Pawel Pohl

List of Publications by Year in Descending Order

219 papers	4,541 citations	36 h-index	53 g-index
232 ext. papers	5,135 ext. citations	5.6 avg, IF	6.36 L-index

#	Paper	IF	Citations
219	Response surface methodology assisted development of a simplified sample preparation procedure for the multielement (Ba, Ca, Cu, Fe, K, Mg, Mn, Na, Sr and Zn) analysis of different coffee brews by means of inductively coupled plasma optical emission spectrometry.. *Talanta*, **2022**	6.2	2
218	Application of atmospheric pressure glow discharge generated in contact with liquids for determination of chloride and bromide in water and juice samples by optical emission spectrometry. *Talanta*, **2022**, 237, 122921	6.2	3
217	Direct analysis of wines from the province of Lower Silesia (Poland) by microplasma source optical emission spectrometry. *Food Chemistry*, **2022**, 371, 131178	8.5	1
216	Versatile Production of New Multi-functional and Composite Nanomaterials by Means of Cold Plasma - Liquid Interactions. *Engineering Materials*, **2022**, 15-34	0.4	
215	Coupling of chemical vapor generation with atmospheric pressure glow discharge optical emission spectrometry generated in contact with flowing liquid electrodes for determination of Br in water samples. *Microchemical Journal*, **2022**, 178, 107391	4.8	
214	Application of pulse-modulated radio-frequency atmospheric pressure glow discharge for degradation of doxycycline from a flowing liquid solution.. *Scientific Reports*, **2022**, 12, 7354	4.9	0
213	Determination of Ag, Bi, Cd, Hg, Pb, Tl, and Zn by inductively coupled plasma mass spectrometry combined with vapor generation assisted by solution anode glow discharge - A preliminary study.. *Talanta*, **2022**, 246, 123500	6.2	0
212	Rapid and easy ICP OES determination of selected major, minor and trace elements in Pu-erh tea infusions using the response surface methodology along with the joint desirability function approach. *Talanta*, **2022**, 123650	6.2	0
211	Cold atmospheric pressure plasmas as versatile tools for effective degradation of a mixture of hazardous and endocrine disturbing compounds from liquid wastes. *Journal of Environmental Chemical Engineering*, **2021**, 106718	6.8	0
210	Rhenium Nanostructures Loaded into Amino-Functionalized Resin as a Nanocomposite Catalyst for Hydrogenation of 4-Nitrophenol and 4-Nitroaniline. *Polymers*, **2021**, 13,	4.5	1
209	Non-thermal atmospheric pressure plasma as a powerful tool for the synthesis of rhenium-based nanostructures for the catalytic hydrogenation of 4-nitrophenol.. *RSC Advances*, **2021**, 11, 38596-38604	3.7	1
208	How does direct current atmospheric pressure glow discharge application influence on physicochemical, nutritional, microbiological, and cytotoxic properties of orange juice?. *Food Chemistry*, **2021**, 377, 131903	8.5	0
207	Do we need cold plasma treated fruit and vegetable juices? A case study of positive and negative changes occurred in these daily beverages.. *Food Chemistry*, **2021**, 375, 131831	8.5	2
206	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. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	6
205	Phytofabrication of Silver Nanoparticles (AgNPs) with Pharmaceutical Capabilities Using (Burm.) Boiss. Leaf Extract. *Nanomaterials*, **2021**, 11,	5.4	6
204	Multivariate Optimization of the FLC-dc-APGD-Based Reaction-Discharge System for Continuous Production of a Plasma-Activated Liquid of Defined Physicochemical and Anti-Phytopathogenic Properties. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	2
203	The application of antioxidant compounds to minimize matrix effects in flowing liquid anode atmospheric pressure glow discharge optical emission spectrometry. *Microchemical Journal*, **2021**, 164, 105975	4.8	5

202	Comparison of the performance of atmospheric pressure glow discharges operated between a flowing liquid cathode and either a pin-type anode or a helium jet anode for the Ga and In determination by the optical emission spectrometry. *Talanta*, **2021**, 226, 122155	6.2	6
