

Paweł, Pohl

List of Publications by Year in descending order

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Determination of metal content in honey by atomic absorption and emission spectrometries. TrAC - Trends in Analytical Chemistry, 2009, 28, 117-128.	11.4	292
2	What do metals tell us about wine?. TrAC - Trends in Analytical Chemistry, 2007, 26, 941-949.	11.4	184
3	Elemental analysis of teas and their infusions by spectrometric methods. TrAC - Trends in Analytical Chemistry, 2012, 35, 165-181.	11.4	134
4	Hydride generation "recent advances in atomic emission spectrometry. TrAC - Trends in Analytical Chemistry, 2004, 23, 87-101.	11.4	130
5	Flowing Liquid Anode Atmospheric Pressure Glow Discharge as an Excitation Source for Optical Emission Spectrometry with the Improved Detectability of Ag, Cd, Hg, Pb, Tl, and Zn. Analytical Chemistry, 2016, 88, 8812-8820.	6.5	111
6	Bioaccessibility of essential elements from white cheese, bread, fruit and vegetables. Talanta, 2011, 86, 425-428.	5.5	95
7	Development of direct-current, atmospheric-pressure, glow discharges generated in contact with flowing electrolyte solutions for elemental analysis by optical emission spectrometry. TrAC - Trends in Analytical Chemistry, 2012, 41, 105-121.	11.4	87
8	The improvement of the analytical performance of direct current atmospheric pressure glow discharge generated in contact with the small-sized liquid cathode after the addition of non-ionic surfactants to electrolyte solutions. Talanta, 2013, 108, 74-82.	5.5	79
9	Characterisation of honeys according to their content of phenolic compounds using high performance liquid chromatography/tandem mass spectrometry. Food Chemistry, 2014, 145, 404-408.	8.2	79
10	Green Synthesis of Silver Nanoparticles Using Astragalus tribuloides Delile. Root Extract: Characterization, Antioxidant, Antibacterial, and Anti-Inflammatory Activities. Nanomaterials, 2020, 10, 2383.	4.1	79
11	Analysis for selenium speciation in selenized yeast extracts by two-dimensional liquid chromatography with ICP-MS and electrospray MS-MS detection. Journal of Analytical Atomic Spectrometry, 2001, 16, 68-73.	3.0	76
12	Recent advances in chemical vapour generation via reaction with sodium tetrahydroborate. TrAC - Trends in Analytical Chemistry, 2004, 23, 21-27.	11.4	72
13	Investigation of arsenic speciation in oyster test reference material by multidimensional HPLC-ICP-MS and electrospray tandem mass spectrometry (ES-MS-MS). Analyst, The, 2001, 126, 1055-1062.	3.5	70
14	Determination of the Elemental Composition of Coffee Using Instrumental Methods. Food Analytical Methods, 2013, 6, 598-613.	2.6	70
15	Atmospheric Pressure Glow Discharges Generated in Contact with Flowing Liquid Cathode: Production of Active Species and Application in Wastewater Purification Processes. Plasma Chemistry and Plasma Processing, 2014, 34, 25-37.	2.4	68
16	Multidimensional liquid chromatography with parallel ICP MS and electrospray MS/MS detection as a tool for the characterization of arsenic species in algae. Analytical and Bioanalytical Chemistry, 2002, 372, 457-466.	3.7	67
17	Critical evaluation of recent achievements in low power glow discharge generated at atmospheric pressure between a flowing liquid cathode and a metallic anode for element analysis by optical emission spectrometry. TrAC - Trends in Analytical Chemistry, 2017, 88, 119-133.	11.4	67
18	Chemical vapor generation of noble metals for analytical spectrometry. Analytical and Bioanalytical Chemistry, 2007, 388, 753-762.	3.7	64

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19	Complementarity of multidimensional HPLC-ICP-MS and electrospray MS-MS for speciation analysis of arsenic in algae. <i>Analytica Chimica Acta</i> , 2001, 440, 3-16.	5.4	62
20	An analytical performance of atmospheric pressure glow discharge generated in contact with flowing small size liquid cathode. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 1032.	3.0	61
21	The determination of elements in herbal teas and medicinal plant formulations and their tisanes. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 130, 326-335.	2.8	60
