Viktor Kanicky

List of Publications by Year
in descending order

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38	463	687363 13	794594 19
papers	citations	h-index	g-index

39	39	39	677
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Lithium and trace-element concentrations in trioctahedral micas from granites of different geochemical types measured via laser ablation ICP-MS. Mineralogical Magazine, 2017, 81, 15-33.	1.4	33
2	Ferrocenes as new anticancer drug candidates: Determination of the mechanism of action. European Journal of Pharmacology, 2020, 867, 172825.	3.5	27
3	The Content of the 14 Metals in Cancellous and Cortical Bone of the Hip Joint Affected by Osteoarthritis. BioMed Research International, 2015, 2015, 1-23.	1.9	26
4	Direct Analysis of Gold Nanoparticles from Dried Droplets Using Substrate-Assisted Laser Desorption Single Particle-ICPMS. Analytical Chemistry, 2016, 88, 2576-2582.	6.5	25
5	Spatial mapping of metals in tissue-sections using combination of mass-spectrometry and histology through image registration. Scientific Reports, 2017, 7, 40169.	3.3	25
6	Wedelolactone Acts as Proteasome Inhibitor in Breast Cancer Cells. International Journal of Molecular Sciences, 2017, 18, 729.	4.1	25
7	Plasma pencil as an excitation source for atomic emission spectrometry. Journal of Analytical Atomic Spectrometry, 2012, 27, 305-309.	3.0	18
8	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
9	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
10	Molecularly imprinted polymers coupled to mass spectrometric detection for metallothionein sensing. Talanta, 2019, 198, 224-229.	5.5	17
11	Feasibility of Nanoparticle-Enhanced Laser Ablation Inductively Coupled Plasma Mass Spectrometry. Analytical Chemistry, 2018, 90, 11820-11826.	6.5	16
12	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
13	Examination of solâ€“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
14	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
15	Substrate-assisted laser desorption inductively-coupled plasma mass spectrometry for determination of copper in myeloid leukemia cells. Journal of Analytical Atomic Spectrometry, 2010, 25, 662.	3.0	12
16	LC coupled to ESI, MALDI and ICP MS â€“ A multiple hyphenation for metalloproteomic studies. Analytica Chimica Acta, 2017, 968, 58-65.	5.4	12
17	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
18	Hybrid mesoporous aluminosilicate catalysts obtained by non-hydrolytic solâ€“gel for ethanol dehydration. Journal of Materials Chemistry A, 2020, 8, 23526-23542.	10.3	12

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19	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. Journal of Analytical Atomic Spectrometry, 2013, 28, 1940.	3.0	10
20	Online monitoring of nanoparticles formed during nanosecond laser ablation. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2016, 125, 52-60.	2.9	10
21	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
22	Thin-layer chromatography combined with diode laser thermal vaporization inductively coupled plasma mass spectrometry. Journal of Chromatography A, 2014, 1364, 271-275.	3.7	9
23	Comparison of different spectral resolution ICP-OES spectrometers for the determination of rare earth elements. Chemical Papers, 2019, 73, 2913-2921.	2.2	9
24	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
25	Investigation of multi-layered silicate ceramics using laser ablation optical emission spectrometry, laser ablation inductively coupled plasma mass spectrometry, and electron microprobe analysis. Chemical Papers, 2011, 65, .	2.2	8
26	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
27	Influence of sample surface topography on laser ablation process. Talanta, 2021, 222, 121512.	5.5	8
28	Ilaps â€“ python software for data reduction and imaging with LA-ICP-MS. Journal of Analytical Atomic Spectrometry, 2022, 37, 733-740.	3.0	8
29	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
30	Comparison of Metal Nanoparticles (Au, Ag, Eu, Cd) Used for Immunoanalysis Using LA-ICP-MS Detection. Molecules, 2021, 26, 630.	3.8	6
31	Effects of easily ionisable elements on copper and zinc lines excited in a plasma pencil. Journal of Analytical Atomic Spectrometry, 2016, 31, 2031-2036.	3.0	5
32	Anti-cancer effects of wedelolactone: interactions with copper and subcellular localization. Metallomics, 2018, 10, 1524-1531.	2.4	5
33	Laser-Induced Breakdown Spectroscopy of Molten Metals: Influence of Sample Temperature. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2011, 66, 643-648.	1.5	4
34	Comparison of the Level of Boron Concentrations in Black Teas with Fruit Teas Available on the Polish Market. Scientific World Journal, The, 2014, 2014, 1-8.	2.1	4
35	Enhanced Intracellular Accumulation and Cytotoxicity of Ferroceneâ€Ruthenium Arene Conjugates. ChemPlusChem, 2020, 85, 1034-1043.	2.8	3
36	LA-ICP-MS analysis of metal layers on samples of cultural heritage. Chemical Papers, 2019, 73, 2923-2936.	2.2	2

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37	Laser microsampling and multivariate methods in provenance studies of obsidian artefacts. Chemical Papers, 2015, 69, .	2.2	1
38	Analysis of Means (ANOM) as a Tool for Comparison of Sample Treatment Methods: Testing Various Mineralization Procedures for Selenium Determination in Biological Materials. Journal of AOAC INTERNATIONAL, 2017, 100, 236-240.	1.5	1