

# Mariusz Slachcinski

## List of Publications by Year in descending order

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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  | 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        |
| 2  | 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        |
| 3  | 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        |
| 4  | Composite spheres made of bioengineered spider silk and iron oxide nanoparticles for theranostics applications. <i>PLoS ONE</i> , 2019, 14, e0219790.   | 2.5 | 37        |
| 5  | 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        |
| 6  | 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         |
| 7  | 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        |
| 8  | 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        |
| 9  | 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         |
| 10 | 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         |
| 11 | 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         |
| 12 | 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         |
| 13 | 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         |
| 14 | 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        |
| 15 | 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        |
| 16 | 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        |
| 17 | Ultrasonic Nebulization/LIV 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        |
| 18 | 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        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | 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         |
| 20 | 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         |
| 21 | 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        |
| 22 | 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        |
| 23 | 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        |
| 24 | 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        |
| 25 | 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        |
| 26 | 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        |
| 27 | Simultaneous determination of hydride forming (As, Bi, Ce, 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        |
| 28 | 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        |