22	On the transport of some metals into inductively coupled plasma during hydride generation process. <i>Analytica Chimica Acta</i> , 2001, 429, 135-143.	5.4	56
23	Recent achievements in chemical hydride generation inductively coupled and microwave induced plasmas with optical emission spectrometry detection. <i>Journal of Analytical Atomic Spectrometry</i> , 2011, 26, 1317.	3.0	56
24	Study of chemical and spectral interferences in the simultaneous determination of As, Bi, Sb, Se and Sn by hydride generation inductively coupled plasma atomic emission spectrometry. <i>Analytica Chimica Acta</i> , 2002, 468, 71-79.	5.4	54
25	Preparation and characterization of gold nanoparticles prepared with aqueous extracts of Lamiaceae plants and the effect of follow-up treatment with atmospheric pressure glow microdischarge. <i>Arabian Journal of Chemistry</i> , 2019, 12, 4118-4130.	4.9	54
26	Pre-concentration of Cd, Co, Cu, Ni and Zn using different off-line ion exchange procedures followed by the inductively coupled plasma atomic emission spectrometric detection. <i>Analytica Chimica Acta</i> , 2004, 502, 83-90.	5.4	53
27	Sensitive Determination of Cd in Small-Volume Samples by Miniaturized Liquid Drop Anode Atmospheric Pressure Glow Discharge Optical Emission Spectrometry. <i>Analytical Chemistry</i> , 2017, 89, 5729-5733.	6.5	53
28	On the coupling of hydride generation with atmospheric pressure glow discharge in contact with the flowing liquid cathode for the determination of arsenic, antimony and selenium with optical emission spectrometry. <i>Talanta</i> , 2015, 137, 11-17.	5.5	52
29	Evaluation and application of argon and helium microstrip plasma for the determination of mercury by the cold vapor technique and optical emission spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 388, 1615-1623.	3.7	48
30	Suitability of three-dimensional synchronous fluorescence spectroscopy for fingerprint analysis of honey samples with reference to their phenolic profiles. <i>Food Chemistry</i> , 2014, 145, 319-326.	8.2	48
31	The recovery of gold from the aqua regia leachate of electronic parts using a core-shell type anion exchange resin. <i>Journal of Saudi Chemical Society</i> , 2017, 21, 741-750.	5.2	48
32	Comparison of strategies for sample preparation prior to spectrometric measurements for determination and speciation of arsenic in rice. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 65, 122-136.	11.4	47
33	In-situ generation of Ag, Cd, Hg, In, Pb, Tl and Zn volatile species by flowing liquid anode atmospheric pressure glow discharge operated in gaseous jet mode - Evaluation of excitation processes and analytical performance. <i>Talanta</i> , 2019, 199, 107-115.	5.5	47
34	The content of Ca, Cu, Fe, Mg and Mn and antioxidant activity of green coffee brews. <i>Food Chemistry</i> , 2015, 182, 302-308.	8.2	46
35	Developments and strategies in the spectrochemical elemental analysis of fruit juices. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 55, 68-80.	11.4	44
36	Direct elemental analysis of honeys by atmospheric pressure glow discharge generated in contact with a flowing liquid cathode. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 154-161.	3.0	44

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37	Phytofabrication of Silver Nanoparticles (AgNPs) with Pharmaceutical Capabilities Using <i>Otostegia persica</i> (Burm.) Boiss. Leaf Extract. <i>Nanomaterials</i> , 2021, 11, 1045.	4.1	43
38	Fractionation analysis of manganese and zinc in tea infusions by two-column solid phase extraction and flame atomic absorption spectrometry. <i>Food Chemistry</i> , 2007, 102, 1415-1424.	8.2	42
39	Synthesis of Biogenic Silver Nanoparticles (AgCl-NPs) Using a <i>Pulicaria vulgaris</i> Gaertn. Aerial Part Extract and Their Application as Antibacterial, Antifungal and Antioxidant Agents. <i>Nanomaterials</i> , 2020, 10, 638.	4.1	42
40	Bioaccessibility of Ca, Cu, Fe, Mg, Mn and Zn from commercial bee honeys. <i>Food Chemistry</i> , 2012, 134, 392-396.	8.2	41
41	Comparison of the characteristics of gold nanoparticles synthesized using aqueous plant extracts and natural plant essential oils of <i>Eucalyptus globulus</i> and <i>Rosmarinus officinalis</i> . <i>Arabian Journal of Chemistry</i> , 2019, 12, 4795-4805.	4.9	40
