

Jolanta Kumirska

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79
papers

3,215
citations

29
h-index

55
g-index

82
ext. papers

3,744
ext. citations

6
avg, IF

5.28
L-index

#	Paper	IF	Citations
79	Application of spectroscopic methods for structural analysis of chitin and chitosan. <i>Marine Drugs</i> , 2010 , 8, 1567-636	6	637
78	Antibiotic resistance genes identified in wastewater treatment plant systems - A review. <i>Science of the Total Environment</i> , 2019 , 697, 134023	10.2	201
77	Biomedical Activity of Chitin/Chitosan Based Materials Influence of Physicochemical Properties Apart from Molecular Weight and Degree of N-Acetylation. <i>Polymers</i> , 2011 , 3, 1875-1901	4.5	168
76	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, 117-27	4.5	114
75	Hydrolysis of sulphonamides in aqueous solutions. <i>Journal of Hazardous Materials</i> , 2012 , 221-222, 264-74	12.8	104
74	Assessing toxicity and biodegradation of novel, environmentally benign ionic liquids (1-alkoxymethyl-3-hydroxypyridinium chloride, saccharinate and acesulfamates) on cellular and molecular level. <i>Ecotoxicology and Environmental Safety</i> , 2008 , 71, 157-65	7	104
73	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	10.2	93
72	A new approach for the estimation of expanded uncertainty of results of an analytical method developed for determining antibiotics in seawater using solid-phase extraction disks and liquid chromatography coupled with tandem mass spectrometry technique. <i>Journal of Chromatography A</i> , 2013 , 1304, 138-46	4.5	91
71	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, 8110-22	4.5	85
70	The cuticular fatty acids of <i>Calliphora vicina</i> , <i>Dendrolimus pini</i> and <i>Galleria mellonella</i> larvae and their role in resistance to fungal infection. <i>Insect Biochemistry and Molecular Biology</i> , 2008 , 38, 619-27	4.5	81
69	Sulfadimethoxine and sulfaguanidine: their sorption potential on natural soils. <i>Chemosphere</i> , 2012 , 86, 1059-65	8.4	74
68	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	3.5	73
67	Beta-blockers in the environment: part II. Ecotoxicity study. <i>Science of the Total Environment</i> , 2014 , 493, 1122-6	10.2	70
66	Beta-blockers in the environment: part I. Mobility and hydrolysis study. <i>Science of the Total Environment</i> , 2014 , 493, 1112-21	10.2	69
65	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, 402-11	10.2	68
64	Identification of ionic liquid breakdown products in an advanced oxidation system. <i>Journal of Hazardous Materials</i> , 2009 , 171, 478-83	12.8	68
63	Aquatic toxicity of four veterinary drugs commonly applied in fish farming and animal husbandry. <i>Chemosphere</i> , 2013 , 92, 1253-9	8.4	66

