

# Gergely Jakab

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

586  
citations

623734

14  
h-index

752698

20  
g-index

58  
all docs

58  
docs citations

58  
times ranked

517  
citing authors

#	ARTICLE	IF	CITATIONS
1	Occurrence of pharmaceuticals in the Danube and drinking water wells: Efficiency of riverbank filtration. <i>Environmental Pollution</i> , 2020, 265, 114893.	7.5	46
2	Infiltration and Soil Loss Changes during the Growing Season under Ploughing and Conservation Tillage. <i>Sustainability</i> , 2017, 9, 1726.	3.2	30
3	Long-term effects of conservation tillage on soil erosion in Central Europe: A random forest-based approach. <i>Soil and Tillage Research</i> , 2021, 209, 104959.	5.6	29
4	Land Levelling. , 2006, , 643-658.		26
5	The use of UVâ€VISâ€NIR reflectance spectroscopy to identify iron minerals. <i>Astronomische Nachrichten</i> , 2013, 334, 940-943.	1.2	26
6	COMPARISON OF PARTICLE-SIZE ANALYZING LABORATORY METHODS. <i>Environmental Engineering and Management Journal</i> , 2015, 14, 1125-1135.	0.6	23
7	Effectiveness of biological geotextiles for soil and water conservation in different agroâ€environments. <i>Land Degradation and Development</i> , 2011, 22, 495-504.	3.9	22
8	Occurrence and health risk assessment of pharmaceutically active compounds in riverbank filtrated drinking water. <i>Journal of Water Process Engineering</i> , 2021, 41, 102039.	5.6	22
9	Pharmaceuticals in water and sediment of small streams under the pressure of urbanization: Concentrations, interactions, and risks. <i>Science of the Total Environment</i> , 2022, 808, 152160.	8.0	22
10	GIS-Based Multi-Criteria and Multi-Objective Evaluation for Sustainable Land-Use Planning (Case Study:) Tj ETQq0 0.0 rgBT /Overlock 10 <i>Environmental Research</i> , 2021, 15, 457-474.	2.3	20
11	Redistribution of Soil Organic Carbon Triggered by Erosion at Field Scale Under Subhumid Climate, Hungary. <i>Pedosphere</i> , 2016, 26, 652-665.	4.0	19
12	Conservation tillage vs. conventional tillage: long-term effects on yields in continental, sub-humid Central Europe, Hungary. <i>International Journal of Agricultural Sustainability</i> , 2016, 14, 408-427.	3.5	18
13	Kinetic parameters of soil organic matter decomposition in soils under forest in Hungary. <i>Geoderma Regional</i> , 2018, 14, e00187.	2.1	18
14	Changes in organic carbon concentration and organic matter compound of erosion-delivered soil aggregates. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	2.7	16
15	Evaluation of the effect of the intrinsic chemical properties of pharmaceutically active compounds (PhACs) on sorption behaviour in soils and goethite. <i>Ecotoxicology and Environmental Safety</i> , 2021, 215, 112120.	6.0	16
16	Soil erodibility calculations based on different particle size distribution measurements. <i>Hungarian Geographical Bulletin</i> , 2015, 64, 17-23.	0.9	16
17	Chemical composition of labile carbon fractions in Hungarian forest soils: Insight into biogeochemical coupling between DOM and POM. <i>Geoderma</i> , 2022, 419, 115867.	5.1	15
18	Comparison of EUROSEM, WEPP, and MEDRUSH model calculations with measured runoff and soil-loss data from rainfall simulations in Hungary. <i>Journal of Plant Nutrition and Soil Science</i> , 2009, 172, 789-797.	1.9	13

