

Christina Bogner

List of Publications by Citations

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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.

34
papers

838
citations

12
h-index

28
g-index

52
ext. papers

1,102
ext. citations

6.3
avg, IF

4.15
L-index

#	Paper	IF	Citations
34	Identification and quantification of macro- and microplastics on an agricultural farmland. <i>Scientific Reports</i> , 2018 , 8, 17950	4.9	251
33	Climate-land-use interactions shape tropical mountain biodiversity and ecosystem functions. <i>Nature</i> , 2019 , 568, 88-92	50.4	173
32	Analysing flow patterns from dye tracer experiments in a forest soil using extreme value statistics. <i>European Journal of Soil Science</i> , 2007 , 59, 103-113	3.4	57
31	Effects of soil frost on nitrogen net mineralization, soil solution chemistry and seepage losses in a temperate forest soil. <i>Global Change Biology</i> , 2009 , 15, 825-836	11.4	47
30	Identifying the Functional Macropore Network Related to Preferential Flow in Structured Soils. <i>Vadose Zone Journal</i> , 2015 , 14, vzj2015.05.0070	2.7	38
29	Investigating flow mechanisms in a forest soil by mixed-effects modelling. <i>European Journal of Soil Science</i> , 2010 , 61, 1079-1090	3.4	36
28	Impact of preferential flow on soil chemistry of a podzol. <i>Geoderma</i> , 2012 , 175-176, 37-46	6.7	32
27	Analysing land cover and land use change in the Matobo National Park and surroundings in Zimbabwe. <i>Remote Sensing of Environment</i> , 2017 , 194, 278-286	13.2	28
26	Characterising flow patterns in soils by feature extraction and multiple consensus clustering. <i>Ecological Informatics</i> , 2013 , 15, 44-52	4.2	19
25	Deriving a per-field land use and land cover map in an agricultural mosaic catchment. <i>Earth System Science Data</i> , 2014 , 6, 339-352	10.5	19
24	Tree growth and water-use in hyper-arid Acacia occurs during the hottest and driest season. <i>Oecologia</i> , 2018 , 188, 695-705	2.9	14
23	Crop selection under price and yield fluctuation: Analysis of agro-economic time series from South Korea. <i>Agricultural Systems</i> , 2016 , 148, 1-11	6.1	12
22	Classification of rare land cover types: Distinguishing annual and perennial crops in an agricultural catchment in South Korea. <i>PLoS ONE</i> , 2018 , 13, e0190476	3.7	12
21	Quantifying the morphology of flow patterns in landslide-affected and unaffected soils. <i>Journal of Hydrology</i> , 2014 , 511, 460-473	6	12
20	Microtopography, water storage and flow patterns in a fine-textured soil under agricultural use. <i>Hydrological Processes</i> , 2013 , 27, 1797-1806	3.3	12
19	In-situ prediction of soil organic carbon by vis-NIR spectroscopy: an efficient use of limited field data. <i>European Journal of Soil Science</i> , 2017 , 68, 689-702	3.4	12
18	Is Ridge Cultivation Sustainable? A Case Study from the Haeon Catchment, South Korea. <i>Applied and Environmental Soil Science</i> , 2013 , 2013, 1-11	3.8	11

17	Minor response of gross N turnover and N leaching to drying, rewetting and irrigation in the topsoil of a Norway spruce forest. <i>European Journal of Soil Science</i> , 2011 , 62, 709-717	3.4	10
16	Crop diversity and stability of revenue on farms in Central Europe: An analysis of big data from a comprehensive agricultural census in Bavaria. <i>PLoS ONE</i> , 2018 , 13, e0207454	3.7	8
15	Visualization and Analysis of Flow Patterns and Water Flow Simulations in Disturbed and Undisturbed Tropical Soils. <i>Ecological Studies</i> , 2008 , 387-396	1.1	6
14	Rapid estimation of Brilliant Blue concentrations in soil by vis diffuse reflectance spectroscopy. <i>Geoderma</i> , 2011 , 164, 95-98	6.7	5
13	. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016 , 9, 3941-3956	4.7	5
12	Viscous Flow Approach to Pushing Out Old Water From Undisturbed and Repacked Soil Columns. <i>Vadose Zone Journal</i> , 2019 , 18, 1-10	2.7	4
11	Tracing the horizontal transport of microplastics on rough surfaces. <i>Microplastics and Nanoplastics</i> , 2021 , 1,		4
10	Distribution of Traditional Irrigation Canals and Their Discharge Dynamics at the Southern Slopes of Mount Kilimanjaro. <i>Frontiers in Environmental Science</i> , 2019 , 7,	4.8	2
9	Predicting with limited data – Increasing the accuracy in vis-nir diffuse reflectance spectroscopy by smote 2014 ,		2
8	Species richness is more important for ecosystem functioning than species turnover along an elevational gradient. <i>Nature Ecology and Evolution</i> , 2021 , 5, 1582-1593	12.3	2
7	Dynamics of Water Flow in a Forest Soil: Visualization and Modelling. <i>Ecological Studies</i> , 2017 , 137-156	1.1	1
6	Climbing up the hills: expansion of agriculture around the Ruma National Park, Kenya. <i>International Journal of Remote Sensing</i> , 2019 , 40, 6720-6736	3.1	1
5	Image analysis for soil dye tracer infiltration studies 2012 ,		1
4	Deriving a per-field land use and land cover map in an agricultural mosaic catchment		1
3	Catchment Evapotranspiration and Runoff. <i>Ecological Studies</i> , 2017 , 355-375	1.1	1
2	Flooding frequency and floodplain topography determine abundance of microplastics in an alluvial Rhine soil.. <i>Science of the Total Environment</i> , 2022 , 155141	10.2	0
1	Soil Measurements. <i>Springer Handbooks</i> , 2021 , 1625-1652	1.3	