

Krystyna Pyrzynska

List of Publications by Year in descending order

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125
papers

6,537
citations

81434

41
h-index

78623

77
g-index

125
all docs

125
docs citations

125
times ranked

8767
citing authors

#	ARTICLE	IF	CITATIONS
1	Biosynthesis of selenium nanoparticles using plant extracts. <i>Journal of Nanostructure in Chemistry</i> , 2022, 12, 467-480.	5.3	72
2	Stability of selenium compounds in aqueous extracts of dietary supplements during storage. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 214, 114714.	1.4	6
3	The Influence of Synthesis Conditions on the Antioxidant Activity of Selenium Nanoparticles. <i>Molecules</i> , 2022, 27, 2486.	1.7	19
4	Polyphenols in Herbal Extracts. <i>Reference Series in Phytochemistry</i> , 2022, , 19-33.	0.2	0
5	Porphyrins as Chelating Agents for Molecular Imaging in Nuclear Medicine. <i>Molecules</i> , 2022, 27, 3311.	1.7	5
6	Hesperidin: A Review on Extraction Methods, Stability and Biological Activities. <i>Nutrients</i> , 2022, 14, 2387.	1.7	72
7	Selenium in plant foods: speciation analysis, bioavailability, and factors affecting composition. <i>Critical Reviews in Food Science and Nutrition</i> , 2021, 61, 1340-1352.	5.4	44
8	Extracts from pine and oak barks: phenolics, minerals and antioxidant potential. <i>International Journal of Environmental Analytical Chemistry</i> , 2021, 101, 464-472.	1.8	14
9	Analytical Problems in Separation of Selenomethionine and Its Oxidative Product in HILIC HPLC. <i>Molecules</i> , 2021, 26, 5073.	1.7	6
10	Magnetic hybrid nanoparticles modified with morin for the removal of Sc(III) from aqueous solutions. <i>Microchemical Journal</i> , 2021, 170, 106683.	2.3	0
11	Polyphenols in Herbal Extracts. <i>Reference Series in Phytochemistry</i> , 2021, , 1-15.	0.2	0
12	Determination of selenium species in beetroot juices. <i>Heliyon</i> , 2020, 6, e04194.	1.4	8
13	Polyphenols in Herbal Extracts. <i>Reference Series in Phytochemistry</i> , 2020, , 1-15.	0.2	0
14	Simultaneous determination of vitamin B6 and catechins in dietary supplements by ZIC-HILIC chromatography and their antioxidant interactions. <i>European Food Research and Technology</i> , 2020, 246, 1609-1615.	1.6	9
15	Nanomaterials in speciation analysis of metals and metalloids. <i>Talanta</i> , 2020, 212, 120784.	2.9	32
16	Herbal Beverages as a Source of Antioxidant Phenolics. , 2019, , 125-142.		2
17	Kinetics of scandium ion sorption onto oxidized carbon nanotubes. <i>Monatshefte für Chemie</i> , 2019, 150, 1569-1572.	0.9	5
18	Investigation of antioxidant activity of selenium compounds and their mixtures with tea polyphenols. <i>Molecular Biology Reports</i> , 2019, 46, 3019-3024.	1.0	40

