

Krzysztof Jankowski

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

730
citations

516710

16
h-index

610901

24
g-index

40
all docs

40
docs citations

40
times ranked

499
citing authors

#	ARTICLE	IF	CITATIONS
1	Multielement determination of heavy metals in water samples by continuous powder introduction microwave-induced plasma atomic emission spectrometry after preconcentration on activated carbon. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2005, 60, 369-375.	2.9	61
2	Sensitive determination of Hg together with Mn, Fe, Cu by combined photochemical vapor generation and pneumatic nebulization in the programmable temperature spray chamber and inductively coupled plasma optical emission spectrometry. <i>Talanta</i> , 2017, 167, 279-285.	5.5	50
3	Analytical monitoring of selenium nanoparticles green synthesis using photochemical vapor generation coupled with MIP-OES and UV-Vis spectrophotometry. <i>Microchemical Journal</i> , 2019, 145, 1169-1175.	4.5	43
4	Feasibility study of the determination of selenium, antimony and arsenic in drinking and mineral water by ICP-OES using a dual-flow ultrasonic nebulizer and direct hydride generation. <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 210-214.	3.0	37
5	Recent developments in instrumentation of microwave plasma sources for optical emission and mass spectrometry: Tutorial review. <i>Journal of Analytical Atomic Spectrometry</i> , 2013, 28, 1196.	3.0	37
6	Characteristics of nebulizers for microwave induced plasma atomic emission spectrometry. II. Ultrasonic nebulizers. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1997, 52, 1813-1823.	2.9	34
7	Determination of arsenic and selenium by hydride generation and headspace solid phase microextraction coupled with optical emission spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2011, 66, 517-521.	2.9	32
8	Vertically positioned axially viewed aerosol cooled plasma – a new design approach for microwave induced plasma optical spectrometry with solution nebulization. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1999, 54, 515-525.	2.9	29
9	Evaluation of analytical performance of low-power MIP-AES with direct solution nebulization for environmental analysis. <i>Journal of Analytical Atomic Spectrometry</i> , 1999, 14, 1419-1423.	3.0	28
10	Spectroscopic diagnostics for evaluation of the analytical potential of argon + helium microwave-induced plasma with solution nebulization. <i>Journal of Analytical Atomic Spectrometry</i> , 2007, 22, 1076.	3.0	26
11	Study of an effect of easily ionizable elements on the excitation of 35 elements in an Ar-MIP system coupled with solution nebulization. <i>Journal of Analytical Atomic Spectrometry</i> , 2000, 15, 269-274.	3.0	25
12	Determination of cobalt species in nutritional supplements using ICP-OES after microwave-assisted extraction and solid-phase extraction. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 155, 135-140.	2.8	24
13	Direct spectrometric determination of total fluorine in geological materials by continuous powder introduction into helium microwave induced plasma. <i>Journal of Analytical Atomic Spectrometry</i> , 2007, 22, 386.	3.0	21
14	Determination of selenium in dietary supplements by optical emission spectrometry after alkaline dissolution and subsequent headspace solid phase microextraction. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 74, 268-272.	2.8	20
15	A three phase rotating field microwave plasma design for a low-flow helium plasma generation. <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 44-47.	3.0	19
16	Preconcentration of selenium by living bacteria immobilized on silica for microwave induced plasma optical emission spectrometry with continuous powder introduction. <i>Analytical Methods</i> , 2011, 3, 659.	2.7	19
17	Microdetermination of phosphorus in organic materials from polymer industry by microwave-induced plasma atomic emission spectrometry after microwave digestion. <i>Microchemical Journal</i> , 2001, 70, 41-49.	4.5	17
18	A low-flow low-power helium microwave induced plasma for optical and mass spectrometry with solution nebulization. <i>Journal of Analytical Atomic Spectrometry</i> , 2008, 23, 1234.	3.0	17