42	Effect of the addition of non-ionic surfactants on the emission characteristic of direct current atmospheric pressure glow discharge generated in contact with a flowing liquid cathode. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 28, 134-141.	3.0	39
43	A comparison of samples preparation strategies in the multi-elemental analysis of tea by spectrometric methods. <i>Food Research International</i> , 2013, 53, 922-930.	6.2	39
44	Chemical-vapor generation of transition metals through the reaction with tetrahydroborate in recent achievements in analytical atomic spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 59, 144-155.	11.4	39
45	Determination and fractionation of metals in beer: A review. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2008, 25, 693-703.	2.3	38
46	Determination and Fractionation of Metals in Honey. <i>Critical Reviews in Analytical Chemistry</i> , 2009, 39, 276-288.	3.5	38
47	Study of chemical vapour generation of Au, Pd and Pt by inductively coupled plasma atomic emission spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2001, 16, 1442-1445.	3.0	37
48	Determination of essential and non-essential elements in green and black teas by FAAS and ICP OES simplified " multivariate classification of different tea products. <i>Microchemical Journal</i> , 2015, 121, 122-129.	4.5	37
49	Influence of pH and low-molecular weight organic compounds in solution on selected spectroscopic and analytical parameters of flowing liquid anode atmospheric pressure glow discharge (FLA-APGD) for the optical emission spectrometric (OES) determination of Ag, Cd, and Pb. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 437-451.	3.0	37
50	Fractionation of calcium and magnesium in honeys, juices and tea infusions by ion exchange and flame atomic absorption spectrometry. <i>Talanta</i> , 2006, 69, 1227-1233.	5.5	35
51	Simultaneous determination of hydride- and non-hydride-forming elements by inductively coupled plasma optical emission spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2010, 29, 1376-1389.	11.4	35
52	Direct multi-element analysis of crude oils and gas condensates by double-focusing sector field inductively coupled plasma mass spectrometry (ICP MS). <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 704.	3.0	35
53	Optical emission spectrometric determination of arsenic and antimony by continuous flow chemical hydride generation and a miniaturized microwave microstrip argon plasma operated inside a capillary channel in a sapphire wafer. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2007, 62, 444-453.	2.9	34
54	Different Aspects of the Elemental Analysis of Honey by Flame Atomic Absorption and Emission Spectrometry: A Review. <i>Food Analytical Methods</i> , 2012, 5, 737-751.	2.6	34

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55	Comparison of the performance of direct current atmospheric pressure glow microdischarges operated between a small sized flowing liquid cathode and miniature argon or helium flow microjets. <i>Journal of Analytical Atomic Spectrometry</i> , 2013, 28, 1233.	3.0	34
56	The influence of stabilizers on the production of gold nanoparticles by direct current atmospheric pressure glow microdischarge generated in contact with liquid flowing cathode. <i>Journal of Nanoparticle Research</i> , 2015, 17, 185.	1.9	33
57	The Impact of Surface Functionalization on the Biophysical Properties of Silver Nanoparticles. <i>Nanomaterials</i> , 2019, 9, 973.	4.1	33
58	Mitigating the impact of mercury contaminants in fish and other seafood – A review. <i>Marine Pollution Bulletin</i> , 2021, 171, 112710.	5.0	33
59	On the Applicability of Duolite GT-73 to Column Preconcentration of Gold and Palladium Prior to Determination by Inductively Coupled Plasma Atomic Emission Spectrometry. <i>Mikrochimica Acta</i> , 2005, 150, 159-165.	5.0	32
60	Application of TLC and LA ICP SF MS for speciation of S, Ni and V in petroleum samples. <i>Talanta</i> , 2012, 97, 574-578.	5.5	32
