

Asko Simojoki

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

1,414
citations

448610

19
h-index

371746

37
g-index

48
all docs

48
docs citations

48
times ranked

2336
citing authors

#	ARTICLE	IF	CITATIONS
1	Factors limiting microbial N ₂ O and CO ₂ production in a cultivated peatland overlying an acid sulphate subsoil derived from black schist. <i>Geoderma</i> , 2022, 405, 115444.	2.3	3
2	Recycling lake sediment to agriculture: Effects on plant growth, nutrient availability, and leaching. <i>Science of the Total Environment</i> , 2021, 753, 141984.	3.9	52
3	Effects of two wood-based biochars on the fate of added fertilizer nitrogen—a 15N tracing study. <i>Biology and Fertility of Soils</i> , 2021, 57, 457-470.	2.3	11
4	Long-term effects of softwood biochar on soil physical properties, greenhouse gas emissions and crop nutrient uptake in two contrasting boreal soils. <i>Agriculture, Ecosystems and Environment</i> , 2021, 316, 107454.	2.5	42
5	Impacts of a deep reactive layer on sedimentary phosphorus dynamics in a boreal lake recovering from eutrophication. <i>Hydrobiologia</i> , 2020, 847, 4401-4423.	1.0	16
6	Strains of the toxic and bloom-forming <i>Nodularia spumigena</i> (cyanobacteria) can degrade methylphosphonate and release methane. <i>ISME Journal</i> , 2018, 12, 1619-1630.	4.4	75
7	Abundant stocks and mobilization of elements in boreal acid sulfate soils. <i>Geoderma</i> , 2017, 308, 333-340.	2.3	14
8	Newtonian boreal forest ecology: The Scots pine ecosystem as an example. <i>PLoS ONE</i> , 2017, 12, e0177927.	1.1	4
9	Treating cattle with antibiotics affects greenhouse gas emissions, and microbiota in dung and dung beetles. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016, 283, 20160150.	1.2	67
10	Driver-Pressure-State-Impact-Response (DPSIR) Analysis and Risk Assessment for Soil Compaction—A European Perspective. <i>Advances in Agronomy</i> , 2015, , 183-237.	2.4	99
11	Nitrous oxide emissions from perennial grass—legume intercrop for bioenergy use. <i>Nutrient Cycling in Agroecosystems</i> , 2015, 101, 211-222.	1.1	15
12	Perennial crop growth in oil-contaminated soil in a boreal climate. <i>Science of the Total Environment</i> , 2015, 532, 752-761.	3.9	12
13	Dynamics of dry matter and selenium accumulation in oilseed rape (<i>Brassica napus</i> L.) in response to organic and inorganic selenium treatments. <i>Agricultural and Food Science</i> , 2015, 24, 104-117.	0.3	22
14	A multi-scale comparison of dissolved Al, Fe and S in a boreal acid sulphate soil. <i>Science of the Total Environment</i> , 2014, 499, 336-348.	3.9	8
15	Biochar application to a fertile sandy clay loam in boreal conditions: effects on soil properties and yield formation of wheat, turnip rape and faba bean. <i>Plant and Soil</i> , 2014, 374, 89-107.	1.8	115
16	The effects of a permanently elevated water table in an acid sulphate soil on reed canary grass for combustion. <i>Plant and Soil</i> , 2014, 375, 149-158.	1.8	4
17	Short-term effects of biochar on soil properties and wheat yield formation with meat bone meal and inorganic fertiliser on a boreal loamy sand. <i>Agriculture, Ecosystems and Environment</i> , 2014, 191, 108-116.	2.5	122
18	The microbial communities and potential greenhouse gas production in boreal acid sulphate, non-acid sulphate, and reedy sulphidic soils. <i>Science of the Total Environment</i> , 2014, 466-467, 663-672.	3.9	15

