

Kazimierz Wrobel

List of Publications by Year in descending order

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156
papers

4,577
citations

109321

35
h-index

144013

57
g-index

160
all docs

160
docs citations

160
times ranked

5624
citing authors

#	ARTICLE	IF	CITATIONS
1	Dietary Advanced Glycation End Products and Their Role in Health and Disease. <i>Advances in Nutrition</i> , 2015, 6, 461-473.	6.4	252
2	Methylome analysis reveals an important role for epigenetic changes in the regulation of the <i>Arabidopsis</i> response to phosphate starvation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E7293-302.	7.1	170
3	Capillary electrophoresis-inductively coupled plasma-mass spectrometry: an attractive complementary technique for elemental speciation analysis. <i>Journal of Chromatography A</i> , 2002, 975, 245-266.	3.7	143
4	New Insights into Somatic Embryogenesis: LEAFY COTYLEDON1, BABY BOOM1 and WUSCHEL-RELATED HOMEBOX4 Are Epigenetically Regulated in <i>Coffea canephora</i> . <i>PLoS ONE</i> , 2013, 8, e72160.	2.5	130
5	Characterization of Selenium Species in Brazil Nuts by HPLC-ICP-MS and ES-MS. <i>Journal of Agricultural and Food Chemistry</i> , 2002, 50, 5722-5728.	5.2	127
6	Trace elements status in diabetes mellitus type 2: Possible role of the interaction between molybdenum and copper in the progress of typical complications. <i>Diabetes Research and Clinical Practice</i> , 2011, 91, 333-341.	2.8	110
7	HPLC-ICP-MS determination of selenium distribution and speciation in different types of nut. <i>Analytical and Bioanalytical Chemistry</i> , 2002, 373, 454-460.	3.7	101
8	Hydrolysis of proteins with methanesulfonic acid for improved HPLC-ICP-MS determination of seleno-methionine in yeast and nuts. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 375, 133-138.	3.7	90
9	Determination of As(III), As(V), monomethylarsonic acid, dimethylarsinic acid and arsenobetaine by HPLC-ICP-MS: analysis of reference materials, fish tissues and urine. <i>Talanta</i> , 2002, 58, 899-907.	5.5	89
10	Determination of Total Aluminum, Chromium, Copper, Iron, Manganese, and Nickel and Their Fractions Leached to the Infusions of Black Tea, Green Tea, Hibiscus sabdariffa, and Ilex paraguariensis (Mate) by ETA-AAS. <i>Biological Trace Element Research</i> , 2000, 78, 271-280.	3.5	88
11	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
12	Selective Derivatization of Cytosine and Methylcytosine Moieties with 2-Bromoacetophenone for Submicrogram DNA Methylation Analysis by Reversed Phase HPLC with Spectrofluorimetric Detection. <i>Analytical Chemistry</i> , 2011, 83, 7999-8005.	6.5	76
13	Serum selenium and glutathione peroxidase concentrations in type 2 diabetes mellitus patients. <i>Primary Care Diabetes</i> , 2008, 2, 81-85.	1.8	71
14	Aluminium and silicon speciation in human serum by ion-exchange high-performance liquid chromatography-electrothermal atomic absorption spectrometry and gel electrophoresis. <i>Analyst</i> , 1995, 120, 809-815.	3.5	70
15	Dietary advanced glycation end products restriction diminishes inflammation markers and oxidative stress in patients with type 2 diabetes mellitus. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2013, 52, 22-26.	1.4	68
16	Possible Adverse Effect of Chromium in Occupational Exposure of Tannery Workers.. <i>Industrial Health</i> , 2002, 40, 207-213.	1.0	64
17	Somatic Embryogenesis: Identified Factors that Lead to Embryogenic Repression. A Case of Species of the Same Genus. <i>PLoS ONE</i> , 2015, 10, e0126414.	2.5	58
18	Effect of Metal Ions on the Molecular Weight Distribution of Humic Substances Derived from Municipal Compost: Ultrafiltration and Size Exclusion Chromatography with Spectrophotometric and Inductively Coupled Plasma-MS Detection. <i>Analytical Chemistry</i> , 2003, 75, 761-767.	6.5	56

