

# Edgar Hiller

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

961  
citations

566801

15  
h-index

454577

30  
g-index

40  
all docs

40  
docs citations

40  
times ranked

1374  
citing authors

#	ARTICLE	IF	CITATIONS
1	Arsenic and antimony contamination of waters, stream sediments and soils in the vicinity of abandoned antimony mines in the Western Carpathians, Slovakia. <i>Applied Geochemistry</i> , 2012, 27, 598-614.	1.4	158
2	Impact of wheat straw biochar addition to soil on the sorption, leaching, dissipation of the herbicide (4-chloro-2-methylphenoxy)acetic acid and the growth of sunflower ( <i>Helianthus annuus</i> L.). <i>Ecotoxicology and Environmental Safety</i> , 2013, 92, 215-221.	2.9	105
3	Fungal volatilization of trivalent and pentavalent arsenic under laboratory conditions. <i>Bioresource Technology</i> , 2009, 100, 1037-1040.	4.8	66
4	Sorption, desorption, and degradation of (4-chloro-2-methylphenoxy)acetic acid in representative soils of the Danubian Lowland, Slovakia. <i>Chemosphere</i> , 2012, 87, 437-444.	4.2	49
5	Sorption of Acetochlor, Atrazine, 2,4-d, Chlorotoluron, MCPA, and Trifluralin in Six Soils From Slovakia. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2008, 80, 412-416.	1.3	48
6	Metals in the Surface Sediments of Selected Water Reservoirs, Slovakia. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2010, 84, 635-640.	1.3	45
7	Geochemical and mineralogical characterization of a neutral, low-sulfide/high-carbonate tailings impoundment, Markušovce, eastern Slovakia. <i>Environmental Science and Pollution Research</i> , 2013, 20, 7627-7642.	2.7	41
8	Polycyclic aromatic hydrocarbons in urban soils from kindergartens and playgrounds in Bratislava, the capital city of Slovakia. <i>Environmental Earth Sciences</i> , 2015, 73, 7147-7156.	1.3	39
9	Effect of soil and sediment composition on acetochlor sorption and desorption. <i>Environmental Science and Pollution Research</i> , 2009, 16, 546-554.	2.7	32
10	Concentrations, distributions, and sources of polychlorinated biphenyls and polycyclic aromatic hydrocarbons in bed sediments of the water reservoirs in Slovakia. <i>Environmental Monitoring and Assessment</i> , 2011, 173, 883-897.	1.3	32
11	Environmental Fate of the Herbicide MCPA in Two Soils as Affected by the Presence of Wheat Ash. <i>Water, Air, and Soil Pollution</i> , 2009, 197, 395-402.	1.1	21
12	Occurrence of selected trace metals and their oral bioaccessibility in urban soils of kindergartens and parks in Bratislava (Slovak Republic) as evaluated by simple in vitro digestion procedure. <i>Ecotoxicology and Environmental Safety</i> , 2017, 144, 611-621.	2.9	19
13	Total mercury, chromium, nickel and other trace chemical element contents in soils at an old cinnabar mine site (Merná, Slovakia): anthropogenic versus natural sources of soil contamination. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 263.	1.3	19
14	Natural attenuation of antimony and arsenic in soils at the abandoned Sb-deposit Poproč, Slovakia. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	1.3	19
15	Contaminated soils of different natural pH and industrial origin: The role of (nano) iron- and manganese-based amendments in As, Sb, Pb, and Zn leachability. <i>Environmental Pollution</i> , 2021, 285, 117268.	3.7	19
16	Autochthonous Microbiota in Arsenic-Bearing Technosols from Zemianske Kostoľany (Slovakia) and Its Potential for Bioleaching and Biovolatilization of Arsenic. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	1.1	17
17	The potential impact of geological environment on health status of residents of the Slovak Republic. <i>Environmental Geochemistry and Health</i> , 2014, 36, 543-561.	1.8	16
18	Arsenic Concentrations in Soils Impacted by Dam Failure of Coal-Ash Pond in Zemianske Kostolany, Slovakia. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2011, 86, 433-437.	1.3	15

