

# Irena Baranowska

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9578577/publications.pdf>

Version: 2024-02-01

56  
papers

1,182  
citations

331670

21  
h-index

395702

33  
g-index

57  
all docs

57  
docs citations

57  
times ranked

1612  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymer Blends of Natural Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) and a Synthetic Atactic Poly(3-hydroxybutyrate). Characterization and Biodegradation Studies. <i>Macromolecules</i> , 1997, 30, 2568-2574.	4.8	188
2	Determination of selected drugs in human urine by differential pulse voltammetry technique. <i>Bioelectrochemistry</i> , 2008, 73, 5-10.	4.6	60
3	Distribution of pesticides and heavy metals in trophic chain. <i>Chemosphere</i> , 2005, 60, 1590-1599.	8.2	49
4	Determination of Flavonoids and Phenolic Acids in Plant Materials Using SLE-SPE-UHPLC-MS/MS Method. <i>Food Analytical Methods</i> , 2018, 11, 3563-3575.	2.6	49
5	Determination of Preservatives in Cosmetics, Cleaning Agents and Pharmaceuticals Using Fast Liquid Chromatography. <i>Journal of Chromatographic Science</i> , 2014, 52, 88-94.	1.4	45
6	UHPLC-UV method for the determination of flavonoids in dietary supplements and for evaluation of their antioxidant activities. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 102, 468-475.	2.8	44
7	UHPLC method for the simultaneous determination of $\beta$ -blockers, isoflavones and their metabolites in human urine. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 615-626.	2.3	43
8	Development and Validation of an HPLC Method for the Simultaneous Analysis of 23 Selected Drugs Belonging to Different Therapeutic Groups in Human Urine Samples. <i>Analytical Sciences</i> , 2009, 25, 1307-1313.	1.6	41
9	Rapid UHPLC Method for Simultaneous Determination of Vancomycin, Terbinafine, Spironolactone, Furosemide and Their Metabolites: Application to Human Plasma and Urine. <i>Analytical Sciences</i> , 2010, 26, 755-759.	1.6	39
10	The Development of SPE Procedures and an UHPLC Method for the Simultaneous Determination of Ten Drugs in Water Samples. <i>Water, Air, and Soil Pollution</i> , 2010, 211, 417-425.	2.4	38
11	A Rapid UHPLC Method for the Simultaneous Determination of Drugs from Different Therapeutic Groups in Surface Water and Wastewater. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2012, 89, 8-14.	2.7	33
12	Simultaneous RP-HPLC Determination of Sotalol, Metoprolol, .ALPHA.-Hydroxymetoprolol, Paracetamol and Its Glucuronide and Sulfate Metabolites in Human Urine. <i>Analytical Sciences</i> , 2009, 25, 769-772.	1.6	29
13	Analysis of isoflavones and flavonoids in human urine by UHPLC. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 3211-3219.	3.7	29
14	Research on grain size effect in XRF analysis of pelletized samples. <i>X-Ray Spectrometry</i> , 2002, 31, 39-46.	1.4	28
15	Simultaneous Determination of Biogenic Amines and Methylxanthines in Foodstuff Sample Preparation with HPLC-DAD-FL Analysis. <i>Food Analytical Methods</i> , 2015, 8, 963-972.	2.6	28
16	Development and validation of a RP-UHPLC-ESI-MS/MS method for the chiral separation and determination of flavanone, naringenin and hesperetin enantiomers. <i>Talanta</i> , 2016, 159, 181-188.	5.5	28
17	Determination of Levodopa and Biogenic Amines in Urine Samples Using High-Performance Liquid Chromatography. <i>Journal of Chromatographic Science</i> , 2008, 46, 30-34.	1.4	26
18	Clinical applications of fast liquid chromatography: A review on the analysis of cardiovascular drugs and their metabolites. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 927, 54-79.	2.3	26

