

Magda Caban

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6243160/publications.pdf>

Version: 2024-02-01

73
papers

2,178
citations

257450

24
h-index

243625

44
g-index

74
all docs

74
docs citations

74
times ranked

2548
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioaccumulation and analytics of pharmaceutical residues in the environment: A review. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 127, 232-255.	2.8	217
2	Matrix effects and recovery calculations in analyses of pharmaceuticals based on the determination of β -blockers and β -agonists in environmental samples. <i>Journal of Chromatography A</i> , 2012, 1258, 117-127.	3.7	139
3	Simultaneous analysis of non-steroidal anti-inflammatory drugs and estrogenic hormones in water and wastewater samples using gas chromatography-mass spectrometry and gas chromatography with electron capture detection. <i>Science of the Total Environment</i> , 2012, 441, 77-88.	8.0	109
4	Determination of β -blockers and β -agonists using gas chromatography and gas chromatography-mass spectrometry – A comparative study of the derivatization step. <i>Journal of Chromatography A</i> , 2011, 1218, 8110-8122.	3.7	93
5	Beta-blockers in the environment: Part II. Ecotoxicity study. <i>Science of the Total Environment</i> , 2014, 493, 1122-1126.	8.0	92
6	Enhanced extraction of proteins using cholinium-based ionic liquids as phase-forming components of aqueous biphasic systems. <i>Biotechnology Journal</i> , 2015, 10, 1457-1466.	3.5	92
7	Selected analytical challenges in the determination of pharmaceuticals in drinking/marine waters and soil/sediment samples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 121, 271-296.	2.8	88
8	Beta-blockers in the environment: Part I. Mobility and hydrolysis study. <i>Science of the Total Environment</i> , 2014, 493, 1112-1121.	8.0	83
9	Determination of pharmaceutical residues in drinking water in Poland using a new SPE-GC-MS(SIM) method based on Speedisk extraction disks and DIMETRIS derivatization. <i>Science of the Total Environment</i> , 2015, 538, 402-411.	8.0	81
10	Toxic effects of NSAIDs in non-target species: A review from the perspective of the aquatic environment. <i>Environmental Pollution</i> , 2021, 273, 115891.	7.5	69
11	Determination of metronidazole residues in water, sediment and fish tissue samples. <i>Chemosphere</i> , 2015, 119, S28-S34.	8.2	68
12	How to decrease pharmaceuticals in the environment? A review. <i>Environmental Chemistry Letters</i> , 2021, 19, 3115-3138.	16.2	65
13	Spatial distribution of pharmaceuticals in conventional wastewater treatment plant with Sludge Treatment Reed Beds technology. <i>Science of the Total Environment</i> , 2019, 647, 149-157.	8.0	56
14	Simultaneous determination of non-steroidal anti-inflammatory drugs and oestrogenic hormones in environmental solid samples. <i>Science of the Total Environment</i> , 2015, 508, 498-505.	8.0	52
15	Presence of pharmaceuticals and their metabolites in wild-living aquatic organisms – Current state of knowledge. <i>Journal of Hazardous Materials</i> , 2022, 424, 127350.	12.4	45
16	Mixture toxicity of six sulfonamides and their two transformation products to green algae <i>Scenedesmus vacuolatus</i> and duckweed <i>Lemna minor</i> . <i>Chemosphere</i> , 2017, 173, 542-550.	8.2	43
17	Calibration of Passive Samplers for the Monitoring of Pharmaceuticals in Water-Sampling Rate Variation. <i>Critical Reviews in Analytical Chemistry</i> , 2017, 47, 204-222.	3.5	38
18	Optimization of a procedure for the simultaneous extraction of polycyclic aromatic hydrocarbons and metal ions by functionalized and non-functionalized carbon nanotubes as effective sorbents. <i>Talanta</i> , 2017, 165, 405-411.	5.5	37