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19	Liquid chromatographic analysis of selenium species in plant materials. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 111, 128-138.	5.8	34
20	Removal of cadmium from wastewaters with low-cost adsorbents. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 102795.	3.3	170
21	<i>Potentilla erecta</i> (L.) rhizomes as a source of phenolic acids. <i>Natural Product Research</i> , 2019, 33, 2128-2131.	1.0	7
22	HILIC Chromatography: Powerful Technique in the Analysis of Polyphenols. , 2019, , 341-351.		1
23	Chromatographic Analysis of Polyphenols. , 2019, , 353-364.		6
24	Screening of ionic liquids for extraction of flavonoids from heather. <i>Natural Product Research</i> , 2019, 33, 148-151.	1.0	6
25	Separation and purification of scandium: From industry to medicine. <i>Separation and Purification Reviews</i> , 2019, 48, 65-77.	2.8	30
26	Assessment of polyphenol content and antioxidant activity of oak bark extracts. <i>European Journal of Wood and Wood Products</i> , 2018, 76, 793-795.	1.3	30
27	Zwitterionic hydrophilic interaction liquid chromatography coupled to mass spectrometry for analysis of beetroot juice and antioxidant interactions between its bioactive compounds. <i>LWT - Food Science and Technology</i> , 2018, 93, 641-648.	2.5	15
28	Enrichment of scandium by carbon nanotubes in the presence of calcium matrix. <i>Microchemical Journal</i> , 2018, 137, 371-375.	2.3	7
29	Hydrophilic interaction liquid chromatography in the speciation analysis of selenium. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1074-1075, 8-15.	1.2	15
30	Mineral Composition of Wild and Cultivated Blueberries. <i>Biological Trace Element Research</i> , 2018, 181, 173-177.	1.9	25
31	Evaluation of Bioactive Compounds, Minerals and Antioxidant Activity of Lingonberry (<i>Vaccinium</i>) Tj ETQq1 1 0.784314 rgBT /Overloc 1.7 29		
32	Investigation of antioxidant interaction between Green tea polyphenols and acetaminophen using isobolographic analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 159, 393-397.	1.4	18
33	Sample Preparation for Chromatography with Nanomaterials. , 2018, , 233-252.		2
34	Ga(III) complex with morin for kidney cancer cell labelling. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3882.	1.7	6
35	Comparative Study of Sc(III) Sorption onto Carbon-based Materials. <i>Solvent Extraction and Ion Exchange</i> , 2017, 35, 450-459.	0.8	13
36	Phytochemical Properties and Antioxidant Activities of Extracts from Wild Blueberries and Lingonberries. <i>Plant Foods for Human Nutrition</i> , 2017, 72, 360-364.	1.4	62

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37	Biophenols and antioxidant activity in wild and cultivated heather. <i>Natural Product Research</i> , 2017, 31, 1181-1184.	1.0	11
38	Chromium redox speciation in food samples. <i>Turkish Journal of Chemistry</i> , 2016, 40, 894-905.	0.5	10
39	Application of Hydrophilic Interaction Liquid Chromatography for the Quantification of Flavonoids in <i>Genista tinctoria</i> Extract. <i>Journal of Analytical Methods in Chemistry</i> , 2016, 2016, 1-9.	0.7	13
40	Effects of brewing process on phenolic compounds and antioxidant activity of herbs. <i>Food Science and Biotechnology</i> , 2016, 25, 965-970.	1.2	24
41	A Novel Liquid-Liquid Extraction for the Determination of Nicotine in Tap Water, Wastewater, and Saliva at Trace Levels by GC-MS. <i>Journal of AOAC INTERNATIONAL</i> , 2016, 99, 806-812.	0.7	21
42	Application of solid phase extraction procedures for rare earth elements determination in environmental samples. <i>Talanta</i> , 2016, 154, 15-22.	2.9	69
43	Chlorogenic acids, caffeine content and antioxidant properties of green coffee extracts: influence of green coffee bean preparation. <i>European Food Research and Technology</i> , 2016, 242, 1403-1409.	1.6	146
44	The fast method of Cu-porphyrin complex synthesis for potential use in positron emission tomography imaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 159, 123-127.	2.0	17
45	Retention Study of Flavonoids Under Different Chromatographic Modes. <i>Journal of Chromatographic Science</i> , 2016, 54, 516-522.	0.7	12
46	Distribution and separation of metallic and radionuclidic impurities in the production of 18F-fluorodeoxyglucose. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016, 307, 1037-1043.	0.7	6
47	- Chromatographic Procedures in a Regulated Environment. , 2016, 49, 350-373.		2
48	Hydrophilic Interaction Chromatographic Analysis of Quercetin and its Glycosides. <i>Current Analytical Chemistry</i> , 2015, 12, 60-64.	0.6	3
49	Effect of pH and metal ions on DPPH radical scavenging activity of tea. <i>International Journal of Food Sciences and Nutrition</i> , 2015, 66, 58-62.	1.3	48
50	Polyphenolic Composition and Antioxidative Properties of Lemon Balm (<i>Melissa officinalis</i> L.) Extract Affected by Different Brewing Processes. <i>International Journal of Food Properties</i> , 2015, 18, 2009-2014.	1.3	24
51	Emissions of fluorides from welding processes. <i>Journal of Environmental Sciences</i> , 2015, 37, 179-183.	3.2	5
52	Application of Solid Sorbents for Enrichment and Separation of Platinum Metal Ions. <i>Environmental Science and Engineering</i> , 2015, , 67-78.	0.1	8
53	Recent Developments in the HPLC Separation of Phenolic Food Compounds. <i>Critical Reviews in Analytical Chemistry</i> , 2015, 45, 41-51.	1.8	55
54	Evaluation of Aluminium Complexation Reaction for Flavonoid Content Assay. <i>Food Analytical Methods</i> , 2014, 7, 1776-1782.	1.3	555

