Risto Uusitalo

List of Publications by Year in descending order

38 papers	1,441 citations	448610 19 h-index	371746 37 g-index
38 all docs	38 docs citations	38 times ranked	1827 citing authors

#	Article	IF	Citations
1	Pulp and paper mill sludges decrease soil erodibility. Journal of Environmental Quality, 2021, 50, 172-184.	1.0	22
2	Response of boreal clay soil properties and erosion to ten years of no-till management. Soil and Tillage Research, 2021, 212, 105043.	2.6	6
3	Bioavailability of phosphorus in granulated and pyrolyzed broiler manure. Environmental Technology and Innovation, 2021, 23, 101584.	3.0	7
4	Aboveground and belowground biodiversity responses to seed mixtures and mowing in a long-term set-aside experiment. Agriculture, Ecosystems and Environment, 2021, 322, 107656.	2.5	7
5	Are there environmental or agricultural benefits in using forest residue biochar in boreal agricultural clay soil?. Science of the Total Environment, 2020, 731, 138955.	3.9	33
6	Granulated broiler manure based organic fertilizers as sources of plant available nitrogen. Environmental Technology and Innovation, 2020, 18, 100734.	3.0	13
7	A Global Perspective on Integrated Strategies to Manage Soil Phosphorus Status for Eutrophication Control without Limiting Land Productivity. Journal of Environmental Quality, 2019, 48, 1234-1246.	1.0	48
8	Spatial modeling of sediment transfer and identification of sediment sources during snowmelt in an agricultural watershed in boreal climate. Science of the Total Environment, 2018, 612, 303-312.	3.9	21
9	Surface and Subsurface Phosphorus Discharge from a Clay Soil in a Nineâ€Year Study Comparing Noâ€Till and Plowing. Journal of Environmental Quality, 2018, 47, 1478-1486.	1.0	26
10	Yield responses to P fertilisation of onion (Allium cepa L.) and cabbage (Brassica oleracea Capitata) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.3	2
11	Sediment from Agricultural Constructed Wetland Immobilizes Soil Phosphorus. Journal of Environmental Quality, 2017, 46, 356-363.	1.0	10
12	Phosphorus in agricultural constructed wetland sediment is sparingly plantâ€available. Journal of Plant Nutrition and Soil Science, 2017, 180, 554-562.	1.1	3
13	A Simple Dynamic Model of Soil Test Phosphorus Responses to Phosphorus Balances. Journal of Environmental Quality, 2016, 45, 977-983.	1.0	11
14	35-year trends of acidity and soluble nutrients in cultivated soils of Finland. Geoderma Regional, 2016, 7, 376-387.	0.9	11
15	Impact of Re-wetting of Forestry-Drained Peatlands on Water Qualityâ€"a Laboratory Approach Assessing the Release of P, N, Fe, and Dissolved Organic Carbon. Water, Air, and Soil Pollution, 2016, 227, 1.	1.1	22
16	Phosphorus speciation in agricultural catchment soils and in fresh and dried sediments of five constructed wetlands. Geoderma, 2016, 271, 18-26.	2.3	18
17	Variations in phosphorus retention by a solid material while scaling up its application. Environmental Technology and Innovation, 2015, 4, 285-298.	3.0	7
18	Future agriculture with minimized phosphorus losses to waters: Research needs and direction. Ambio, 2015, 44, 163-179.	2.8	210

#	Article	IF	Citations
19	Labile organic carbon regulates phosphorus release from eroded soil transported into anaerobic coastal systems. Ambio, 2015, 44, 263-273.	2.8	18
20	Conversion of dissolved phosphorus in runoff by ferric sulfate to a form less available to algae: Field performance and cost assessment. Ambio, 2015, 44, 286-296.	2.8	10
21	Screening of Ca- and Fe-rich materials for their applicability as phosphate-retaining filters. Ecological Engineering, 2014, 68, 143-154.	1.6	19
22	Potential and limitations of phosphate retention media in water protection: A process-based review of laboratory and field-scale tests. Agricultural and Food Science, 2012, 21, 206-223.	0.3	46
23	The effects of gypsum on the transfer of phosphorus and other nutrients through clay soil monoliths. Agricultural and Food Science, 2012, 21, 260-278.	0.3	28
24	Caâ€“Fe oxide granules as potential phosphate barrier material for critical source areas: a laboratory study of P retention and release. Agricultural and Food Science, 2012, 21, 224-236.	0.3	4
25	Characterization of Soil Phosphorus in Differently Managed Clay Soil by Chemical Extraction Methods and³¹P NMR Spectroscopy. Communications in Soil Science and Plant Analysis, 2011, 42, 1995-2011.	0.6	18
26	Yield response models to phosphorus application: a research synthesis of Finnish field trials to optimize fertilizer P use of cereals. Nutrient Cycling in Agroecosystems, 2011, 91, 1-15.	1.1	41
27	Phosphorus fertilization: A meta-analysis of 80 years of research in Finland. Agriculture, Ecosystems and Environment, 2009, 130, 75-85.	2.5	92
28	Meat bone meal and fox manure as P sources for ryegrass (Lolium multiflorum) grown on a limed soil. Nutrient Cycling in Agroecosystems, 2008, 81, 267-278.	1.1	66
29	Off-Site Impacts of Erosion: Eutrophication as an Example. , 2006, , 775-789.		9
30	The potential for soil phosphorus tests to predict phosphorus losses in overland flow. Journal of Plant Nutrition and Soil Science, 2003, 166, 432-437.	1.1	24
31	Contribution of Particulate Phosphorus to Runoff Phosphorus Bioavailability. Journal of Environmental Quality, 2003, 32, 2007-2016.	1.0	68
32	Determination of Redoxâ€Sensitive Phosphorus in Field Runoff without Sediment Preconcentration. Journal of Environmental Quality, 2003, 32, 70-77.	1.0	21
33	Phosphorus in Runoff Assessed by Anion Exchange Resin Extraction and an Algal Assay. Journal of Environmental Quality, 2003, 32, 633-641.	1.0	21
34	Phosphorus reserves and apparent phosphorus saturation in four weakly developed cultivated pedons. Geoderma, 2002, 110, 35-47.	2.3	47
35	Particulate Phosphorus and Sediment in Surface Runoff and Drainflow from Clayey Soils. Journal of Environmental Quality, 2001, 30, 589-595.	1.0	137
36	Buffer Zones and Constructed Wetlands as Filters for Agricultural Phosphorus. Journal of Environmental Quality, 2000, 29, 151-158.	1.0	180

#	Article	IF	Citations
37	Suspended soil as a source of potentially bioavailable phosphorus in surface runoff waters from clay soils. Water Research, 2000, 34, 2477-2482.	5.3	102
38	Estimating Errors Associated with Extracting Phosphorus Using Iron Oxide and Resin Methods. Journal of Environmental Quality, 1999, 28, 1891-1897.	1.0	13