

# Ewa Bulska

## List of Publications by Year in descending order

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118  
papers

2,248  
citations

201674

27  
h-index

289244

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g-index

124  
all docs

124  
docs citations

124  
times ranked

2818  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioanalytics as a Tool Supporting the Functional Food Development. , 2022, , 1-19.		0
2	Testing diverse strategies for ruthenium catalyst removal after aqueous homogeneous olefin metathesis. Journal of Organometallic Chemistry, 2022, 965-966, 122320.	1.8	2
3	Fluorine-Containing Drug Administration in Rats Results in Fluorination of Selected Proteins in Liver and Brain Tissue. International Journal of Molecular Sciences, 2022, 23, 4202.	4.1	4
4	Label-Free Mass Spectrometry-Based Proteomic Analysis in Lamb Tissues after Fish Oil, Carnosic Acid, and Inorganic Selenium Supplementation. Animals, 2022, 12, 1428.	2.3	3
5	Mass Spectrometry-Based Proteomic Analysis in Neurodegenerative Disorders™ Research. , 2022, , 27-48.		0
6	Laser Ablation Microsampling with ICP-MS Detection for Multielemental Bioimaging of Clinical Samples. , 2022, , 783-803.		0
7	Bioanalytics as a Tool Supporting the Functional Food Development. , 2022, , 627-645.		0
8	An Improved Methodology for Determination of Fluorine in Biological Samples Using High-Resolution Molecular Absorption Spectrometry via Gallium Fluorine Formation in a Graphite Furnace. Applied Sciences (Switzerland), 2021, 11, 5493.	2.5	6
9	In vitro metabolic studies of novel selective androgen receptor modulators and their use for doping control analysis. Drug Testing and Analysis, 2021, , .	2.6	6
10	A Novel Approach for the Determination of the Ge Isotope Ratio Using Liquid™Liquid Extraction and Hydride Generation by Multicollector Inductively Coupled Plasma Mass Spectrometry. Analytical Chemistry, 2021, 93, 13548-13554.	6.5	6
11	Evaluation of the influence of diet supplementation with conjugated linoleic acid isomers on elemental composition in the cardio-oncological nutritional programming rat™ model. Journal of Trace Elements in Medicine and Biology, 2021, 68, 126816.	3.0	1
12	Key issues related to the accreditation of academic laboratories. Accreditation and Quality Assurance, 2021, 26, 285-291.	0.8	2
13	Cancer Influences the Elemental Composition of the Myocardium More Strongly than Conjugated Linoleic Acids-Chemometric Approach to Cardio-Oncological Studies. Molecules, 2021, 26, 7127.	3.8	2
14	Design and synthesis of selective and blood-brain barrier-permeable hydroxamate-based gelatinase inhibitors. Bioorganic Chemistry, 2020, 94, 103365.	4.1	14
15	Reference measurements of mercury species in seafood using isotope dilution inductively coupled plasma mass spectrometry. Journal of Food Composition and Analysis, 2020, 86, 103381.	3.9	6
16	Comprehensive Protocol for the Identification and Characterization of New Psychoactive Substances in the Service of Law Enforcement Agencies. Frontiers in Chemistry, 2020, 8, 693.	3.6	6
17	Novel Approach for the Accurate Determination of Se Isotope Ratio by Multicollector ICP-MS. Analytical Chemistry, 2020, 92, 16097-16104.	6.5	13
18	The matrix metalloproteinase inhibitor marimastat inhibits seizures in a model of kainic acid-induced status epilepticus. Scientific Reports, 2020, 10, 21314.	3.3	12

