# Barbro UlÃ©n

List of Publications by Year
in descending order



| 83 | 3,030 | 136885 | 175177 |
|---|---|---|---|
| papers | citations | 32 h-index | 52 g-index |

| 84 | 84 | 84 | 2697 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Changes in pore networks and readily dispersible soil following structure liming of clay soils. Geoderma, 2021, 390, 114948. | 2.3 | 8 |
| 2 | Nutrient leaching driven by rainfall on a vermiculite clay soil under altered management and monitored with high-frequency time resolution. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2020, 70, 392-403. | 0.3 | 0 |
| 3 | Seasonal variation in nutrient retention in a free water surface constructed wetland monitored with flow-proportional sampling and optical sensors. Ecological Engineering, 2019, 139, 105588. | 1.6 | 19 |
| 4 | Hydrologic Extremes and Legacy Sources Can Override Efforts to Mitigate Nutrient and Sediment Losses at the Catchment Scale. Journal of Environmental Quality, 2019, 48, 1314-1324. | 1.0 | 22 |
| 5 | Impact of the North Atlantic Oscillation on Swedish Winter Climate and Nutrient Leaching. Journal of Environmental Quality, 2019, 48, 941-949. | 1.0 | 6 |
| 6 | Assessing the ability of soil tests to estimate labile phosphorus in agricultural soils: Evidence from isotopic exchange. Geoderma, 2019, 337, 350-358. | 2.3 | 18 |
| 7 | Nitrogen and phosphorus leaching under the potential biennial oilseed plant Lepidium campestre L. in a field trial. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2018, 68, 555-561. | 0.3 | 5 |
| 8 | Particle deposition, resuspension and phosphorus accumulation in small constructed wetlands. Ambio, 2018, 47, 134-145. | 2.8 | 17 |
| 9 | Sustainable agriculture: The study on farmersâ€™ perception and practices regarding nutrient management and limiting losses. Journal of Water and Land Development, 2018, 36, 67-75. | 0.9 | 18 |
| 10 | Assessing strategies to mitigate phosphorus leaching from drained clay soils. Ambio, 2018, 47, 114-123. | 2.8 | 9 |
| 11 | Effects of tillage and liming on macropore networks derived from Xâ€ray tomography images of a silty clay soil. Soil Use and Management, 2018, 34, 197-205. | 2.6 | 18 |
| 12 | Generating applicable environmental knowledge among farmers: experiences from two regions in Poland. Agroecology and Sustainable Food Systems, 2017, 41, 671-690. | 1.0 | 12 |
| 13 | Lime placement on subsoil as a strategy to reduce phosphorus leaching from agricultural soils. Soil Use and Management, 2016, 32, 381-389. | 2.6 | 10 |
| 14 | Evolution of phosphorus speciation with depth in an agricultural soil profile. Geoderma, 2016, 280, 29-37. | 2.3 | 47 |
| 15 | Agricultural soil acidity and phosphorus leaching risk at farm level in two focus areas. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2016, 66, 359-368. | 0.3 | 4 |
| 16 | The ability of cover crops to reduce nitrogen and phosphorus losses from arable land in southern Scandinavia and Finland. Journal of Soils and Water Conservation, 2016, 71, 41-55. | 0.8 | 93 |
| 17 | Use of a flashiness index to predict phosphorus losses from subsurface drains on a Swedish farm with clay soils. Journal of Hydrology, 2016, 533, 581-590. | 2.3 | 15 |
| 18 | Turnover and Losses of Phosphorus in Swedish Agricultural Soils: Long-Term Changes, Leaching Trends, and Mitigation Measures. Journal of Environmental Quality, 2015, 44, 512-523. | 1.0 | 76 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Lagged response of nutrient leaching to reduced surpluses at the field and catchment scales. Hydrological Processes, 2015, 29, 3020-3037. | 1.1 | 7 |