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19	Advanced glycosylation end products in skin, serum, saliva and urine and its association with complications of patients with Type 2 diabetes mellitus. <i>Journal of Endocrinological Investigation</i> , 2005, 28, 223-230.	3.3	54
20	Se-Enriched Mycelia of <i>Pleurotus ostreatus</i> : Distribution of Selenium in Cell Walls and Cell Membranes/Cytosol. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 3440-3444.	5.2	52
21	Arachidonic and oleic acid exert distinct effects on the DNA methylome. <i>Epigenetics</i> , 2016, 11, 321-334.	2.7	52
22	Hexavalent chromium removal in vitro and from industrial wastes, using chromate-resistant strains of filamentous fungi indigenous to contaminated wastes. <i>Canadian Journal of Microbiology</i> , 2006, 52, 809-815.	1.7	51
23	High-performance liquid chromatography determination of 5-methyl-2'-deoxycytidine, 2'-deoxycytidine, and other deoxynucleosides and nucleosides in DNA digests. <i>Analytical Biochemistry</i> , 2008, 374, 378-385.	2.4	50
24	Human native lipoprotein-induced de novo DNA methylation is associated with repression of inflammatory genes in THP-1 macrophages. <i>BMC Genomics</i> , 2011, 12, 582.	2.8	49
25	Studying the distribution pattern of selenium in nut proteins with information obtained from SEC-LIV-ICP-MS and CE-ICP-MS. <i>Talanta</i> , 2005, 66, 153-159.	5.5	48
26	Methylation on RNA: A Potential Mechanism Related to Immune Priming within But Not across Generations. <i>Frontiers in Microbiology</i> , 2017, 8, 473.	3.5	48
27	Pretreatment procedures for characterization of arsenic and selenium species in complex samples utilizing coupled techniques with mass spectrometric detection. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 381, 317-331.	3.7	47
28	Effect of some heavy metals and soil humic substances on the phytochelatin production in wild plants from silver mine areas of Guanajuato, Mexico. <i>Chemosphere</i> , 2008, 70, 2084-2091.	8.2	47
29	Selenium speciation in low molecular weight fraction of Se-enriched yeasts by HPLC-ICP-MS: detection of selenoadenosylmethionine. <i>Journal of Analytical Atomic Spectrometry</i> , 2002, 17, 1048-1054.	3.0	46
30	Global DNA methylation in earthworms: A candidate biomarker of epigenetic risks related to the presence of metals/metalloids in terrestrial environments. <i>Environmental Pollution</i> , 2011, 159, 2387-2392.	7.5	46
31	Effect of cadmium (Cd(II)), selenium (Se(IV)) and their mixtures on phenolic compounds and antioxidant capacity in <i>Lepidium sativum</i> . <i>Acta Physiologiae Plantarum</i> , 2013, 35, 431-441.	2.1	45
32	Comparative evaluation of three different ELISA assays and HPLC-ESI-ITMS/MS for the analysis of N ^ε -carboxymethyl lysine in food samples. <i>Food Chemistry</i> , 2018, 243, 11-18.	8.2	44
33	Identification of selenium species in urine by ion-pairing HPLC-ICP-MS using laboratory-synthesized standards. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 377, 670-674.	3.7	41
34	Enhanced spectrophotometric determination of chromium (VI) with diphenylcarbazide using internal standard and derivative spectrophotometry. <i>Talanta</i> , 1997, 44, 2129-2136.	5.5	38
35	Analytical speciation of mercury in fish tissues by reversed phase liquid chromatography-inductively coupled plasma mass spectrometry with Bi ³⁺ as internal standard. <i>Talanta</i> , 2009, 79, 706-711.	5.5	38
36	Mechanistic insight into chromium(VI) reduction by oxalic acid in the presence of manganese(II). <i>Journal of Hazardous Materials</i> , 2015, 300, 144-152.	12.4	38