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19	Determination of Selenium Species in Muscle, Heart, and Liver Tissues of Lambs Using Mass Spectrometry Methods. <i>Animals</i> , 2020, 10, 808.	2.3	16
20	The impact of sample preparation on the elemental composition of soft tissues assessed by laser ablation ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 1340-1350.	3.0	8
21	Molecular absorption and mass spectrometry for complementary analytical study of fluorinated drugs in animal organisms. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 1840-1847.	3.0	8
22	Determination of isotope fractionation of Cr(III) during oxidation by LC/low-resolution MC-ICPMS. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 560-566.	3.0	5
23	Searching for Low Molecular Weight Seleno-Compounds in Sprouts by Mass Spectrometry. <i>Molecules</i> , 2020, 25, 2870.	3.8	9
24	Kairomone-like activity of bile and bile components: A step towards revealing the chemical nature of fish kairomone. <i>Scientific Reports</i> , 2020, 10, 7037.	3.3	8
25	An isocyanide ligand for the rapid quenching and efficient removal of copper residues after Cu/TEMPO-catalyzed aerobic alcohol oxidation and atom transfer radical polymerization. <i>Chemical Science</i> , 2020, 11, 4251-4262.	7.4	23
26	Magnesium-Isotope Fractionation in Chlorophyll-a Extracted from Two Plants with Different Pathways of Carbon Fixation (C3, C4). <i>Molecules</i> , 2020, 25, 1644.	3.8	12
27	Methodological aspects concerning sampling and determination of total selenium and selenium species in geothermal waters. <i>Bulletin of Geography, Physical Geography Series</i> , 2020, 18, 5-16.	0.6	6
28	Insights into Primary Ion Exchange between Ion-Selective Membranes and Solution. From Altering Natural Isotope Ratios to Isotope Dilution Inductively Coupled Plasma Mass Spectrometry Studies. <i>ACS Sensors</i> , 2020, 5, 3930-3938.	7.8	3
29	Noncovalent Immobilization of Cationic Ruthenium Complex in a Metal-Organic Framework by Ion Exchange Leading to a Heterogeneous Olefin Metathesis Catalyst for Use in Green Solvents. <i>Organometallics</i> , 2019, 38, 3397-3405.	2.3	23
30	ICP-MS analysis of diet supplementation influence on the elemental content of rat prostate gland. <i>Monatshefte für Chemie</i> , 2019, 150, 1681-1690.	1.8	7
31	Neuronal TDP-43 depletion affects activity-dependent plasticity. <i>Neurobiology of Disease</i> , 2019, 130, 104499.	4.4	15
32	Urinary metabolomic signature of muscle-invasive bladder cancer: A multiplatform approach. <i>Talanta</i> , 2019, 202, 572-579.	5.5	22
33	The use of a valid and straightforward method for the identification of higenamine in dietary supplements in view of anti-doping rule violation cases. <i>Drug Testing and Analysis</i> , 2019, 11, 912-917.	2.6	19
34	Semiheterogeneous Purification Protocol for the Removal of Ruthenium Impurities from Olefin Metathesis Reaction Products Using an Isocyanide Scavenger. <i>Organic Process Research and Development</i> , 2019, 23, 836-844.	2.7	22
35	Reference values of methyl mercury mass fractions in new type of environmental matrix-matching materials for speciation analysis assigned by species-specific isotope dilution inductively coupled plasma mass spectrometry and high-performance liquid chromatography. <i>Microchemical Journal</i> , 2019, 147, 674-681.	4.5	7
36	Organic Hydroxy Acids as Highly Oxygenated Molecular (HOM) Tracers for Aged Isoprene Aerosol. <i>Environmental Science &amp; Technology</i> , 2019, 53, 14516-14527.	10.0	17

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37	Detection of ALDH3B2 in Human Placenta. International Journal of Molecular Sciences, 2019, 20, 6292.	4.1	2
38	Highly efficient and time economical purification of olefin metathesis products from metal residues using an isocyanide scavenger. Green Chemistry, 2018, 20, 1280-1289.	9.0	33
39	Elemental imaging of heterogeneous inorganic archaeological samples by means of simultaneous laser induced breakdown spectroscopy and laser ablation inductively coupled plasma mass spectrometry measurements. Talanta, 2018, 179, 784-791.	5.5	28
40	Direct determination of $^{44}/^{42}\text{Ca}$ isotope ratio by ion chromatography/resolution multicollector ICPMS. Journal of Mass Spectrometry, 2018, 53, 78-82.	1.6	7
41	Seleno-compounds and Carnosic Acid Added to Diets with Rapeseed and Fish Oils Affect Concentrations of Selected Elements and Chemical Composition in the Liver, Heart and Muscles of Lambs. Biological Trace Element Research, 2018, 184, 378-390.	3.5	11
42	Metrology in Chemistry. Lecture Notes in Quantum Chemistry II, 2018, , .	0.3	6
43	Detection of bemitil and its metabolite in urine by means of LC-MS/MS in view of doping control analysis. Drug Testing and Analysis, 2018, 10, 1682-1688.	2.6	11
44	Reference measurements of cadmium and lead contents in candidates for new environmental certified materials by isotope dilution inductively coupled plasma mass spectrometry. Microchemical Journal, 2018, 142, 36-42.	4.5	22
45	Comparative Evaluation of Red Wine from Various European Regions Using Mass Spectrometry Tools. Analytical Letters, 2018, 51, 2645-2659.	1.8	8
46	Evaluation of the Role of Matrix Matching for LA-ICP-MS Calibration Approaches in Quantitative Elemental Analysis of Tooth Enamel. Journal of the Mexican Chemical Society, 2018, 62, .	0.6	4
47	Investigation of biotransformation of selenium in plants using spectrometric methods. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2017, 130, 7-16.	2.9	30
48	<i>Allium cepa</i> L. Response to Sodium Selenite (Se(IV)) Studied in Plant Roots by a LC-MS-Based Proteomic Approach. Journal of Agricultural and Food Chemistry, 2017, 65, 3995-4004.	5.2	16
49	NO-Dependent programmed cell death is involved in the formation of Zn-related lesions in tobacco leaves. Metallomics, 2017, 9, 924-935.	2.4	9
50	Introducing Cobalt(II) Porphyrin/Cobalt(III) Corrole Containing Transducers for Improved Potential Reproducibility and Performance of All-Solid-State Ion-Selective Electrodes. Analytical Chemistry, 2017, 89, 7107-7114.	6.5	52
51	High precision direct analysis of magnesium isotope ratio by ion chromatography/multicollector-ICPMS using wet and dry plasma conditions. Talanta, 2017, 165, 64-68.	5.5	20
52	On the use of certified reference materials for assuring the quality of results for the determination of mercury in environmental samples. Environmental Science and Pollution Research, 2017, 24, 7889-7897.	5.3	22
53	Thallium Hyperaccumulation in Polish Populations of <i>Biscutella laevigata</i> (Brassicaceae). Acta Biologica Cracoviensia Series Botanica, 2016, 58, 7-19.	0.5	7
54	Anti-mycobacterial activity of thymine derivatives bearing boron clusters. European Journal of Medicinal Chemistry, 2016, 121, 71-81.	5.5	28

