

# Barbara Lesniewska

## List of Publications by Year in descending order

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35  
papers

946  
citations

394421

19  
h-index

434195

31  
g-index

37  
all docs

37  
docs citations

37  
times ranked

939  
citing authors

#	ARTICLE	IF	CITATIONS
1	Platinum, palladium and rhodium content in road dust, tunnel dust and common grass in Biaystok area (Poland): a pilot study. <i>Science of the Total Environment</i> , 2004, 321, 93-104.	8.0	145
2	Ion-Exchange Preconcentration and Separation of Trace mounts of Platinum and Palladium. <i>Analytical Letters</i> , 2000, 33, 2805-2820.	1.8	61
3	Antioxidant properties of coffee substitutes rich in polyphenols and minerals. <i>Food Chemistry</i> , 2019, 278, 101-109.	8.2	60
4	Bioaccumulation of platinum group elements and characterization of their species in <i>Lolium multiflorum</i> by size-exclusion chromatography coupled with ICP-MS. <i>Science of the Total Environment</i> , 2004, 322, 95-108.	8.0	53
5	The study of applicability of dithiocarbamate-coated fullerene C60 for preconcentration of palladium for graphite furnace atomic absorption spectrometric determination in environmental samples. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2005, 60, 377-384.	2.9	53
6	Elimination of interferences in determination of platinum and palladium in environmental samples by inductively coupled plasma mass spectrometry. <i>Analytica Chimica Acta</i> , 2006, 564, 236-242.	5.4	52
7	Assessment of ion imprinted polymers based on Pd(II) chelate complexes for preconcentration and FAAS determination of palladium. <i>Talanta</i> , 2010, 83, 596-604.	5.5	51
8	Separation and preconcentration of trace amounts of Cr(III) ions on ion imprinted polymer for atomic absorption determinations in surface water and sewage samples. <i>Microchemical Journal</i> , 2012, 105, 88-93.	4.5	39
9	Studies of ion-imprinted polymers for solid-phase extraction of ruthenium from environmental samples before its determination by electrothermal atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2011, 66, 508-516.	2.9	37
10	Selective solid phase extraction of platinum on an ion imprinted polymers for its electrothermal atomic absorption spectrometric determination in environmental samples. <i>Mikrochimica Acta</i> , 2011, 175, 273-282.	5.0	32
11	Separation of ruthenium from environmental samples on polymeric sorbent based on imprinted Ru(III)-allyl acetoacetate complex. <i>Talanta</i> , 2012, 89, 352-359.	5.5	31
12	Multi-commutation flow system with on-line solid phase extraction exploiting the ion-imprinted polymer and FAAS detection for chromium speciation analysis in sewage samples. <i>Analytical Methods</i> , 2015, 7, 1517-1526.	2.7	29
13	Assessment of immobilized yeast for the separation and determination of platinum in environmental samples by flow-injection chemiluminescence and electrothermal atomic absorption spectrometry. <i>Mikrochimica Acta</i> , 2008, 163, 327-334.	5.0	26
14	The study of magnesium speciation in serum by liquid chromatography and graphite furnace atomic absorption techniques. <i>Analytica Chimica Acta</i> , 1998, 358, 185-193.	5.4	22
15	An ultrasound-assisted procedure for fast screening of mobile fractions of Cd, Pb and Ni in soil. Insight into method optimization and validation. <i>Environmental Science and Pollution Research</i> , 2016, 23, 25093-25104.	5.3	22
16	Recent Advances in On-Line Methods Based on Extraction for Speciation Analysis of Chromium in Environmental Matrices. <i>Critical Reviews in Analytical Chemistry</i> , 2016, 46, 305-322.	3.5	21
17	Studies on the effect of functional monomer and porogen on the properties of ion imprinted polymers based on Cr(III)-1,10-phenanthroline complex designed for selective removal of Cr(III) ions. <i>Reactive and Functional Polymers</i> , 2017, 117, 131-139.	4.1	21
18	Separation of matrix by means of biosorption for flow-injection chemiluminescent determination of trace amounts of Pt(IV) in natural waters. <i>Microchemical Journal</i> , 2007, 85, 314-320.	4.5	20

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19	A novel ion imprinted polymer as a highly selective sorbent for separation of ruthenium ions from environmental samples. <i>Analytical Methods</i> , 2013, 5, 3096.	2.7	19
20	Selective Separation of Chromium Species from Soils by Single-Step Extraction Methods: a Critical Appraisal. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 274.	2.4	19
21	Fast and simple procedure for fractionation of zinc in soil using an ultrasound probe and FAAS detection. Validation of the analytical method and evaluation of the uncertainty budget. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 29.	2.7	16
22	Method development for determination of trace amounts of palladium in environmental water samples by ICP-MS/MS after pre-concentration on thiol-functionalized MCM-41 materials. <i>Talanta</i> , 2020, 217, 121004.	5.5	15
23	Speciation of Chromium in Alkaline Soil Extracts by an Ion-Pair Reversed Phase HPLC-ICP MS Method. <i>Molecules</i> , 2019, 24, 1172.	3.8	14
24	Preconcentration of Trace Amounts of Platinum in Water on Different Sorbents. <i>International Journal of Environmental Analytical Chemistry</i> , 1999, 75, 71-81.	3.3	13
25	Evaluation of ion imprinted polymers for the solid phase extraction and electrothermal atomic absorption spectrometric determination of palladium in environmental samples. <i>International Journal of Environmental Analytical Chemistry</i> , 2013, 93, 483-498.	3.3	11
26	Extraction of ranitidine and nizatidine with using imidazolium ionic liquids prior spectrophotometric and chromatographic detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 106, 85-91.	2.8	11
27	Metal-Dependent Cytotoxic and Kinesin Spindle Protein Inhibitory Activity of Ru, Os, Rh, and Ir Half-Sandwich Complexes of Ispinesib-Derived Ligands. <i>Inorganic Chemistry</i> , 2020, 59, 14879-14890.	4.0	11
28	A novel ion-imprinted polymeric sorbent for separation and determination of chromium(III) species in wastewater. <i>Turkish Journal of Chemistry</i> , 2016, 40, 933-943.	1.2	10
29	Chromium Speciation in Wastewater and Sewage by Solid-Phase Extraction Using a New Diphenylcarbazone-Incorporated Resin. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 291.	2.4	10
30	Development of Solid Phase Extraction Method Based on Ion Imprinted Polymer for Determination of Cr(III) Ions by ETAAS in Waters. <i>Water (Switzerland)</i> , 2022, 14, 529.	2.7	8
31	DETERMINATION OF TRACE AMOUNTS OF PLATINUM BY DERIVATIVE SPECTROPHOTOMETRY AFTER COLUMN SEPARATION OF PALLADIUM. <i>Instrumentation Science and Technology</i> , 2001, 19, 345-354.	0.8	6
32	Ultrasound assisted extraction for determination of mobile fractions of copper in soil. <i>Roczniki Panstwowego Zakladu Higieny</i> , 2014, 65, 67-74.	0.7	4
33	Preparation and application of ion-imprinted polymer sorbents in separation process of trace metals. <i>Comprehensive Analytical Chemistry</i> , 2019, , 261-293.	1.3	2
34	Systematic Errors in the Determination of Trace Metals by GFAAS Technique, Part I. <i>Mikrochimica Acta</i> , 2003, 143, 13-17.	5.0	1
35	On the Underestimated Factors Influencing the Accuracy of Determination of Pt and Pd by Electrothermal Atomic Absorption Spectrometry in Road Dust Samples. <i>Environmental Science and Engineering</i> , 2015, , 53-65.	0.2	1