

Anna Ruszczynska

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

626
citations

623734

14
h-index

580821

25
g-index

37
all docs

37
docs citations

37
times ranked

748
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Metal response of transgenic tomato plantsexpressing P _{1B} -ATPase. <i>Physiologia Plantarum</i> , 2012, 145, 315-331.	5.2	45
4	Expression of HvHMA2 in tobacco modifies Zn-Fe-Cd homeostasis. <i>Journal of Plant Physiology</i> , 2013, 170, 1176-1186.	3.5	40
5	Development of Z-related necrosis in tobacco is enhanced by expressing AtHMA4 and depends on the apoplastic Zn levels. <i>Plant, Cell and Environment</i> , 2013, 36, 1093-1104.	5.7	40
6	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. <i>Journal of Experimental Botany</i> , 2016, 67, 6201-6214.	4.8	38
7	Highly efficient and time economical purification of olefin metathesis products from metal residues using an isocyanide scavenger. <i>Green Chemistry</i> , 2018, 20, 1280-1289.	9.0	33
8	Investigation of biotransformation of selenium in plants using spectrometric methods. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2017, 130, 7-16.	2.9	30
9	Anti-mycobacterial activity of thymine derivatives bearing boron clusters. <i>European Journal of Medicinal Chemistry</i> , 2016, 121, 71-81.	5.5	28
10	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
11	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
12	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
13	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
14	Bio-transformation of selenium in Se-enriched bacterial strains of <i>Lactobacillus casei</i> . <i>Roczniki Państwowego Zakładu Higieny</i> , 2016, 67, 253-62.	0.7	15
15	Tetrabromobisphenol A disturbs zinc homeostasis in cultured cerebellar granule cells: A dual role in neurotoxicity. <i>Food and Chemical Toxicology</i> , 2017, 109, 363-375.	3.6	11
16	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. <i>Biological Trace Element Research</i> , 2018, 184, 378-390.	3.5	11
17	NO-Dependent programmed cell death is involved in the formation of Zn-related lesions in tobacco leaves. <i>Metallomics</i> , 2017, 9, 924-935.	2.4	9
18	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

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19	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
20	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
21	Zinc and Copper Brain Levels and Expression of Neurotransmitter Receptors in Two Rat ASD Models. <i>Frontiers in Molecular Neuroscience</i> , 2021, 14, 656740.	2.9	8
22	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
23	An Improved Methodology for Determination of Fluorine in Biological Samples Using High-Resolution Molecular Absorption Spectrometry via Gallium Fluorine Formation in a Graphite Furnace. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5493.	2.5	6
24	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
25	Determination the Usefulness of AhHMA4p1::AhHMA4 Expression in Biofortification Strategies. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 186.	2.4	4
26	Title Changes in the Mineral Composition of Rat Femoral Bones Induced by Implantation of LNCaP Prostate Cancer Cells and Dietary Supplementation. <i>Nutrients</i> , 2021, 13, 100.	4.1	3
27	Effect of Copper and Selenium Supplementation on the Level of Elements in Rats' Femurs under Neoplastic Conditions. <i>Nutrients</i> , 2022, 14, 1285.	4.1	3
28	Label-Free Mass Spectrometry-Based Proteomic Analysis in Lamb Tissues after Fish Oil, Carnosic Acid, and Inorganic Selenium Supplementation. <i>Animals</i> , 2022, 12, 1428.	2.3	3
29	Statistical evaluation of the effect of sample preparation procedure on the results of determinations of selected elements in environmental samples. Honey bees as a case study. <i>Chemosphere</i> , 2021, 279, 130572.	8.2	2
30	Key issues related to the accreditation of academic laboratories. <i>Accreditation and Quality Assurance</i> , 2021, 26, 285-291.	0.8	2
31	Cancer Influences the Elemental Composition of the Myocardium More Strongly than Conjugated Linoleic Acids-Chemometric Approach to Cardio-Oncological Studies. <i>Molecules</i> , 2021, 26, 7127.	3.8	2
32	Laser Ablation ICP-MS Analysis of Chemically Different Regions of Rat Prostate Gland with Implanted Cancer Cells. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1474.	2.5	2
33	Serum metabolic profiles and metal levels of patients with multiple sclerosis and patients with neuromyelitis optica spectrum disorders - NMR spectroscopy and ICP-MS studies. <i>Multiple Sclerosis and Related Disorders</i> , 2022, 60, 103672.	2.0	2
34	Testing diverse strategies for ruthenium catalyst removal after aqueous homogeneous olefin metathesis. <i>Journal of Organometallic Chemistry</i> , 2022, 965-966, 122320.	1.8	2
35	Evaluation of the influence of diet supplementation with conjugated linoleic acid isomers on elemental composition in the cardio-oncological nutritional programming rat model. <i>Journal of Trace Elements in Medicine and Biology</i> , 2021, 68, 126816.	3.0	1
36	Bioanalytics as a Tool Supporting the Functional Food Development. , 2022, , 1-19.		0

#	ARTICLE	IF	CITATIONS
37	Bioanalytics as a Tool Supporting the Functional Food Development. , 2022, , 627-645.		0