201	Five years of innovations in development of glow discharges generated in contact with liquids for spectrochemical elemental analysis by optical emission spectrometry. *Analytica Chimica Acta*, **2021**, 1169, 338399	6.6	15
200	Application of cold atmospheric pressure plasmas for high-throughput production of safe-to-consume beetroot juice with improved nutritional quality. *Food Chemistry*, **2021**, 336, 127635	8.5	9
199	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). *Talanta*, **2021**, 222, 121510	6.2	14
198	Determination of bismuth by optical emission spectrometry with liquid anode/cathode atmospheric pressure glow discharge. *Journal of Analytical Atomic Spectrometry*, **2021**, 36, 165-177	3.7	16
197	Biological Effects of Cold Atmospheric Pressure Plasma on Skin Cancer. *Plasma Chemistry and Plasma Processing*, **2021**, 41, 507-529	3.6	3
196	Simplified and rapid determination of Ca, K, Mg, and Na in fruit juices by flowing liquid cathode atmospheric glow discharge optical emission spectrometry. *Journal of Analytical Atomic Spectrometry*, **2021**, 36, 1455-1465	3.7	6
195	Rapid and simple determination of As in bottled birch saps by hydride generation inductively coupled plasma optical emission spectrometry. *Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment*, **2021**, 38, 280-292	3.2	0
194	Implementation of a Non-Thermal Atmospheric Pressure Plasma for Eradication of Plant Pathogens from a Surface of Economically Important Seeds. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	2
193	Mitigating the impact of mercury contaminants in fish and other seafood-A review. *Marine Pollution Bulletin*, **2021**, 171, 112710	6.7	9
192	The application of tetramethylammonium hydroxide for generating atmospheric pressure glow discharge in contact with alkalized flowing liquid cathode solutions evaluation of the analytical performance. *Journal of Analytical Atomic Spectrometry*, **2021**, 36, 1768-1781	3.7	1
191	Hanging drop cathode-atmospheric pressure glow discharge as a new method of sample introduction for inductively coupled plasma-optical emission spectrometry. *Analytical and Bioanalytical Chemistry*, **2020**, 412, 4211-4219	4.4	5
190	Plant Extracts Activated by Cold Atmospheric Pressure Plasmas as Suitable Tools for Synthesis of Gold Nanostructures with Catalytic Uses. *Nanomaterials*, **2020**, 10,	5.4	6
189	A revisited FAAS method for very simple and fast determination of total concentrations of Cu, Fe, Mn and Zn in grape juices with sample preparation developed by modeling experimental design and optimization. *Microchemical Journal*, **2020**, 157, 104998	4.8	8
188	Multivariable optimization of ultrasound-assisted solvent extraction of bee pollen prior to its element analysis by FAAS. *Microchemical Journal*, **2020**, 157, 105009	4.8	4
187	Study and reduction of matrix effects in flowing liquid anode - Atmospheric pressure glow discharge - Optical emission spectrometry. *Analytica Chimica Acta*, **2020**, 1123, 81-90	6.6	12
186	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. *Plasma Chemistry and Plasma Processing*, **2020**, 40, 1037-1062	3.6	12
185	Simplified ICP OES-Based Method for Determination of 12 Elements in Commercial Bottled Birch Saps: Validation and Bioaccessibility Study. *Molecules*, **2020**, 25,	4.8	1

184	A ceramic microchip with LDA-APGD as the excitation source for OES a sensitive Hg detecting sensor for microsample analysis. *Journal of Analytical Atomic Spectrometry*, **2020**, 35, 1880-1886	3.7	2
183	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. *Journal of Trace Elements in*	4.1	10
182	Highly efficient and convenient nanocomposite catalysts produced using in-situ approach for decomposition of 4-nitrophenol. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2020**, 590, 124452	5.1	10
181	Element analysis of bee-collected pollen and bee bread by atomic and mass spectrometry Methodological development in addition to environmental and nutritional aspects. *TrAC - Trends in Analytical Chemistry*, **2020**, 128, 115922	14.6	6