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55	Effects of the operation parameters on HILIC separation of flavonoids on zwitterionic column. <i>Talanta</i> , 2013, 115, 284-290.	2.9	37
56	Trace metals and flavonoids in different types of tea. <i>Food Science and Biotechnology</i> , 2013, 22, 925-930.	1.2	32
57	Application of free radical diphenylpicrylhydrazyl (DPPH) to estimate the antioxidant capacity of food samples. <i>Analytical Methods</i> , 2013, 5, 4288.	1.3	224
58	Use of nanomaterials in sample preparation. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 43, 100-108.	5.8	111
59	Stability of bioactive polyphenols from honey during different extraction methods. <i>Food Chemistry</i> , 2013, 136, 46-54.	4.2	100
60	Polyphenolic content and comparative antioxidant capacity of flavoured black teas. <i>International Journal of Food Sciences and Nutrition</i> , 2012, 63, 742-748.	1.3	7
61	Comparison of the Antioxidant Properties of Commonly Consumed Commercial Teas. <i>International Journal of Food Properties</i> , 2012, 15, 1101-1109.	1.3	16
62	Sorption Behavior of Cu(II), Pb(II), and Zn(II) onto Carbon Nanotubes. <i>Solvent Extraction and Ion Exchange</i> , 2012, 30, 41-53.	0.8	19
63	Sorbent materials for separation and preconcentration of gold in environmental and geological samples – A review. <i>Analytica Chimica Acta</i> , 2012, 741, 9-14.	2.6	27
64	Polymeric hydrogels modified with ornithine and lysine: Sorption and release of metal cations and amino acids. <i>Journal of Polymer Science Part A</i> , 2012, 50, 542-550.	2.5	27
65	Non-chromatographic speciation analysis of chromium in natural waters. <i>International Journal of Environmental Analytical Chemistry</i> , 2012, 92, 1262-1275.	1.8	20
66	Screening of the antioxidant properties and polyphenol composition of aromatised green tea infusions. <i>Journal of the Science of Food and Agriculture</i> , 2012, 92, 2244-2249.	1.7	33
67	Redox speciation of chromium using sorption-based systems. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 32, 100-112.	5.8	40
68	Carbon nanotubes as sorbents in the analysis of pesticides. <i>Chemosphere</i> , 2011, 83, 1407-1413.	4.2	161
69	Flavonoids as Analytical Reagents. <i>Critical Reviews in Analytical Chemistry</i> , 2011, 41, 335-345.	1.8	26
70	Interaction of quercetin with copper ions: complexation, oxidation and reactivity towards radicals. <i>BioMetals</i> , 2011, 24, 41-49.	1.8	104
71	Evaluation of the antioxidant properties of fruit and flavoured black teas. <i>European Journal of Nutrition</i> , 2011, 50, 681-688.	1.8	44
72	Sorption of Cd(II) onto carbon-based materials – a comparative study. <i>Mikrochimica Acta</i> , 2010, 169, 7-13.	2.5	28