62	Development of sensitive and reliable LC-MS/MS methods for the determination of three fluoroquinolones in water and fish tissue samples and preliminary environmental risk assessment of their presence in two rivers in northern Poland. <i>Science of the Total Environment</i> , 2014 , 493, 1006-13	10.2	60
61	Changing environments and biomolecule coronas: consequences and challenges for the design of environmentally acceptable engineered nanoparticles. <i>Green Chemistry</i> , 2018 , 20, 4133-4168	10	58
60	Studies on acetylation patterns of different chitosan preparations. <i>Carbohydrate Polymers</i> , 2009 , 78, 678-684	10.3	55
59	Application of chitin and chitosan as elicitors of coumarins and fluoroquinolone alkaloids in <i>Ruta graveolens</i> L. (common rue). <i>Biotechnology and Applied Biochemistry</i> , 2008 , 51, 91-6	2.8	52
58	Determination of metronidazole residues in water, sediment and fish tissue samples. <i>Chemosphere</i> , 2015 , 119 Suppl, S28-34	8.4	47
57	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	10.2	45
56	Toxicity of anthelmintic drugs (fenbendazole and flubendazole) to aquatic organisms. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 2566-73	5.1	38
55	Optimization of multiple reaction monitoring mode for the trace analysis of veterinary sulfonamides by LC-MS/MS. <i>Talanta</i> , 2009 , 80, 947-53	6.2	38
54	Column and batch tests of sulfonamide leaching from different types of soil. <i>Journal of Hazardous Materials</i> , 2013 , 260, 468-74	12.8	35
53	Predicting mobility of alkylimidazolium ionic liquids in soils. <i>Journal of Soils and Sediments</i> , 2009 , 9, 237-245	3.4	34
52	Primary degradation of antidiabetic drugs. <i>Journal of Hazardous Materials</i> , 2017 , 324, 428-435	12.8	30
51	The occurrence of haloanisoles as an emerging odorant in municipal tap water of typical cities in China. <i>Water Research</i> , 2016 , 98, 242-9	12.5	29
50	Genetic transformation of <i>Ruta graveolens</i> L. by <i>Agrobacterium rhizogenes</i> : hairy root cultures a promising approach for production of coumarins and furanocoumarins. <i>Plant Cell, Tissue and Organ Culture</i> , 2009 , 97, 59-69	2.7	29
49	Ultimate biodegradability and ecotoxicity of orally administered antidiabetic drugs. <i>Journal of Hazardous Materials</i> , 2017 , 333, 154-161	12.8	27
48	The urinary steroid profile in patients diagnosed with adrenal incidentaloma. <i>Clinical Biochemistry</i> , 2009 , 42, 448-54	3.5	25
47	Thermodynamic studies for adsorption of ionizable pharmaceuticals onto soil. <i>Chemosphere</i> , 2014 , 111, 568-74	8.4	24
46	Trimethylsilyldiazomethane (TMSD) as a new derivatization reagent for trace analysis of selected non-steroidal anti-inflammatory drugs (NSAIDs) by gas chromatography methods. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 397, 3029-34	4.4	22
45	Chemometric optimization of derivatization reactions prior to gas chromatography-mass spectrometry analysis. <i>Journal of Chromatography A</i> , 2013 , 1296, 164-78	4.5	20

44	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	6.2	19
43	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, 215-24	4.5	18
42	Determination of the pattern of acetylation of chitosan samples: Comparison of evaluation methods and some validation parameters. <i>International Journal of Biological Macromolecules</i> , 2009 , 45, 56-60	7.9	18
41	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, 107-16	4.5	17
40	Determination of the pattern of acetylation of low-molecular-weight chitosan used in biomedical applications. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2009 , 50, 587-90	3.5	17
39	The structure of the O-polysaccharide isolated from the lipopolysaccharide of <i>Salmonella</i> Dakar (serogroup O:28). <i>Carbohydrate Research</i> , 2007 , 342, 2138-43	2.9	16
38	Cyanobacteria derived taste and odor characteristics in various lakes in China: Songhua Lake, Chaohu Lake and Taihu Lake. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 181, 499-507	7	14
37	A comprehensive approach to the determination of two benzimidazoles in environmental samples. <i>Chemosphere</i> , 2015 , 119 Suppl, S35-41	8.4	14
36	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	4.4	14
35	Identification of <i>Ruta graveolens</i> L. metabolites accumulated in the presence of abiotic elicitors. <i>Biotechnology Progress</i> , 2008 , 24, 128-33	2.8	14
34	A very fast and simple method for the determination of sulfonamide residues in seawaters. <i>Analytical Methods</i> , 2011 , 3, 1371	3.2	13
33	Sorption of sulfisoxazole onto soil--an insight into different influencing factors. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 12182-9	5.1	12
32	Detection of bioactive exometabolites produced by the filamentous marine cyanobacterium <i>Geitlerinema</i> sp. <i>Marine Biotechnology</i> , 2012 , 14, 436-45	3.4	12
31	Chemical composition of commercially available essential oils from blackcurrant, ginger, and peppermint. <i>Chemistry of Natural Compounds</i> , 2008 , 44, 794-796	0.7	12
30	Current Issues in Pharmaceutical Residues in Drinking Water. <i>Current Analytical Chemistry</i> , 2016 , 12, 249-257	1.7	12
29	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	6.6	11
28	Determination of twenty pharmaceutical contaminants in soil using ultrasound-assisted extraction with gas chromatography-mass spectrometric detection. <i>Chemosphere</i> , 2019 , 232, 232-242	8.4	10
27	Identification of Selected Antibiotic Resistance Genes in Two Different Wastewater Treatment Plant Systems in Poland: A Preliminary Study. <i>Molecules</i> , 2020 , 25,	4.8	10