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19	Utilising biological geotextiles: Introduction to the BORASSUS project and global perspectives. <i>Land Degradation and Development</i> , 2011, 22, 453-462.	3.9	13
20	Thermal baths as sources of pharmaceutical and illicit drug contamination. <i>Environmental Science and Pollution Research</i> , 2020, 27, 399-410.	5.3	13
21	Spatial and temporal heterogeneity of runoff and soil loss dynamics under simulated rainfall. <i>Hungarian Geographical Bulletin</i> , 2015, 64, 25-34.	0.9	11
22	Differences in Mineral Phase Associated Soil Organic Matter Composition due to Varying Tillage Intensity. <i>Agronomy</i> , 2019, 9, 700.	3.0	10
23	Soil Organic Matter Alteration Velocity due to Land-Use Change: A Case Study under Conservation Agriculture. <i>Sustainability</i> , 2018, 10, 943.	3.2	9
24	Effects of pharmaceutically active compounds (PhACs) on fish body and scale shape in natural waters. <i>PeerJ</i> , 2021, 9, e10642.	2.0	8
25	Comparison of the Applicability of Different Soil Erosion Models to Predict Soil Erodibility Factor and Event Soil Losses on Loess Slopes in Hungary. <i>Water (Switzerland)</i> , 2021, 13, 3517.	2.7	8
26	Biological geotextiles as a tool for soil moisture conservation. <i>Land Degradation and Development</i> , 2011, 22, 472-479.	3.9	7
27	Examination of sample preparation methods for the laser grain size analysis of soils with high organic matter content. <i>Agrokemia Es Talajtan</i> , 2012, 61, 381-398.	0.2	7
28	Spatial and Temporal Changes in Infiltration and Aggregate Stability: A Case Study of a Subhumid Irrigated Cropland. <i>Water (Switzerland)</i> , 2019, 11, 876.	2.7	7
29	The Use of Various Rainfall Simulators in the Determination of the Driving Forces of Changes in Sediment Concentration and Clay Enrichment. <i>Water (Switzerland)</i> , 2020, 12, 2856.	2.7	7
30	Accelerated soil development due to seasonal water-saturation under hydric conditions. <i>Geoderma</i> , 2021, 401, 115328.	5.1	7
31	Soil organic matter characterisation by photometric indices or photon correlation spectroscopy: are they comparable?. <i>Hungarian Geographical Bulletin</i> , 2018, 67, 109-120.	0.9	7
32	The erubÁiz volcanic soil of Hungary: Mineralogy and classification. <i>Catena</i> , 2013, 107, 46-56.	5.0	6
33	Comparison of Soil Bacterial Communities from Juvenile Maize Plants of a Long-Term Monoculture and a Natural Grassland. <i>Agronomy</i> , 2020, 10, 341.	3.0	6
34	Investigation of the sorption of 17 $\beta$ -ethynylestradiol (EE2) on soils formed under aerobic and anaerobic conditions. <i>Chemosphere</i> , 2020, 240, 124817.	8.2	5
35	Carbon Isotope Measurements to Determine the Turnover of Soil Organic Matter Fractions in a Temperate Forest Soil. <i>Agronomy</i> , 2020, 10, 1944.	3.0	5
36	Comparison of magnesium determination methods on Hungarian soils. <i>Soil and Water Research</i> , 2020, 15, 173-180.	1.7	5

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37	Granulometric properties of particles in Upper Miocene sandstones from thin sections, Szolnok Formation, Hungary. <i>Hungarian Geographical Bulletin</i> , 2019, 68, 341-353.	0.9	5
38	Geotextile as a tool against soil erosion in vineyards and orchards. <i>WIT Transactions on Ecology and the Environment</i> , 2007, , .	0.0	5
39	Soil organic matter characterisation using alkali and water extraction, and its relation to soil properties. <i>Geoderma Regional</i> , 2022, 28, e00469.	2.1	5
40	A 300-year record of sedimentation in a small tilled catena in Hungary based on $\delta^{13}C$ , $\delta^{15}N$ , and C/N distribution. <i>Journal of Soils and Sediments</i> , 2018, 18, 1767-1779.	3.0	4
41	Contributions of biogeotextiles to sustainable development and soil conservation in developing countries: the BORASSUS Project. <i>WIT Transactions on Ecology and the Environment</i> , 2007, , .	0.0	4
42	Spatial analysis of changes and anomalies of intense rainfalls in Hungary. <i>Hungarian Geographical Bulletin</i> , 0, , 241-253.	0.9	4
43	Dataset of pharmaceuticals in the Danube and related drinking water wells in the Budapest region. <i>Data in Brief</i> , 2020, 32, 106062.	1.0	3
44	The BORASSUS Project: aims, objectives and preliminary insights into the environmental and socio-economic contribution of biogeotextiles to sustainable development and soil conservation. <i>WIT Transactions on Ecology and the Environment</i> , 2007, , .	0.0	3
45	Comparing Different Phosphorus Extraction Methods: Effects of Influencing Parameters. <i>Sustainability</i> , 2022, 14, 2158.	3.2	3
46	Vertical differentiation of pedogenic iron forms – a key of hydromorphic soil profile development. <i>Hungarian Geographical Bulletin</i> , 2021, 70, 369-380.	0.9	3
47	Facing to real sustainability – conservation agricultural practices around the world. <i>Environmental Science and Pollution Research</i> , 2018, 25, 975-976.	5.3	2
48	Rare earth oxide tracking coupled with 3D soil surface modelling: an opportunity to study small-scale soil redistribution. <i>Journal of Soils and Sediments</i> , 2020, 20, 2405-2417.	3.0	2
49	Different land-use intensities and their susceptibility to soil erosion. <i>Agrokemia Es Talajtan</i> , 2019, 68, 14-23.	0.2	2
50	Soil Organic Carbon Redistribution by Erosion on Arable Fields. , 2014, , 289-296.		2
51	Characterization of Soil Organic Substances by UV-Vis Spectrophotometry in Some Soils of Hungary. , 2014, , 127-136.		1
52	Gully erosion risk in Hungary. <i>WIT Transactions on Information and Communication Technologies</i> , 2012, , .	0.0	0