

## List of Publications by Year in descending order

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37  
papers

1,925  
citations

394421

19  
h-index

345221

36  
g-index

38  
all docs

38  
docs citations

38  
times ranked

2937  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Bacterial, Archaeal and Fungal Succession in the Forefield of a Receding Glacier. <i>Microbial Ecology</i> , 2012, 63, 552-564.   | 2.8  | 214       |
| 2  | Recovery of trees from drought depends on belowground sink control. <i>Nature Plants</i> , 2016, 2, 16111.  | 9.3  | 170       |
| 3  | The C:N:P:S stoichiometry of soil organic matter. <i>Biogeochemistry</i> , 2016, 130, 117-131.  | 3.5  | 167       |
| 4  | Chemical and Biological Gradients along the Damma Glacier Soil Chronosequence, Switzerland. <i>Vadose Zone Journal</i> , 2011, 10, 867-883.   | 2.2  | 158       |
| 5  | Heavy metal accumulation and phytostabilisation potential of tree fine roots in a contaminated soil. <i>Environmental Pollution</i> , 2008, 152, 559-568.   | 7.5  | 154       |
| 6  | Multi-Wavelength Molecular Fluorescence Spectrometry for Quantitative Characterization of Copper(II) and Aluminum(III) Complexation by Dissolved Organic Matter. <i>Environmental Science &amp; Technology</i> , 1996, 30, 1565-1574.             | 10.0 | 125       |
| 7  | Determination of organic and inorganic carbon, $\hat{I}^{13}C$ , and nitrogen in soils containing carbonates after acid fumigation with HCl. <i>Journal of Plant Nutrition and Soil Science</i> , 2010, 173, 207-216.                             | 1.9  | 111       |
| 8  | Microbial activity and community structure of a soil after heavy metal contamination in a model forest ecosystem. <i>Soil Biology and Biochemistry</i> , 2006, 38, 1745-1756.   | 8.8  | 110       |
| 9  | Sampling, defining, characterising and modeling the rhizosphere—the soil science tool box. <i>Plant and Soil</i> , 2009, 321, 457-482.  | 3.7  | 101       |
| 10 | Title is missing!. <i>Plant and Soil</i> , 1999, 216, 103-116.  | 3.7  | 65        |
| 11 | Modified micro suction cup/rhizobox approach for the in-situ detection of organic acids in rhizosphere soil solution. <i>Plant and Soil</i> , 2006, 286, 99-107.  | 3.7  | 61        |
| 12 | Rhizosphere activity in an old-growth forest reacts rapidly to changes in soil moisture and shapes whole-tree carbon allocation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 24885-24892. | 7.1  | 50        |
| 13 | Key site variables governing the functional characteristics of Dissolved Natural Organic Matter (DNOM) in Nordic forested catchments. <i>Aquatic Sciences</i> , 2004, 66, 195-210.  | 1.5  | 49        |
| 14 | Soil Acidification in Southern Switzerland between 1987 and 1997: A Case Study Based on the Critical Load Concept. <i>Environmental Science &amp; Technology</i> , 1999, 33, 2383-2389.   | 10.0 | 48        |
| 15 | Decrease of labile Zn and Cd in the rhizosphere of hyperaccumulating <i>Thlaspi caerulescens</i> with time. <i>Environmental Pollution</i> , 2010, 158, 1955-1962.  | 7.5  | 39        |
| 16 | Metal fractionation in a contaminated soil after reforestation: Temporal changes versus spatial variability. <i>Environmental Pollution</i> , 2010, 158, 3272-3278.   | 7.5  | 39        |
| 17 | Root exudation, organic acids, and element distribution in roots of Norway spruce seedlings treated with aluminum in hydroponics. <i>Journal of Plant Nutrition and Soil Science</i> , 2001, 164, 519.  | 1.9  | 35        |
| 18 | Recent advances in the spectroscopic characterization of soil humic substances and their ecological relevance. <i>Zeitschrift Fur Pflanzenernahrung Und Bodenkunde = Journal of Plant Nutrition and Plant Science</i> , 1994, 157, 175-186.       | 0.4  | 25        |