61	Analytical features of Au, Pd and Pt chemical vapour generation inductively coupled plasma atomic emission spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2003, 18, 798.	3.0	31
62	Determination of Ca, Mg, Fe and Zn partitioning in UHT cow milks by two-column ion exchange and flame atomic absorption spectrometry detection. <i>Talanta</i> , 2007, 71, 715-721.	5.5	31
63	Characterization of a microwave microstrip helium plasma with gas-phase sample introduction for the optical emission spectrometric determination of bromine, chlorine, sulfur and carbon using a miniaturized optical fiber spectrometer. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2008, 63, 415-421.	2.9	31
64	Optimization and comparison of chemical and electrochemical hydride generation for optical emission spectrometric determination of arsenic and antimony using a novel miniaturized microwave induced argon plasma exiting the microstrip wafer. <i>Analytica Chimica Acta</i> , 2008, 606, 9-18.	5.4	31
65	Evaluation of the Total Content and the Operationally Defined Species of Copper in Beers and Wines. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 9378-9384.	5.2	31
66	A comparative study of element concentrations and binding in transgenic and non-transgenic soybean seeds. <i>Metallomics</i> , 2010, 2, 800.	2.4	31
67	Application of ion-exchange resins to the fractionation of metals in water. <i>TrAC - Trends in Analytical Chemistry</i> , 2006, 25, 31-43.	11.4	30
68	Enhancement of emission from indium in flowing liquid anode atmospheric pressure glow discharge using organic media. <i>Talanta</i> , 2019, 204, 304-309.	5.5	30
69	Determination of bismuth by optical emission spectrometry with liquid anode/cathode atmospheric pressure glow discharge. <i>Journal of Analytical Atomic Spectrometry</i> , 2021, 36, 165-177.	3.0	30
70	Study of the reaction of Ir, Os, Rh and Ru ions with NaBH ₄ in the acid medium by the inductively coupled plasma atomic emission spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2002, 17, 746-749.	3.0	29
71	The effect of a miniature argon flow rate on the spectral characteristics of a direct current atmospheric pressure glow micro-discharge between an argon microjet and a small sized flowing liquid cathode. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2012, 73, 26-34.	2.9	29
72	Antibacterial Activity of Fructose-Stabilized Silver Nanoparticles Produced by Direct Current Atmospheric Pressure Glow Discharge towards Quarantine Pests. <i>Nanomaterials</i> , 2018, 8, 751.	4.1	29

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73	Direct determination of the total concentrations of copper, iron and manganese and their fractionation forms in freshly ripened honeys by means of flame atomic absorption spectrometry. <i>Mikrochimica Acta</i> , 2010, 168, 9-15.	5.0	28
74	Five years of innovations in development of glow discharges generated in contact with liquids for spectrochemical elemental analysis by optical emission spectrometry. <i>Analytica Chimica Acta</i> , 2021, 1169, 338399.	5.4	28
75	The Influence of Cold Atmospheric Pressure Plasma-Treated Media on the Cell Viability, Motility, and Induction of Apoptosis in Human Non-Metastatic (MCF7) and Metastatic (MDA-MB-231) Breast Cancer Cell Lines. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3855.	4.1	27
76	Fractionation analysis of manganese and zinc in beers by means of two sorbent column system and flame atomic absorption spectrometry. <i>Talanta</i> , 2007, 71, 1616-1623.	5.5	26
77	Comparison of the cold vapor generation using NaBH ₄ and SnCl ₂ as reducing agents and atomic emission spectrometry for the determination of Hg with a microstrip microwave induced argon plasma exiting from the wafer. <i>Mikrochimica Acta</i> , 2008, 161, 175-184.	5.0	26
78	Coupling of cold vapor generation with an atmospheric pressure glow microdischarge sustained between a miniature flow helium jet and a flowing liquid cathode for the determination of mercury by optical emission spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 893-902.	3.0	26
79	Cold atmospheric plasma-induced chemical vapor generation in trace element analysis by spectrometric methods. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 113, 234-245.	11.4	26