| 20 | The Role of Subsoil as a Source or Sink for Phosphorus Leaching. Journal of Environmental Quality, 2015, 44, 535-544. | 1.0 | 45 |
| 21 | Future agriculture with minimized phosphorus losses to waters: Research needs and direction. Ambio, 2015, 44, 163-179. | 2.8 | 210 |
| 22 | Are horse paddocks threatening water quality through excess loading of nutrients?. Journal of Environmental Management, 2015, 147, 306-313. | 3.8 | 19 |
| 23 | Nutrient leaching from manure-amended topsoils (Cambisols and Histosols) in Sweden. Geoderma Regional, 2015, 5, 209-214. | 0.9 | 9 |
| 24 | Biomass production and phosphorus retention by catch crops on clayey soils in southern and central Sweden. Field Crops Research, 2015, 171, 130-137. | 2.3 | 34 |
| 25 | Phosphorus and particle retention in constructed wetlandsâ€"A catchment comparison. Ecological Engineering, 2015, 80, 20-31. | 1.6 | 34 |
| 26 | Recession of phosphorus and nitrogen concentrations in tile drainage water after high poultry manure applications in two consecutive years. Agricultural Water Management, 2014, 146, 208-217. | 2.4 | 9 |
| 27 | Freezingâ€"thawing effects on phosphorus leaching from catch crops. Nutrient Cycling in Agroecosystems, 2014, 99, 17-30. | 1.1 | 44 |
| 28 | Phosphorus leaching from clay soils can be counteracted by structure liming. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2014, 64, 425-433. | 0.3 | 20 |
| 29 | Mitigation of phosphorus leaching losses via subsurface drains from a cracking marine clay soil. Agriculture, Ecosystems and Environment, 2014, 184, 124-134. | 2.5 | 41 |
| 30 | Potential phosphorus release from catch crop shoots and roots after freezing-thawing. Plant and Soil, 2013, 371, 543-557. | 1.8 | 59 |
| 31 | A survey of soil phosphorus (P) and nitrogen (N) in Swedish horse paddocks. Agriculture, Ecosystems and Environment, 2013, 178, 1-9. | 2.5 | 15 |
| 32 | Influence of soil phosphorus and manure on phosphorus leaching in Swedish topsoils. Nutrient Cycling in Agroecosystems, 2013, 96, 133-147. | 1.1 | 27 |
| 33 | Phosphorus in agricultural soils around the Baltic Sea â€“ comparison of laboratory methods as indices for phosphorus leaching to waters. Soil Use and Management, 2013, 29, 5-14. | 2.6 | 26 |
| 34 | Pesticide leaching from two Swedish topsoils of contrasting texture amended with biochar. Journal of Contaminant Hydrology, 2013, 147, 73-81. | 1.6 | 43 |
| 35 | Phosphorus availability in soils amended with wheat residue char. Biology and Fertility of Soils, 2013, 49, 245-250. | 2.3 | 126 |
| 36 | Nutrient leaching from clay soil monoliths with variable past manure inputs. Journal of Plant Nutrition and Soil Science, 2013, 176, 883-891. | 1.1 | 12 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Topsoil and Subsoil Properties Influence Phosphorus Leaching from Four Agricultural Soils. Journal of Environmental Quality, 2013, 42, 455-463. | 1.0 | 103 |
| 38 | Phosphorus Retention in a Newly Constructed Wetland Receiving Agricultural Tile Drainage Water. Journal of Environmental Quality, 2013, 42, 596-605. | 1.0 | 49 |
| 39 | Effects of aluminium water treatment residuals, used as a soil amendment to control phosphorus mobility in agricultural soils. Water Science and Technology, 2012, 65, 1903-1911. | 1.2 | 8 |
| 40 | Soil erosion in Nordic countries â€“ future challenges and research needs. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2012, 62, 176-184. | 0.3 | 7 |
| 41 | Potential phosphorus leaching from sandy topsoils with different fertilizer histories before and after application of pig slurry. Soil Use and Management, 2012, 28, 457-467. | 2.6 | 61 |