180	Activation of the Normal Human Skin Cells by a Portable Dielectric Barrier Discharge-Based Reaction-Discharge System of a Defined Gas Temperature. *Plasma Chemistry and Plasma Processing*, **2020**, 40, 79-97	3.6	11
179	Green Synthesis of Silver Nanoparticles Using Delile. Root Extract: Characterization, Antioxidant, Antibacterial, and Anti-Inflammatory Activities. *Nanomaterials*, **2020**, 10,	5.4	30
178	Element sensor based on microplasma generators. *Sensor Review*, **2020**, 40, 437-444	1.4	0
177	Non-chromatographic Speciation of As by HG Technique-Analysis of Samples with Different Matrices. *Molecules*, **2020**, 25,	4.8	8
176	Comprehensive studies on the properties of apple juice treated by non-thermal atmospheric plasma in a flow-through system. *Scientific Reports*, **2020**, 10, 21166	4.9	3
175	Direct ICP-OES multielement analysis of infused black and green teas and chemical fractionation of selected essential and non-essential elements prior to evaluation of their bioavailability and classification of teas by pattern recognition. *Arabian Journal of Chemistry*, **2020**, 13, 1955-1965	5.9	9
174	Simplified Method of Multi-Elemental Analysis of Dialyzable Fraction of Tea Infusions by FAAS and ICP OES. *Biological Trace Element Research*, **2020**, 195, 272-290	4.5	10
173	Synthesis of Biogenic Silver Nanoparticles (AgCl-NPs) Using a Gaertn. Aerial Part Extract and Their Application as Antibacterial, Antifungal and Antioxidant Agents. *Nanomaterials*, **2020**, 10,	5.4	15
172	Method Validation for Multi-Elemental Analysis of Dialyzable and Non-dialyzable Fractions of Coffee Brews by F AAS and ICP OES: a Bioaccessibility Study. *Food Analytical Methods*, **2019**, 12, 198-216	3.4	6
171	Molecular reactors for synthesis of polymeric nanocomposites with noble metal nanoparticles for catalytic decomposition of 4-nitrophenol. *Journal of Colloid and Interface Science*, **2019**, 541, 226-233	9.3	17
170	Enhancement of emission from indium in flowing liquid anode atmospheric pressure glow discharge using organic media. *Talanta*, **2019**, 204, 304-309	6.2	23
169	Tuning Optical and Granulometric Properties of Gold Nanostructures Synthesized with the Aid of Different Types of Honeys for Microwave-Induced Hyperthermia. *Materials*, **2019**, 12,	3.5	1
168	Non-chromatographic Speciation of Inorganic Arsenic in Rice by Hydride Generation Inductively Coupled Plasma Optical Emission Spectrometry. *Food Analytical Methods*, **2019**, 12, 581-594	3.4	10
167	A miniaturized atmospheric pressure glow microdischarge system generated in contact with a hanging drop electrode a new approach to spectrochemical analysis of liquid microsamples. *Journal of Analytical Atomic Spectrometry*, **2019**, 34, 1287-1293	3.7	15

166	Development of a very simple and fast analytical methodology for FAAS/FAES measurements of Ca, K, Mg and Na in red beetroot juices along with chemical fractionation of Ca and Mg by solid phase extraction. *Microchemical Journal*, **2019**, 147, 538-544	4.8	4
165	Size-defined synthesis of magnetic nanorods by Salvia hispanica essential oil with electromagnetic excitation properties useful in microwave imagining. *Journal of Magnetism and Magnetic Materials*, **2019**, 480, 87-96	2.8	1
164	Separation of Re(VII) from Mo(VI) by anion exchange resins synthesized using microwave heat. *Hydrometallurgy*, **2019**, 185, 12-22	4	14
163	The Impact of Surface Functionalization on the Biophysical Properties of Silver Nanoparticles. *Nanomaterials*, **2019**, 9,	5.4	21
162	Production of antimicrobial silver nanoparticles modified by alkanethiol self-assembled monolayers by direct current atmospheric pressure glow discharge generated in contact with a flowing liquid anode. *Plasma Processes and Polymers*, **2019**, 16, 1900033	3.4	3
161	New Green Determination of Cu, Fe, Mn, and Zn in Beetroot Juices along with Their Chemical Fractionation by Solid-Phase Extraction. *Molecules*, **2019**, 24,	4.8	1