80	Multielement molecular size fractionation in crude oil and oil residue by size exclusion microchromatography with high resolution inductively coupled plasma mass spectrometric detection (HR ICP MS). <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 1974.	3.0	25
81	Size-controlled synthesis of gold nanoparticles by a novel atmospheric pressure glow discharge system with a metallic pin electrode and a flowing liquid electrode. <i>RSC Advances</i> , 2016, 6, 80773-80783.	3.6	25
82	Trace-level determination and insight in speciation of silicon in petrochemical samples by flow-injection high resolution ICP MS and HPLC-high resolution ICP MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 1461.	3.0	24
83	Direct analysis of honey for the total content of Zn and its fractionation forms by means of flame atomic absorption spectrometry with solid phase extraction and ultrafiltration approaches. <i>Food Chemistry</i> , 2011, 125, 1504-1509.	8.2	24
84	On the coupling of hydride generation (HG) with flowing liquid anode atmospheric pressure glow discharge (FLA-APGD) for determination of traces of As, Bi, Hg, Sb and Se by optical emission spectrometry (OES). <i>Talanta</i> , 2021, 222, 121510.	5.5	24
85	Application of tandem column solid phase extraction and flame atomic absorption spectrometry for the determination of inorganic and organically bound forms of iron in wine. <i>Talanta</i> , 2009, 77, 1732-1738.	5.5	23
86	The suitability of the simplified method of the analysis of coffee infusions on the content of Ca, Cu, Fe, Mg, Mn and Zn and the study of the effect of preparation conditions on the leachability of elements into the coffee brew. <i>Food Chemistry</i> , 2013, 141, 1956-1961.	8.2	23
87	Reduction of spectral interferences in atmospheric pressure glow discharge optical emission spectrometry. <i>Microchemical Journal</i> , 2017, 130, 7-13.	4.5	23
88	Chemical fractionation of Cu, Fe and Mn in canned Polish beers. <i>Journal of Food Composition and Analysis</i> , 2010, 23, 86-94.	3.9	22
89	Application of Direct Current Atmospheric Pressure Glow Microdischarge Generated in Contact with a Flowing Liquid Solution for Synthesis of Au-Ag Core-Shell Nanoparticles. <i>Materials</i> , 2016, 9, 268.	2.9	22
90	Recent achievements in element analysis of bee honeys by atomic and mass spectrometry methods. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 93, 67-77.	11.4	22

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91	Molecular reactors for synthesis of polymeric nanocomposites with noble metal nanoparticles for catalytic decomposition of 4-nitrophenol. <i>Journal of Colloid and Interface Science</i> , 2019, 541, 226-233.	9.4	22
92	A miniaturized atmospheric pressure glow microdischarge system generated in contact with a hanging drop electrode – a new approach to spectrochemical analysis of liquid microsamples. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 1287-1293.	3.0	22
93	Study and reduction of matrix effects in flowing liquid anode - Atmospheric pressure glow discharge - Optical emission spectrometry. <i>Analytica Chimica Acta</i> , 2020, 1123, 81-90.	5.4	22
94	Impact and practicability of recently introduced requirements on elemental impurities. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 101, 43-55.	11.4	21
95	Application of Silver Nanostructures Synthesized by Cold Atmospheric Pressure Plasma for Inactivation of Bacterial Phytopathogens from the Genera <i>Dickeya</i> and <i>Pectobacterium</i> . <i>Materials</i> , 2018, 11, 331.	2.9	21
96	Room temperature solvent extraction for simple and fast determination of total concentration of Ca, Cu, Fe, Mg, Mn, and Zn in bee pollen by FAAS along with assessment of the bioaccessible fraction of these elements using in vitro gastrointestinal digestion. <i>Journal of Trace Elements in Medicine and Biology</i> , 2020, 60, 126479.	3.0	21
97	Application of cold atmospheric pressure plasmas for high-throughput production of safe-to-consume beetroot juice with improved nutritional quality. <i>Food Chemistry</i> , 2021, 336, 127635.	8.2	21
