

List of Publications by Year in descending order

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37
papers

1,925
citations

394421

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345221

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docs citations

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times ranked

2937
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Effects of drought on nitrogen uptake and carbon dynamics in trees. <i>Tree Physiology</i> , 2021, 41, 927-943.	3.1	18
3	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
4	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
5	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
6	Phosphorus Allocation to Leaves of Beech Saplings Reacts to Soil Phosphorus Availability. <i>Frontiers in Plant Science</i> , 2019, 10, 744.	3.6	21
7	Alteration of nitrous oxide emissions from floodplain soils by aggregate size, litter accumulation and plant-soil interactions. <i>Biogeosciences</i> , 2018, 15, 7043-7057.	3.3	12
8	The C:N:P:S stoichiometry of soil organic matter. <i>Biogeochemistry</i> , 2016, 130, 117-131.	3.5	167
9	Recovery of trees from drought depends on belowground sink control. <i>Nature Plants</i> , 2016, 2, 16111.	9.3	170
10	A simple method for the removal of dissolved organic matter and $\delta^{15}\text{N}$ analysis of NO_3^- from freshwater. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 1475-1480.	1.5	14
11	Bacterial, Archaeal and Fungal Succession in the Forefield of a Receding Glacier. <i>Microbial Ecology</i> , 2012, 63, 552-564.	2.8	214
12	Chemical and Biological Gradients along the Damma Glacier Soil Chronosequence, Switzerland. <i>Vadose Zone Journal</i> , 2011, 10, 867-883.	2.2	158
13	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
14	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
15	Determination of organic and inorganic carbon, $\delta^{13}\text{C}$, 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
16	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
17	Metal fractionation in a contaminated soil after reforestation: Temporal changes versus spatial variability. <i>Environmental Pollution</i> , 2010, 158, 3272-3278.	7.5	39
18	The transformation of synthetic hectorite in the presence of Cu(II). <i>Clays and Clay Minerals</i> , 2009, 57, 139-149.	1.3	3

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19	Sampling, defining, characterising and modeling the rhizosphere—the soil science tool box. <i>Plant and Soil</i> , 2009, 321, 457-482.	3.7	101
20	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
21	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
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	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
24	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
25	Monitoring of Water Chemistry in Forest Soils: An Indicator for Acidification. <i>Chimia</i> , 2005, 59, 989-989.	0.6	3
26	Acidification of Soil Solution in a Chestnut Forest Stand in Southern Switzerland: Are There Signs of Recovery?. <i>Environmental Science & Technology</i> , 2005, 39, 7761-7767.	10.0	12
27	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
28	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
29	Aluminum Effects on at Low Solution Concentrations. <i>Soil Science Society of America Journal</i> , 2003, 67, 895.	2.2	16
30	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
31	Title is missing!. <i>Plant and Soil</i> , 1999, 216, 103-116.	3.7	65
32	Soil Acidification in Southern Switzerland between 1987 and 1997: A Case Study Based on the Critical Load Concept. <i>Environmental Science & Technology</i> , 1999, 33, 2383-2389.	10.0	48
33	Die Reaktion von Fichtenwurzeln auf Aluminium-Behandlung in Hydrokultur. , 1999, , 19-25.		0
34	Multi-Wavelength Molecular Fluorescence Spectrometry for Quantitative Characterization of Copper(II) and Aluminum(III) Complexation by Dissolved Organic Matter. <i>Environmental Science & Technology</i> , 1996, 30, 1565-1574.	10.0	125
35	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
36	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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37	On the Interpretation of Labile Aluminum as Determined by Reaction with 8-Hydroxyquinoline. Soil Science Society of America Journal, 1993, 57, 976-980.	2.2	15