Arturs Viksna

List of Publications by Year in Descending Order

46 papers	467 citations	13 h-index	20 g-index
48 ext. papers	554 ext. citations	3.6 avg, IF	3.52 L-index

#	Paper	IF	Citations
46	Caesium-133 Accumulation by Freshwater Macrophytes: Partitioning of Translocated Ions and Enzyme Activity in Plants and Microorganisms. *Sustainability*, **2022**, 14, 1132	3.6	
45	Enhanced Electrochemical Properties of Na0.67MnO2 Cathode for Na-Ion Batteries Prepared with Novel Tetrabutylammonium Alginate Binder. *Batteries*, **2022**, 8, 6	5.7	0
44	Determination of Sucrose Additives and Geographical Origin Markers in Honey Using Isotope Ratio Mass Spectrometry and Ultra High Performance Liquid Chromatography Evoparative Light Scattering Detection. *Proceedings of the Latvian Academy of Sciences*, **2022**, 76, 152-156	0.3	
43	The Electrochemical Characterization of Nanostructured Bi2Se3 Thin Films in an Aqueous Na Electrolyte. *Batteries*, **2022**, 8, 25	5.7	0
42	EIS characterization of aging and humidity-related behavior of Bi2Se3 films of different morphologies. *Nano Structures Nano Objects*, **2022**, 30, 100847	5.6	1
41	Identification and Evaluation of Hazardous Pyrolysates in Bio-Based Rigid Polyurethane-Polyisocyanurate Foam Smoke. *Polymers*, **2021**, 13,	4.5	1
40	Study of Rhizobia Impact on Nutritional Element Concentration in Legumes. *Proceedings of the Latvian Academy of Sciences*, **2021**, 75, 457-462	0.3	0
39	Determination of Floral Origin Markers of Latvian Honey by Using IRMS, UHPLC-HRMS, and H-NMR.. *Foods*, **2021**, 11,	4.9	2
38	Variations in the concentrations of macro- and trace elements in two grasses and in the rhizosphere soil during a day. *Environmental Pollution*, **2020**, 262, 114265	9.3	3
37	Photoelectrochemical Bisphenol S Sensor Based on ZnO-Nanoroads Modified by Molecularly Imprinted Polypyrrole. *Macromolecular Chemistry and Physics*, **2020**, 221, 1900232	2.6	35
36	Temporal changes in macro- and trace element concentrations in the rhizosphere soil of two plant species. *Arabian Journal of Geosciences*, **2020**, 13, 1	1.8	2
35	Geochemical (soil) and phylogenetic (plant taxa) factors affecting accumulation of macro- and trace elements in three natural plant species. *Environmental Geochemistry and Health*, **2020**, 42, 209-219	4.7	10
34	Structural analysis of Borrelia burgdorferi periplasmic lipoprotein BB0365 involved in Lyme disease infection. *FEBS Letters*, **2020**, 594, 317-326	3.8	3
33	Gone to smelt iron in Courland: technology transfer in the development of an early modern industry. *Post-Medieval Archaeology*, **2019**, 53, 102-124	0.1	1
32	Carbon and nitrogen stable isotope ratios of soils and grasses as indicators of soil characteristics and biological taxa. *Applied Geochemistry*, **2019**, 104, 19-24	3.5	3
31	On the way to zero waste management: Recovery potential of elements, including rare earth elements, from fine fraction of waste. *Journal of Cleaner Production*, **2018**, 186, 81-90	10.3	53
30	Development and optimization of gas chromatography coupled to high resolution mass spectrometry based method for the sensitive determination of Dechlorane plus and related norbornene-based flame retardants in food of animal origin. *Chemosphere*, **2018**, 191, 597-606	8.4	4