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19	Response of pore water Al, Fe and S concentrations to waterlogging in a boreal acid sulphate soil. <i>Science of the Total Environment</i> , 2014, 485-486, 130-142.	3.9	29
20	Effects of biochar on earthworms in arable soil: avoidance test and field trial in boreal loamy sand. <i>Agriculture, Ecosystems and Environment</i> , 2014, 191, 150-157.	2.5	77
21	Monolithic lysimeters as tools to investigate processes in acid sulphate soil. <i>Agricultural Water Management</i> , 2013, 127, 48-58.	2.4	8
22	Quantifying Beetle-Mediated Effects on Gas Fluxes from Dung Pats. <i>PLoS ONE</i> , 2013, 8, e71454.	1.1	75
23	Gas Diffusion, Non-Darcy Air Permeability, and Computed Tomography Images of a Clay Subsoil Affected by Compaction. <i>Soil Science Society of America Journal</i> , 2013, 77, 1977-1990.	1.2	71
24	Nitrogen mineralisation dynamics of meat bone meal and cattle manure as affected by the application of softwood chip biochar in soil. <i>Earth and Environmental Science Transactions of the Royal Society of Edinburgh</i> , 2012, 103, 19-30.	0.3	11
25	Happamat sulfaattimaat -potentiaalinen kasvihuonekaasujen lähte?. <i>Suomen Maataloustieteellisen Seuran Tiedote</i> , 2012, , 1-6.	0.0	0
26	Pohjaveden korkeuden vaikutus happaman sulfaattimaan dityppioksidemissioihin lysimetrikokeessa. <i>Suomen Maataloustieteellisen Seuran Tiedote</i> , 2012, , 1-4.	0.0	0
27	High moisture acid sulphate soil effects on reed canary grass. <i>Suomen Maataloustieteellisen Seuran Tiedote</i> , 2012, , 1-6.	0.0	0
28	Nitrogen mineralization dynamics of meat bone meal and cattle manure as affected by the application of softwood chips biochar in soil. <i>Suomen Maataloustieteellisen Seuran Tiedote</i> , 2012, , 1-7.	0.0	0
29	Evidence of rich microbial communities in the subsoil of a boreal acid sulphate soil conducive to greenhouse gas emissions. <i>Agriculture, Ecosystems and Environment</i> , 2011, 140, 113-122.	2.5	30
30	Pohjaveden korkeuden vaikutus happaman sulfaattimaan ominaisuuksiin ja maan huokosveden koostumukseen. <i>Suomen Maataloustieteellisen Seuran Tiedote</i> , 2010, , 1-7.	0.0	0
31	Instrumentation, Measurement and Performance of Three Air Quality Measurement Systems for Dairy Buildings. <i>Applied Engineering in Agriculture</i> , 2009, 25, 247-256.	0.3	12
32	Macro- and microscale gaseous diffusion in a Stagnic Luvisol as affected by compaction and reduced tillage. <i>Agricultural and Food Science</i> , 2008, 17, 252.	0.3	22
33	Voiko peltobioenergiatuotanto vähentää happamilta sulfaattimailta tulevaa vesistökuormitusta?. <i>Suomen Maataloustieteellisen Seuran Tiedote</i> , 2008, , .	0.0	0
34	Gas concentration driven fluxes of nitrous oxide and carbon dioxide in boreal forest soil. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2007, 59, 458-469.	0.8	92
35	Contribution of nitrification and denitrification to N ₂ O production in peat, clay and loamy sand soils under different soil moisture conditions. <i>Nutrient Cycling in Agroecosystems</i> , 2004, 70, 135-141.	1.1	120
36	Allocation of added selenium in lettuce and its impact on roots. <i>Agricultural and Food Science</i> , 2003, 12, 155-164.	0.3	27

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37	Morphological responses of barley roots to soil compaction and modified supply of oxygen. <i>Agricultural and Food Science</i> , 2001, 10, 45-52.	0.3	5
38	Quantification of fine root responses to selenium toxicity. <i>Agricultural and Food Science</i> , 2001, 10, 53-58.	0.3	14
39	Effect of nitrogen fertilization, cropping and irrigation on soil air composition and nitrous oxide emission in a loamy clay. <i>European Journal of Soil Science</i> , 2000, 51, 413-424.	1.8	63
40	Responses of soil respiration and barley growth to modified supply of oxygen in the soil. <i>Agricultural and Food Science</i> , 2000, 9, 303-318.	0.3	9
41	Calibration of a desktop scanner and digital image analysis procedure for quantification of root morphology. <i>Agricultural and Food Science</i> , 2000, 9, 223-230.	0.3	5
42	Effect of soil wetness on air composition and nitrous oxide emission in a loam soil. <i>Agricultural and Food Science</i> , 1998, 7, 491-505.	0.3	8
43	Changes in solid- and solution-phase phosphorus in soil on acidification. <i>European Journal of Soil Science</i> , 1997, 48, 493-498.	1.8	12
44	Effect of compaction on soil air in a pot experiment and in the field. <i>Soil and Tillage Research</i> , 1991, 19, 175-186.	2.6	21
45	The role of organic matter and microbial community controlling nitrate reduction under elevated ferrous iron concentrations in boreal lake sediments. <i>Hydrobiologia</i> , 0, , 1.	1.0	4