Edgar Hiller

List of Publications by Year
in descending order

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	Sixteen priority polycyclic aromatic hydrocarbons in roadside soils at traffic light intersections (Bratislava, Slovakia): concentrations, sources and influencing factors. Environmental Geochemistry and Health, 2022, 44, 3473-3492.	1.8	4
2	Metal(loid) concentrations, bioaccessibility and stable lead isotopes in soils and vegetables from urban community gardens. Chemosphere, 2022, 305, 135499.	4.2	11
3	Concentrations of selected trace elements in surface soils near crossroads in the city of Bratislava (the Slovak Republic). Environmental Science and Pollution Research, 2021, 28, 5455-5471.	2.7	11
4	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. Environmental Pollution, 2021, 285, 117268.	3.7	19
5	Environmental Availability of Trace Metals (Mercury, Chromium and Nickel) in Soils from the Abandoned Mine Area of MernÃk (Eastern Slovakia). Polish Journal of Environmental Studies, 2021, 30, 5013-5025.	0.6	2
6	Proposal of New Health Risk Assessment Method for Deficient Essential Elements in Drinking Waterâ€"Case Study of the Slovak Republic. International Journal of Environmental Research and Public Health, 2020, 17, 5915.	1.2	4
7	Trace elements in two particle size fractions of urban soils collected from playgrounds in Bratislava (Slovakia). Environmental Geochemistry and Health, 2020, 42, 3925-3947.	1.8	9
8	Hard Water, More Elastic Arteries: A Case Study from Krupina District, Slovakia. International Journal of Environmental Research and Public Health, 2019, 16, 1521.	1.2	9
9	Total mercury, chromium, nickel and other trace chemical element contents in soils at an old cinnabar mine site (MernÃk, Slovakia): anthropogenic versus natural sources of soil contamination. Environmental Monitoring and Assessment, 2019, 191, 263.	1.3	19
10	Natural attenuation of antimony and arsenic in soils at the abandoned Sb-deposit PoproÄ, Slovakia. Environmental Earth Sciences, 2019, 78, 1.	1.3	19
11	Arsenic in Playground Soils from Kindergartens and Green Recreational Areas of Bratislava City (Slovakia): Occurrence and Gastric Bioaccessibility. Archives of Environmental Contamination and Toxicology, 2018, 75, 402-414.	2.1	7
12	Removal of antimony and arsenic from circum-neutral mine drainage in PoproÄ, Slovakia: a field treatment system using low-cost iron-based material. Environmental Earth Sciences, 2018, 77, 1.	1.3	15
13	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. Ecotoxicology and Environmental Safety, 2017, 144, 611-621.	2.9	19
14	Effect of temperature and soil pH on the sorption of ibuprofen in agricultural soil. Soil and Water Research, 2017, 12, 78-85.	0.7	15
15	Autochthonous Microbiota in Arsenic-Bearing Technosols from Zemianske KostoÄ¾any (Slovakia) and Its Potential for Bioleaching and Biovolatilization of Arsenic. Water, Air, and Soil Pollution, 2016, 227, 1.	1.1	17
16	Occurrence and distribution of selected potentially toxic elements in soils of playing sites: a case study from Bratislava, the capital of Slovakia. Environmental Earth Sciences, 2016, 75, 1.	1.3	13
17	Geochemistry of Mine Tailings from Processing of Sideriteâ€"Cu Ores and Mobility of Selected Metals and Metalloids Evaluated by a Pot Leaching Experiment at the Slovinky Impoundment, Eastern Slovakia. Mine Water and the Environment, 2016, 35, 447-461.	0.9	12
18	Dandelion (Taraxacum officinale) and Agrimony (Agrimonia eupatoria) as Indicators of Geogenic Contamination of Flysch Soils in Eastern Slovakia. Archives of Environmental Contamination and Toxicology, 2016, 70, 475-486.	2.1	13