#	ARTICLE	IF	CITATIONS
19	Mytilidae as model organisms in the marine ecotoxicology of pharmaceuticals - A review. <i>Environmental Pollution</i> , 2019, 254, 113082.	7.5	33
20	The quantification of bisphenols and their analogues in wastewaters and surface water by an improved solid-phase extraction gas chromatography/mass spectrometry method. <i>Environmental Science and Pollution Research</i> , 2020, 27, 28829-28839.	5.3	33
21	Simultaneous determination of non-steroidal anti-inflammatory drugs and natural estrogens in the mussels <i>Mytilus edulis trossulus</i> . <i>Talanta</i> , 2019, 200, 316-323.	5.5	32
22	Evaluation of bioconcentration and metabolism of diclofenac in mussels <i>Mytilus trossulus</i> - laboratory study. <i>Marine Pollution Bulletin</i> , 2019, 141, 249-255.	5.0	31
23	Recovery of ibuprofen from pharmaceutical wastes using ionic liquids. <i>Green Chemistry</i> , 2016, 18, 3749-3757.	9.0	27
24	Metabolism of non-steroidal anti-inflammatory drugs by non-target wild-living organisms. <i>Science of the Total Environment</i> , 2021, 791, 148251.	8.0	26
25	A new approach for the extraction of tetracyclines from soil matrices: application of the microwave-extraction technique. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 1697-1707.	3.7	24
26	Advances in suspect screening and non-target analysis of polar emerging contaminants in the environmental monitoring. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 154, 116671.	11.4	24
27	Chemometric optimization of derivatization reactions prior to gas chromatography-mass spectrometry analysis. <i>Journal of Chromatography A</i> , 2013, 1296, 164-178.	3.7	22
28	Is sequential batch reactor an efficient technology to protect recipient against non-steroidal anti-inflammatory drugs and paracetamol in treated wastewater?. <i>Bioresource Technology</i> , 2020, 318, 124068.	9.6	21
29	Screening of 17 β -ethynylestradiol and non-steroidal anti-inflammatory pharmaceuticals accumulation in <i>Mytilus edulis trossulus</i> (Gould, 1890) collected from the Gulf of Gdansk. <i>Oceanological and Hydrobiological Studies</i> , 2016, 45, 605-614.	0.7	20
30	Application of the PASSIL technique for the passive sampling of exemplary polar contaminants (pharmaceuticals and phenolic derivatives) from water. <i>Talanta</i> , 2016, 155, 185-192.	5.5	20
31	Aqueous Biphasic Systems Using Chiral Ionic Liquids for the Enantioseparation of Mandelic Acid Enantiomers. <i>Solvent Extraction and Ion Exchange</i> , 2018, 36, 617-631.	2.0	20
32	A new silylation reagent dimethyl(3,3,3-trifluoropropyl)silyldiethylamine for the analysis of estrogenic compounds by gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1301, 215-224.	3.7	19
33	A new silylating reagent - dimethyl(3,3,3-trifluoropropyl)silyldiethylamine - for the derivatisation of non-steroidal anti-inflammatory drugs prior to gas chromatography-mass spectrometry analysis. <i>Journal of Chromatography A</i> , 2014, 1346, 107-116.	3.7	19
34	Determination of bisphenol A in size fractions of indoor dust from several microenvironments. <i>Microchemical Journal</i> , 2020, 153, 104392.	4.5	19
35	Recovery of Nonsteroidal Anti-Inflammatory Drugs from Wastes Using Ionic-Liquid-Based Three-Phase Partitioning Systems. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 4574-4585.	6.7	18
36	Effects of environmentally relevant concentrations of diclofenac in <i>Mytilus trossulus</i> . <i>Science of the Total Environment</i> , 2020, 737, 139797.	8.0	17

#	ARTICLE	IF	CITATIONS
37	From the pills to environment – Prediction and tracking of non-steroidal anti-inflammatory drug concentrations in wastewater. <i>Science of the Total Environment</i> , 2022, 825, 153611.	8.0	17
38	Current Issues in Pharmaceutical Residues in Drinking Water. <i>Current Analytical Chemistry</i> , 2016, 12, 249-257.	1.2	16
39	Determination of twenty pharmaceutical contaminants in soil using ultrasound-assisted extraction with gas chromatography-mass spectrometric detection. <i>Chemosphere</i> , 2019, 232, 232-242.	8.2	15
40	Effect of salinity and pH on the calibration of the extraction of pharmaceuticals from water by PASSIL. <i>Talanta</i> , 2018, 179, 271-278.	5.5	14
41	Ionic liquids for the passive sampling of sulfonamides from water – applicability and selectivity study. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 3951-3958.	3.7	13
42	The antagonistic role of chaotropic hexafluorophosphate anions and imidazolium cations composing ionic liquids applied as phase additives in the separation of tri-cyclic antidepressants. <i>Analytica Chimica Acta</i> , 2017, 967, 102-110.	5.4	12
43	Anti-inflammatory drugs in the Vistula River following the failure of the Warsaw sewage collection system in 2019. <i>Science of the Total Environment</i> , 2020, 745, 140848.	8.0	12
44	Review of the applicability of ionic liquid matrices for the quantification of small molecules by MALDI MS. <i>Microchemical Journal</i> , 2021, 164, 105983.	4.5	12
45	Dimethyl(3,3,3-trifluoropropyl)silyldiethylamine – A new silylating agent for the derivatization of β -blockers and β -agonists in environmental samples. <i>Analytica Chimica Acta</i> , 2013, 782, 75-88.	5.4	11
46	Critical study of crop-derived biochars for soil amendment and pharmaceutical ecotoxicity reduction. <i>Chemosphere</i> , 2020, 248, 125976.	8.2	11
47	Comparison of the Usefulness of SPE Cartridges for the Determination of β -Blockers and β -Agonists (Basic Drugs) in Environmental Aqueous Samples. <i>Journal of Chemistry</i> , 2015, 2015, 1-9.	1.9	10
48	Salinity and pH as factors affecting the passive sampling and extraction of pharmaceuticals from water. <i>Journal of Separation Science</i> , 2019, 42, 2949-2956.	2.5	10
49	The triple-sorbents solid-phase extraction for pharmaceuticals and estrogens determination in wastewater samples. <i>Microchemical Journal</i> , 2019, 149, 103965.	4.5	10
50	Environmental aspects of using gas chromatography for determination of pharmaceutical residues in samples characterized by different composition of the matrix. <i>Archives of Environmental Protection</i> , 2017, 43, 3-9.	1.1	9
51	Limitations of Integrative Passive Samplers as a Tool for the Quantification of Pharmaceuticals in the Environment – A Critical Review with the Latest Innovations. <i>Critical Reviews in Analytical Chemistry</i> , 2021, , 1-40.	3.5	9
52	Preliminary study on suitability of ionic liquids as potential passive-sampling media of polyaromatic-hydrocarbon (PAH) analyses in water. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 3531-3536.	3.7	8
53	Impact of Veterinary Pharmaceuticals on the Agricultural Environment: A Re-inspection. <i>Reviews of Environmental Contamination and Toxicology</i> , 2016, 243, 89-148.	1.3	8
54	Silylation of acetaminophen by trifluoroacetamide-based silylation agents. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 154, 433-437.	2.8	8

