

Agnieszka Baran

List of Publications by Year in descending order

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51
papers

1,082
citations

471477

17
h-index

454934

30
g-index

51
all docs

51
docs citations

51
times ranked

1223
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of heavy metals mobility and toxicity in contaminated sediments by sequential extraction and a battery of bioassays. <i>Ecotoxicology</i> , 2015, 24, 1279-1293.	2.4	95
2	Assessment of the pollution and ecological risk of lead and cadmium in soils. <i>Environmental Geochemistry and Health</i> , 2018, 40, 2325-2342.	3.4	71
3	The influence of the quantity and quality of sediment organic matter on the potential mobility and toxicity of trace elements in bottom sediment. <i>Environmental Geochemistry and Health</i> , 2019, 41, 2893-2910.	3.4	69
4	Potential ecological risk assessment and predicting zinc accumulation in soils. <i>Environmental Geochemistry and Health</i> , 2018, 40, 435-450.	3.4	62
5	Phytotoxkit/Phytotestkit and Microtox [®] as tools for toxicity assessment of sediments. <i>Ecotoxicology and Environmental Safety</i> , 2013, 98, 19-27.	6.0	58
6	Sewage sludge biochars management – Ecotoxicity, mobility of heavy metals, and soil microbial biomass. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 1197-1207.	4.3	53
7	Spatial distribution of trace elements and ecotoxicity of bottom sediments in Rybnik reservoir, Silesian-Poland. <i>Environmental Science and Pollution Research</i> , 2016, 23, 17255-17268.	5.3	48
8	The effect of low-temperature transformation of mixtures of sewage sludge and plant materials on content, leachability and toxicity of heavy metals. <i>Chemosphere</i> , 2014, 117, 33-39.	8.2	44
9	A mixture of cellulose production waste with municipal sewage as new material for an ecological management of wastes. <i>Ecotoxicology and Environmental Safety</i> , 2019, 169, 607-614.	6.0	35
10	Concentration, sources and risk assessment of PAHs in bottom sediments. <i>Environmental Science and Pollution Research</i> , 2017, 24, 23180-23195.	5.3	34
11	Assessment of respiration activity and ecotoxicity of composts containing biopolymers. <i>Ecotoxicology and Environmental Safety</i> , 2013, 89, 137-142.	6.0	29
12	Use of Chemical Indicators and Bioassays in Bottom Sediment Ecological Risk Assessment. <i>Archives of Environmental Contamination and Toxicology</i> , 2018, 74, 395-407.	4.1	29
13	Effect of wheat and Miscanthus straw biochars on soil enzymatic activity, ecotoxicity, and plant yield. <i>International Agrophysics</i> , 2017, 31, 367-375.	1.7	27
14	Effect of the Addition of Biochar and Coffee Grounds on the Biological Properties and Ecotoxicity of Composts. <i>Waste and Biomass Valorization</i> , 2018, 9, 1389-1398.	3.4	25
15	The contents of the potentially harmful elements in the arable soils of southern Poland, with the assessment of ecological and health risks: a case study. <i>Environmental Geochemistry and Health</i> , 2020, 42, 419-442.	3.4	25
16	Content of nutrients, trace elements, and ecotoxicity of sediment cores from RoÅ¼nÃ³w reservoir (Southern Poland). <i>Environmental Geochemistry and Health</i> , 2019, 41, 2929-2948.	3.4	22
17	AN ASSESSMENT OF BOTTOM SEDIMENT AS A SOURCE OF PLANT NUTRIENTS AND AN AGENT FOR IMPROVING SOIL PROPERTIES. <i>Environmental Engineering and Management Journal</i> , 2019, 18, 1647-1656.	0.6	20
18	The effect of bottom sediment supplement on changes of soil properties and on the chemical composition of plants. <i>Geology Geophysics & Environment</i> , 2015, 41, 285.	1.0	18

