

Monika Harnisz

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

2,703
citations

185998

28
h-index

197535

49
g-index

71
all docs

71
docs citations

71
times ranked

2785
citing authors

#	ARTICLE	IF	CITATIONS
1	Antibiotic resistant <i>Escherichia coli</i> in hospital and municipal sewage and their emission to the environment. <i>Ecotoxicology and Environmental Safety</i> , 2013, 91, 96-102.	2.9	240
2	Antimicrobial pharmaceuticals in the aquatic environment - occurrence and environmental implications. <i>European Journal of Pharmacology</i> , 2020, 866, 172813.	1.7	226
3	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
4	Extended-spectrum beta-lactamase (ESBL)-positive Enterobacteriaceae in municipal sewage and their emission to the environment. <i>Journal of Environmental Management</i> , 2013, 128, 904-911.	3.8	128
5	The impact of a freshwater fish farm on the community of tetracycline-resistant bacteria and the structure of tetracycline resistance genes in river water. <i>Chemosphere</i> , 2015, 128, 134-141.	4.2	122
6	Relationship between modification of activated sludge wastewater treatment and changes in antibiotic resistance of bacteria. <i>Science of the Total Environment</i> , 2018, 639, 304-315.	3.9	120
7	Sewage sludge in agriculture – the effects of selected chemical pollutants and emerging genetic resistance determinants on the quality of soil and crops – a review. <i>Ecotoxicology and Environmental Safety</i> , 2021, 214, 112070.	2.9	115
8	The prevalence and characterization of antibiotic-resistant and virulent <i>Escherichia coli</i> strains in the municipal wastewater system and their environmental fate. <i>Science of the Total Environment</i> , 2017, 577, 367-375.	3.9	105
9	Prevalence of plasmid-mediated multidrug resistance determinants in fluoroquinolone-resistant bacteria isolated from sewage and surface water. <i>Environmental Science and Pollution Research</i> , 2016, 23, 10818-10831.	2.7	97
10	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
11	Inhibitors of the methane fermentation process with particular emphasis on the microbiological aspect: A review. <i>Energy Science and Engineering</i> , 2020, 8, 1880-1897.	1.9	81
12	Beta-lactamase-producing Enterobacteriaceae in hospital effluents. <i>Journal of Environmental Management</i> , 2013, 123, 1-7.	3.8	68
13	Environmental fate of Bacteroidetes, with particular emphasis on <i>Bacteroides fragilis</i> group bacteria and their specific antibiotic resistance genes, in activated sludge wastewater treatment plants. <i>Journal of Hazardous Materials</i> , 2020, 394, 122544.	6.5	67
14	The impact of WWTP size and sampling season on the prevalence of antibiotic resistance genes in wastewater and the river system. <i>Science of the Total Environment</i> , 2020, 741, 140466.	3.9	66
15	The prevalence of multidrug-resistant <i>Aeromonas</i> spp. in the municipal wastewater system and their dissemination in the environment. <i>Science of the Total Environment</i> , 2018, 626, 377-383.	3.9	63
16	The impact of urban areas on the water quality gradient along a lowland river. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 624.	1.3	52
17	Industrialization as a source of heavy metals and antibiotics which can enhance the antibiotic resistance in wastewater, sewage sludge and river water. <i>PLoS ONE</i> , 2021, 16, e0252691.	1.1	52
18	The prevalence of drug-resistant and virulent <i>Staphylococcus</i> spp. in a municipal wastewater treatment plant and their spread in the environment. <i>Environment International</i> , 2020, 143, 105914.	4.8	48