| 42 | Long-term temporal dynamics and trends of particle-bound phosphorus and nitrate in agricultural stream waters. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2012, 62, 217-228. | 0.3 | 4 |
| 43 | Particulate-facilitated leaching of glyphosate and phosphorus from a marine clay soil via tile drains. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2012, 62, 241-251. | 0.3 | 2 |
| 44 | Tile drain losses of nitrogen and phosphorus from fields under integrated and organic crop rotations. A four-year study on a clay soil in southwest Sweden. Science of the Total Environment, 2012, 434, 79-89. | 3.9 | 39 |
| 45 | Trends in nutrient concentrations in drainage water from single fields under ordinary cultivation. Agriculture, Ecosystems and Environment, 2012, 151, 61-69. | 2.5 | 15 |
| 46 | Leaching of N, P and glyphosate from two soils after herbicide treatment and incorporation of a ryegrass catch crop. Soil Use and Management, 2011, 27, 54-68. | 2.6 | 34 |
| 47 | The need for an improved risk index for phosphorus losses to water from tile-drained agricultural land. Journal of Hydrology, 2011, 400, 234-243. | 2.3 | 20 |
| 48 | Soil tillage methods to control phosphorus loss and potential side-effects: a Scandinavian review. Soil Use and Management, 2010, 26, 94-107. | 2.6 | 99 |
| 49 | Risk of phosphorus leaching from low input grassland areas. Geoderma, 2010, 158, 359-365. | 2.3 | 11 |
| 50 | Long-term nutrient leaching from a Swedish arable field with intensified crop production against a background of climate change. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2009, 59, 157-169. | 0.3 | 6 |
| 51 | Review of indexing tools for identifying high risk areas of phosphorus loss in Nordic catchments. Journal of Hydrology, 2008, 349, 68-87. | 2.3 | 61 |
| 52 | Leaching of nutrients and major ions from an arable field with an unfertilized fallow as infield buffer zone. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2008, 58, 51-59. | 0.3 | 5 |
| 53 | Changes in nutrient leaching and groundwater quality during long-term studies of an arable field on the Swedish south-west coast. Hydrology Research, 2008, 39, 63-77. | 1.1 | 7 |
| 54 | Forms and retention of phosphorus in an illite-clay soil profile with a history of fertilisation with pig manure and mineral fertilisers. Geoderma, 2007, 137, 455-465. | 2.3 | 39 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Agriculture as a phosphorus source for eutrophication in the northâ€west European countries, Norway, Sweden, United Kingdom and Ireland: a review. Soil Use and Management, 2007, 23, 5-15. | 2.6 | 197 |
| 56 | A dual porosity model to quantify phosphorus losses from macroporous soils. Ecological Modelling, 2007, 205, 123-134. | 1.2 | 38 |
| 57 | Recent trends in nutrient concentrations in Swedish agricultural rivers. Science of the Total Environment, 2007, 373, 473-487. | 3.9 | 28 |
| 58 | A simplified risk assessment for losses of dissolved reactive phosphorus through drainage pipes from agricultural soils. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2006, 56, 307-314. | 0.3 | 20 |
| 59 | Phosphorus and nitrogen turnover and risk of waterborne phosphorus emissions in crop rotations on a clay soil in southwest Sweden. Soil Use and Management, 2006, 21, 221-230. | 2.6 | 3 |
| 60 | Nutrient discharge from small agricultural catchments in Sweden. Agriculture, Ecosystems and Environment, 2006, 115, 15-26. | 2.5 | 92 |
| 61 | Critical evaluation of measures to mitigate phosphorus losses from agricultural land to surface waters in Sweden. Science of the Total Environment, 2005, 344, 37-50. | 3.9 | 46 |
| 62 | Can Constructed Wetlands Reduce the Diffuse Phosphorus Loads to Eutrophic Water in Cold Temperate Regions?. Journal of Environmental Quality, 2005, 34, 2145-2155. | 1.0 | 101 |
