, , .	0.1	0
48	Canonical Variate Analysis of Chlorophyll Content in Plants Exposed to Different Lead Concentrations in Ambient Air Conditions/ Analiza Zmiennych Kanonicznych ZawatoÅci Chlorofilu W RoÅlinach Ekspozowanych Na RÅÅne StÅenia OÅowiu W Powietrzu Atmosferycznym. <i>Civil and Environmental Engineering Reports</i> , 2014, 14, 15-26.	0.3	0
49	Bioimaging of Elements in Clinical Tissues: Oral Mucosa, Arterial Walls, and Teeth, by LA-ICPMS. , 2022, , 1-18.		0
50	Bioimaging of Elements in Clinical Tissues: Oral Mucosa, Arterial Walls, and Teeth, by LA-ICPMS. , 2022, , 443-460.		0