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37	Study on the protective role of selenium against cadmium toxicity in lactic acid bacteria: An advanced application of ICP-MS. <i>Journal of Hazardous Materials</i> , 2008, 153, 1157-1164.	12.4	36
38	Associations between whole peripheral blood fatty acids and DNA methylation in humans. <i>Scientific Reports</i> , 2016, 6, 25867.	3.3	35
39	Phylogenomics of 2,4-Diacetylphloroglucinol-Producing <i>Pseudomonas</i> and Novel Antiglycation Endophytes from <i>Piper auritum</i> . <i>Journal of Natural Products</i> , 2017, 80, 1955-1963.	3.0	35
40	Molecular Mechanisms of TNF α Cytotoxicity: Activation of NF- κ B and Nuclear Translocation. <i>Experimental Cell Research</i> , 1996, 224, 63-71.	2.6	34
41	Spectrophotometric determination of Allura Red (R40) in soft drink powders using the universal calibration matrix for partial least squares multivariate method. <i>Analytica Chimica Acta</i> , 1996, 330, 19-29.	5.4	34
42	KNOX1 is expressed and epigenetically regulated during in vitro conditions in <i>Agave</i> spp. <i>BMC Plant Biology</i> , 2012, 12, 203.	3.6	34
43	Determination of SeMet and Se(<i>iv</i>) in biofortified yeast by ion-pair reversed phase liquid chromatography-hydride generation-microwave induced nitrogen plasma atomic emission spectrometry (HPLC-HG-MP-AES). <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 203-211.	3.0	34
44	<i>Fusarium oxysporum</i> Adh1 has dual fermentative and oxidative functions and is involved in fungal virulence in tomato plants. <i>Fungal Genetics and Biology</i> , 2011, 48, 886-895.	2.1	33
45	Speciation of Arsenic in Different Types of Nuts by Ion Chromatography \sim Inductively Coupled Plasma Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2004, 52, 1458-1463.	5.2	32
46	The trans fatty acid elaidate affects the global DNA methylation profile of cultured cells and in vivo. <i>Lipids in Health and Disease</i> , 2016, 15, 75.	3.0	32
47	Gold(<i>i</i>)-catalysed high-yielding synthesis of indenenes by direct C _{sp3} –H bond activation. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 7330-7335.	2.8	32
48	Progress with the speciation of aluminium and silicon in serum of chronic renal patients using atomic spectroscopic techniques. <i>Journal of Analytical Atomic Spectrometry</i> , 1994, 9, 281-284.	3.0	31
49	The Resolution of Dye Binary Mixtures by Bivariate Calibration Using Spectrophotometric Data. <i>Analytical Letters</i> , 1996, 29, 487-503.	1.8	31
50	Cr(VI) reduction by an <i>Aspergillus tubingensis</i> strain: Role of carboxylic acids and implications for natural attenuation and biotreatment of Cr(VI) contamination. <i>Chemosphere</i> , 2009, 76, 43-47.	8.2	31
51	Measurement of cytotoxicity by propidium iodide staining of target cell DNA. <i>Journal of Immunological Methods</i> , 1996, 189, 243-249.	1.4	30
52	Subcellular Distribution of Aluminum, Bismuth, Cadmium, Chromium, Copper, Iron, Manganese, Nickel, and Lead in Cultivated Mushrooms (<i>Agaricus bisporus</i> and <i>Pleurotus ostreatus</i>). <i>Biological Trace Element Research</i> , 2005, 106, 265-278.	3.5	30
53	Epigenetics: an important challenge for ICP-MS in metallomics studies. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 481-486.	3.7	30
54	Application of the bivariate spectrophotometric method for the determination of metronidazole, furazolidone and di-iodohydroxyquinoline in pharmaceutical formulations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1997, 16, 349-355.	2.8	29

