

# Sylwia Bajkacz

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

1,190  
citations

567144

15  
h-index

395590

33  
g-index

37  
all docs

37  
docs citations

37  
times ranked

1335  
citing authors

#	ARTICLE	IF	CITATIONS
1	Antimicrobial pharmaceuticals in the aquatic environment - occurrence and environmental implications. <i>European Journal of Pharmacology</i> , 2020, 866, 172813.	1.7	226
2	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> , 2020, 381, 121221.	6.5	165
3	Evaluation of new natural deep eutectic solvents for the extraction of isoflavones from soy products. <i>Talanta</i> , 2017, 168, 329-335.	2.9	153
4	Development of a Method Based on Natural Deep Eutectic Solvents for Extraction of Flavonoids from Food Samples. <i>Food Analytical Methods</i> , 2018, 11, 1330-1344.	1.3	115
5	Wastewater treatment plants as a reservoir of integrase and antibiotic resistance genes – An epidemiological threat to workers and environment. <i>Environment International</i> , 2021, 156, 106641.	4.8	91
6	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.	1.3	49
7	The effect of loading frequency and plants on the degradation of sulfamethoxazole and diclofenac in vertical-flow constructed wetlands. <i>Ecological Engineering</i> , 2018, 122, 187-196.	1.6	33
8	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> , 2021, 283, 131189.	4.2	32
9	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> , 2020, 726, 138071.	3.9	31
10	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.	4.2	26
11	Removal and transformations of diclofenac and sulfamethoxazole in a two-stage constructed wetland system. <i>Ecological Engineering</i> , 2018, 122, 159-168.	1.6	25
12	Microbial and chemical pollutants on the manure-crops pathway in the perspective of “One Health” holistic approach. <i>Science of the Total Environment</i> , 2021, 785, 147411.	3.9	25
13	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> , 2021, 416, 125773.	6.5	20
14	Removal and transformation of benzotriazole in manganese-oxide biofilters with Mn(II) feeding. <i>Chemosphere</i> , 2018, 212, 143-151.	4.2	18
15	Highly Efficient Extraction Procedures Based on Natural Deep Eutectic Solvents or Ionic Liquids for Determination of 20-Hydroxyecdysone in Spinach. <i>Molecules</i> , 2020, 25, 4736.	1.7	18
16	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> , 2022, 808, 152114.	3.9	17
17	Removal and transformation pathways of benzothiazole and benzotriazole in membrane bioreactors treating synthetic municipal wastewater. <i>Chemosphere</i> , 2019, 227, 162-171.	4.2	16
18	Solar-light driven photodegradation of antimicrobials, their transformation by-products and antibiotic resistance determinants in treated wastewater. <i>Science of the Total Environment</i> , 2022, 836, 155447.	3.9	15

#	ARTICLE	IF	CITATIONS
19	The Effect of Antibiotics on Mesophilic Anaerobic Digestion Process of Cattle Manure. <i>Energies</i> , 2021, 14, 1125.	1.6	14
20	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.	1.2	13
21	Application of Deep Eutectic Solvents and Ionic Liquids in the Extraction of Catechins from Tea. <i>Molecules</i> , 2020, 25, 3216.	1.7	13
22	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.	2.9	11
23	Separation and Determination of Chemopreventive Phytochemicals of Flavonoids from Brassicaceae Plants. <i>Molecules</i> , 2021, 26, 4734.	1.7	11
24	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> )	0.9	0
25	Uptake of Pharmaceutical Pollutants and Their Metabolites from Soil Fertilized with Manure to Parsley Tissues. <i>Molecules</i> , 2022, 27, 4378.	1.7	8
26	Heterogeneous Photocatalysis of Metronidazole in Aquatic Samples. <i>Molecules</i> , 2021, 26, 7612.	1.7	7
27	Separation and Determination of Selected Polyphenols from Medicinal Plants. <i>Journal of Chromatographic Science</i> , 2019, 57, 17-26.	0.7	6
28	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> , 2021, 18, 1159.	1.2	5
29	Removal and transformation of sulfamethoxazole in acclimated biofilters with various operation modes – Implications for full-scale application. <i>Chemosphere</i> , 2021, 280, 130638.	4.2	5
30	Efficient extraction and sensitive HPLC-MS/MS quantification of selected ecdysteroids in plants. <i>Journal of Food Composition and Analysis</i> , 2022, 110, 104580.	1.9	4
31	Supramolecular Solvent-Based Microextraction of Selected Anticonvulsant and Nonsteroidal Anti-Inflammatory Drugs from Sediment Samples. <i>Molecules</i> , 2020, 25, 5671.	1.7	3
32	Long-Term, Simultaneous Impact of Antimicrobials on the Efficiency of Anaerobic Digestion of Sewage Sludge and Changes in the Microbial Community. <i>Energies</i> , 2022, 15, 1826.	1.6	3
33	LC-MS/MS Analysis Elucidates a Daily Rhythm in Orexin A Concentration in the Rat Vitreous Body. <i>Molecules</i> , 2021, 26, 5036.	1.7	2
34	Liquid chromatography in food analysis. , 2020, , 391-455.		1
35	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> , 2021, 101, 59-78.	1.8	1
36	Chiral Flavonoids: Methods of Enantioseparation and Extraction of Polyphenol Mixtures. , 2022, , 525-543.		0