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19	tet genes as indicators of changes in the water environment: Relationships between culture-dependent and culture-independent approaches. <i>Science of the Total Environment</i> , 2015, 505, 704-711.	3.9	47
20	Total resistance of native bacteria as an indicator of changes in the water environment. <i>Environmental Pollution</i> , 2013, 174, 85-92.	3.7	44
21	Culture-Dependent and Culture-Independent Methods in Evaluation of Emission of Enterobacteriaceae from Sewage to the Air and Surface Water. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 4039-4046.	1.1	43
22	The emergence of antimicrobial resistance in environmental strains of the <i>Bacteroides fragilis</i> group. <i>Environment International</i> , 2019, 124, 408-419.	4.8	43
23	Impact of Peat Mining and Restoration on Methane Turnover Potential and Methane-Cycling Microorganisms in a Northern Bog. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	39
24	Quantitative Occurrence of Antibiotic Resistance Genes among Bacterial Populations from Wastewater Treatment Plants Using Activated Sludge. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 387.	1.3	38
25	Environmental Risk and Risk of Resistance Selection Due to Antimicrobials TM Occurrence in Two Polish Wastewater Treatment Plants and Receiving Surface Water. <i>Molecules</i> , 2020, 25, 1470.	1.7	37
26	Intensification of biogas production using various technologies: A review. <i>International Journal of Energy Research</i> , 2020, 44, 6240-6258.	2.2	36
27	Tetracycline-resistant bacteria as indicators of antimicrobial resistance in protected waters TM The example of the Drw TM ca River Nature Reserve (Poland). <i>Ecological Indicators</i> , 2011, 11, 663-668.	2.6	35
28	Culturomics and metagenomics: In understanding of environmental resistome. <i>Frontiers of Environmental Science and Engineering</i> , 2019, 13, 1.	3.3	35
29	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
30	Microbial and chemical pollutants on the manure-crops pathway in the perspective of TM One Health TM holistic approach. <i>Science of the Total Environment</i> , 2021, 785, 147411.	3.9	25
31	Characterization of carbapenem resistance in environmental samples and <i>Acinetobacter</i> spp. isolates from wastewater and river water in Poland. <i>Science of the Total Environment</i> , 2022, 822, 153437.	3.9	21
32	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
33	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
34	Metagenomics analysis of probable transmission of determinants of antibiotic resistance from wastewater to the environment TM A case study. <i>Science of the Total Environment</i> , 2022, 827, 154354.	3.9	16
35	Microbial quality of common carp and pikeperch fingerlings cultured in a pond fed with treated wastewater. <i>Ecological Engineering</i> , 2010, 36, 466-470.	1.6	15
36	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

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37	Occurrence of Fluoroquinolones and Sulfonamides Resistance Genes in Wastewater and Sludge at Different Stages of Wastewater Treatment: A Preliminary Case Study. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5816.	1.3	14
38	The Effect of Antibiotics on Mesophilic Anaerobic Digestion Process of Cattle Manure. <i>Energies</i> , 2021, 14, 1125.	1.6	14
39	Biohydrogen production at low load of organic matter by psychrophilic bacteria. <i>Energy</i> , 2017, 134, 1132-1139.	4.5	13
40	The occurrence of antibiotic-resistance genes in the Pilica River, Poland. <i>Ecohydrology and Hydrobiology</i> , 2020, 20, 1-11.	1.0	13
41	Structure of the manure resistome and the associated mobilome for assessing the risk of antimicrobial resistance transmission to crops. <i>Science of the Total Environment</i> , 2022, 808, 152144.	3.9	13
42	Catchment scale analysis of occurrence of antibiotic resistance genes in treated wastewater. <i>Ecohydrology and Hydrobiology</i> , 2020, 20, 12-20.	1.0	12
43	Prevalence of Beta Lactamases Genes in Sewage and Sludge Treated in Mechanical-Biological Wastewater Treatment Plants. <i>Journal of Ecological Engineering</i> , 2019, 20, 80-86.	0.5	12
44	Impact of type of wastewater treatment process on the antibiotic resistance of bacterial populations. <i>E3S Web of Conferences</i> , 2017, 17, 00070.	0.2	11
45	The Impact of Antimicrobial Substances on the Methanogenic Community during Methane Fermentation of Sewage Sludge and Cattle Slurry. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 369.	1.3	11
46	Detection of carbapenemase-producing, hypervirulent <i>Klebsiella</i> spp. in wastewater and their potential transmission to river water and WWTP employees. <i>International Journal of Hygiene and Environmental Health</i> , 2021, 237, 113831.	2.1	11
47	Insights into the microbial diversity and structure in a full-scale municipal wastewater treatment plant with particular regard to Archaea. <i>PLoS ONE</i> , 2021, 16, e0250514.	1.1	10
48	Individual and Synergistic Effects of Metronidazole, Amoxicillin, and Ciprofloxacin on Methane Fermentation with Sewage Sludge. <i>Clean - Soil, Air, Water</i> , 2020, 48, 1900281.	0.7	9
49	Markers Specific to <i>Bacteroides fragilis</i> Group Bacteria as Indicators of Anthropogenic Pollution of Surface Waters. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 7137.	1.2	9
50	Impact of Hospital Wastewater on the Occurrence and Diversity of Beta-Lactamase Genes During Wastewater Treatment with an Emphasis on Carbapenemase Genes: A Metagenomic Approach. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	9
51	The Occurrence of Integrase Genes in Different Stages of Wastewater Treatment. <i>Journal of Ecological Engineering</i> , 2019, 20, 39-45.	0.5	8
52	Uptake of Pharmaceutical Pollutants and Their Metabolites from Soil Fertilized with Manure to Parsley Tissues. <i>Molecules</i> , 2022, 27, 4378.	1.7	8
53	The prevalence of virulence genes specific for <i>Escherichia coli</i> in wastewater samples from wastewater treatment plants with the activated sludge process. <i>E3S Web of Conferences</i> , 2018, 44, 00133.	0.2	7
54	The Prevalence of tet(A) and tet(M) Tetracycline Resistance Genes in Municipal Wastewater. <i>Journal of Ecological Engineering</i> , 2019, 20, 1-6.	0.5	7