98	Fractionation analysis of metals in dietary samples using ion-exchange and adsorbing resins. <i>TrAC - Trends in Analytical Chemistry</i> , 2007, 26, 713-726.	11.4	20
99	Multielement analysis of petroleum samples by laser ablation double focusing sector field inductively coupled plasma mass spectrometry (LA-ICP MS). <i>Journal of Analytical Atomic Spectrometry</i> , 2011, 26, 618-622.	3.0	20
100	Spectroscopic evaluation of a low power atmospheric pressure mixed argon-helium microwave induced plasma combined with the chemical generation of volatile species for the optical emission spectrometric determination of arsenic, antimony and mercury. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 1772.	3.0	20
101	Fast method of elements determination in slim coffees by ICP OES. <i>Food Chemistry</i> , 2014, 146, 220-225.	8.2	20
102	Potential of the hydride generation technique coupled to inductively coupled plasma optical emission spectrometry for non-chromatographic As speciation. <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 1766-1779.	3.0	20
103	Separation of Re(VII) from Mo(VI) by anion exchange resins synthesized using microwave heat. <i>Hydrometallurgy</i> , 2019, 185, 12-22.	4.3	20
104	Preconcentration of Mercury Using Duolite GT-73 in the Analysis of Water Samples by Inductively Coupled Plasma Atomic Emission Spectrometry. <i>Analytical Sciences</i> , 2004, 20, 1367-1370.	1.6	19
105	Application of Metalfix Chelamine prior to the determination of noble metals by the inductively coupled plasma atomic emission spectrometry. <i>Talanta</i> , 2005, 67, 155-161.	5.5	19
106	Solid phase extraction with flame atomic absorption spectrometry for determination of traces of Ca, K, Mg and Na in quality control of white sugar. <i>Food Chemistry</i> , 2012, 130, 441-446.	8.2	19
107	Simplified sample treatment for the determination of total concentrations and chemical fractionation forms of Ca, Fe, Mg and Mn in soluble coffees. <i>Food Chemistry</i> , 2014, 163, 31-36.	8.2	19
108	Simple and versatile operational fractionation of Fe and Zn in dietary products by solid phase extraction on ion exchange resins. <i>Talanta</i> , 2007, 71, 411-418.	5.5	18

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109	Advances in assessing the elemental composition of distilled spirits using atomic spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 64, 127-135.	11.4	18
110	A simplified determination of total concentrations of Ca, Fe, Mg and Mn in addition to their bioaccessible fraction in popular instant coffee brews. <i>Food Chemistry</i> , 2016, 197, 388-394.	8.2	18
111	Surface-activated anion exchange resins for synthesis and immobilization of gold and palladium nano- and microstructures. <i>Reactive and Functional Polymers</i> , 2018, 124, 90-103.	4.1	18
112	Spectroscopic and analytical characteristics of an inductively coupled argon plasma combined with hydride generation with or without simultaneous introduction of the sample aerosol for optical emission spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 537-545.	3.7	17
113	Speciation and Fractionation of Elements in Tea Infusions. <i>Critical Reviews in Analytical Chemistry</i> , 2012, 42, 349-365.	3.5	17
114	The effect of pH of plating bath on electrodeposition and properties of protective ternary Zn-Fe-Mo alloy coatings. <i>Surface and Coatings Technology</i> , 2016, 299, 81-89.	4.8	17
115	Ultrasonic nebulization atmospheric pressure glow discharge – Preliminary study. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2016, 121, 22-27.	2.9	17
116	Determination of the total cadmium, copper, lead and zinc concentrations and their labile species fraction in apple beverages by flow-through anodic stripping chronopotentiometry. <i>Food Chemistry</i> , 2017, 225, 220-229.	8.2	17
117	Activation of the Normal Human Skin Cells by a Portable Dielectric Barrier Discharge-Based Reaction-Discharge System of a Defined Gas Temperature. <i>Plasma Chemistry and Plasma Processing</i> , 2020, 40, 79-97.	2.4	17
118	Ion-exchange column chromatography – an attempt to speciate arsenic. <i>TrAC - Trends in Analytical Chemistry</i> , 2004, 23, 63-69.	11.4	16