160	Hydrogel-based nanocomposite catalyst containing uncoated gold nanoparticles synthesized using cold atmospheric pressure plasma for the catalytic decomposition of 4-nitrophenol. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2019**, 582, 123886	5.1	11
159	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. *Talanta*, **2019**, 199, 107-115	6.2	33
158	Cold atmospheric plasma-induced chemical vapor generation in trace element analysis by spectrometric methods. *TrAC - Trends in Analytical Chemistry*, **2019**, 113, 234-245	14.6	20
157	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. *Arabian Journal of Chemistry*, **2019**, 12, 4118-4130	5.9	38
156	Comparison of the characteristics of gold nanoparticles synthesized using aqueous plant extracts and natural plant essential oils of Eucalyptus globulus and Rosmarinus officinalis. *Arabian Journal of Chemistry*, **2019**, 12, 4795-4805	5.9	26
155	Rapid eradication of bacterial phytopathogens by atmospheric pressure glow discharge generated in contact with a flowing liquid cathode. *Biotechnology and Bioengineering*, **2018**, 115, 1581-1593	4.9	10
154	Surface-activated anion exchange resins for synthesis and immobilization of gold and palladium nano- and microstructures. *Reactive and Functional Polymers*, **2018**, 124, 90-103	4.6	17
153	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. *Journal of Analytical Atomic Spectrometry*, **2018**, 33, 437-451	3.7	29
152	Fermented juices as reducing and capping agents for the biosynthesis of size-defined spherical gold nanoparticles. *Journal of Saudi Chemical Society*, **2018**, 22, 767-776	4.3	4
151	Determination of Elements in Fruit Juices **2018**, 739-761		
150	HR-CS FAAS based method for direct determination of total concentrations of Ca, Fe, Mg and Mn in functional apple beverages and evaluation of contributions of the bioaccessible fraction of these elements by in vitro gastrointestinal digestion and chemical fractionation. *Microchemical Journal*, **2018**, 140, 248-255	4.8	2
149	Impact and practicability of recently introduced requirements on elemental impurities. *TrAC - Trends in Analytical Chemistry*, **2018**, 101, 43-55	14.6	14

148	Decolorization of organic dyes solution by atmospheric pressure glow discharge system working in a liquid flow-through mode. *Plasma Processes and Polymers*, **2018**, 15, 1700083	3.4	13
147	Application of Silver Nanostructures Synthesized by Cold Atmospheric Pressure Plasma for Inactivation of Bacterial Phytopathogens from the Genera Dickeya and Pectobacterium. *Materials*, **2018**, 11,	3.5	16
146	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. *Nanomaterials*, **2018**, 8,	5.4	11
145	Polymerization-Driven Immobilization of dc-APGD Synthesized Gold Nanoparticles into a Quaternary Ammonium-Based Hydrogel Resulting in a Polymeric Nanocomposite with Heat-Transfer Applications. *Polymers*, **2018**, 10,	4.5	9
144	Venous insufficiency: Differences in the content of trace elements. A preliminary report. *Advances in Clinical and Experimental Medicine*, **2018**, 27, 695-701	1.8	
143	Selenium and Other Beneficial Elements in Fruit Juices **2018**, 75-93		1
142	Modular Ceramic-Polymeric Device for Analysis of Selected Elements in Liquid Using Microplasma. *Proceedings (mdpi)*, **2018**, 2, 822	0.3	1
141	Antibacterial Activity of Fructose-Stabilized Silver Nanoparticles Produced by Direct Current Atmospheric Pressure Glow Discharge towards Quarantine Pests. *Nanomaterials*, **2018**, 8,	5.4	21
140	Atmospheric Pressure Plasma-Mediated Synthesis of Platinum Nanoparticles Stabilized by Poly(vinylpyrrolidone) with Application in Heat Management Systems for Internal Combustion Chambers. *Nanomaterials*, **2018**, 8,	5.4	8
139	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. *Food Chemistry*, **2018**, 263, 171-179	8.5	11
138	Development and optimization of simplified method of fast sequential HR-CS-FAAS analysis of apple juices on the content of Ca, Fe, K, Mg, Mn and Na with the aid of response surface methodology. *Talanta*, **2018**, 189, 182-189	6.2	7
