

# Viktor Kanicky

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

463  
citations

687363

13  
h-index

794594

19  
g-index

39  
all docs

39  
docs citations

39  
times ranked

677  
citing authors

#	ARTICLE	IF	CITATIONS
1	llaps – python software for data reduction and imaging with LA-ICP-MS. Journal of Analytical Atomic Spectrometry, 2022, 37, 733-740.	3.0	8
2	Influence of sample surface topography on laser ablation process. Talanta, 2021, 222, 121512.	5.5	8
3	Comparison of Metal Nanoparticles (Au, Ag, Eu, Cd) Used for Immunoanalysis Using LA-ICP-MS Detection. Molecules, 2021, 26, 630.	3.8	6
4	Dual imaging of uranium ore by Laser Ablation Inductively Coupled Plasma Mass Spectrometry and Laser Induced Breakdown Spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2021, 186, 106312.	2.9	9
5	Ferrocenes as new anticancer drug candidates: Determination of the mechanism of action. European Journal of Pharmacology, 2020, 867, 172825.	3.5	27
6	The effect of nanoparticle presence on aerosol formation during nanoparticle-enhanced laser ablation inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 2020, 35, 2893-2900.	3.0	7
7	A Clearance Period after Soluble Lead Nanoparticle Inhalation Did Not Ameliorate the Negative Effects on Target Tissues Due to Decreased Immune Response. International Journal of Molecular Sciences, 2020, 21, 8738.	4.1	8
8	Hybrid mesoporous aluminosilicate catalysts obtained by non-hydrolytic sol-gel for ethanol dehydration. Journal of Materials Chemistry A, 2020, 8, 23526-23542.	10.3	12
9	Variability in the Clearance of Lead Oxide Nanoparticles Is Associated with Alteration of Specific Membrane Transporters. ACS Nano, 2020, 14, 3096-3120.	14.6	13
10	Enhanced Intracellular Accumulation and Cytotoxicity of Ferrocene-Ruthenium Arene Conjugates. ChemPlusChem, 2020, 85, 1034-1043.	2.8	3
11	Gold nanoparticles as labels for immunochemical analysis using laser ablation inductively coupled plasma mass spectrometry. Analytical and Bioanalytical Chemistry, 2019, 411, 559-564.	3.7	15
12	Comparison of different spectral resolution ICP-OES spectrometers for the determination of rare earth elements. Chemical Papers, 2019, 73, 2913-2921.	2.2	9
13	CdS quantum dots-based immunoassay combined with particle imprinted polymer technology and laser ablation ICP-MS as a versatile tool for protein detection. Scientific Reports, 2019, 9, 11840.	3.3	17
14	Molecularly imprinted polymers coupled to mass spectrometric detection for metallothionein sensing. Talanta, 2019, 198, 224-229.	5.5	17
15	LA-ICP-MS analysis of metal layers on samples of cultural heritage. Chemical Papers, 2019, 73, 2923-2936.	2.2	2
16	Thin-layer chromatography combined with diode laser thermal vaporization inductively coupled plasma mass spectrometry for the determination of selenomethionine and selenocysteine in algae and yeast. Journal of Chromatography A, 2018, 1533, 199-207.	3.7	12
17	Anti-cancer effects of wedelolactone: interactions with copper and subcellular localization. Metallomics, 2018, 10, 1524-1531.	2.4	5
18	The influence of material properties on highly time resolved particle formation for nanosecond laser ablation. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2018, 148, 193-204.	2.9	10

#	ARTICLE	IF	CITATIONS
19	Feasibility of Nanoparticle-Enhanced Laser Ablation Inductively Coupled Plasma Mass Spectrometry. <i>Analytical Chemistry</i> , 2018, 90, 11820-11826.	6.5	16
20	Spatial mapping of metals in tissue-sections using combination of mass-spectrometry and histology through image registration. <i>Scientific Reports</i> , 2017, 7, 40169.	3.3	25
21	LC coupled to ESI, MALDI and ICP MS – A multiple hyphenation for metalloproteomic studies. <i>Analytica Chimica Acta</i> , 2017, 968, 58-65.	5.4	12
22	Lithium and trace-element concentrations in trioctahedral micas from granites of different geochemical types measured via laser ablation ICP-MS. <i>Mineralogical Magazine</i> , 2017, 81, 15-33.	1.4	33
23	Wedelolactone Acts as Proteasome Inhibitor in Breast Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2017, 18, 729.	4.1	25
24	Analysis of Means (ANOM) as a Tool for Comparison of Sample Treatment Methods: Testing Various Mineralization Procedures for Selenium Determination in Biological Materials. <i>Journal of AOAC INTERNATIONAL</i> , 2017, 100, 236-240.	1.5	1
25	Online monitoring of nanoparticles formed during nanosecond laser ablation. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2016, 125, 52-60.	2.9	10
26	Effects of easily ionisable elements on copper and zinc lines excited in a plasma pencil. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 2031-2036.	3.0	5
27	Direct Analysis of Gold Nanoparticles from Dried Droplets Using Substrate-Assisted Laser Desorption Single Particle-ICPMS. <i>Analytical Chemistry</i> , 2016, 88, 2576-2582.	6.5	25
28	The Content of the 14 Metals in Cancellous and Cortical Bone of the Hip Joint Affected by Osteoarthritis. <i>BioMed Research International</i> , 2015, 2015, 1-23.	1.9	26
29	Laser microsampling and multivariate methods in provenance studies of obsidian artefacts. <i>Chemical Papers</i> , 2015, 69, .	2.2	1
30	Comparison of the Level of Boron Concentrations in Black Teas with Fruit Teas Available on the Polish Market. <i>Scientific World Journal, The</i> , 2014, 2014, 1-8.	2.1	4
31	Thin-layer chromatography combined with diode laser thermal vaporization inductively coupled plasma mass spectrometry. <i>Journal of Chromatography A</i> , 2014, 1364, 271-275.	3.7	9
32	Comparison of inductively coupled plasma optical emission spectrometry, energy dispersive X-ray fluorescence spectrometry and laser ablation inductively coupled plasma mass spectrometry in the elemental analysis of agricultural soils. <i>Journal of Analytical Atomic Spectrometry</i> , 2013, 28, 1940.	3.0	10
33	Plasma pencil as an excitation source for atomic emission spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 305-309.	3.0	18
34	Laser-Induced Breakdown Spectroscopy of Molten Metals: Influence of Sample Temperature. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2011, 66, 643-648.	1.5	4
35	Investigation of multi-layered silicate ceramics using laser ablation optical emission spectrometry, laser ablation inductively coupled plasma mass spectrometry, and electron microprobe analysis. <i>Chemical Papers</i> , 2011, 65, .	2.2	8
36	Substrate-assisted laser desorption inductively-coupled plasma mass spectrometry for determination of copper in myeloid leukemia cells. <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 662.	3.0	12

#	ARTICLE	IF	CITATIONS
37	Study of aerosols generated by 213 nm laser ablation of cobalt-cemented hard metals. Journal of Analytical Atomic Spectrometry, 2008, 23, 1341.	3.0	17
38	Examination of sol-gel technique applicability for preparation of pellets for soil analysis by laser ablation inductively coupled plasma optical emission spectrometry. Journal of Analytical Atomic Spectrometry, 2007, 22, 1238.	3.0	14