

Arturs Viksna

List of Publications by Citations

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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.

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	On the way to zero waste management: Recovery potential of elements, including rare earth elements, from fine fraction of waste. <i>Journal of Cleaner Production</i> , 2018 , 186, 81-90	10.3	53
45	Characterization of Softwood and Hardwood LignoBoost Kraft Lignins with Emphasis on their Antioxidant Activity. <i>BioResources</i> , 2014 , 9,	1.3	45
44	Photoelectrochemical Bisphenol S Sensor Based on ZnO-Nanorods Modified by Molecularly Imprinted Polypyrrole. <i>Macromolecular Chemistry and Physics</i> , 2020 , 221, 1900232	2.6	35
43	Multi-elemental EDXRF mapping of polluted soil from former horticultural land. <i>Environment International</i> , 2005 , 31, 43-52	12.9	33
42	Application of hydrophilic interaction chromatography for simultaneous separation of six impurities of mildronate substance. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008 , 48, 649-56	3.5	32
41	Crystal structure of human gamma-butyrobetaine hydroxylase. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 398, 634-9	3.4	28
40	Fine-root growth, mortality and heavy metal concentrations in limed and fertilized <i>Pinus silvestris</i> (L.) stands in the vicinity of a Cu-Ni smelter in SW Finland. <i>Plant and Soil</i> , 1999 , 209, 193-200	4.2	28
39	Arsenic removal using natural biomaterial-based sorbents. <i>Environmental Geochemistry and Health</i> , 2013 , 35, 633-42	4.7	26
38	Determination of lead and cadmium in whole blood of mothers and their babies. <i>Analytica Chimica Acta</i> , 1997 , 353, 307-311	6.6	16
37	Synthesis of 1,2,3-triazole-linked galactohybrids and their inhibitory activities on galectins. <i>Arkivoc</i> , 2014 , 2014, 90-112	0.9	15
36	Application of LA-ICP-MS as a rapid tool for analysis of elemental impurities in active pharmaceutical ingredients. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014 , 91, 119-22	3.5	14
35	EDXRF and TXRF analysis of elemental size distributions and environmental mobility of airborne particles in the city of Riga, Latvia. <i>X-Ray Spectrometry</i> , 2004 , 33, 414-420	0.9	14
34	EDXRF and TXRF analysis of aerosol particles and the mobile fraction of soil in Botswana. <i>X-Ray Spectrometry</i> , 2001 , 30, 301-307	0.9	14
33	Multi-element analysis of fine roots of Scots pine by total reflection x-ray fluorescence spectrometry. <i>X-Ray Spectrometry</i> , 1999 , 28, 335-338	0.9	13
32	Concentrations of some elements in and on Scots pine needles. <i>X-Ray Spectrometry</i> , 1999 , 28, 275-281	0.9	12
31	<i>Cribrorbitalia</i> 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 Jūrbpils, Latvia. <i>Journal of Trace Elements in Medicine and Biology</i> , 2016 , 38, 131-137	4.1	11
30	Research review trends of food analysis in Latvia: major and trace element content. <i>Environmental Geochemistry and Health</i> , 2013 , 35, 693-703	4.7	10