137	Understanding element composition of medicinal plants used in herbalism-A case study by analytical atomic spectrometry. *Journal of Pharmaceutical and Biomedical Analysis*, **2018**, 159, 262-271	3.5	9
136	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	14.6	59
135	Determination of the total cadmium, copper, lead and zinc concentrations and their labile species fraction in apple beverages by flow-through anodic stripping chronopotentiometry. *Food Chemistry* , **2017**, 225, 220-229	8.5	14
134	Improvement in the single and simultaneous generation of As, Bi, Sb and Se hydrides using a vapor generation accessory (VGA) coupled to axially viewed inductively coupled plasma optical emission spectrometry (ICP OES). *Analytical Methods*, **2017**, 9, 871-880	3.2	2
133	Critical evaluation of strategies for single and simultaneous determinations of As, Bi, Sb and Se by hydride generation inductively coupled plasma optical emission spectrometry. *Talanta*, **2017**, 167, 217-226	6.2	12
132	The recovery of gold from the aqua regia leachate of electronic parts using a core–shell type anion exchange resin. *Journal of Saudi Chemical Society*, **2017**, 21, 741-750	4.3	33
131	Sensitive Determination of Cd in Small-Volume Samples by Miniaturized Liquid Drop Anode Atmospheric Pressure Glow Discharge Optical Emission Spectrometry. *Analytical Chemistry*, **2017**, 89, 5729-5733	7.8	44

130	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. *Plasma Processes and Polymers*, **2017**, 14, 1600251	3.4	11
129	Recent achievements in element analysis of bee honeys by atomic and mass spectrometry methods. *TrAC - Trends in Analytical Chemistry*, **2017**, 93, 67-77	14.6	16
128	Potential of the hydride generation technique coupled to inductively coupled plasma optical emission spectrometry for non-chromatographic As speciation. *Journal of Analytical Atomic Spectrometry*, **2017**, 32, 1766-1779	3.7	15
127	Reduction of spectral interferences in atmospheric pressure glow discharge optical emission spectrometry. *Microchemical Journal*, **2017**, 130, 7-13	4.8	13
126	10. Solid-Phase Extraction in Fractionation of Trace Elements **2017**, 419-436		
125	Multivariate data reduction and discrimination of black and green teas due to the physical fractionation pattern of selected metals determined in their infusions. *Talanta*, **2016**, 160, 314-324	6.2	5
124	The determination of elements in herbal teas and medicinal plant formulations and their tisanes. *Journal of Pharmaceutical and Biomedical Analysis*, **2016**, 130, 326-335	3.5	40
123	The evaluation of the suitability of different alternative sample preparation procedures prior to the multi-elemental analysis of brews of ground roasted and instant coffees by FAAS and ICP OES. *Food Research International*, **2016**, 89, 958-966	7	9
122	Extraction of molybdenum(VI) from sulfate media by 3-pyridineketoxime and its quaternary salts. *Separation and Purification Technology*, **2016**, 158, 71-79	8.3	14
121	Inorganic arsenic speciation in natural mineral drinking waters by flow-through anodic stripping chronopotentiometry. *Talanta*, **2016**, 150, 265-71	6.2	8
120	A simplified determination of total concentrations of Ca, Fe, Mg and Mn in addition to their bioaccessible fraction in popular instant coffee brews. *Food Chemistry*, **2016**, 197, 388-94	8.5	13
119	Comparison and Validation of Different Alternative Sample Preparation Procedures of Tea Infusions Prior to Their Multi-Element Analysis by FAAS and ICP OES. *Food Analytical Methods*, **2016**, 9, 1398-1411	3.4	12
118	Application of Direct Current Atmospheric Pressure Glow Microdischarge Generated in Contact with a Flowing Liquid Solution for Synthesis of Au-Ag Core-Shell Nanoparticles. *Materials*, **2016**, 9,	3.5	20
117	The effect of pH of plating bath on electrodeposition and properties of protective ternary Zn□Fe□Mo alloy coatings. *Surface and Coatings Technology*, **2016**, 299, 81-89	4.4	13