119	Determination of traces of copper and zinc in honeys by the solid phase extraction pre-concentration followed by the flame atomic absorption spectrometry detection. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 6145-6155.	2.7	16
120	Extraction of molybdenum(VI) from sulfate media by 3-pyridineketoxime and its quaternary salts. <i>Separation and Purification Technology</i> , 2016, 158, 71-79.	7.9	16
121	Direct current atmospheric pressure glow discharge generated between a pin-type solid cathode and a flowing liquid anode as a new tool for silver nanoparticles production. <i>Plasma Processes and Polymers</i> , 2017, 14, 1600251.	3.0	16
122	Hydrogel-based nanocomposite catalyst containing uncoated gold nanoparticles synthesized using cold atmospheric pressure plasma for the catalytic decomposition of 4-nitrophenol. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 582, 123886.	4.7	16
123	Improvement of Determination of Trace Amounts of Arsenic and Selenium in Slim Coffee Products by HG-ICP-OES. <i>Food Analytical Methods</i> , 2014, 7, 1016-1023.	2.6	15
124	Determination of mercury in mosses by novel cold vapor generation atmospheric pressure glow microdischarge optical emission spectrometry after multivariate optimization. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 1743-1751.	3.0	15
125	Production of gold nanoparticles using atmospheric pressure glow microdischarge generated in contact with a flowing liquid cathode – a design of experiments study. <i>RSC Advances</i> , 2015, 5, 90534-90541.	3.6	15
126	Rapid eradication of bacterial phytopathogens by atmospheric pressure glow discharge generated in contact with a flowing liquid cathode. <i>Biotechnology and Bioengineering</i> , 2018, 115, 1581-1593.	3.3	15

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127	Decolorization of organic dyes solution by atmospheric pressure glow discharge system working in a liquid flow-through mode. <i>Plasma Processes and Polymers</i> , 2018, 15, 1700083.	3.0	15
128	Simple ICP-OES based method for determination of selected elements in brewed ground and soluble coffees prior to evaluation of their intake and chemical fractionation. <i>Food Chemistry</i> , 2018, 263, 171-179.	8.2	15
129	Pulse-Modulated Radio-Frequency Alternating-Current-Driven Atmospheric-Pressure Glow Discharge for Continuous-Flow Synthesis of Silver Nanoparticles and Evaluation of Their Cytotoxicity toward Human Melanoma Cells. <i>Nanomaterials</i> , 2018, 8, 398.	4.1	15
130	Teucrium polium (L.): Phytochemical Screening and Biological Activities at Different Phenological Stages. <i>Molecules</i> , 2022, 27, 1561.	3.8	15
131	Preconcentration and Fractionation of Cd, Co, Cu, Ni, Pb and Zn in Natural Water Samples Prior to Analysis by Inductively Coupled Plasma Atomic Emission Spectrometry. <i>Mikrochimica Acta</i> , 2005, 150, 253-259.	5.0	14
132	Multi-element analysis of bread, cheese, fruit and vegetables by double-focusing sector-field inductively coupled plasma mass spectrometry. <i>Analytical Methods</i> , 2011, 3, 2115.	2.7	14
133	Simple and Fast Sample Preparation Procedure Prior to Multi-element Analysis of Slim Teas by ICP OES. <i>Food Analytical Methods</i> , 2014, 7, 2051-2063.	2.6	14
134	Comparison and Validation of Different Alternative Sample Preparation Procedures of Tea Infusions Prior to Their Multi-Element Analysis by FAAS and ICP OES. <i>Food Analytical Methods</i> , 2016, 9, 1398-1411.	2.6	14
135	Critical evaluation of strategies for single and simultaneous determinations of As, Bi, Sb and Se by hydride generation inductively coupled plasma optical emission spectrometry. <i>Talanta</i> , 2017, 167, 217-226.	5.5	14
136	Non-Chromatographic Speciation of As by HG Technique – Analysis of Samples with Different Matrices. <i>Molecules</i> , 2020, 25, 4944.	3.8	14
137	Application of Oil-in-Water Nanoemulsion Carrying Size-Defined Gold Nanoparticles Synthesized by Non-thermal Plasma for the Human Breast Cancer Cell Lines Migration and Apoptosis. <i>Plasma Chemistry and Plasma Processing</i> , 2020, 40, 1037-1062.	2.4	14
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