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55	Drug resistance in airborne bacteria isolated from waste management and wastewater treatment plants in Olsztyn. E3S Web of Conferences, 2019, 100, 00066.	0.2	6
56	The effect of lake restoration by the hypolimnetic withdrawal method on the intensity of ambient odour. Journal of Limnology, 2016, , .	0.3	5
57	Inhibition of Methane Fermentation by Antibiotics Introduced to Municipal Anaerobic Sludge. Proceedings (mdpi), 2018, 2, .	0.2	5
58	The occurrence of antibiotic-resistant bacteria, including <i>Escherichia coli</i> , in municipal wastewater and river water. E3S Web of Conferences, 2019, 100, 00061.	0.2	5
59	Evaluation of anthropogenic pollution in river water based on the genetic diversity of <i>Aeromonas hydrophila</i> . Archives of Environmental Protection, 2012, 38, 41-50.	1.1	5
60	Antibiotic resistance in wastewater, does the context matter? Poland and Portugal as a case study. Critical Reviews in Environmental Science and Technology, 2022, 52, 4194-4216.	6.6	5
61	Sources, Occurrence, and Environmental Risk Assessment of Antibiotics and Antimicrobial-Resistant Bacteria in Aquatic Environments of Poland. Handbook of Environmental Chemistry, 2020, , 179-193.	0.2	3
62	BACTEROIDES SPP. - CLINICAL SIGNIFICANCE, ANTIBIOTIC RESISTANCE AND IDENTIFICATION METHODS. Postępy Mikrobiologii, 2019, 56, 67-76.	0.1	3
63	Long-Term, Simultaneous Impact of Antimicrobials on the Efficiency of Anaerobic Digestion of Sewage Sludge and Changes in the Microbial Community. Energies, 2022, 15, 1826.	1.6	3
64	Metagenomic Analysis of the Long-Term Synergistic Effects of Antibiotics on the Anaerobic Digestion of Cattle Manure. Energies, 2022, 15, 1920.	1.6	3
65	Seasonal and Technological Shifts of the WHO Priority Multi-Resistant Pathogens in Municipal Wastewater Treatment Plant and Its Receiving Surface Water: A Case Study. International Journal of Environmental Research and Public Health, 2022, 19, 336.	1.2	3
66	Isolation of anaerobic bacteria of the <i>Bacteroides fragilis</i> group from environmental samples. E3S Web of Conferences, 2019, 100, 00058.	0.2	2
67	The occurrence of specific markers of <i>Bacteroides fragilis</i> group, <i>B. dorei</i> and antibiotic-resistance genes in the wastewater treatment plants. E3S Web of Conferences, 2018, 44, 00124.	0.2	1
68	Monitoring of drug resistance amplification and attenuation with the use of tetracycline-resistant bacteria during wastewater treatment. E3S Web of Conferences, 2017, 22, 00063.	0.2	0
69	Advances in energy systems and environmental engineering. Science of the Total Environment, 2020, 748, 141499.	3.9	0
70	An improved selective/differential medium for culturing the <i>Bacteroides fragilis</i> group from wastewater. Analytical Methods, 2022, , .	1.3	0