116	Ultrasonic nebulization atmospheric pressure glow discharge □Preliminary study. *Spectrochimica Acta, Part B: Atomic Spectroscopy*, **2016**, 121, 22-27	3.1	16
115	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, 8812-20	7.8	85
114	Size-controlled synthesis of gold nanoparticles by a novel atmospheric pressure glow discharge system with a metallic pin electrode and a flowing liquid electrode. *RSC Advances*, **2016**, 6, 80773-80783	3.7	20
113	Differentiation of roasted and soluble coffees through physical fractionation of selected essential and nonessential metals in their brews and exploratory data analysis. *Talanta*, **2016**, 160, 686-693	6.2	3

112	Simplified multi-element analysis of ground and instant coffees by ICP-OES and FAAS. *Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment*, **2015**, 32, 1488-500	3.2	3
111	Direct elemental analysis of honeys by atmospheric pressure glow discharge generated in contact with a flowing liquid cathode. *Journal of Analytical Atomic Spectrometry*, **2015**, 30, 154-161	3.7	37
110	The content of Ca, Cu, Fe, Mg and Mn and antioxidant activity of green coffee brews. *Food Chemistry*, **2015**, 182, 302-8	8.5	36
109	The influence of stabilizers on the production of gold nanoparticles by direct current atmospheric pressure glow microdischarge generated in contact with liquid flowing cathode. *Journal of Nanoparticle Research*, **2015**, 17, 185	2.3	25
108	Determination of essential and non-essential elements in green and black teas by FAAS and ICP OES simplified multivariate classification of different tea products. *Microchemical Journal*, **2015**, 121, 122-129	4.8	32
107	Determination of mercury in mosses by novel cold vapor generation atmospheric pressure glow microdischarge optical emission spectrometry after multivariate optimization. *Journal of Analytical Atomic Spectrometry*, **2015**, 30, 1743-1751	3.7	13
106	Production of gold nanoparticles using atmospheric pressure glow microdischarge generated in contact with a flowing liquid cathode a design of experiments study. *RSC Advances*, **2015**, 5, 90534-90541	3.7	14
105	Advances in assessing the elemental composition of distilled spirits using atomic spectrometry. *TrAC - Trends in Analytical Chemistry*, **2015**, 64, 127-135	14.6	13
104	Elemental composition of sugar and honey **2015**, 587-597		1
103	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. *Talanta*, **2015**, 137, 11-7	6.2	41
102	Comparison of strategies for sample preparation prior to spectrometric measurements for determination and speciation of arsenic in rice. *TrAC - Trends in Analytical Chemistry*, **2015**, 65, 122-136	14.6	40
101	Developments and strategies in the spectrochemical elemental analysis of fruit juices. *TrAC - Trends in Analytical Chemistry*, **2014**, 55, 68-80	14.6	31
100	Interference-free determination of trace copper in freshly ripened honeys by flame atomic absorption spectrometry following a preconcentration by solid-phase extraction and a two-step elution process. *Archives of Environmental Contamination and Toxicology*, **2014**, 66, 287-94	3.2	2
99	Improvement of Determination of Trace Amounts of Arsenic and Selenium in Slim Coffee Products by HG-ICP-OES. *Food Analytical Methods*, **2014**, 7, 1016-1023	3.4	13
98	Simplified sample treatment for the determination of total concentrations and chemical fractionation forms of Ca, Fe, Mg and Mn in soluble coffees. *Food Chemistry*, **2014**, 163, 31-6	8.5	18
97	Characterisation of honeys according to their content of phenolic compounds using high performance liquid chromatography/tandem mass spectrometry. *Food Chemistry*, **2014**, 145, 404-8	8.5	58
96	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	3.6	56
95	Direct Current Atmospheric Pressure Microdischarge Generated between a Miniature Flow Helium Microjet and a Flowing Liquid Cathode. *Plasma Processes and Polymers*, **2014**, 11, 755-762	3.4	11

94	Determination of traces of copper and zinc in honeys by the solid phase extraction pre-concentration followed by the flame atomic absorption spectrometry detection. *Environmental Monitoring and Assessment*, **2014**, 186, 6145-55	3.1	12
