

# Katalin Gruiz

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

35  
papers

1,030  
citations

18  
h-index

32  
g-index

35  
ext. papers

1,161  
ext. citations

5.5  
avg, IF

3.98  
L-index

#	Paper	IF	Citations
35	Long-term effects of grain husk and paper fibre sludge biochar on acidic and calcareous sandy soils - A scale-up field experiment applying a complex monitoring toolkit. <i>Science of the Total Environment</i> , <b>2020</b> , 731, 138988	10.2	17
34	Removal of hazardous micropollutants from treated wastewater using cyclodextrin bead polymer - A pilot demonstration case. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 383, 121181	12.8	31
33	Microcosm incubation study for monitoring the mid-term effects of different biochars on acidic sandy soil applying a multiparameter approach. <i>Chemical Engineering Research and Design</i> , <b>2018</b> , 120, 24-36	5.5	2
32	Red mud as acidic sandy soil ameliorant: a microcosm incubation study. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2016</b> , 91, 1596-1606	3.5	13
31	Direct toxicity assessment - Methods, evaluation, interpretation. <i>Science of the Total Environment</i> , <b>2016</b> , 563-564, 803-12	10.2	11
30	The potential application of red mud and soil mixture as additive to the surface layer of a landfill cover system. <i>Journal of Environmental Sciences</i> , <b>2016</b> , 44, 189-196	6.4	20
29	Acidic sandy soil improvement with biochar - A microcosm study. <i>Science of the Total Environment</i> , <b>2016</b> , 563-564, 855-65	10.2	48
28	Leaching of copper and nickel in soil-water systems contaminated by bauxite residue (red mud) from Ajka, Hungary: the importance of soil organic matter. <i>Environmental Science and Pollution Research</i> , <b>2015</b> , 22, 10800-10	5.1	32
27	Environmental Toxicity Assessment of the Spilled Ajka Red Mud in Soil Microcosms for Its Potential Utilisation as Soil Ameliorant. <i>Periodica Polytechnica: Chemical Engineering</i> , <b>2015</b> , 59, 253-261	1.3	23
26	Assessing Toxicity of Organic Aquatic Micropollutants Based on the Total Chlorophyll Content of Lemna minor as a Sensitive Endpoint. <i>Periodica Polytechnica: Chemical Engineering</i> , <b>2015</b> , 59, 262-271	1.3	25
25	Removal of emerging micropollutants from water using cyclodextrin. <i>Science of the Total Environment</i> , <b>2014</b> , 485-486, 711-719	10.2	56
24	Mobilisation of arsenic from bauxite residue (red mud) affected soils: Effect of pH and redox conditions. <i>Applied Geochemistry</i> , <b>2014</b> , 51, 268-277	3.5	42
23	Gypsum addition to soils contaminated by red mud: implications for aluminium, arsenic, molybdenum and vanadium solubility. <i>Environmental Geochemistry and Health</i> , <b>2013</b> , 35, 643-56	4.7	41
22	Behavior of aluminum, arsenic, and vanadium during the neutralization of red mud leachate by HCl, gypsum, or seawater. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 6527-35	10.3	94
21	Effects of leaching from alkaline red mud on soil biota: modelling the conditions after the Hungarian red mud disaster. <i>Chemistry and Ecology</i> , <b>2013</b> , 29, 709-723	2.3	21
20	Comparative evaluation of microbial and chemical methods for assessing 4-chlorophenol biodegradation in soil. <i>Periodica Polytechnica: Chemical Engineering</i> , <b>2013</b> , 57, 25	1.3	12
19	Red Mud as a Chemical Stabilizer for Soil Contaminated with Toxic Metals. <i>Water, Air, and Soil Pollution</i> , <b>2012</b> , 223, 1237-1247	2.6	35

18	Environmental Risk Assessment of Red Mud Contaminated Land in Hungary <b>2012</b> ,		7
17	Ecotoxicity of fluvial sediments downstream of the Ajka red mud spill, Hungary. <i>Journal of Environmental Monitoring</i> , <b>2012</b> , 14, 2063-71		47
16	Speciation of arsenic, chromium, and vanadium in red mud samples from the Ajka spill site, Hungary. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 3085-92	10.3	114
15	Application of cyclodextrins in environmental bioassays for soil. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , <b>2011</b> , 70, 307-313		5
14	Dispersal and attenuation of trace contaminants downstream of the Ajka bauxite residue (red mud) depository failure, Hungary. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 5147-55	10.3	127
13	Change of Bioaccumulation of Toxic Metals in Vegetables. <i>Communications in Soil Science and Plant Analysis</i> , <b>2009</b> , 40, 285-293	1.5	12
12	Integrated and efficient assessment of contaminated sites. <i>Land Contamination and Reclamation</i> , <b>2009</b> , 17, 371-384		4
11	Measuring adverse effects of contaminated soil using interactive and dynamic test methods. <i>Land Contamination and Reclamation</i> , <b>2009</b> , 17, 443-459		9
10	Laboratory testing of biodegradation in soil: a comparison of chemical and biological methods. <i>Land Contamination and Reclamation</i> , <b>2009</b> , 17, 495-506		5
9	Introduction: smart environmental management. <i>Land Contamination and Reclamation</i> , <b>2009</b> , 17, 315-317		2
8	Development of an innovative soil remediation: "Cyclodextrin-enhanced combined technology". <i>Science of the Total Environment</i> , <b>2008</b> , 392, 12-21	10.2	18
7	Chemical Stabilisation Combined with Phytostabilisation Applied to Mine Waste Contaminated Soils in Hungary. <i>Advanced Materials Research</i> , <b>2007</b> , 20-21, 315-318	0.5	2
6	Environmental Toxicity Testing in the Risk Assessment of a Metal Contaminated Abandoned Mining Site in Hungary. <i>Advanced Materials Research</i> , <b>2007</b> , 20-21, 193-196	0.5	1
5	Environmental Risk Management of an Abandoned Mining Site in Hungary. <i>Advanced Materials Research</i> , <b>2007</b> , 20-21, 221-225	0.5	1
4	Comparison of bioassays by testing whole soil and their water extract from contaminated sites. <i>Chemosphere</i> , <b>2007</b> , 66, 428-34	8.4	96
3	Enhanced biodegradation of transformer oil in soils with cyclodextrin--from the laboratory to the field. <i>Biodegradation</i> , <b>2005</b> , 16, 159-68	4.1	42
2	Quantitative and Qualitative Analysis of RAMEB in Soil. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , <b>2002</b> , 44, 413-416		7
1	Variability in microbial populations in soil highly polluted with heavy metals on the basis of substrate utilization pattern analysis. <i>Journal of Soils and Sediments</i> , <b>2001</b> , 1, 151-158	3.4	8

