# Christina Bogner

List of Publications by Year
in descending order



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|---|---|---|---|
| 34 papers | 1,366 citations | 516561 16 h-index | 454834 30 g-index |
| 52 all docs | 52 docs citations | 52 times ranked | 2159 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Identification and quantification of macro- and microplastics on an agricultural farmland. Scientific Reports, 2018, 8, 17950. | 1.6 | 470 |
| 2 | Climateâ€“land-use interactions shape tropical mountain biodiversity and ecosystem functions. Nature, 2019, 568, 88-92. | 13.7 | 313 |
| 3 | Analysing flow patterns from dye tracer experiments in a forest soil using extreme value statistics. European Journal of Soil Science, 2008, 59, 103-113. | 1.8 | 62 |
| 4 | Effects of soil frost on nitrogen net mineralization, soil solution chemistry and seepage losses in a temperate forest soil. Global Change Biology, 2009, 15, 825-836. | 4.2 | 52 |
| 5 | Identifying the Functional Macropore Network Related to Preferential Flow in Structured Soils. Vadose Zone Journal, 2015, 14, vzj2015.05.0070. | 1.3 | 49 |
| 6 | Investigating flow mechanisms in a forest soil by mixedâ€effects modelling. European Journal of Soil Science, 2010, 61, 1079-1090. | 1.8 | 47 |
| 7 | Analysing land cover and land use change in the Matobo National Park and surroundings in Zimbabwe. Remote Sensing of Environment, 2017, 194, 278-286. | 4.6 | 38 |
| 8 | Impact of preferential flow on soil chemistry of a podzol. Geoderma, 2012, 175-176, 37-46. | 2.3 | 35 |
| 9 | Species richness is more important for ecosystem functioning than species turnover along an elevational gradient. Nature Ecology and Evolution, 2021, 5, 1582-1593. | 3.4 | 35 |
| 10 | Characterising flow patterns in soils by feature extraction and multiple consensus clustering. Ecological Informatics, 2013, 15, 44-52. | 2.3 | 24 |
| 11 | Tree growth and water-use in hyper-arid Acacia occurs during the hottest and driest season. Oecologia, 2018, 188, 695-705. | 0.9 | 23 |
| 12 | Deriving a per-field land use and land cover map in an agricultural mosaic catchment. Earth System Science Data, 2014, 6, 339-352. | 3.7 | 22 |
| 13 | Crop diversity and stability of revenue on farms in Central Europe: An analysis of big data from a comprehensive agricultural census in Bavaria. PLoS ONE, 2018, 13, e0207454. | 1.1 | 20 |
| 14 | Flooding frequency and floodplain topography determine abundance of microplastics in an alluvial Rhine soil. Science of the Total Environment, 2022, 836, 155141. | 3.9 | 19 |
| 15 | Crop selection under price and yield fluctuation: Analysis of agro-economic time series from South Korea. Agricultural Systems, 2016, 148, 1-11. | 3.2 | 18 |
| 16 | <scp>I</scp>nâ€situ prediction of soil organic carbon by visâ€“<scp>NIR</scp> spectroscopy: an efficient use of limited field data. European Journal of Soil Science, 2017, 68, 689-702. | 1.8 | 17 |
| 17 | Classification of rare land cover types: Distinguishing annual and perennial crops in an agricultural catchment in South Korea. PLoS ONE, 2018, 13, e0190476. | 1.1 | 16 |
| 18 | Tracing the horizontal transport of microplastics on rough surfaces. Microplastics and Nanoplastics, 2021, 1, . | 4.1 | 16 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Microtopography, water storage and flow patterns in a fineâ€textured soil under agricultural use. Hydrological Processes, 2013, 27, 1797-1806. | 1.1 | 14 |
| 20 | Minor response of gross N turnover and N leaching to drying, rewetting and irrigation in the topsoil of a Norway spruce forest. European Journal of Soil Science, 2011, 62, 709-717. | 1.8 | 13 |
| 21 | Quantifying the morphology of flow patterns in landslide-affected and unaffected soils. Journal of Hydrology, 2014, 511, 460-473. | 2.3 | 13 |
| 22 | Is Ridge Cultivation Sustainable? A Case Study from the Haean Catchment, South Korea. Applied and Environmental Soil Science, 2013, 2013, 1-11. | 0.8 | 11 |
| 23 | Mapping Fractional Land Use and Land Cover in a Monsoon Region: The Effects of Data Processing Options. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 3941-3956. | 2.3 | 6 |
| 24 | Distribution of Traditional Irrigation Canals and Their Discharge Dynamics at the Southern Slopes of Mount Kilimanjaro. Frontiers in Environmental Science, 2019, 7, . | 1.5 | 6 |
| 25 | Visualization and Analysis of Flow Patterns and Water Flow Simulations in Disturbed and Undisturbed Tropical Soils. Ecological Studies, 2008, , 387-396. | 0.4 | 6 |
| 26 | Rapid estimation of Brilliant Blue concentrations in soil by vis diffuse reflectance spectroscopy. Geoderma, 2011, 164, 95-98. | 2.3 | 5 |
| 27 | Predicting with limited data â€" increasing the accuracy in vis-nir diffuse reflectance spectroscopy by smote. , 2014, , . | | 5 |
| 28 | Viscous Flow Approach to â€œPushing Out Old Waterâ€•from Undisturbed and Repacked Soil Columns. Vadose Zone Journal, 2019, 18, 1-10. | 1.3 | 4 |
| 29 | Image analysis for soil dye tracer infiltration studies. , 2012, , . | | 2 |
| 30 | Dynamics of Water Flow in a Forest Soil: Visualization and Modelling. Ecological Studies, 2017, , 137-156. | 0.4 | 1 |
| 31 | Climbing up the hills: expansion of agriculture around the Ruma National Park, Kenya. International Journal of Remote Sensing, 2019, 40, 6720-6736. | 1.3 | 1 |
| 32 | Catchment Evapotranspiration and Runoff. Ecological Studies, 2017, , 355-375. | 0.4 | 1 |
| 33 | Rapid estimation of Brilliant Blue concentrations in soil by diffuse reflectance spectroscopy. Nature Precedings, 2010, , . | 0.1 | 0 |
| 34 | Editorial: Soil Evolution and Sustainability. Frontiers in Environmental Science, 2020, 8, . | 1.5 | 0 |