

# Brigitta Tth

## 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.

30  
papers

1,082  
citations

12  
h-index

32  
g-index

53  
ext. papers

1,342  
ext. citations

3.4  
avg, IF

4.12  
L-index

#	Paper	IF	Citations
30	In Situ Observation-Constrained Global Surface Soil Moisture Using Random Forest Model. <i>Remote Sensing</i> , <b>2021</b> , 13, 4893	5	6
29	Mapping Water Infiltration Rate Using Ground and UAV Hyperspectral Data: A Case Study of Alento, Italy. <i>Remote Sensing</i> , <b>2021</b> , 13, 2606	5	8
28	Promising Agricultural Management Practices and Soil Threats in Europe and China. <i>Innovations in Landscape Research</i> , <b>2021</b> , 195-213	0.5	
27	Evaluation of pedotransfer functions for predicting soil hydraulic properties: A voyage from regional to field scales across Europe. <i>Journal of Hydrology: Regional Studies</i> , <b>2021</b> , 37, 100903	3.6	1
26	Updated European hydraulic pedotransfer functions with communicated uncertainties in the predicted variables (euptfv2). <i>Geoscientific Model Development</i> , <b>2021</b> , 14, 151-175	6.3	5
25	An Integrative Information Aqueduct to Close the Gaps between Satellite Observation of Water Cycle and Local Sustainable Management of Water Resources. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 1495	3	7
24	Visual assessment of the impact of agricultural management practices on soil quality. <i>Agronomy Journal</i> , <b>2020</b> , 112, 2608-2623	2.2	12
23	Farming by soil in Europe: status and outlook of cropping systems under different pedoclimatic conditions. <i>PeerJ</i> , <b>2020</b> , 8, e8984	3.1	2
22	Mapping soil hydraulic properties using random-forest-based pedotransfer functions and geostatistics. <i>Hydrology and Earth System Sciences</i> , <b>2019</b> , 23, 2615-2635	5.5	35
21	Evaluation of soil texture determination using soil fraction data resulting from laser diffraction method. <i>International Agrophysics</i> , <b>2019</b> , 33, 445-454	2	7
20	Becslt talajhidrolgikai paramterek szimulci vizsglata a NAIK Erdszeti Tudomnyos Intzet kn mintaterletn. <i>Agrokemia Es Talajtan</i> , <b>2019</b> , 68, 13-36	0.1	
19	Assessment of promising agricultural management practices. <i>Science of the Total Environment</i> , <b>2019</b> , 649, 610-619	10.2	25
18	On the Use of Unmanned Aerial Systems for Environmental Monitoring. <i>Remote Sensing</i> , <b>2018</b> , 10, 641	5	305
17	Development and analysis of the Soil Water Infiltration Global database. <i>Earth System Science Data</i> , <b>2018</b> , 10, 1237-1263	10.5	54
16	3D soil hydraulic database of Europe at 250 m resolution. <i>Hydrological Processes</i> , <b>2017</b> , 31, 2662-2666	3.3	62
15	Pedotransfer functions for converting laser diffraction particle-size data to conventional values. <i>European Journal of Soil Science</i> , <b>2017</b> , 68, 769-782	3.4	23
14	Pedotransfer Functions in Earth System Science: Challenges and Perspectives. <i>Reviews of Geophysics</i> , <b>2017</b> , 55, 1199-1256	23.1	186

13	A talajok mechanikai összetétel vizsgálatára pipettás eljárással készített adatok alapján a hazai és nemzetközi szabvány szerinti eljárások összehasonlítása és konverziója. <i>Agrokémia Es Talajtan</i> , <b>2017</b> , 66, 295-315	0.1	
12	New generation of hydraulic pedotransfer functions for Europe. <i>European Journal of Soil Science</i> , <b>2015</b> , 66, 226-238	3.4	136
11	Particle-size and organic matter effects on structure and water retention of soils. <i>Biologia (Poland)</i> , <b>2015</b> , 70, 1456-1461	1.5	10
10	Pedotransfer in soil physics: trends and outlook [A review] <i>Agrokémia Es Talajtan</i> , <b>2015</b> , 64, 339-360	0.1	15
9	Phosphorus levels in croplands of the European Union with implications for P fertilizer use. <i>European Journal of Agronomy</i> , <b>2014</b> , 55, 42-52	5	103
8	Role of soil properties in water retention characteristics of main Hungarian soil types. <i>Journal of Central European Agriculture</i> , <b>2014</b> , 15, 137-153	1.3	9
7	Comparison of pedotransfer functions to estimate the van Genuchten parameters from soil survey information. <i>Agrokémia Es Talajtan</i> , <b>2013</b> , 62, 5-22	0.1	3
6	Water Retention of Salt-Affected Soils: Quantitative Estimation Using Soil Survey Information. <i>Arid Land Research and Management</i> , <b>2012</b> , 26, 103-121	1.8	20
5	Introduction of the Hungarian Detailed Soil Hydrophysical Database (MARTHA) and its use to test external pedotransfer functions. <i>Agrokémia Es Talajtan</i> , <b>2010</b> , 59, 29-38	0.1	20
4	Talajok vízretentációs és vízvezetési tulajdonságai. <i>Agrokémia Es Talajtan</i> , <b>2010</b> , 59, 379-398	0.1	3
3	Study the estimation possibilities of soil hydraulic conductivity. <i>Cereal Research Communications</i> , <b>2006</b> , 34, 327-330	1.1	9
2	Use of Soil Water Retention Capacity and Hydraulic Conductivity Estimation in the Preparation of Soil Water Management Maps. <i>Agrokémia Es Talajtan</i> , <b>2006</b> , 55, 49-58	0.1	5
1	Input database related uncertainty of Biome-BGCMuSo agro-environmental model outputs. <i>International Journal of Digital Earth</i> , 1-20	3.9	1