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19	Effect of temperature and soil pH on the sorption of ibuprofen in agricultural soil. <i>Soil and Water Research</i> , 2017, 12, 78-85.	0.7	15
20	Removal of antimony and arsenic from circum-neutral mine drainage in Poproň, Slovakia: a field treatment system using low-cost iron-based material. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	1.3	15
21	Occurrence and distribution of selected potentially toxic elements in soils of playing sites: a case study from Bratislava, the capital of Slovakia. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	13
22	Dandelion ( <i>Taraxacum officinale</i> ) and Agrimony ( <i>Agrimonia eupatoria</i> ) as Indicators of Geogenic Contamination of Flysch Soils in Eastern Slovakia. <i>Archives of Environmental Contamination and Toxicology</i> , 2016, 70, 475-486.	2.1	13
23	Influence of Wheat Ash on the MCPA Immobilization in Agricultural Soils. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2007, 79, 478-481.	1.3	12
24	Arsenic mobility from anthropogenic impoundment sediments – Consequences of contamination to biota, water and sediments, Poľana, Eastern Slovakia. <i>Applied Geochemistry</i> , 2009, 24, 2175-2185.	1.4	12
25	Geochemistry of Mine Tailings from Processing of Siderite–Cu Ores and Mobility of Selected Metals and Metalloids Evaluated by a Pot Leaching Experiment at the Slovinky Impoundment, Eastern Slovakia. <i>Mine Water and the Environment</i> , 2016, 35, 447-461.	0.9	12
26	Influence of Wheat Ash on the MCPA Immobilization in Agricultural Soils. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2008, 81, 285-288.	1.3	11
27	Geochemical characterization of arsenic-rich coal-combustion ashes buried under agricultural soils and the release of arsenic. <i>Applied Geochemistry</i> , 2013, 33, 153-164.	1.4	11
28	Concentrations of selected trace elements in surface soils near crossroads in the city of Bratislava (the Slovak Republic). <i>Environmental Science and Pollution Research</i> , 2021, 28, 5455-5471.	2.7	11
29	Metal(loid) concentrations, bioaccessibility and stable lead isotopes in soils and vegetables from urban community gardens. <i>Chemosphere</i> , 2022, 305, 135499.	4.2	11
30	Polycyclic Aromatic Hydrocarbons in Bottom Sediments from Three Water Reservoirs, Slovakia. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2009, 83, 444-448.	1.3	9
31	Hard Water, More Elastic Arteries: A Case Study from Krupina District, Slovakia. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1521.	1.2	9
32	Trace elements in two particle size fractions of urban soils collected from playgrounds in Bratislava (Slovakia). <i>Environmental Geochemistry and Health</i> , 2020, 42, 3925-3947.	1.8	9
33	Influence of Wheat Ash on the MCPA Immobilization in Agricultural Soils. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2007, 78, 345-348.	1.3	7
34	Occurrence of selected organochlorine pesticide residues in surface sediments from the Velke Kozmalovce, Ruzin, and Zemplínska Sirava water reservoirs, Slovakia. <i>Journal of Hydrology and Hydromechanics</i> , 2011, 59, .	0.7	7
35	Arsenic in Playground Soils from Kindergartens and Green Recreational Areas of Bratislava City (Slovakia): Occurrence and Gastric Bioaccessibility. <i>Archives of Environmental Contamination and Toxicology</i> , 2018, 75, 402-414.	2.1	7
36	Interaction and fractionation of added cadmium in some typical soils of the Danubian Lowland. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2011, 287, 157-165.	0.7	4

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37	Proposal of New Health Risk Assessment Method for Deficient Essential Elements in Drinking Water – Case Study of the Slovak Republic. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 5915.	1.2	4
38	Sixteen priority polycyclic aromatic hydrocarbons in roadside soils at traffic light intersections (Bratislava, Slovakia): concentrations, sources and influencing factors. <i>Environmental Geochemistry and Health</i> , 2022, 44, 3473-3492.	1.8	4
39	Arsenic and zinc in impoundment materials and related stream sediments from a polluted area in Eastern Slovakia: distribution, mobility, and water quality. <i>Journal of Hydrology and Hydromechanics</i> , 2009, 57, .	0.7	3
40	Environmental Availability of Trace Metals (Mercury, Chromium and Nickel) in Soils from the Abandoned Mine Area of Merník (Eastern Slovakia). <i>Polish Journal of Environmental Studies</i> , 2021, 30, 5013-5025.	0.6	2