29	Geochemical (soil) and phylogenetic (plant taxa) factors affecting accumulation of macro- and trace elements in three natural plant species. <i>Environmental Geochemistry and Health</i> , 2020 , 42, 209-219	4.7	10
28	The application of headspace gas chromatography coupled to tandem quadrupole mass spectrometry for the analysis of furan in baby food samples. <i>Food Chemistry</i> , 2016 , 212, 20-6	8.5	9
27	Application of Electrochemical Impedance for Characterising Arrays of Bi ₂ S ₃ Nanowires. <i>Electrochimica Acta</i> , 2015 , 170, 33-38	6.7	5
26	Biomass sorbents for metalloid removal. <i>Adsorption</i> , 2014 , 20, 275-286	2.6	5
25	Gold nanowire synthesis by semi-immersed nanoporous anodic aluminium oxide templates in potassium dicyanoaurate-hexacyanoferrate electrolyte. <i>Micro and Nano Letters</i> , 2014 , 9, 761-765	0.9	5
24	Development and optimization of gas chromatography coupled to high resolution mass spectrometry based method for the sensitive determination of Dieldrin plus and related norbornene-based flame retardants in food of animal origin. <i>Chemosphere</i> , 2018 , 191, 597-606	8.4	4
23	Carbon and nitrogen stable isotope ratios of soils and grasses as indicators of soil characteristics and biological taxa. <i>Applied Geochemistry</i> , 2019 , 104, 19-24	3.5	3
22	Variations in the concentrations of macro- and trace elements in two grasses and in the rhizosphere soil during a day. <i>Environmental Pollution</i> , 2020 , 262, 114265	9.3	3
21	Efficacy of Ozonation Treatments of Smoked Fish for Reducing Its Benzo[a]pyrene Concentration and Toxicity. <i>Journal of Food Protection</i> , 2016 , 79, 2167-2173	2.5	3
20	Structural analysis of <i>Borrelia burgdorferi</i> periplasmic lipoprotein BB0365 involved in Lyme disease infection. <i>FEBS Letters</i> , 2020 , 594, 317-326	3.8	3
19	Application of the Solvatic Model for Prediction of Retention in RP-LC for Multi-Step Gradient Profiles. <i>Chromatographia</i> , 2015 , 78, 899-908	2.1	2
18	Exploring Zinc Apatites through Different Synthesis Routes. <i>Key Engineering Materials</i> , 2013 , 587, 171-1764		2
17	Trace and Major Elements in Food Articles in Latvia: Root Vegetables. <i>Environmental and Climate Technologies</i> , 2011 , 7, 119-124		2
16	Electrochemical Characteristics of Particulate Matter. <i>Environmental and Climate Technologies</i> , 2011 , 7, 19-26		2
15	Temporal changes in macro- and trace element concentrations in the rhizosphere soil of two plant species. <i>Arabian Journal of Geosciences</i> , 2020 , 13, 1	1.8	2
14	Determination of Floral Origin Markers of Latvian Honey by Using IRMS, UHPLC-HRMS, and H-NMR.. <i>Foods</i> , 2021 , 11,	4.9	2
13	Comparison of photodiode array, evaporative light scattering, and single-quadrupole mass spectrometric detection methods for the UPLC analysis of pyrolysis liquids. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2017 , 40, 369-375	1.3	1
12	Gone to smelt iron in Courland: technology transfer in the development of an early modern industry. <i>Post-Medieval Archaeology</i> , 2019 , 53, 102-124	0.1	1

11	Hydrothermal Processing for Increasing the Hydroxyl Ion Concentration in Hydroxyl Depleted Hydroxyapatite. <i>Key Engineering Materials</i> , 2018 , 762, 42-47	0.4	1
10	Air Quality in Riga and Its Improvement Options. <i>Environmental and Climate Technologies</i> , 2011 , 7, 72-78		1
9	Identification and Evaluation of Hazardous Pyrolysates in Bio-Based Rigid Polyurethane-Polyisocyanurate Foam Smoke. <i>Polymers</i> , 2021 , 13,	4.5	1
8	EIS characterization of aging and humidity-related behavior of Bi ₂ Se ₃ films of different morphologies. <i>Nano Structures Nano Objects</i> , 2022 , 30, 100847	5.6	1
7	Extraction possibilities of lipid fraction and authentication assessment of chaga (<i>Inonotus obliquus</i>). <i>Biomass Conversion and Biorefinery</i> , 1	2.3	0
6	Enhanced Electrochemical Properties of Na _{0.67} MnO ₂ Cathode for Na-Ion Batteries Prepared with Novel Tetrabutylammonium Alginate Binder. <i>Batteries</i> , 2022 , 8, 6	5.7	0
5	The Electrochemical Characterization of Nanostructured Bi ₂ Se ₃ Thin Films in an Aqueous Na Electrolyte. <i>Batteries</i> , 2022 , 8, 25	5.7	0
4	Study of Rhizobia Impact on Nutritional Element Concentration in Legumes. <i>Proceedings of the Latvian Academy of Sciences</i> , 2021 , 75, 457-462	0.3	0
3	Caesium-133 Accumulation by Freshwater Macrophytes: Partitioning of Translocated Ions and Enzyme Activity in Plants and Microorganisms. <i>Sustainability</i> , 2022 , 14, 1132	3.6	
2	Assimilation of Selenium, Copper, and Zinc in Rye Malt. <i>Proceedings of the Latvian Academy of Sciences</i> , 2018 , 72, 65-70	0.3	
1	Determination of Sucrose Additives and Geographical Origin Markers in Honey Using Isotope Ratio Mass Spectrometry and Ultra High Performance Liquid Chromatography Evaporative Light Scattering Detection. <i>Proceedings of the Latvian Academy of Sciences</i> , 2022 , 76, 152-156	0.3	