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55	Quantitative aspects of inductively coupled plasma mass spectrometry. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150369.	3.4	34
56	Determination the Usefulness of AhHMA4p1::AhHMA4 Expression in Biofortification Strategies. Water, Air, and Soil Pollution, 2016, 227, 186.	2.4	4
57	Reference measurements for total mercury and methyl mercury content in marine biota samples using direct or species-specific isotope dilution inductively coupled plasma mass spectrometry. Talanta, 2016, 160, 562-569.	5.5	21
58	The ratio of Zn to Cd supply as a determinant of metal-homeostasis gene expression in tobacco and its modulation by overexpressing the metal exporter AtHMA4. Journal of Experimental Botany, 2016, 67, 6201-6214.	4.8	38
59	On-line separation of strontium from a matrix and determination of the <sup>87</sup> Sr/ <sup>86</sup> Sr ratio by Ion Chromatography/Multicollector-ICPMS. Journal of Analytical Atomic Spectrometry, 2016, 31, 1459-1463.	3.0	13
60	Analytical procedure for steroid profiling valid for Athlete Biological Passport. Chemical Papers, 2015, 69, .	2.2	3
61	Improving the Upper Detection Limit of Potentiometric Sensors. Electroanalysis, 2015, 27, 720-726.	2.9	8
62	Effects of species and sites on metal concentrations in byssal threads of two mytilids. International Journal of Environmental Analytical Chemistry, 2015, 95, 657-664.	3.3	2
63	A summer school where master students learn the skills needed to work in an accredited analytical laboratory. Analytical and Bioanalytical Chemistry, 2015, 407, 6899-6907.	3.7	4
64	Potentiometric layered membranes. Sensors and Actuators B: Chemical, 2015, 207, 995-1003.	7.8	9
65	Analytical approach for the determination of steroid profile of humans by gas chromatography isotope ratio mass spectrometry aimed at distinguishing between endogenous and exogenous steroids. Journal of Pharmaceutical and Biomedical Analysis, 2015, 106, 159-166.	2.8	14
66	HMA4 expression in tobacco reduces Cd accumulation due to the induction of the apoplastic barrier. Journal of Experimental Botany, 2014, 65, 1125-1139.	4.8	78
67	Detection of $\hat{I}^2$ -methylphenethylamine, a novel doping substance, by means of UPLC/MS/MS. Analytical and Bioanalytical Chemistry, 2014, 406, 3681-3688.	3.7	21
68	Minimally-invasive Laser Ablation Inductively Coupled Plasma Mass Spectrometry analysis of model ancient copper alloys. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2014, 99, 115-120.	2.9	18
69	Glassy faience from the Hallstatt C period in Poland: a chemico-physical study. Journal of Archaeological Science, 2014, 50, 288-304.	2.4	11
70	Lenticular nucleus hyperechogenicity in Wilson's disease reflects local copper, but not iron accumulation. Journal of Neural Transmission, 2014, 121, 1273-1279.	2.8	24
71	Geochemical investigation of alluvial sediments: validation of ICP-OES determination of heavy metals. A case study from the Utrata River Valley (central Poland). Open Chemistry, 2014, 12, 687-699.	1.9	4
72	Role of selenium in pathophysiology of alcohol dependence - indications for supplementation. Journal of Elementology, 2014, .	0.2	2