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55	ICP-MS multi-element profiles and HPLC determination of furanic compounds in commercial tequila. <i>European Food Research and Technology</i> , 2009, 228, 951-958.	3.3	29
56	Determination of miconazole in pharmaceutical creams using internal standard and second derivative spectrophotometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1999, 20, 99-105.	2.8	28
57	Advanced glycosylation end products (AGEs), insulin-like growth factor-1 (IGF-1) and IGF-binding protein-3 (IGFBP-3) in patients with Type 2 diabetes mellitus. <i>Diabetes/Metabolism Research and Reviews</i> , 2000, 16, 106-113.	4.0	28
58	The protective effect of selenium inorganic forms against cadmium and silver toxicity in mycelia of <i>Pleurotus ostreatus</i> . <i>Mycological Research</i> , 2007, 111, 626-632.	2.5	28
59	High-performance liquid chromatography determination of glyoxal, methylglyoxal, and diacetyl in urine using 4-methoxy-o-phenylenediamine as derivatizing reagent. <i>Analytical Biochemistry</i> , 2014, 449, 52-58.	2.4	28
60	Determination of aldehydes in tequila by high-performance liquid chromatography with 2,4-dinitrophenylhydrazine derivatization. <i>European Food Research and Technology</i> , 2005, 221, 798-802.	3.3	27
61	The AGE-RAGE Axis and Its Relationship to Markers of Cardiovascular Disease in Newly Diagnosed Diabetic Patients. <i>PLoS ONE</i> , 2016, 11, e0159175.	2.5	27
62	Determination of putrescine, cadaverine, spermidine and spermine in different chemical matrices by high performance liquid chromatography-“electrospray ionization”-ion trap tandem mass spectrometry (HPLC-“ESI”-ITMS/MS). <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 1002, 176-184.	2.3	26
63	Functional Characterization of TvCyt2, a Member of the p450 Monooxygenases From <i>Trichoderma virens</i> Relevant During the Association With Plants and Mycoparasitism. <i>Molecular Plant-Microbe Interactions</i> , 2018, 31, 289-298.	2.6	25
64	Determination of methanol in o,o-dimethyldithiophosphoric acid (DMDTPA) of technical grade by UV/vis spectrophotometry and by HPLC. <i>Talanta</i> , 2005, 66, 125-129.	5.5	24
65	Analysis of phytochelatins in nopal (<i>Opuntia ficus</i>): a metallomics approach in the soil-“plant system. <i>Journal of Analytical Atomic Spectrometry</i> , 2007, 22, 897-904.	3.0	24
66	Phosphorus and osmium as elemental tags for the determination of global DNA methylation-“A novel application of high performance liquid chromatography inductively coupled plasma mass spectrometry in epigenetic studies. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010, 878, 609-614.	2.3	24
67	Application of reversed-phase high-performance liquid chromatography with fluorimetric detection for simultaneous assessment of global DNA and total RNA methylation in <i>Lepidium sativum</i> : effect of plant exposure to Cd(II) and Se(IV). <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 2397-2404.	3.7	24
68	Capabilities and limitations of different techniques in electrothermal atomic absorption spectrometry for direct monitoring of arsenic, cadmium and lead contamination of sea-water. <i>Journal of Analytical Atomic Spectrometry</i> , 1995, 10, 149-154.	3.0	23
69	Extraction of Sunset Yellow and Tartrazine by Ion-pair Formation With Adogen-464 and Their Simultaneous Determination by Bivariate Calibration and Derivative Spectrophotometry. <i>Analyst</i> , The, 1997, 122, 1575-1579.	3.5	23
70	The <i>Neurospora crassa</i> chr-1 gene is up-regulated by chromate and its encoded CHR-1 protein causes chromate sensitivity and chromium accumulation. <i>Current Genetics</i> , 2012, 58, 281-290.	1.7	23
71	Effect of Cd(ii) and Se(iv) exposure on cellular distribution of both elements and concentration levels of glyoxal and methylglyoxal in <i>Lepidium sativum</i> . <i>Metallomics</i> , 2013, 5, 1254.	2.4	23
72	Different approaches in metabolomic analysis of plants exposed to selenium: a comprehensive review. <i>Acta Physiologiae Plantarum</i> , 2020, 42, 1.	2.1	23