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19	Polycyclic aromatic hydrocarbons in urban soils from kindergartens and playgrounds in Bratislava, the capital city of Slovakia. Environmental Earth Sciences, 2015, 73, 7147-7156.	1.3	39
20	The potential impact of geological environment on health status of residents of the Slovak Republic. Environmental Geochemistry and Health, 2014, 36, 543-561.	1.8	16
21	Geochemical and mineralogical characterization of a neutral, low-sulfide/high-carbonate tailings impoundment, MarkuÅ¡ovce, eastern Slovakia. Environmental Science and Pollution Research, 2013, 20, 7627-7642.	2.7	41
22	Geochemical characterization of arsenic-rich coal-combustion ashes buried under agricultural soils and the release of arsenic. Applied Geochemistry, 2013, 33, 153-164.	1.4	11
23	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 (Helianthus annuus L.). Ecotoxicology and Environmental Safety, 2013, 92, 215-221.	2.9	105
24	Arsenic and antimony contamination of waters, stream sediments and soils in the vicinity of abandoned antimony mines in the Western Carpathians, Slovakia. Applied Geochemistry, 2012, 27, 598-614.	1.4	158
25	Sorption, desorption, and degradation of (4-chloro-2-methylphenoxy)acetic acid in representative soils of the Danubian Lowland, Slovakia. Chemosphere, 2012, 87, 437-444.	4.2	49
26	Occurrence of selected organochlorine pesticide residues in surface sediments from the Velke Kozmalovce, Ruzin, and Zemplinska Sirava water reservoirs, Slovakia. Journal of Hydrology and Hydromechanics, 2011, 59, .	0.7	7
27	Concentrations, distributions, and sources of polychlorinated biphenyls and polycyclic aromatic hydrocarbons in bed sediments of the water reservoirs in Slovakia. Environmental Monitoring and Assessment, 2011, 173, 883-897.	1.3	32
28	Interaction and fractionation of added cadmium in some typical soils of the Danubian Lowland. Journal of Radioanalytical and Nuclear Chemistry, 2011, 287, 157-165.	0.7	4
29	Arsenic Concentrations in Soils Impacted by Dam Failure of Coal-Ash Pond in Zemianske Kostolany, Slovakia. Bulletin of Environmental Contamination and Toxicology, 2011, 86, 433-437.	1.3	15
30	Metals in the Surface Sediments of Selected Water Reservoirs, Slovakia. Bulletin of Environmental Contamination and Toxicology, 2010, 84, 635-640.	1.3	45
31	Arsenic and zinc in impoundment materials and related stream sediments from a polluted area in Eastern Slovakia: distribution, mobility, and water quality. Journal of Hydrology and Hydromechanics, 2009, 57, .	0.7	3
32	Environmental Fate of the Herbicide MCPA in Two Soils as Affected by the Presence of Wheat Ash. Water, Air, and Soil Pollution, 2009, 197, 395-402.	1.1	21
33	Effect of soil and sediment composition on acetochlor sorption and desorption. Environmental Science and Pollution Research, 2009, 16, 546-554.	2.7	32
34	Polycyclic Aromatic Hydrocarbons in Bottom Sediments from Three Water Reservoirs, Slovakia. Bulletin of Environmental Contamination and Toxicology, 2009, 83, 444-448.	1.3	9
35	Fungal volatilization of trivalent and pentavalent arsenic under laboratory conditions. Bioresource Technology, 2009, 100, 1037-1040.	4.8	66
36	Arsenic mobility from anthropogenic impoundment sediments â€“ Consequences of contamination to biota, water and sediments, PoÅ¡a, Eastern Slovakia. Applied Geochemistry, 2009, 24, 2175-2185.	1.4	12

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37	Influence of Wheat Ash on the MCPA Immobilization in Agricultural Soils. Bulletin of Environmental Contamination and Toxicology, 2008, 81, 285-288.	1.3	11
38	Sorption of Acetochlor, Atrazine, 2,4-d, Chlorotoluron, MCPA, and Trifluralin in Six Soils From Slovakia. Bulletin of Environmental Contamination and Toxicology, 2008, 80, 412-416.	1.3	48
39	Influence of Wheat Ash on the MCPA Immobilization in Agricultural Soils. Bulletin of Environmental Contamination and Toxicology, 2007, 78, 345-348.	1.3	7
40	Influence of Wheat Ash on the MCPA Immobilization in Agricultural Soils. Bulletin of Environmental Contamination and Toxicology, 2007, 79, 478-481.	1.3	12