#	ARTICLE	IF	CITATIONS
19	A new UHPLC-MS/MS method for the determination of flavonoids in supplements and DPPH -UHPLC-UV method for the evaluation of the radical scavenging activity of flavonoids. <i>Food Chemistry</i> , 2018, 256, 333-341.	8.2	26
20	The Preliminary Studies of Electrochemical Behavior of Paracetamol and Its Metabolites on Glassy Carbon Electrode by Voltammetric Methods. <i>Electroanalysis</i> , 2009, 21, 1194-1199.	2.9	25
21	ELISA and HPLC methods for atrazine and simazine determination in trophic chains samples. <i>Ecotoxicology and Environmental Safety</i> , 2008, 70, 341-348.	6.0	21
22	Determination of Platinum in Plant Samples by Voltammetric Analysis. <i>Electroanalysis</i> , 2007, 19, 1585-1589.	2.9	20
23	UHPLC Method for the Simultaneous Determination of $\alpha$ -Blockers, Isoflavones, and Flavonoids in Human Urine. <i>Journal of Chromatographic Science</i> , 2011, 49, 764-773.	1.4	18
24	Simultaneous Chiral Separation of Flavanone, Naringenin, and Hesperetin Enantiomers by RP-UHPLC- $\Delta$ DAD. <i>Chirality</i> , 2016, 28, 147-152.	2.6	17
25	A liquid chromatography and tandem mass spectrometry method for the determination of potential biomarkers of cardiovascular disease. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 919-920, 20-29.	2.3	15
26	HPLC-FL/ED in the Analysis of Biogenic Amines and their Metabolites in Urine. <i>Separation Science and Technology</i> , 2005, 40, 3137-3148.	2.5	14
27	Quick Supramolecular Solvent-Based Microextraction Combined with Ultra-High Performance Liquid Chromatography for the Analysis of Isoflavones in Soy Foods. <i>Food Analytical Methods</i> , 2016, 9, 1770-1780.	2.6	13
28	Electrochemical simulation of three novel cardiovascular drugs phase I metabolism and development of a new method for determination of them by liquid chromatography coupled with tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1093-1094, 100-112.	2.3	13
29	A new and fast strategy based on semiautomatic microextraction by packed sorbent followed by ultra high performance liquid chromatography for the analysis of drugs and their metabolites in human urine. <i>Journal of Separation Science</i> , 2014, 37, 3314-3315.	2.5	12
30	Analysis of Mixture of Catechins, Flavones, Flavanones, Flavonols, and Anthocyanidins by RP-HPLC. <i>Analytical Letters</i> , 2004, 37, 157-165.	1.8	11
31	Structural characterization of electrochemically and in vivo generated potential metabolites of selected cardiovascular drugs by EC-UHPLC/ESI-MS using an experimental design approach. <i>Talanta</i> , 2018, 176, 262-276.	5.5	11
32	Separation and Determination of Chemopreventive Phytochemicals of Flavonoids from Brassicaceae Plants. <i>Molecules</i> , 2021, 26, 4734.	3.8	11
33	Determination of Biogenic Amines and Vitamins in Urine Samples with HPLC. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2008, 31, 2974-2987.	1.0	10
34	LC-ESI-MS/MS method for the enantioseparation of six flavanones. <i>Analytical Methods</i> , 2017, 9, 1018-1030.	2.7	10
35	ULTRA HPLC METHOD FOR THE SIMULTANEOUS ANALYSIS OF DRUGS AND FLAVONOIDS IN HUMAN URINE. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2011, 34, 421-435.	1.0	9
36	Simultaneous chiral separation and determination of carvedilol and 5-hydroxyphenyl carvedilol enantiomers from human urine by high performance liquid chromatography coupled with fluorescent detection. <i>Open Chemistry</i> , 2013, 11, 2076-2087.	1.9	9

