

# Anna Dzimitrowicz

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

877  
citations

430843

18  
h-index

526264

27  
g-index

52  
all docs

52  
docs citations

52  
times ranked

886  
citing authors

#	ARTICLE	IF	CITATIONS
1	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. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 88, 119-133.	11.4	67
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	Impact and practicability of recently introduced requirements on elemental impurities. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 101, 43-55.	11.4	21
17	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
18	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

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19	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
20	Direct current atmospheric pressure glow discharge generated between a pinâ€¢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
21	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
22	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
23	Decolorization of organic dyes solution by atmospheric pressure glow discharge system working in a liquid flowâ€¢through mode. <i>Plasma Processes and Polymers</i> , 2018, 15, 1700083.	3.0	15
24	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
25	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
26	Highly efficient and convenient nanocomposite catalysts produced using in-situ approach for decomposition of 4-nitrophenol. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 590, 124452.	4.7	12
27	A Mini-Review on Anion Exchange and Chelating Polymers for Applications in Hydrometallurgy, Environmental Protection, and Biomedicine. <i>Polymers</i> , 2020, 12, 784.	4.5	12
28	Do we need cold plasma treated fruit and vegetable juices? A case study of positive and negative changes occurred in these daily beverages. <i>Food Chemistry</i> , 2022, 375, 131831.	8.2	11
29	Atmospheric Pressure Plasma-Mediated Synthesis of Platinum Nanoparticles Stabilized by Poly(vinylpyrrolidone) with Application in Heat Management Systems for Internal Combustion Chambers. <i>Nanomaterials</i> , 2018, 8, 619.	4.1	10
30	Polymerization-Driven Immobilization of dc-APGD Synthesized Gold Nanoparticles into a Quaternary Ammonium-Based Hydrogel Resulting in a Polymeric Nanocomposite with Heat-Transfer Applications. <i>Polymers</i> , 2018, 10, 377.	4.5	10
31	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. <i>Talanta</i> , 2018, 189, 182-189.	5.5	9
32	Implementation of a Non-Thermal Atmospheric Pressure Plasma for Eradication of Plant Pathogens from a Surface of Economically Important Seeds. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9256.	4.1	9
33	Biological Effects of Cold Atmospheric Pressure Plasma on Skin Cancer. <i>Plasma Chemistry and Plasma Processing</i> , 2021, 41, 507-529.	2.4	8
34	Plant Extracts Activated by Cold Atmospheric Pressure Plasmas as Suitable Tools for Synthesis of Gold Nanostructures with Catalytic Uses. <i>Nanomaterials</i> , 2020, 10, 1088.	4.1	7
35	Heterogenous nanocomposite catalysts with rhenium nanostructures for the catalytic reduction of 4-nitrophenol. <i>Scientific Reports</i> , 2022, 12, 6228.	3.3	7
36	Non-thermal atmospheric pressure plasma as a powerful tool for the synthesis of rhenium-based nanostructures for the catalytic hydrogenation of 4-nitrophenol. <i>RSC Advances</i> , 2021, 11, 38596-38604.	3.6	6

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37	Fermented juices as reducing and capping agents for the biosynthesis of size-defined spherical gold nanoparticles. <i>Journal of Saudi Chemical Society</i> , 2018, 22, 767-776.	5.2	5
38	Cold atmospheric pressure plasmas as versatile tools for effective degradation of a mixture of hazardous and endocrine disturbing compounds from liquid wastes. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106718.	6.7	5
39	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. <i>Plasma Processes and Polymers</i> , 2019, 16, 1900033.	3.0	4
40	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. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4813.	4.1	4
41	Rhenium Nanostructures Loaded into Amino-Functionalized Resin as a Nanocomposite Catalyst for Hydrogenation of 4-Nitrophenol and 4-Nitroaniline. <i>Polymers</i> , 2021, 13, 3796.	4.5	4
42	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. <i>Microchemical Journal</i> , 2018, 140, 248-255.	4.5	3
43	Comprehensive studies on the properties of apple juice treated by non-thermal atmospheric plasma in a flow-through system. <i>Scientific Reports</i> , 2020, 10, 21166.	3.3	3
44	Application of pulse-modulated radio-frequency atmospheric pressure glow discharge for degradation of doxycycline from a flowing liquid solution. <i>Scientific Reports</i> , 2022, 12, 7354.	3.3	3
45	Determination of Elements in Fruit Juices. , 2018, , 739-761.		2
46	New Green Determination of Cu, Fe, Mn, and Zn in Beetroot Juices along with Their Chemical Fractionation by Solid-Phase Extraction. <i>Molecules</i> , 2019, 24, 3645.	3.8	2
47	Tuning Optical and Granulometric Properties of Gold Nanostructures Synthesized with the Aid of Different Types of Honeys for Microwave-Induced Hyperthermia. <i>Materials</i> , 2019, 12, 898.	2.9	2
48	Size-defined synthesis of magnetic nanorods by <i>Salvia hispanica</i> essential oil with electromagnetic excitation properties useful in microwave imaging. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 480, 87-96.	2.3	2
49	How does direct current atmospheric pressure glow discharge application influence on physicochemical, nutritional, microbiological, and cytotoxic properties of orange juice?. <i>Food Chemistry</i> , 2022, 377, 131903.	8.2	2
50	Examination of the interactions occurring in the gas and liquid phases of atmospheric pressure glow discharge generated in contact with a liquid electrode leading to production of size-defined gold nanostructures. , 2017, , .		0
51	Synteza nanocząstek złota za pomocą niskotemperaturowej mikroplazmy pod ciśnieniem atmosferycznym. <i>Inżynieria Materiałowa</i> , 2015, 1, 11-16.	0.2	0