93	Simple and Fast Sample Preparation Procedure Prior to Multi-element Analysis of Slim Teas by ICP OES. *Food Analytical Methods*, **2014**, 7, 2051-2063	3.4	12
92	Chemical-vapor generation of transition metals through the reaction with tetrahydroborate in recent achievements in analytical atomic spectrometry. *TrAC - Trends in Analytical Chemistry*, **2014**, 59, 144-155	14.6	31
91	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. *Journal of Analytical Atomic Spectrometry*, **2014**, 29, 893-902	3.7	24
90	Optimization of Sample Preparation of Carrot-Fruit Juice for Determination of Antimony, Arsenic, and Selenium by Hydride Generation-Inductively Coupled Plasma Optical Emission Spectrometry. *Analytical Letters*, **2014**, 47, 2104-2119	2.2	13
89	Fast method of elements determination in slim coffees by ICP OES. *Food Chemistry*, **2014**, 146, 220-5	8.5	19
88	Determination of Total Concentrations and Chemical and Physical Fractionation Forms of Manganese in Infusions of Ground Coffees. *Food Analytical Methods*, **2014**, 7, 676-682	3.4	5
87	Suitability of three-dimensional synchronous fluorescence spectroscopy for fingerprint analysis of honey samples with reference to their phenolic profiles. *Food Chemistry*, **2014**, 145, 319-26	8.5	42
86	Evaluation of the Bioaccessability of Ca, Fe, Mg and Mn in Ground Coffee Infusions byin vitroGastrointestinal Digestion. *Journal of the Brazilian Chemical Society*, **2014**,	1.5	5
85	Determination of the Elemental Composition of Coffee Using Instrumental Methods. *Food Analytical Methods*, **2013**, 6, 598-613	3.4	53
84	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. *Journal of Analytical Atomic Spectrometry*, **2013**, 28, 1233	3.7	32
83	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. *Food Chemistry*, **2013**, 141, 1956-61	8.5	18
82	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	6.2	74
81	A comparison of samples preparation strategies in the multi-elemental analysis of tea by spectrometric methods. *Food Research International*, **2013**, 53, 922-930	7	37
80	Determination of Elements in Energy Drinks by ICP OES with Minimal Sample Preparation. *Journal of the Brazilian Chemical Society*, **2013**,	1.5	2
79	Elemental analysis of teas and their infusions by spectrometric methods. *TrAC - Trends in Analytical Chemistry*, **2012**, 35, 165-181	14.6	112
78	Direct Analysis of Dark Honeys for Total Content of Copper and Its Fractionation Forms. *Food Analytical Methods*, **2012**, 5, 113-118	3.4	3
77	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. *Journal of Analytical Atomic Spectrometry*, **2012**, 28, 134-141	3.7	37

76	Solid phase extraction and sequential elution for pre-concentration of traces of Mn and Zn in analysis of honey by flame atomic absorption spectrometry. *Analytical Methods*, **2012**, 4, 125-131	3.2	8
75	Toxic and essential elements in Lebanese cheese. *Food Additives and Contaminants: Part B Surveillance*, **2012**, 5, 172-81	3.3	9
74	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. *Spectrochimica Acta, Part B: Atomic Spectroscopy*, **2012**, 73, 26-34	3.1	29
73	Application of TLC and LA ICP SF MS for speciation of S, Ni and V in petroleum samples. *Talanta*, **2012**, 97, 574-8	6.2	29
72	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. *Journal of Analytical Atomic Spectrometry*, **2012**, 27, 1772	3.7	11
71	Speciation and Fractionation of Elements in Tea Infusions. *Critical Reviews in Analytical Chemistry*, **2012**, 42, 349-365	5.2	14
70	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	14.6	79
69	Application of Ion Exchangers in Speciation and Fractionation of Elements in Food and Beverages **2012**, 65-95		
68	Determination of the hydrophobic fraction of Ca, Fe, Mg and Zn in dark color honeys using solid phase extraction and flame atomic absorption spectrometry. *Journal of the Brazilian Chemical Society*, **2012**, 23, 1098-1103	1.5	3
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