| 63 | Cold Climate Phosphorus Uptake by Submerged Aquatic Plants in a Sewage Treatment Free Water Surface Wetland. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2005, 40, 1177-1190. | 0.9 | 2 |
| 64 | Phosphorus and nitrogen turnover and risk of waterborne phosphorus emissions in crop rotations on a clay soil in southwest Sweden. Soil Use and Management, 2005, 21, 221-230. | 2.6 | 14 |
| 65 | Size and Settling Velocities of Phosphorus-Containing Particles in Water from Agricultural Drains. Water, Air, and Soil Pollution, 2004, 157, 331-343. | 1.1 | 33 |
| 66 | Recent Trends and Patterns of Nutrient Concentrations in Small Agricultural Streams in Sweden. Environmental Monitoring and Assessment, 2004, 98, 307-322. | 1.3 | 9 |
| 67 | Transport of phosphorus forms and of nitrate through a clay soil under grass and cereal production. Nutrient Cycling in Agroecosystems, 2003, 65, 129-140. | 1.1 | 20 |
| 68 | Concentrations and transport of different forms of phosphorus during snowmelt runoff from an illite clay soil. Hydrological Processes, 2003, 17, 747-758. | 1.1 | 40 |
| 69 | Incidental phosphorus lossesâ€“ are they significant and can they be predicted?. Journal of Plant Nutrition and Soil Science, 2003, 166, 459-468. | 1.1 | 131 |
| 70 | A Decision Support System for Phosphorus Management at a Watershed Scale. Journal of Environmental Quality, 2002, 31, 937-945. | 1.0 | 34 |
| 71 | Phosphorus losses from a structured clay soil in relation to tillage practices. Soil Use and Management, 2002, 18, 79-83. | 2.6 | 47 |
| 72 | Model predictions and long-term trends in phosphorus transport from arable lands in Sweden. Agricultural Water Management, 2001, 49, 197-210. | 2.4 | 30 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Temporal and spatial variations of phosphorus losses and drainage in a structured clay soil. Water Research, 2000, 34, 1687-1695. | 5.3 | 49 |
| 74 | Mode of Transport of Surfaceâ€Applied Phosphorusâ€33 through a Clay and Sandy Soil. Journal of Environmental Quality, 1999, 28, 1273-1282. | 1.0 | 82 |
| 75 | Simulation of Nitrate Leaching before and after Conversion to Ecological Farming. Biological Agriculture and Horticulture, 1999, 17, 59-75. | 0.5 | 6 |
| 76 | Modelling particle mobilization and leaching in macroporous soil. European Journal of Soil Science, 1999, 50, 621-632. | 1.8 | 101 |
| 77 | Field-scale phosphorus losses from a drained clay soil in Sweden. Hydrological Processes, 1999, 13, 2801-2812. | 1.1 | 55 |
| 78 | Field-scale phosphorus losses from a drained clay soil in Sweden. , 1999, 13, 2801. | | 1 |
| 79 | Biogeochemistry and weathering in a forest catchment and an arable field in central Sweden. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 1998, 48, 201-211. | 0.3 | 1 |
| 80 | SIMULATION OF NITROGEN AND PHOSPHORUS LEACHING IN A STRUCTURED SOIL USING GLEAMS AND A NEW SUBMODEL, Â“PARTLEÂ”. Transactions of the American Society of Agricultural Engineers, 1998, 41, 353-360. | 0.9 | 23 |
| 81 | Leaching of plant nutrients and heavy metals during the composting of household wastes and chemical characterization of the final product. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 1997, 47, 142-148. | 0.3 | 4 |
| 82 | Nutrient losses by surface run-off from soils with winter cover crops and spring-ploughed soils in the south of Sweden. Soil and Tillage Research, 1997, 44, 165-177. | 2.6 | 49 |
| 83 | Losses of Nutrients through Leaching and Surface Runoff from Manure-Containing Composts. Biological Agriculture and Horticulture, 1993, 10, 29-37. | 0.5 | 24 |