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73	New poly(N-Î-acryloyl ornithine) gels cross-linked with N,N-Î-methylenebisacrylamide. Sorption properties. <i>Polymer</i> , 2010, 51, 2959-2964.	1.8	18
74	Carbon nanostructures for separation, preconcentration and speciation of metal ions. <i>TrAC - Trends in Analytical Chemistry</i> , 2010, 29, 718-727.	5.8	148
75	Comparative study of heavy metal ions sorption onto activated carbon, carbon nanotubes, and carbon-encapsulated magnetic nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 362, 102-109.	2.3	237
76	Application of Carbon Nanotubes as a Solid-Phase Extraction Material for Environmental Samples. , 2010, , 199-212.		1
77	Selenium speciation in enriched vegetables. <i>Food Chemistry</i> , 2009, 114, 1183-1191.	4.2	110
78	Analysis of phenolic acids and flavonoids in honey. <i>TrAC - Trends in Analytical Chemistry</i> , 2009, 28, 893-902.	5.8	255
79	Liquid chromatography/tandem mass spectrometry studies of the phenolic compounds in honey. <i>Journal of Chromatography A</i> , 2009, 1216, 6620-6626.	1.8	86
80	Analytical Procedures for Determination of Quercetin and its Glycosides in Plant Material. <i>Critical Reviews in Analytical Chemistry</i> , 2009, 39, 95-107.	1.8	38
81	Solid phase extraction of metal ions using carbon nanotubes. <i>Microchemical Journal</i> , 2008, 89, 29-33.	2.3	115
82	Carbon Nanotubes as a New Solid-Phase Extraction Material for Removal and Enrichment of Organic Pollutants in Water. <i>Separation and Purification Reviews</i> , 2008, 37, 372-389.	2.8	70
83	Chemical speciation and fractionation of metals in wine. <i>Chemical Speciation and Bioavailability</i> , 2007, 19, 1-8.	2.0	28
84	Online Sample Pretreatment Systems for Determination of Cadmium by the ETAAS Method. <i>Critical Reviews in Analytical Chemistry</i> , 2007, 37, 39-49.	1.8	19
85	Application of Carbon Sorbents for the Concentration and Separation of Metal Ions. <i>Analytical Sciences</i> , 2007, 23, 631-637.	0.8	86
86	On-line sorption-based systems for determination of cadmium with atomic spectrometry detectors. <i>Water Research</i> , 2007, 41, 2839-2851.	5.3	41
87	On-line enrichment system for manganese determination in water samples using FAAS. <i>Talanta</i> , 2007, 71, 406-410.	2.9	27
88	Determination of anti-inflammatory drugs and estrogens in water by HPLC with UV detection. <i>Journal of Separation Science</i> , 2007, 30, 985-991.	1.3	117
89	Analysis of phenolic acids in fruits by HPLC with monolithic columns. <i>Journal of Separation Science</i> , 2007, 30, 2929-2934.	1.3	29
90	Determination of molybdenum in environmental samples. <i>Analytica Chimica Acta</i> , 2007, 590, 40-48.	2.6	66

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91	Adsorption of heavy metal ions with carbon nanotubes. Separation and Purification Technology, 2007, 58, 49-52.	3.9	584
92	Sorption behavior of acidic herbicides on carbon nanotubes. Mikrochimica Acta, 2007, 159, 293-298.	2.5	79
93	Preconcentration and Recovery of Metal Ions by Donnan Dialysis. Mikrochimica Acta, 2006, 153, 117-126.	2.5	28
94	Application of cyclodextrins as modifiers in electrophoretic separation of metalloporphyrins. Journal of Separation Science, 2006, 29, 282-287.	1.3	2
95	The evaluation of carbon nanotubes as a sorbent for dicamba herbicide. Journal of Separation Science, 2006, 29, 2241-2244.	1.3	62
96	Sorption Behavior of Vanadium on Silica Gel Modified with Tetrakis(4-carboxyphenyl)porphyrin. Analytical Sciences, 2005, 21, 951-954.	0.8	7
97	Pre-concentration and separation of vanadium on Amberlite IRA-904 resin functionalized with porphyrin ligands. Analytica Chimica Acta, 2005, 540, 91-94.	2.6	36
98	Recent developments in the determination of gold by atomic spectrometry techniques. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2005, 60, 1316-1322.	1.5	91
99	Recent Developments in Spectrophotometric Methods for Determination of Vanadium. Mikrochimica Acta, 2005, 149, 159-164.	2.5	47
100	Comparison of Different Sorbents for Solid-Phase Extraction of Phenoxyalkanoic Acid Herbicides. Mikrochimica Acta, 2005, 150, 317-322.	2.5	37
101	Solid-Phase Extraction for Preconcentration and Separation of Vanadium Species in Natural Waters. Mikrochimica Acta, 2004, 147, 59-64.	2.5	43
102	Analytical Methods for the Determination of Trace Metals in Wine. Critical Reviews in Analytical Chemistry, 2004, 34, 69-83.	1.8	68
103	Determination of vanadium species in environmental samples. Talanta, 2004, 64, 823-829.	2.9	130
104	Kinetic Study of Metals Sorption on a Resin Modified with Tetrakis(carboxyphenyl)Porphyrin. Mikrochimica Acta, 2003, 142, 67-70.	2.5	5
105	Capillary electrophoretic determination of inorganic selenium species. Journal of Chromatography A, 2003, 984, 291-295.	1.8	19
106	Spectrophotometric study of Cd(II), Pb(II), Hg(II) and Zn(II) complexes with 5,10,15,20-tetrakis(4-carboxylphenyl)porphyrin. Talanta, 2003, 60, 669-678.	2.9	66
107	Application of 5,10,15,20-Tetrakis(4-carboxyphenyl)porphine for Cadmium Preconcentration in Flow-Injection System.. Analytical Sciences, 2002, 18, 571-574.	0.8	10
108	On-Line Coupling of Solid Phase Extraction Sample Processing with High-Performance Liquid Chromatography. Critical Reviews in Analytical Chemistry, 2002, 32, 227-243.	1.8	30