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73	Determination of chromium in biological fluids by electrothermal atomic absorption spectrometry using wall, platform and probe atomization from different graphite surfaces. <i>Journal of Analytical Atomic Spectrometry</i> , 1994, 9, 117-123.	3.0	22
74	Straightforward Synthetic Protocol for the Introduction of Stabilized Câ€¦Nucleophiles in the BODIPY Core for Advanced Sensing and Photonic Applications. <i>Chemistry - A European Journal</i> , 2015, 21, 1755-1764.	3.3	22
75	Synthesis of unsymmetrical bis-heterocycles containing the imidazo[2,1-b]thiazole framework and their benzo[d]fused analogues by an acid-free Groebkeâ€“Blackburnâ€“BienaymÃ© reaction. <i>Tetrahedron Letters</i> , 2016, 57, 3556-3560.	1.4	22
76	Determination of major and minor elements in Mexican red wines by microwave-induced plasma optical emission spectrometry, evaluating different calibration methods and exploring potential of the obtained data in the assessment of wine provenance. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2020, 164, 105754.	2.9	22
77	SEC-ICP-MS studies for elements binding to different molecular weight fractions of humic substances in compost extract obtained from urban solid waste. <i>Journal of Environmental Monitoring</i> , 2002, 4, 1010-1016.	2.1	21
78	Metallomics Approach to Trace Element Analysis in <i>Ustilago maydis</i> Using Cellular Fractionation, Atomic Absorption Spectrometry, and Size Exclusion Chromatography with ICP-MS Detection. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 5138-5143.	5.2	21
79	Determination of aspartame and phenylalanine in diet soft drinks by high-performance liquid chromatography with direct spectrofluorimetric detection. <i>Journal of Chromatography A</i> , 1997, 773, 163-168.	3.7	20
80	Effect of melatonin administration on DNA damage and repair responses in lymphocytes of rats subchronically exposed to lead. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2012, 742, 37-42.	1.7	20
81	Environmentally friendly sample treatment for speciation analysis by hyphenated techniques. <i>Green Chemistry</i> , 2003, 5, 250-259.	9.0	18
82	Determination of Small Phenolic Compounds in Tequila by Liquid Chromatography with Ion Trap Mass Spectrometry Detection. <i>Food Analytical Methods</i> , 2015, 8, 864-872.	2.6	18
83	Application of internal standard for derivative-spectrophotometric determination of azinphos-methyl in commercial formulations. <i>Talanta</i> , 1996, 43, 1055-1060.	5.5	17
84	Application of Internal Standard for Micro Extraction- Spectrophotometric Determination of Bismuth in Pharmaceutical Formulations. <i>Mikrochimica Acta</i> , 2000, 135, 87-90.	5.0	17
85	Exposure to organic solvents and cytogenetic damage in exfoliated cells of the buccal mucosa from shoe workers. <i>International Archives of Occupational and Environmental Health</i> , 2009, 82, 373-380.	2.3	17
86	Determination of total arsenic and speciation analysis in Mexican maize tortillas by hydride generation â€“ microwave plasma atomic emission spectrometry and high performance liquid chromatography â€“ inductively coupled plasma â€“ mass spectrometry. <i>Analytical Methods</i> , 2017, 9, 2059-2068.	2.7	17
87	The Heat Shock Protein 60 and Pap1 Participate in the <i>Sporothrix schenckii</i> -Host Interaction. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 960.	3.5	17
88	Analytical speciation of chromium in in-vitro cultures of chromate-resistant filamentous fungi. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 392, 269-276.	3.7	16
89	Pentachlorophenol sorption in nylon fiber and removal by immobilized <i>Rhizopus oryzae</i> ENHE. <i>Journal of Hazardous Materials</i> , 2011, 190, 707-712.	12.4	16
90	Methylglyoxal is associated with bacteriostatic activity of high fructose agave syrups. <i>Food Chemistry</i> , 2014, 165, 444-450.	8.2	16

