Peter Ã–sterholm

List of Publications by Year
in descending order

35 papers	848 citations	471509 17 h-index	477307 29 g-index
35 all docs	35 docs citations	35 times ranked	637 citing authors

#	Article	IF	Citations
1	Machine learning techniques for acid sulfate soil mapping in southeastern Finland. Geoderma, 2022, 406, 115446.	5.1	20
2	Leaching of acid generating materials and elements from coarse- and fine-grained acid sulfate soil materials. Journal of Geochemical Exploration, 2022, 232, 106880.	3.2	5
3	Dredging and deposition of metal sulfide rich river sediments results in rapid conversion to acid sulfate soil materials. Science of the Total Environment, 2022, 813, 151864.	8.0	7
4	Characteristics of sulfide bearing soil materials in peat extraction areas in N-Finland. Journal of Geochemical Exploration, 2021, 220, 106640.	3.2	5
5	A simplified distillation-based sulfur speciation method for sulfidic soil materials. Bulletin of the Geological Society of Finland, 2021, 93, 19-30.	0.8	3
6	Nitrogen stocks and flows in an acid sulfate soil. Environmental Monitoring and Assessment, 2020, 192, 751.	2.7	10
7	Climatic effects on water quality in areas with acid sulfate soils with commensurable consequences on the reproduction of burbot (Lota lota L.). Environmental Geochemistry and Health, 2020, 42, 3141-3156.	3.4	5
8	Biodegraded peat and ultrafine calcium carbonate result in retained metals and higher microbial diversities in boreal acid sulfate soil. Soil Ecology Letters, 2020, 2, 120-130.	4.5	7
9	Enrichment of trace metals from acid sulfate soils in sediments of the Kvarken Archipelago, eastern Gulf of Bothnia, Baltic Sea. Biogeosciences, 2020, 17, 6097-6113.	3.3	8
10	Subsurface hydrochemical precision treatment of a coastal acid sulfate soil. Applied Geochemistry, 2019, 100, 352-362.	3.0	8
11	Chemical and microbiological evaluation of novel chemical treatment methods for acid sulfate soils. Science of the Total Environment, 2018, 625, 39-49.	8.0	18
12	Sources, transport and sinks of beryllium in a coastal landscape affected by acidic soils. Geochimica Et Cosmochimica Acta, 2018, 232, 288-302.	3.9	26
13	Hydrogeochemical impact of coarse-grained post-glacial acid sulfate soil materials. Geoderma, 2017, 308, 291-301.	5.1	11
14	Manganese accumulation and solid-phase speciation in a 3.5 m thick mud sequence from the estuary of an acidic and Mn-rich creek, northern Baltic Sea. Chemical Geology, 2016, 437, 56-66.	3.3	12
15	Distribution and speciation of metals, phosphorus, sulfate and organic material in brackish estuary water affected by acid sulfate soils. Applied Geochemistry, 2016, 66, 264-274.	3.0	31
16	Arsenic removal from contaminated brackish sea water by sorption onto Al hydroxides and Fe phases mobilized by land-use. Science of the Total Environment, 2016, 542, 923-934.	8.0	13
17	Impact of mitigation strategies on acid sulfate soil chemistry and microbial community. Science of the Total Environment, 2015, 526, 215-221.	8.0	13
18	Iron behavior in a northern estuary: Large pools of non-sulfidized Fe(II) associated with organic matter. Chemical Geology, 2015, 413, 73-85.	3.3	26

#	Article	IF	Citations
19	Fuzzy logic for acid sulfate soil mapping: Application to the southern part of the Finnish coastal areas. Geoderma, 2014, 226-227, 21-30.	5.1	26
20	Hydrological processes behind annual and decadal-scale variations in the water quality of runoff in Finnish catchments with acid sulfate soils. Journal of Hydrology, 2013, 487, 60-69.	5.4	13
21	Artificial neural network for acid sulfate soil mapping: Application to the Sirppujoki River catchment area, south-western Finland. Journal of Geochemical Exploration, 2013, 125, 46-55.	3.2	33
22	Metal species in a Boreal river system affected by acid sulfate soils. Applied Geochemistry, 2013, 31, 133-141.	3.0	43
23	Microbial community potentially responsible for acid and metal release from an Ostrobothnian acid sulfate soil. FEMS Microbiology Ecology, 2013, 84, 555-563.	2.7	32
24	Metal speciation in rivers affected by enhanced soil erosion and acidity. Applied Geochemistry, 2012, 27, 906-916.	3.0	48
25	Attenuation of rare earth elements in a boreal estuary. Geochimica Et Cosmochimica Acta, 2012, 96, 105-119.	3.9	35
26	Impact of acid sulfate soils on the geochemistry of rivers in south-western Finland. Environmental Earth Sciences, 2012, 66, 157-168.	2.7	17
27	Characterization of acid sulfate soils and assessing their impact on a humic boreal lake. Journal of Geochemical Exploration, 2011, 110, 107-117.	3.2	31
28	Chemical composition of cabbage (Brassica oleracea L. var. capitata) grown on acid sulfate soils. Journal of Plant Nutrition and Soil Science, 2010, 173, 423-433.	1.9	1
29	Lanthanoid behaviour in an acidic landscape. Geochimica Et Cosmochimica Acta, 2010, 74, 829-845.	3.9	33
30	Estuarine behaviour of metal loads leached from coastal lowland acid sulphate soils. Marine Environmental Research, 2008, 66, 378-393.	2.5	54
31	Meteorological impacts on the water quality in the Pajuluoma acid sulphate area, W. Finland. Applied Geochemistry, 2008, 23, 1594-1606.	3.0	31
32	Hydrochemical Effects of Surface Liming, Controlled Drainage and Lime-Filter Drainage on Boreal Acid Sulfate Soils. Water, Air, and Soil Pollution, 2007, 179, 107-116.	2.4	36
33	Quantification of current and future leaching of sulfur and metals from Boreal acid sulfate soils, western Finland. Soil Research, 2004, 42, 547.	1.1	48
34	Comparison of the Metal Content in Acid Sulfate Soil Runoff and Industrial Effluents in Finland. Environmental Science & Technology, 2002, 36, 4269-4272.	10.0	80
35	Spatial trends and losses of major and trace elements in agricultural acid sulphate soils distributed in the artificially drained Rintala area, W. Finland. Applied Geochemistry, 2002, 17, 1209-1218.	3.0	59