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109	Determination of Selenium Species in Environmental Samples. <i>Mikrochimica Acta</i> , 2002, 140, 55-62.	2.5	98
110	Analysis of selenium species by capillary electrophoresis. <i>Talanta</i> , 2001, 55, 657-667.	2.9	66
111	ON-LINE PRECONCENTRATION SYSTEM WITH FAAS DETECTION FOR DETERMINATION OF CADMIUM. <i>Analytical Letters</i> , 2001, 34, 2153-2158.	1.0	3
112	Preconcentration of metal ions on porphyrin-modified sorbents as pretreatment step in AAS determination. <i>Fresenius' Journal of Analytical Chemistry</i> , 2001, 371, 1076-1078.	1.5	9
113	Determination of Mercury by Cold-Vapor Atomic Absorption Spectrometry with Preconcentration on a Gold-Trap.. <i>Analytical Sciences</i> , 2000, 16, 1309-1312.	0.8	126
114	Lead determination with on-line enrichment system. <i>Water Research</i> , 2000, 34, 4215-4219.	5.3	12
115	Flow-injection speciation of aluminium. <i>Water Research</i> , 2000, 34, 359-365.	5.3	37
116	Functionalized Cellulose Sorbents for Preconcentration of Trace Metals in Environmental Analysis. <i>Critical Reviews in Analytical Chemistry</i> , 1999, 29, 313-321.	1.8	198
117	Solid-Phase Extraction of Trace Amounts of Selenomethionine. <i>Analytical Letters</i> , 1998, 31, 1777-1786.	1.0	7
118	Speciation of Selenium Compounds.. <i>Analytical Sciences</i> , 1998, 14, 479-483.	0.8	65
119	Spectrophotometric Determination of Selenium with 1-Naphthylamine-7-sulfonic Acid.. <i>Analytical Sciences</i> , 1997, 13, 629-632.	0.8	15
120	Chemical speciation by flow-injection analysis. A review. <i>Talanta</i> , 1996, 43, 825-838.	2.9	35
121	Organolead speciation in environmental samples: a review. <i>Mikrochimica Acta</i> , 1996, 122, 279-293.	2.5	24
122	SOLID PHASE EXTRACTION FOR PRECONCENTRATION AND SEPARATION OF SELENIUM SPECIES. <i>Solvent Extraction and Ion Exchange</i> , 1995, 13, 369-389.	0.8	16
123	Flame AAS determination of lead in water with flow-injection preconcentration and speciation using functionalized cellulose sorbent. <i>Talanta</i> , 1995, 42, 851-860.	2.9	63
124	Atomic absorption spectrophotometric determination of gold with preconcentration by Donnan dialysis. <i>Talanta</i> , 1994, 41, 381-386.	2.9	14
125	Membrane method for preconcentrating and separating gold complexes from aqueous solutions containing other platinum group metals. <i>Analytica Chimica Acta</i> , 1991, 255, 169-175.	2.6	19