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91	Effect of different glycation agents on Cu(II) binding to human serum albumin, studied by liquid chromatography, nitrogen microwave-plasma atomic-emission spectrometry, inductively-coupled-plasma mass spectrometry, and high-resolution molecular-mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 1149-1157.	3.7	16
92	<i>Allium cepa</i> L. Response to Sodium Selenite (Se(IV)) Studied in Plant Roots by a LC-MS-Based Proteomic Approach. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 3995-4004.	5.2	16
93	Micro Assay for Malondialdehyde in Human Serum by Extraction-Spectrophotometry Using an Internal Standard. <i>Mikrochimica Acta</i> , 2004, 148, 285-291.	5.0	15
94	Determination of 2-Mercaptobenzothiazole (MBT) in Tannery Wastewater by High Performance Liquid Chromatography with Amperometric Detection. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2004, 73, 818-824.	2.7	15
95	The determination of 3-nitrophenol and some other aromatic impurities in 4-nitrophenol by reversed phase HPLC with peak suppression diode array detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2000, 22, 295-300.	2.8	14
96	Occupational exposure to toluene and its possible causative role in renal damage development in shoe workers. <i>International Archives of Occupational and Environmental Health</i> , 2006, 79, 259-264.	2.3	14
97	Effect of inorganic matrices on the determination of cadmium by atomic-absorption spectrometry with electrothermal atomisation. <i>Analyst</i> , 1985, 110, 1141-1145.	3.5	13
98	Concentration and distribution of silicon in uremic serum and its relation to aluminium levels. <i>Journal of Analytical Atomic Spectrometry</i> , 1993, 8, 915-919.	3.0	13
99	The Application of Partial Least Squares Method (PLS) for Simultaneous Spectrophotometric Determination of Calcium and Magnesium in Human Serum. <i>Analytical Letters</i> , 1997, 30, 717-737.	1.8	13
100	Cr(VI) reduction by gluconolactone and hydrogen peroxide, the reaction products of fungal glucose oxidase: Cooperative interaction with organic acids in the biotransformation of Cr(VI). <i>Chemosphere</i> , 2015, 134, 563-570.	8.2	13
101	Studies on bioavailability of some bulk and trace elements in mexican tortilla using an in vitro model. <i>Biological Trace Element Research</i> , 1999, 68, 97-106.	3.5	12
102	Ribonucleosidelabeling with Os(vi): A methodological approach to evaluation of RNA methylation by HPLC-ICP-MS. <i>Metallomics</i> , 2010, 2, 140-146.	2.4	12
103	Effect of Cu(II) on in vitro glycation of human serum albumin by methylglyoxal: a LC-MS-based proteomic approach. <i>Metallomics</i> , 2017, 9, 132-140.	2.4	12
104	Determination of sulfonated azo dyes in chili powders by MALDI-TOF MS. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 5833-5843.	3.7	12
105	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
106	Simultaneous determination of uranium(IV) and thorium(IV) ions with Arsenazo III by partial least squares method. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1997, 220, 167-171.	1.5	11
107	Melatonin reduces lead levels in blood, brain and bone and increases lead excretion in rats subjected to subacute lead treatment. <i>Toxicology Letters</i> , 2015, 233, 78-83.	0.8	11
108	11 beta-hydroxysteroid dehydrogenase 2 promoter methylation is associated with placental protein expression in small for gestational age newborns. <i>Steroids</i> , 2017, 124, 60-66.	1.8	11

