

Mariusz Slachcinski

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1861420/publications.pdf>

Version: 2024-02-01

28
papers

614
citations

516710

16
h-index

610901

24
g-index

28
all docs

28
docs citations

28
times ranked

444
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous determination of hydride forming (As, Bi, Ge, Sb, Se, Sn) and Hg and non-hydride forming (Ca, Fe, Mg, Mn, Zn) elements in sonicate slurries of analytical samples by microwave induced plasma optical emission spectrometry with dual-mode sample introduction system. <i>Microchemical Journal</i> , 2007, 86, 102-111.	4.5	59
2	Recent Achievements in Sample Introduction Systems for Use in Chemical Vapor Generation Plasma Optical Emission and Mass Spectrometry: From Macro- to Microanalytics. <i>Applied Spectroscopy Reviews</i> , 2014, 49, 271-321.	6.7	50
3	Method development for simultaneous multi-element determination of hydride forming elements (As, Tj ETQq1 1 0.784314 rgBT /Ov continuous-microflow ultrasonic nebulizer-hydride generator sample introduction system. <i>Microchemical Journal</i> , 2010, 95, 213-221.	4.5	45
4	Method development for simultaneous multi-element determination of transition (Au, Ag) and noble (Pd, Pt, Rh) metal volatile species by microwave induced plasma spectrometry using a triple-mode microflow ultrasonic nebulizer and in situ chemical vapor generation. <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 1324.	3.0	39
5	Development of a new hybrid technique for inorganic arsenic speciation analysis by microchip capillary electrophoresis coupled with hydride generation microwave induced plasma spectrometry. <i>Microchemical Journal</i> , 2012, 102, 61-67.	4.5	38
6	Composite spheres made of bioengineered spider silk and iron oxide nanoparticles for theranostics applications. <i>PLoS ONE</i> , 2019, 14, e0219790.	2.5	37
7	Simultaneous determination of hydride forming elements (As, Sb, Se, Sn) and Hg in sonicate slurries of biological and environmental reference materials by hydride generation microwave induced plasma optical emission spectrometry (SS-HG-MIP-OES). <i>Microchemical Journal</i> , 2006, 82, 78-85.	4.5	35
8	Method Development for Simultaneous Determination of Transition (Au, Ag, Cd, Cu, Mn, Ni, Pb, Zn) and Noble (Pd, Pt, Rh) Metal Volatile Species by Microwave-Induced Plasma Spectrometry Using Ultrasonic Micronebulizer Dual Capillary Sample Introduction System. <i>Spectroscopy Letters</i> , 2010, 43, 172-182.	1.0	27
9	Modern chemical and photochemical vapor generators for use in optical emission and mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 257-273.	3.0	27
10	Evaluation of various nebulizers for use in microwave induced plasma optical emission spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2007, 22, 1174.	3.0	26
11	Development of a one-step microwave-assisted subcritical water extraction for simultaneous determination of inorganic elements (Ba, Ca, Cu, Fe, Mg, Mn, Na, Pb, Sr, Zn) in reference materials by microwave induced plasma spectrometry. <i>Microchemical Journal</i> , 2014, 115, 6-10.	4.5	26
12	Low-Field NMR Study of Shortcake Biscuits with Cricket Powder, and Their Nutritional and Physical Characteristics. <i>Molecules</i> , 2021, 26, 5417.	3.8	26
13	Ultrasonic Nebulization/UV Photolysis Vapor Generation Sample Introduction System for the Determination of Conventional Hydride (As, Bi, Sb, Se, Sn) and Cold Vapor (Hg, Cd) Generation Elements in Reference Materials in the Presence of Acetic Acid by Microwave-Induced Plasma Spectrometry. <i>Spectroscopy Letters</i> , 2013, 46, 315-326.	1.0	22
14	Simultaneous determination of As, Bi, Sb, Se and Sn by microwave induced plasma spectrometry using a quadruple-mode microflow ultrasonic nebulizer for in situ hydride generation with internal standardization. <i>Microchemical Journal</i> , 2017, 131, 70-78.	4.5	21
15	Analytical Evaluation of an Integrated Ultrasonic Nebulizer-hydride Generator System for Simultaneous Determination of Hydride and Non-hydride Forming Elements by Microwave Induced Plasma Spectrometry. <i>Spectroscopy Letters</i> , 2010, 43, 474-485.	1.0	20
16	In situ vapor generation inductively coupled plasma spectrometry for determination of iodine using a triple-mode microflow ultrasonic nebulizer after alkaline solubilization. <i>Analytical Methods</i> , 2010, 2, 1592.	2.7	17
17	Hyperthermia treatment of cancer cells by the application of targeted silk/iron oxide composite spheres. <i>Materials Science and Engineering C</i> , 2021, 120, 111654.	7.3	17
18	Ultrasonic Nebulization, Multimode Sample Introduction System for Simultaneous Determination of Hydride-Forming, Cold Vapor, and Non-Hydride-Forming Elements by Microwave-Induced Plasma Spectrometry. <i>Spectroscopy Letters</i> , 2014, 47, 415-426.	1.0	15

#	ARTICLE	IF	CITATIONS
19	Application of natural surfactants for improving the leaching of zinc and copper from different soils. <i>Environmental Technology and Innovation</i> , 2021, 24, 101926.	6.1	13
20	Trace determination of Hg together with As, Sb, Se by miniaturized optical emission spectrometry integrated with chemical vapor generation and capacitively coupled argon microwave miniplasma discharge. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2017, 133, 52-59.	2.9	12
21	Interfacing a microchip-based capillary electrophoresis system with a microwave induced plasma spectrometry for copper speciation. <i>Open Chemistry</i> , 2011, 9, 896-903.	1.9	9
22	Slurry micro-sampling technique for use in argon-helium microwave induced plasma optical emission spectrometry. <i>Talanta</i> , 2016, 161, 812-818.	5.5	9
23	Analytical evaluation of a quadruple-mode micro-flow ultrasonic nebulizer for sample introduction in microwave induced plasma spectrometry. <i>Microchemical Journal</i> , 2017, 130, 345-352.	4.5	9
24	Analytical Evaluation of a Reduced-Pressure Microwave-Induced Plasma Studied by Optical Emission Spectrometry Method. <i>Spectroscopy Letters</i> , 2011, 44, 128-137.	1.0	5
25	Development of interface for online coupling of micro-fluidic chip-based photo-micro-reactor/ultrasonic nebulization with microwave induced plasma spectrometry and its application in simultaneous determination of inorganic trace elements in biological materials. <i>Microchemical Journal</i> , 2015, 119, 133-139.	4.5	4
26	Evaluation of Five Phase Digitally Controlled Rotating Field Plasma Source for Photochemical Mercury Vapor Generation Optical Emission Spectrometry. <i>Analytical Sciences</i> , 2015, 31, 987-995.	1.6	3
27	A Comparison of ETV and LA for the Determination of Trace Elements in Solid Samples by MIP OES. <i>Ecological Chemistry and Engineering S</i> , 2019, 26, 429-441.	1.5	3
28	Pressurized Flow Solubilization System Using Electromagnetic Induction Heating Technique for Simultaneous Determination of Inorganic Elements (Ba, Ca, Cd, Cu, Fe, Mg, Mn, Na, Pb, Sr, Zn) in Sonicate Slurries of Biological Materials by Microwave Induced Plasma Optical Emission Spectrometry (MIP-OES). <i>Journal of the Brazilian Chemical Society</i> , 2015, , .	0.6	0