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73	Expression of HvHMA2 in tobacco modifies Zn <sup>2+</sup> –Fe <sup>2+</sup> –Cd homeostasis. <i>Journal of Plant Physiology</i> , 2013, 170, 1176-1186.	3.5	40
74	Neurochemical and Behavioral Characteristics of Toxic Milk Mice: An Animal Model of Wilson's Disease. <i>Neurochemical Research</i> , 2013, 38, 2037-2045.	3.3	34
75	Tobacco Smoke Exposure During Pregnancy Increases Maternal Blood Lead Levels Affecting Neonate Birth Weight. <i>Biological Trace Element Research</i> , 2013, 155, 169-175.	3.5	28
76	Metallurgical and chemical characterization of copper alloy reference materials within laser ablation inductively coupled plasma mass spectrometry: Method development for minimally-invasive analysis of ancient bronze objects. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2013, 79-80, 17-30.	2.9	17
77	Development of <i>Zn</i> -related necrosis in tobacco is enhanced by expressing <i>AtHMA4</i> and depends on the apoplastic <i>Zn</i> levels. <i>Plant, Cell and Environment</i> , 2013, 36, 1093-1104.	5.7	40
78	Composition data of a large collection of black-appearing Roman glass. <i>Open Journal of Archaeometry</i> , 2013, 1, 22.	0.2	8
79	Dithizone Modified Gold Nanoparticles Films for Potentiometric Sensing. <i>Analytical Chemistry</i> , 2012, 84, 4437-4442.	6.5	33
80	Microspheres aided introduction of ionophore and ion-exchanger to the ion-selective membrane. <i>Talanta</i> , 2012, 88, 66-72.	5.5	8
81	Inductively coupled plasma mass spectrometry in comparison with neutron activation and ion chromatography with UV/VIS detection for the determination of lanthanides in plant materials. <i>Talanta</i> , 2012, 97, 303-311.	5.5	23
82	Metal response of transgenic tomato plant expressing <i>P1B-ATPase</i> . <i>Physiologia Plantarum</i> , 2012, 145, 315-331.	5.2	45
83	Estimation of primary silver ions contents in poly(vinyl chloride) ion-selective membranes using chronopotentiometry and mass spectrometry. <i>Electrochimica Acta</i> , 2012, 73, 86-92.	5.2	3
84	A novel procedure of powdered samples immobilization and multi-point calibration of LA ICP MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2011, 26, 1539.	3.0	15
85	The role of subcellular distribution of cadmium and phytochelatin in the generation of distinct phenotypes of <i>AtPCS1</i> - and <i>CePCS3</i> -expressing tobacco. <i>Journal of Plant Physiology</i> , 2010, 167, 981-988.	3.5	62
86	Experimental study on stability of different solid contact arrangements of ion-selective electrodes. <i>Talanta</i> , 2010, 82, 151-157.	5.5	41
87	Quantifying Primary Silver Ions Contents in Poly(vinyl chloride) and Poly( <i>n</i> -butyl acrylate) Ion-Selective Membranes. <i>Electroanalysis</i> , 2009, 21, 1931-1938.	2.9	20
88	Silver and lead all-plastic sensors—polyaniline vs. poly(3,4-ethylenedioxythiophene) solid contact. <i>Journal of Solid State Electrochemistry</i> , 2009, 13, 99-106.	2.5	34
89	TrainMiC <sup>®</sup> : a programme for life-long learning in metrology in chemistry. <i>Accreditation and Quality Assurance</i> , 2009, 14, 167-173.	0.8	3
90	Ectopic expression of Arabidopsis ABC transporter MRP7 modifies cadmium root-to-shoot transport and accumulation. <i>Environmental Pollution</i> , 2009, 157, 2781-2789.	7.5	113