#	ARTICLE	IF	CITATIONS
37	Enantioselective determination of metoprolol and its metabolites in human urine high-performance liquid chromatography with fluorescence detection (HPLC-FLD) and tandem mass spectrometry (MS/MS). <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 1004, 79-84.	2.3	9
38	ANALYSIS OF SOME AROMATIC AMINES BY MEANS OF DERIVATIVE SPECTROPHOTOMETRY. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2002, 37, 1841-1848.	1.7	8
39	Effects of various factors of ultrasonic treatment on the extraction recovery of drugs from fish tissues. <i>Ultrasonics Sonochemistry</i> , 2015, 26, 388-398.	8.2	8
40	Flavonoids enantiomer distribution in different parts of goldenrod ( <i>Solidago virgaurea</i> L.), lucerne ( <i>Medicago sativa</i> L.) and phacelia ( <i>Phacelia tanacetifolia</i> )	0.0	0
41	Determination of Mesotrione, Simazine and Atrazine by RP- HPLC in Thermal Water, Sediment and Vegetable Samples. <i>Analytical Chemistry Letters</i> , 2012, 2, 206-219.	1.0	7
42	A Rapid Method for Determination of 22 Selected Drugs in Human Urine by UHPLC/MS/MS for Clinical Application. <i>Journal of AOAC INTERNATIONAL</i> , 2014, 97, 1526-1537.	1.5	7
43	Development of potential candidate reference materials for drugs in bottom sediment, cod and herring tissues. <i>Chemosphere</i> , 2017, 169, 181-187.	8.2	7
44	Separation and Determination of Selected Polyphenols from Medicinal Plants. <i>Journal of Chromatographic Science</i> , 2019, 57, 17-26.	1.4	6
45	DERIVATIVE SPECTROPHOTOMETRY IN THE ANALYSIS OF BROMACIL AND METOXLIRON IN THE PRESENCE OF SIMAZINE OR PROPAZINE AND HEXAZINONE. <i>Analytical Letters</i> , 2002, 35, 473-486.	1.8	5
46	Differential pulse voltammetry in analysis of disinfectants 2-mercaptobenzothiazole, 4-chloro-3-methylphenol, triclosan, chloramine-T. <i>Open Chemistry</i> , 2010, 8, 1266-1272.	1.9	5
47	A RAPID UHPLC METHOD FOR THE SIMULTANEOUS DETERMINATION OF SELECTED B-BLOCKERS, NSAIDS, AND THEIR METABOLITES IN HUMAN URINE AND WATER SAMPLES. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2010, 33, 1776-1790.	1.0	5
48	Analyses of Antioxidative Properties of Selected Cyclitols and Their Mixtures with Flavanones and Glutathione. <i>Molecules</i> , 2022, 27, 158.	3.8	5
49	An analytical procedure for the determination of different therapeutic drugs in surface waters. <i>Water Science and Technology</i> , 2009, 60, 449-458.	2.5	4
50	Development and validation of a UHPLC method for the determination of flavonoids in red wine. <i>Journal of AOAC INTERNATIONAL</i> , 2011, 94, 786-94.	1.5	4
51	Monitoring of biogenic amines and drugs of various therapeutic groups in urine samples with use of HPLC. <i>Biomedical Chromatography</i> , 2016, 30, 652-657.	1.7	3
52	DEVELOPMENT AND VALIDATION OF RP-HPLC-DAD METHOD FOR DETERMINATION OF NINE DRUGS AND THEIR ELEVEN METABOLITES IN PLASMA AND URINE: PLASMA SAMPLES MEASUREMENTS. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2013, 36, 1597-1615.	1.0	2
53	Determination of iodinated X-ray contrast agents in pharmaceutical formulations and artificial urine samples by differential pulse voltammetry. <i>Analytical Methods</i> , 2014, 6, 6254-6264.	2.7	1
54	Use of multivariate statistical techniques to optimize the separation of isoflavones by liquid chromatography. <i>Open Chemistry</i> , 2011, 9, 972-981.	1.9	0

#	ARTICLE	IF	CITATIONS
55	Determination of Ag <sup>+</sup> and Cu <sup>2+</sup> ions in mixture samples obtained in the microwave assisted polyol process by differential pulse anodic stripping voltammetry (DPASV) method. Open Chemistry, 2014, 13, .	1.9	0
56	Chiral Flavonoids: Methods of Enantioseparation and Extraction of Polyphenol Mixtures. , 2022, , 525-543.		0