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|----|--|------|-----------|
| 19 | A new isolation procedure of nitrate from freshwater for nitrogen and oxygen isotope analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 3056-3062.   | 1.5  | 23        |
| 20 | Phosphorus Allocation to Leaves of Beech Saplings Reacts to Soil Phosphorus Availability. <i>Frontiers in Plant Science</i> , 2019, 10, 744.   | 3.6  | 21        |
| 21 | Effects of drought on nitrogen uptake and carbon dynamics in trees. <i>Tree Physiology</i> , 2021, 41, 927-943.  | 3.1  | 18        |
| 22 | Classification schemes for the acidity, base saturation, and acidification status of forest soils in Switzerland. <i>Journal of Plant Nutrition and Soil Science</i> , 2008, 171, 163-170.                                 | 1.9  | 17        |
| 23 | Aluminum Effects on at Low Solution Concentrations. <i>Soil Science Society of America Journal</i> , 2003, 67, 895.  | 2.2  | 16        |
| 24 | On the Interpretation of Labile Aluminum as Determined by Reaction with 8- <i>Hydroxyquinoline</i> . <i>Soil Science Society of America Journal</i> , 1993, 57, 976-980.   | 2.2  | 15        |
| 25 | Initial Changes in Refilled Lysimeters Built with Metal Polluted Topsoil and Acidic or Calcareous Subsoils as Indicated by Changes in Drainage Water Composition. <i>Water, Air and Soil Pollution</i> , 2008, 8, 163-176. | 0.8  | 15        |
| 26 | A simple method for the removal of dissolved organic matter and $\text{NO}_3^-$ analysis of $\text{NO}_3^-$ from freshwater. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 1475-1480.                       | 1.5  | 14        |
| 27 | Acidification of Soil Solution in a Chestnut Forest Stand in Southern Switzerland: Are There Signs of Recovery?. <i>Environmental Science &amp; Technology</i> , 2005, 39, 7761-7767.                                      | 10.0 | 12        |
| 28 | Alteration of nitrous oxide emissions from floodplain soils by aggregate size, litter accumulation and soil interactions. <i>Biogeosciences</i> , 2018, 15, 7043-7057.   | 3.3  | 12        |
| 29 | Soil base saturation affects root growth of European beech seedlings. <i>Journal of Plant Nutrition and Soil Science</i> , 2011, 174, 408-419.   | 1.9  | 10        |
| 30 | Equilibrium ion exchange method: Methodology at low ionic strength and copper(II) complexation by dissolved organic matter in a leaf litter extract. <i>Talanta</i> , 1994, 41, 1873-1880.                                 | 5.5  | 7         |
| 31 | Plant Nutritional Status Explains the Modifying Effect of Provenance on the Response of Beech Sapling Root Traits to Differences in Soil Nutrient Supply. <i>Frontiers in Forests and Global Change</i> , 2020, 3, .       | 2.3  | 6         |
| 32 | Phosphorus Leaching From Naturally Structured Forest Soils Is More Affected by Soil Properties Than by Drying and Rewetting. <i>Frontiers in Forests and Global Change</i> , 2021, 4, .                                    | 2.3  | 6         |
| 33 | Aluminum Effects on <i>Picea abies</i> at Low Solution Concentrations. <i>Soil Science Society of America Journal</i> , 2003, 67, 895-898.   | 2.2  | 4         |
| 34 | Monitoring of Water Chemistry in Forest Soils: An Indicator for Acidification. <i>Chimia</i> , 2005, 59, 989-989.  | 0.6  | 3         |
| 35 | The transformation of synthetic hectorite in the presence of Cu(II). <i>Clays and Clay Minerals</i> , 2009, 57, 139-149.   | 1.3  | 3         |
| 36 | Combined application of calcium carbonate and NPKS fertilizer improves early-stage growth of poplar in acid soils. <i>Forest Ecology and Management</i> , 2022, 514, 120211.   | 3.2  | 2         |

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|----|---|----|-----------|
| 37 | Die Reaktion von Fichtenwurzeln auf Aluminium-Behandlung in Hydrokultur. , 1999, , 19-25. |    | 0         |