26	Comparison of the Usefulness of SPE Cartridges for the Determination of Blockers and Agonists (Basic Drugs) in Environmental Aqueous Samples. <i>Journal of Chemistry</i> , 2015 , 2015, 1-9	2.3	10
25	The Identification of Polyester Fibers Dyed with Disperse Dyes for Forensic Purposes. <i>Molecules</i> , 2019 , 24,	4.8	10
24	Metabolism of non-steroidal anti-inflammatory drugs by non-target wild-living organisms. <i>Science of the Total Environment</i> , 2021 , 791, 148251	10.2	10
23	Structure and heterogeneity of the O-antigen chain of Salmonella Agona lipopolysaccharide. <i>FEMS Immunology and Medical Microbiology</i> , 2006 , 48, 223-36		8
22	Occurrence of earthy/musty taste and odors in the Taihu Lake, China: spatial and seasonal patterns. <i>RSC Advances</i> , 2016 , 6, 79723-79733	3.7	8
21	Critical points in the evaluation of analytical methods based on liquid chromatography separation for the determination of doramectin in different environmental samples. <i>Chemosphere</i> , 2015 , 119 Suppl, S9-15	8.4	7
20	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		7
19	Chemometric analysis for optimizing derivatization in gas chromatography-based procedures. <i>Journal of Chemometrics</i> , 2011 , 25, 636-643	1.6	7
18	Impact of Veterinary Pharmaceuticals on the Agricultural Environment: A Re-inspection. <i>Reviews of Environmental Contamination and Toxicology</i> , 2017 , 243, 89-148	3.5	7
17	Assessment of soils contamination with veterinary antibiotic residues in Northern Poland using developed MAE-SPE-LC/MS/MS methods. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 21233-21247	5.1	6
16	The Identification of Cotton Fibers Dyed with Reactive Dyes for Forensic Purposes. <i>Molecules</i> , 2020 , 25,	4.8	6
15	Valuable polar moieties on cereal-derived biochars. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 561, 275-282	5.1	6
14	Critical study of crop-derived biochars for soil amendment and pharmaceutical ecotoxicity reduction. <i>Chemosphere</i> , 2020 , 248, 125976	8.4	5
13	Smith degradation of the O-antigenic polysaccharide of Salmonella Dakar: structural studies of the products. <i>Carbohydrate Research</i> , 2008 , 343, 1120-5	2.9	5
12	Anthelmintics in the Aquatic Environment: A New Analytical Approach. <i>Current Analytical Chemistry</i> , 2016 , 12, 227-236	1.7	4
11	Analytical Techniques for Determining Pharmaceutical Residues in Drinking Water [State of Art and Future Prospects. <i>Current Analytical Chemistry</i> , 2016 , 12, 237-248	1.7	4
10	Heterogeneous structure of O-Antigenic part of lipopolysaccharide of Salmonella Telaviv (Serogroup O:28) containing 3-Acetamido-3,6-dideoxy-D-glucopyranose. <i>Biochemistry (Moscow)</i> , 2011 , 76, 780-90	2.9	3
9	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> , 2019 , 25,	4.8	3

8	Energy-efficient removal of carbamazepine in solution by electrocoagulation-electrofenton using a novel P-rGO cathode.. <i>Journal of Environmental Sciences</i> , 2022 , 115, 88-102	6.4	3
7	The derivatization and analysis of anticancer pharmaceuticals in the presence of tricyclic antidepressants by gas chromatography. <i>Acta Chromatographica</i> , 2014 , 26, 473-484	1.5	2
6	What Do We Know About the Chronic and Mixture Toxicity of the Residues of Sulfonamides in the Environment? 2013 ,		2
5	Immunochemical studies of Salmonella Dakar and Salmonella Telaviv O-antigens (serogroup O:28). <i>FEMS Microbiology Letters</i> , 2012 , 326, 55-61	2.9	1
4	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	10.2	1
3	Development of HPLC-DAD and UPLC-QTOF-MS chromatographic systems for the identification for forensic purposes of disperse dyes of polyester. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021 , 174, 108994	4.6	0
2	Two-dimensional layered carbon-based catalytic ozonation for water purification: Rational design of catalysts and an in-depth understanding of the interfacial reaction mechanism.. <i>Science of the Total Environment</i> , 2022 , 832, 155071	10.2	0
1	Analysis and Fate of Emerging Pollutants during Water Treatment. <i>Journal of Analytical Methods in Chemistry</i> , 2013 , 2013, 256956		2