

# Sylwia Bajkacz

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

34  
papers

552  
citations

11  
h-index

23  
g-index

37  
ext. papers

843  
ext. citations

6.1  
avg, IF

4.83  
L-index

#	Paper	IF	Citations
34	Chiral Flavonoids: Methods of Enantioseparation and Extraction of Polyphenol Mixtures <b>2022</b> , 1-19		
33	Long-Term, Simultaneous Impact of Antimicrobials on the Efficiency of Anaerobic Digestion of Sewage Sludge and Changes in the Microbial Community. <i>Energies</i> , <b>2022</b> , 15, 1826	3.1	0
32	Efficient extraction and sensitive HPLC-MS/MS quantification of selected ecdysteroids in plants. <i>Journal of Food Composition and Analysis</i> , <b>2022</b> , 104580	4.1	
31	Solar-light driven photodegradation of antimicrobials, their transformation by-products and antibiotic resistance determinants in treated wastewater.. <i>Science of the Total Environment</i> , <b>2022</b> , 155447	10.2	1
30	Chiral Flavonoids: Methods of Enantioseparation and Extraction of Polyphenol Mixtures <b>2022</b> , 525-543		
29	Suspect screening of antimicrobial agents transformation products in environmental samples development of LC-QTrap method running in pseudo MRM transitions. <i>Science of the Total Environment</i> , <b>2021</b> , 808, 152114	10.2	2
28	Development of a fast UHPLC-MS/MS for the analysis of selected priority micropollutants in wastewater samples. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2021</b> , 101, 59-78	1.8	1
27	Optimization of a Method for Extraction and Determination of Residues of Selected Antimicrobials in Soil and Plant Samples Using HPLC-UV-MS/MS. <i>International Journal of Environmental Research and Public Health</i> , <b>2021</b> , 18,	4.6	1
26	The Effect of Antibiotics on Mesophilic Anaerobic Digestion Process of Cattle Manure. <i>Energies</i> , <b>2021</b> , 14, 1125	3.1	4
25	Separation and Determination of Chemopreventive Phytochemicals of Flavonoids from Plants. <i>Molecules</i> , <b>2021</b> , 26,	4.8	1
24	The impact of antimicrobials on the efficiency of methane fermentation of sewage sludge, changes in microbial biodiversity and the spread of antibiotic resistance. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 416, 125773	12.8	2
23	Microbial and chemical pollutants on the manure-crops pathway in the perspective of "One Health" holistic approach. <i>Science of the Total Environment</i> , <b>2021</b> , 785, 147411	10.2	9
22	Removal and transformation of sulfamethoxazole in acclimated biofilters with various operation modes - Implications for full-scale application. <i>Chemosphere</i> , <b>2021</b> , 280, 130638	8.4	1
21	Application of UHPLC-MS/MS method to study occurrence and fate of sulfonamide antibiotics and their transformation products in surface water in highly urbanized areas. <i>Chemosphere</i> , <b>2021</b> , 283, 131189	8.4	5
20	Wastewater treatment plants as a reservoir of integrase and antibiotic resistance genes - An epidemiological threat to workers and environment. <i>Environment International</i> , <b>2021</b> , 156, 106641	12.9	21
19	Liquid chromatography in food analysis <b>2020</b> , 391-455		
18	Development of a new SLE-SPE-HPLC-MS/MS method for the determination of selected antibiotics and their transformation products in anthropogenically altered solid environmental matrices. <i>Science of the Total Environment</i> , <b>2020</b> , 726, 138071	10.2	15

17	Antimicrobial pharmaceuticals in the aquatic environment - occurrence and environmental implications. <i>European Journal of Pharmacology</i> , <b>2020</b> , 866, 172813	5.3	109
16	Highly Efficient Extraction Procedures Based on Natural Deep Eutectic Solvents or Ionic Liquids for Determination of 20-Hydroxyecdysone in Spinach. <i>Molecules</i> , <b>2020</b> , 25,	4.8	8
15	Application of Deep Eutectic Solvents and Ionic Liquids in the Extraction of Catechins from Tea. <i>Molecules</i> , <b>2020</b> , 25,	4.8	9
14	Supramolecular Solvent-Based Microextraction of Selected Anticonvulsant and Nonsteroidal Anti-Inflammatory Drugs from Sediment Samples. <i>Molecules</i> , <b>2020</b> , 25,	4.8	1
13	Small-scale wastewater treatment plants as a source of the dissemination of antibiotic resistance genes in the aquatic environment. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 381, 121221	12.8	68
12	Removal and transformation pathways of benzothiazole and benzotriazole in membrane bioreactors treating synthetic municipal wastewater. <i>Chemosphere</i> , <b>2019</b> , 227, 162-171	8.4	6
11	Separation and Determination of Selected Polyphenols from Medicinal Plants. <i>Journal of Chromatographic Science</i> , <b>2019</b> , 57, 17-26	1.4	5
10	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> Benth.). <i>Chirality</i> , <b>2019</b> , 31, 138-149	2.1	7
9	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> , <b>2018</b> , 256, 333-341	8.5	19
8	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> , <b>2018</b> , 1093-1094, 100-112	3.2	9
7	Removal and transformations of diclofenac and sulfamethoxazole in a two-stage constructed wetland system. <i>Ecological Engineering</i> , <b>2018</b> , 122, 159-168	3.9	14
6	The effect of loading frequency and plants on the degradation of sulfamethoxazole and diclofenac in vertical-flow constructed wetlands. <i>Ecological Engineering</i> , <b>2018</b> , 122, 187-196	3.9	22
5	Removal and transformation of benzotriazole in manganese-oxide biofilters with Mn(II) feeding. <i>Chemosphere</i> , <b>2018</b> , 212, 143-151	8.4	14
4	Determination of Flavonoids and Phenolic Acids in Plant Materials Using SLE-SPE-UHPLC-MS/MS Method. <i>Food Analytical Methods</i> , <b>2018</b> , 11, 3563-3575	3.4	23
3	Development of a Method Based on Natural Deep Eutectic Solvents for Extraction of Flavonoids from Food Samples. <i>Food Analytical Methods</i> , <b>2018</b> , 11, 1330-1344	3.4	64
2	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> , <b>2018</b> , 176, 262-276	6.2	8
1	Evaluation of new natural deep eutectic solvents for the extraction of isoflavones from soy products. <i>Talanta</i> , <b>2017</b> , 168, 329-335	6.2	103