29	Hydrothermal Processing for Increasing the Hydroxyl Ion Concentration in Hydroxyl Depleted Hydroxyapatite. *Key Engineering Materials*, **2018**, 762, 42-47	0.4	1
28	Assimilation of Selenium, Copper, and Zinc in Rye Malt. *Proceedings of the Latvian Academy of Sciences*, **2018**, 72, 65-70	0.3	
27	Comparison of photodiode array, evaporative light scattering, and single-quadrupole mass spectrometric detection methods for the UPLC analysis of pyrolysis liquids. *Journal of Liquid Chromatography and Related Technologies*, **2017**, 40, 369-375	1.3	1
26	Cribra orbitalia as a potential indicator of childhood stress: Evidence from paleopathology, stable C, N, and O isotopes, and trace element concentrations in children from a 17-18 century cemetery in Jēkabpils, Latvia. *Journal of Trace Elements in Medicine and Biology*, **2016**, 38, 131-137	4.1	11
25	Efficacy of Ozonation Treatments of Smoked Fish for Reducing Its Benzo[a]pyrene Concentration and Toxicity. *Journal of Food Protection*, **2016**, 79, 2167-2173	2.5	3
24	The application of headspace gas chromatography coupled to tandem quadrupole mass spectrometry for the analysis of furan in baby food samples. *Food Chemistry*, **2016**, 212, 20-6	8.5	9
23	Application of the Solvatic Model for Prediction of Retention in RP-LC for Multi-Step Gradient Profiles. *Chromatographia*, **2015**, 78, 899-908	2.1	2
22	Application of Electrochemical Impedance for Characterising Arrays of Bi2S3 Nanowires. *Electrochimica Acta*, **2015**, 170, 33-38	6.7	5
21	Biomass sorbents for metalloid removal. *Adsorption*, **2014**, 20, 275-286	2.6	5
20	Application of LA-ICP-MS as a rapid tool for analysis of elemental impurities in active pharmaceutical ingredients. *Journal of Pharmaceutical and Biomedical Analysis*, **2014**, 91, 119-22	3.5	14
19	Characterization of Softwood and Hardwood LignoBoost Kraft Lignins with Emphasis on their Antioxidant Activity. *BioResources*, **2014**, 9,	1.3	45
18	Gold nanowire synthesis by semi-immersed nanoporous anodic aluminium oxide templates in potassium dicyanoaurate-hexacyanoferrate electrolyte. *Micro and Nano Letters*, **2014**, 9, 761-765	0.9	5
17	Synthesis of 1,2,3-triazole-linked galactohybrids and their inhibitory activities on galectins. *Arkivoc*, **2014**, 2014, 90-112	0.9	15
16	Arsenic removal using natural biomaterial-based sorbents. *Environmental Geochemistry and Health*, **2013**, 35, 633-42	4.7	26
15	Research review trends of food analysis in Latvia: major and trace element content. *Environmental Geochemistry and Health*, **2013**, 35, 693-703	4.7	10
14	Exploring Zinc Apatites through Different Synthesis Routes. *Key Engineering Materials*, **2013**, 587, 171-176	0.4	2
13	Trace and Major Elements in Food Articles in Latvia: Root Vegetables. *Environmental and Climate Technologies*, **2011**, 7, 119-124		2
12	Air Quality in Riga and Its Improvement Options. *Environmental and Climate Technologies*, **2011**, 7, 72-78		1

11	Electrochemical Characteristics of Particulate Matter. *Environmental and Climate Technologies*, **2011**, 7, 19-26		2
10	Crystal structure of human gamma-butyrobetaine hydroxylase. *Biochemical and Biophysical Research Communications*, **2010**, 398, 634-9	3.4	28
9	Application of hydrophilic interaction chromatography for simultaneous separation of six impurities of mildronate substance. *Journal of Pharmaceutical and Biomedical Analysis*, **2008**, 48, 649-56	3.5	32
8	Multi-elemental EDXRF mapping of polluted soil from former horticultural land. *Environment International*, **2005**, 31, 43-52	12.9	33
7	EDXRF and TXRF analysis of elemental size distributions and environmental mobility of airborne particles in the city of Riga, Latvia. *X-Ray Spectrometry*, **2004**, 33, 414-420	0.9	14
6	EDXRF and TXRF analysis of aerosol particles and the mobile fraction of soil in Botswana. *X-Ray Spectrometry*, **2001**, 30, 301-307	0.9	14
5	Fine-root growth, mortality and heavy metal concentrations in limed and fertilized Pinus silvestris (L.) stands in the vicinity of a Cu-Ni smelter in SW Finland. *Plant and Soil*, **1999**, 209, 193-200	4.2	28
4	Concentrations of some elements in and on Scots pine needles. *X-Ray Spectrometry*, **1999**, 28, 275-281	0.9	12
3	Multi-element analysis of fine roots of Scots pine by total reflection x-ray fluorescence spectrometry. *X-Ray Spectrometry*, **1999**, 28, 335-338	0.9	13
2	Determination of lead and cadmium in whole blood of mothers and their babies. *Analytica Chimica Acta*, **1997**, 353, 307-311	6.6	16
1	Extraction possibilities of lipid fraction and authentication assessment of chaga (Inonotus obliquus). *Biomass Conversion and Biorefinery*,1	2.3	0