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91	Poly(n-butyl acrylate) based lead (II) selective electrodes. <i>Talanta</i> , 2009, 79, 1247-1251.	5.5	24
92	An analysis of long-distance root to leaf transport of lead in <i>Pisum sativum</i> plants by laser ablation-ICP-MS. <i>International Journal of Environmental Analytical Chemistry</i> , 2009, 89, 651-659.	3.3	22
93	TrainMiC <sup>®</sup> : Providing a Tool for the Inter-Calibration of Technical Assessors in Europe in the Area of Chemical Measurements. <i>Chimia</i> , 2009, 63, 686-688.	0.6	0
94	Quality Assurance and Quality Control of Analytical Results. <i>Analytical Chemistry Series</i> , 2009, , 389-397.	0.0	2
95	Complementary analysis of historical glass by scanning electron microscopy with energy dispersive X-ray spectroscopy and laser ablation inductively coupled plasma mass spectrometry. <i>Mikrochimica Acta</i> , 2008, 162, 415-424.	5.0	39
96	Magnesium distribution in paper subjected to deacidification investigated by means of Laser Ablation Inductively Coupled Plasma Mass Spectrometry. <i>Journal of Cultural Heritage</i> , 2008, 9, 60-65.	3.3	15
97	Composite Polyacrylate~Poly(3,4- ethylenedioxythiophene) Membranes for Improved All-Solid-State Ion-Selective Sensors. <i>Analytical Chemistry</i> , 2008, 80, 321-327.	6.5	37
98	Chloride-Selective Electrodes with Poly(n-butyl acrylate) Based Membranes. <i>Electroanalysis</i> , 2007, 19, 393-397.	2.9	13
99	On the uniforming of the atomization process for inorganic and organic mercury in graphite furnace atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2007, 62, 269-272.	2.9	17
100	Analytical approach to the conservation of the ancient Egyptian manuscript "Bakai Book of the Dead", a case study. <i>Mikrochimica Acta</i> , 2007, 159, 101-108.	5.0	22
101	Investigation of aging processes of graphite tubes modified with iridium and rhodium used for atomic spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2007, 62, 1195-1202.	2.9	3
102	In Vivo Investigation of the Distribution and the Local Speciation of Selenium in <i>Allium cepa</i> L. by Means of Microscopic X-ray Absorption Near-Edge Structure Spectroscopy and Confocal Microscopic X-ray Fluorescence Analysis. <i>Analytical Chemistry</i> , 2006, 78, 7616-7624.	6.5	65
103	Laser Ablation Inductively Coupled Plasma Mass Spectrometry Assisted Insight into Ion-Selective Membranes. <i>Analytical Chemistry</i> , 2006, 78, 5584-5589.	6.5	42
104	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
105	Good oral presentation of scientific work. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 385, 403-405.	3.7	5
106	Tips for effective poster presentations. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 385, 1347-1349.	3.7	4
107	Cu determination in crude oil distillation products by atomic absorption and inductively coupled plasma mass spectrometry after analyte transfer to aqueous solution. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2005, 60, 351-359.	2.9	41
108	HPLC-ICP-MS speciation of selenium in enriched onion leaves " a potential dietary source of Se-methylselenocysteine. <i>Food Chemistry</i> , 2004, 86, 617-623.	8.2	87

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109	Do we need education in metrology in chemistry?. Analytical and Bioanalytical Chemistry, 2003, 377, 588-589.	3.7	8
110	Use of solid-phase extraction to eliminate interferences in the determination of mercury by flow-injection CV AAS. Analytical and Bioanalytical Chemistry, 2003, 377, 735-739.	3.7	25
111	TrainMiC: an information platform as a tool for the education of metrology in chemistry. Accreditation and Quality Assurance, 2003, 8, 369-371.	0.8	6
112	Investigation of Complexation and Solid-liquid Extraction of Iron from Paper by UV/VIS and Atomic Absorption Spectrometry. Mikrochimica Acta, 2001, 136, 61-66.	5.0	17
113	Performance of permanent iridium modifier in the presence of corrosive matrix in graphite furnace atomic absorption spectrometry. Fresenius' Journal of Analytical Chemistry, 2001, 371, 1079-1082.	1.5	4
114	Analytical advantages of using electrochemistry for atomic spectrometry. Pure and Applied Chemistry, 2001, 73, 1-7.	1.9	26
115	Determination of Mercury by Cold-Vapor Atomic Absorption Spectrometry with Preconcentration on a Gold-Trap.. Analytical Sciences, 2000, 16, 1309-1312.	1.6	126
116	The effect of palladium modifier on the efficiency of antimony hydride trapping in graphite furnace atomic absorption spectrometry (AAS). Fresenius' Journal of Analytical Chemistry, 1998, 361, 43-46.	1.5	6
117	Atomic absorption spectrometric determination of mercury in soil standard reference material following microwave sample pretreatment. Mikrochimica Acta, 1995, 119, 137-146.	5.0	30
118	Calibration and Reference Samples in Trace Metals Determination in Serum by Graphite Furnace Atomic Absorption Spectrometry.. Analytical Sciences, 1992, 8, 405-409.	1.6	4