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19	Concentration and health risk assessment of nitrates in vegetables from conventional and organic farming. <i>Human and Ecological Risk Assessment (HERA)</i> , 2017, 23, 727-740.	3.4	16
20	Effects of soil amendment with PCB-contaminated sediment on the growth of two cucurbit species. <i>Environmental Science and Pollution Research</i> , 2020, 27, 8872-8884.	5.3	16
21	An assessment of the concentrations of PCDDs/Fs in contaminated bottom sediments and their sources and ecological risk. <i>Journal of Soils and Sediments</i> , 2020, 20, 2588-2597.	3.0	16
22	Ecotoxicological characteristics and ecological risk assessment of trace elements in the bottom sediments of the RoÅ¼nÅ³w reservoir (Poland). <i>Ecotoxicology</i> , 2020, 29, 45-57.	2.4	16
23	Ecotoxicological and chemical properties of the roÅ¼nÅ³w reservoir bottom sediment amended with various waste materials. <i>Journal of Environmental Management</i> , 2020, 273, 111176.	7.8	16
24	The possibilities of the environmental use of bottom sediments from the silted inlet zone of the RoÅ¼nÅ³w Reservoir. <i>Geology Geophysics & Environment</i> , 2017, 43, 335.	1.0	16
25	Pollution indices and biotests as useful tools for the evaluation of the degree of soil contamination by trace elements. <i>Journal of Soils and Sediments</i> , 2022, 22, 559-576.	3.0	16
26	Selected Properties of Flotation Tailings Wastes Deposited in the GilÅ³w and Å»elazny Most Waste Reservoirs Regarding Their Potential Environmental Management / Wybrane WÅciwoÅci OdpadÅ³w Poflotacyjnych Zdeponowanych W Zbiornikach GilÅ³w I Å»elazny Most W Aspekcie MoÅliwoÅci Ich Zagospodarowania Przyrodniczego. <i>Archives of Mining Sciences</i> , 2013, 58, 969-978.	0.6	15
27	The use of <i>Callitriche cophocarpa</i> Sendtn. for the reclamation of Cr-contaminated freshwater habitat: benefits and limitations. <i>Environmental Science and Pollution Research</i> , 2020, 27, 25510-25522.	5.3	14
28	Distribution of polycyclic aromatic hydrocarbons (PAHs) in the bottom sediments of a dam reservoir, their interaction with organic matter and risk to benthic fauna. <i>Journal of Soils and Sediments</i> , 2021, 21, 2418-2431.	3.0	14
29	The influence of the physicochemical properties of sediment on the content and ecotoxicity of trace elements in bottom sediments. <i>Chemosphere</i> , 2022, 287, 132366.	8.2	14
30	Application of geochemical and ecotoxicity indices for assessment of heavy metals content in soils / Zastosowanie wskaÅnikÅ³w geochemicznych i ekotoksycznych w ocenie zawartoÅci metali ciÅkich w glebach. <i>Archives of Environmental Protection</i> , 2015, 41, 54-63.	1.1	13
31	Phytotoxicity and extractability of heavy metals from industrial wastes. <i>Environmental Protection Engineering</i> , 2017, 43, .	0.1	13
32	Mobility, ecotoxicity, bioaccumulation and sources of trace elements in the bottom sediments of the RoÅ¼nÅ³w reservoir. <i>Environmental Geochemistry and Health</i> , 2021, 43, 4701-4718.	3.4	12
33	Evaluation of ecotoxicological and chemical properties of soil amended with Hudson River (New) Tj ETQq1 1 0.784314 rgBT /Qverlock 11	5.3	11
34	Removal and Ecotoxicity of 2,4-D and MCPA in Microbial Cultures Enriched with Structurally-Similar Plant Secondary Metabolites. <i>Water (Switzerland)</i> , 2019, 11, 1451.	2.7	10
35	Utilization of PCB-contaminated Hudson River sediment by thermal processing and phytoremediation. <i>Science of the Total Environment</i> , 2020, 738, 139841.	8.0	10
36	Enrichment of Different Plant Seeds with Zinc and Assessment of Health Risk of Zn-Fortified Sprouts Consumption. <i>Agronomy</i> , 2020, 10, 937.	3.0	9

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37	Content and health risk assessment of selected elements in the Yerba mate (<i>Ilex paraguariensis</i>), Tj ETQq1 1,0,784314rgBT /Ove	3.4	8
38	Effects of amendments of PCB-containing Hudson River sediment on soil quality and biochemical and growth response of cucumber (<i>Cucumis sativus</i> L. cv "Wisconsin SMR 58"). International Journal of Phytoremediation, 2020, 22, 1224-1232.	3.1	8
39	Content of PAHs, activities of ^{137}Cs -radionuclides and ecotoxicological assessment in biochars. Polish Journal of Chemical Technology, 2016, 18, 27-35.	0.5	7
40	Geochemical Fractions of the Agricultural Soils of Southern Poland and the Assessment of the Potentially Harmful Element Mobility. Minerals (Basel, Switzerland), 2019, 9, 674.	2.0	7
41	Strategy of Cr detoxification by <i>Callitriche cophocarpa</i> . Open Chemistry, 2013, 11, 295-303.	1.9	6
42	Content and health risk assessment of selected elements in commercially available fish and fish products. Human and Ecological Risk Assessment (HERA), 2018, 24, 1623-1641.	3.4	6
43	Mercury contamination of bottom sediments in water reservoirs of southern Poland. Geology Geophysics & Environment, 2015, 41, 169.	1.0	6
44	Assessment of the health risk associated with exposure to heavy metals present in particulate matter deposition in the Małopolska Province. Geology Geophysics and Environment, 2021, 47, 95-107.	0.3	6
45	Agronomic and environmental quality assessment of growing media based on bottom sediment. Journal of Soils and Sediments, 2022, 22, 1355-1367.	3.0	5
46	Biodegradation Potential and Ecotoxicity Assessment in Soil Extracts Amended with Phenoxy Acid Herbicide (2,4-D) and a Structurally-Similar Plant Secondary Metabolite (Ferulic Acid). Bulletin of Environmental Contamination and Toxicology, 2020, 104, 200-205.	2.7	4
47	The application of the germination index in the assessment of the phytotoxicity of bottom sediments from the Rybnik Reservoir. Geology Geophysics & Environment, 2017, 43, 327.	1.0	3
48	Concentration of dioxin and screening level ecotoxicity of pore water from bottom sediments in relation to organic carbon contents. Ecotoxicology, 2021, 30, 57-66.	2.4	2
49	The evaluation of Hudson River sediment as a growth substrate " Microbial activity, PCB-degradation potential and risk assessment. Science of the Total Environment, 2022, 836, 155561.	8.0	2
50	The content and composition of organic matter in bottom sediments of the Rybnik reservoir " preliminary studies. Geology Geophysics & Environment, 2018, 44, 309.	1.0	1
51	Impact of thermal treatment of mixtures of sewage sludge and plant material on selected chemical properties and <i>Vibrio fischeri</i> response. Ecological Chemistry and Engineering S, 2017, 24, 443-455.	1.5	0