#	ARTICLE	IF	CITATIONS
19	Sensitive determination of bioaccessible mercury in complex matrix samples by combined photochemical vapor generation and solid phase microextraction coupled with microwave induced plasma optical emission spectrometry. <i>Talanta</i> , 2020, 219, 121162.	5.5	17
20	Characteristics of nebulizers for microwave-induced plasma atomic emission spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1997, 52, 1801-1812.	2.9	16
21	Multielement determination of major elements in polymer additives by microwave induced plasma atomic emission spectrometry after microwave digestion. <i>Analytica Chimica Acta</i> , 2001, 440, 215-221.	5.4	15
22	Synthesis and purification of trimethylgallium for MOCVD: molecular structure of $(\text{KF})_4\text{i}^{1/2}_4(\text{Me}_3\text{Ga})$. <i>Applied Organometallic Chemistry</i> , 2000, 14, 616-622.	3.5	14
23	Direct atomic spectrometric analysis of aluminium oxide by continuous powder introduction into microwave induced plasma. <i>Journal of Analytical Atomic Spectrometry</i> , 2005, 20, 981.	3.0	14
24	Some spatial effects observed in the axially viewed filament argon microwave induced plasma with solution nebulization. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2002, 57, 853-863.	2.9	13
25	Photochemical vapor generation combined with headspace solid phase microextraction for determining mercury species by microwave-induced plasma optical emission spectrometry. <i>Microchemical Journal</i> , 2022, 172, 106905.	4.5	13
26	Effect of temperature on direct chemical vapor generation for plasma optical emission spectrometry: An application of programmable temperature spray chamber. <i>Microchemical Journal</i> , 2016, 124, 1-8.	4.5	12
27	Selective non-chromatographic determination of tributyltin in sediments using EDTA and diphenylcarbazone as masking agent. <i>International Journal of Environmental Analytical Chemistry</i> , 2018, 98, 295-307.	3.3	11
28	Implementation of acoustic, radiofrequency and microwave rotating fields in analytical plasma sources. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2011, 66, 500-507.	2.9	10
29	Investigation of interaction between biogenic selenium nanoparticles and human serum albumin using microwave plasma optical emission spectrometry operating in a single-particle mode. <i>Monatshefte für Chemie</i> , 2020, 151, 1283-1290.	1.8	9
30	Direct determination of trace amounts of sodium in water-soluble organic pharmaceuticals by microwave induced plasma atomic emission spectrometry. <i>Talanta</i> , 2001, 54, 855-862.	5.5	8
31	Spectroscopic diagnostics of axially viewed inductively coupled plasma and microwave induced plasma coupled to photochemical vapor generation with pneumatic nebulization inside a programmable temperature spray chamber. <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 1885-1892.	3.0	8
32	Efficient use of the NAR-1 pneumatic nebulizer in plasma spectrometry at sub-milliliter liquid consumption rates. <i>Journal of Analytical Atomic Spectrometry</i> , 2008, 23, 1290.	3.0	7
33	Determination of Aqueous Fluoride by Continuous Powder Introduction Microwave-Induced Plasma Optical Emission Spectrometry after Preconcentration on Various Sorbents. <i>Spectroscopy Letters</i> , 2010, 43, 91-100.	1.0	7
34	Determination of nanopowders using microwave plasma optical emission spectrometry operating in a single particle mode. <i>Analytica Chimica Acta</i> , 2019, 1089, 25-31.	5.4	7
35	A digitally controlled rotating field plasma source for analytical spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 1287.	3.0	6
36	Development of a portable analyzer using solid-phase microextraction coupled with thermal desorption digitally-controlled plasma optical emission spectrometry for the determination of mercury volatile compounds released from sediments. <i>Spectroscopy Letters</i> , 2019, 52, 12-20.	1.0	4

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37	Rapid Separation of Elemental Species by Fast Multicapillary Gas Chromatography with Multichannel Optical Spectrometry Detection following Headspace Solid Phase Microextraction. <i>Chromatography (Basel)</i> , 2015, 2, 239-252.	1.2	0
38	Spatially resolved measurements and diagnostics of digitally controlled rotating field pulsed plasma operated in helium at 20 kHz. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2017, 130, 45-52.	2.9	0
39	Green synthesis of selenium nanoparticles: characterization and application. , 2021, , 171-190.		0
40	CHAPTER 12. Assay of Selenium in Dietary Supplements. <i>Food and Nutritional Components in Focus</i> , 2015, , 221-239.	0.1	0