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109	Production of free radicals by the Co ²⁺ /Oxone system to carry out diclofenac degradation in aqueous medium. <i>Water Science and Technology</i> , 2018, 78, 2131-2140.	2.5	11
110	Impact of Cr(VI) on the oxidation of polyunsaturated fatty acids in <i>Helianthus annuus</i> roots studied by metabolomic tools. <i>Chemosphere</i> , 2019, 220, 442-451.	8.2	11
111	Antinociceptive and anti-inflammatory effects of <i>Cuphea aequipetala</i> Cav (Lythraceae). <i>Inflammopharmacology</i> , 2021, 29, 295-306.	3.9	11
112	Polycyclic aromatic hydrocarbons in urban tunnels of Guanajuato city (Mexico) measured in deposited dust particles and in transplanted lichen <i>Xanthoparmelia mexicana</i> (Gyeln.) Hale. <i>Environmental Science and Pollution Research</i> , 2016, 23, 11947-11956.	5.3	10
113	Changes of Metabolomic Profile in <i>Helianthus annuus</i> under Exposure to Chromium(VI) Studied by capHPLC-ESI-QTOF-MS and MS/MS. <i>Journal of Analytical Methods in Chemistry</i> , 2017, 2017, 1-18.	1.6	10
114	Pharmacological activities of <i>Asclepias curassavica</i> L. (Apocynaceae) aerial parts. <i>Journal of Ethnopharmacology</i> , 2021, 281, 114554.	4.1	10
115	Mahganese Determination In Blood Serum Using Electrothermal Atomic Absorption Spectrometry. <i>Analytical Letters</i> , 1989, 22, 1341-1354.	1.8	9
116	Molybdenum and Copper in Four Varieties of Common Bean (<i>Phaseolus vulgaris</i>): New Data of Potential Utility in Designing Healthy Diet for Diabetic Patients. <i>Biological Trace Element Research</i> , 2015, 163, 244-254.	3.5	9
117	C _{sp2} –Br bond activation of Br-pyridine by neophylpalladacycle: formation of binuclear seven-membered palladacycle and bipyridine species. <i>New Journal of Chemistry</i> , 2017, 41, 8729-8733.	2.8	9
118	LC-MS/MS proteomic analysis of starved <i>Bacillus subtilis</i> cells overexpressing ribonucleotide reductase (nr _d EF): implications in stress-associated mutagenesis. <i>Current Genetics</i> , 2018, 64, 215-222.	1.7	9
119	Liquid chromatography-mass spectrometry untargeted metabolomics reveals increased levels of tryptophan indole metabolites in urine of metabolic syndrome patients. <i>European Journal of Mass Spectrometry</i> , 2020, 26, 379-387.	1.0	9
120	Application of internal standard for micro extraction-spectrophotometric determination of copper in serum and in natural waters. <i>Analytica Chimica Acta</i> , 1999, 387, 217-224.	5.4	8
121	Advanced glycation end products and their receptors did not show any association with body mass parameters in metabolically healthy adolescents. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2018, 107, 2146-2151.	1.5	8
122	Effects of lead and lead–melatonin exposure on protein and gene expression of metal transporters, proteins and the copper/zinc ratio in rats. <i>BioMetals</i> , 2018, 31, 859-871.	4.1	8
123	Comparative Evaluation of Red Wine from Various European Regions Using Mass Spectrometry Tools. <i>Analytical Letters</i> , 2018, 51, 2645-2659.	1.8	8
124	Determination of aluminium and chromium in serum by atomic absorption spectrometry. <i>Fresenius' Journal of Analytical Chemistry</i> , 1992, 342, 740-743.	1.5	7
125	Indirect extraction-spectrophotometric determination of 2-(thiocyanomethylthiol)benzothiazole in chrome tanning liquors after its breakdown to 2-mercaptobenzothiazole. <i>Talanta</i> , 2002, 56, 515-521.	5.5	7
126	Organomegaly and tumors in transgenic mice with targeted expression of HpaI methyltransferase in smooth muscle cells. <i>Epigenetics</i> , 2011, 6, 333-343.	2.7	7

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127	Monitoring of Phosphorus Oxide Ion for Analytical Speciation of Phosphite and Phosphate in Transgenic Plants by High-Performance Liquid Chromatography-Inductively Coupled Plasma Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 6622-6628.	5.2	7
128	Determination of fatty acid methyl esters in cosmetic castor oils by flow injection-electrospray ionization-high-resolution mass spectrometry. <i>International Journal of Cosmetic Science</i> , 2018, 40, 295-302.	2.6	7
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