#	ARTICLE	IF	CITATIONS
55	Evaluation of the Possibility of Using Hydroponic Cultivations for the Removal of Pharmaceuticals and Endocrine Disrupting Compounds in Municipal Sewage Treatment Plants. <i>Molecules</i> , 2020, 25, 162.	3.8	8
56	The application of isotopically labeled analogues for the determination of small organic compounds by GC/MS with selected ion monitoring. <i>Analytical Methods</i> , 2020, 12, 3854-3864.	2.7	8
57	Chemometric analysis for optimizing derivatization in gas chromatography-based procedures. <i>Journal of Chemometrics</i> , 2011, 25, 636-643.	1.3	7
58	Impact of humic acids, temperature and stirring on passive extraction of pharmaceuticals from water by trihexyl(tetradecyl)phosphonium dicyanamide. <i>Microchemical Journal</i> , 2019, 144, 500-505.	4.5	7
59	Valuable polar moieties on cereal-derived biochars. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 561, 275-282.	4.7	7
60	Static renewal and continuous-flow calibration of two types of passive samplers for the monitoring of pharmaceuticals in wastewater. <i>Microchemical Journal</i> , 2021, 165, 106121.	4.5	7
61	Exposure of <i>Mytilus trossulus</i> to diclofenac and 4-hydroxydiclofenac: Uptake, bioconcentration and mass balance for the evaluation of their environmental fate. <i>Science of the Total Environment</i> , 2021, 791, 148172.	8.0	6
62	Spectroscopic verification of ionic matrices for MALDI analysis. <i>Journal of Molecular Liquids</i> , 2019, 284, 328-342.	4.9	5
63	Anthelmintics in the Aquatic Environment: A New Analytical Approach. <i>Current Analytical Chemistry</i> , 2016, 12, 227-236.	1.2	5
64	Analytical Techniques for Determining Pharmaceutical Residues in Drinking Water – State of Art and Future Prospects. <i>Current Analytical Chemistry</i> , 2016, 12, 237-248.	1.2	5
65	Long-term stability of diclofenac and 4-hydroxydiclofenac in the seawater and sediment microenvironments: Evaluation of biotic and abiotic factors. <i>Environmental Pollution</i> , 2022, 304, 119243.	7.5	5
66	Effects of five sulphonamides on duckweed (<i>Lemna minor</i>) after prolonged exposure time and their dependency on photoradiation. <i>Science of the Total Environment</i> , 2018, 618, 952-960.	8.0	3
67	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
68	An investigation of the ionicity of selected ionic liquid matrices used for matrix-assisted laser desorption/ionization. <i>Journal of Molecular Liquids</i> , 2022, 349, 118106.	4.9	2
69	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
70	Electron ionization induced fragmentation of fluorinated derivatives of bisphenols. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8860.	1.5	0
71	New sampling methods for detecting pharmaceutical residues in seawater and sediments. , 2021, , 253-274.		0
72	Verification of the homogeneity of the matrix/analyte mixture on sample plate using MALDI-MS technique and new ionic liquid matrices. , 0, , .		0

#	ARTICLE	IF	CITATIONS
73	Calibration of POCIS and PASSIL passive samplers – influence of humic acids. , 0, , .		0