

lo Mander

List of Publications by Year in Descending Order

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Version: 2024-04-25

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

206
papers

7,614
citations

45
h-index

79
g-index

269
ext. papers

8,855
ext. citations

4.8
avg, IF

6.13
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 206 | Morphological Variation in Absorptive Roots in Downy Birch (<i>Betula pubescens</i>) and Norway Spruce (<i>Picea abies</i>) Forests Growing on Drained Peat Soils. <i>Forests</i> , 2022 , 13, 112 | 2.8 | 0 |
| 205 | Archaea rather than bacteria govern green roofs greenhouse gas production. <i>Ecological Engineering</i> , 2022 , 176, 106530 | 3.9 | |
| 204 | Structure and function of the soil microbiome underlying NO emissions from global wetlands.. <i>Nature Communications</i> , 2022 , 13, 1430 | 17.4 | 0 |
| 203 | Does liming grasslands increase biomass productivity without causing detrimental impacts on net greenhouse gas emissions?.. <i>Environmental Pollution</i> , 2022 , 300, 118999 | 9.3 | |
| 202 | Low water level drives high nitrous oxide emissions from treatment wetland.. <i>Journal of Environmental Management</i> , 2022 , 312, 114914 | 7.9 | 0 |
| 201 | Carbon Flux Trajectories and Site Conditions from Restored Impounded Marshes in the Sacramento-San Joaquin Delta. <i>Geophysical Monograph Series</i> , 2021 , 247-271 | 1.1 | 2 |
| 200 | Long-term dynamics of soil, tree stem and ecosystem methane fluxes in a riparian forest. <i>Science of the Total Environment</i> , 2021 , 809, 151723 | 10.2 | 1 |
| 199 | Remotely Sensed Land Surface Temperature Can Be Used to Estimate Ecosystem Respiration in Intact and Disturbed Northern Peatlands. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021 , 126, e2021JG006411 | 3.7 | |
| 198 | Productive wetlands restored for carbon sequestration quickly become net CO2 sinks with site-level factors driving uptake variability. <i>PLoS ONE</i> , 2021 , 16, e0248398 | 3.7 | 13 |
| 197 | Temperature and pH define the realised niche space of arbuscular mycorrhizal fungi. <i>New Phytologist</i> , 2021 , 231, 763-776 | 9.8 | 31 |
| 196 | Effects of the nitrification inhibitor nitrapyrin and tillage practices on yield-scaled nitrous oxide emission from a maize field in Iran. <i>Pedosphere</i> , 2021 , 31, 314-322 | 5 | 7 |
| 195 | Invasive <i>Spartina alterniflora</i> changes the Yangtze Estuary salt marsh from CH4 sink to source. <i>Estuarine, Coastal and Shelf Science</i> , 2021 , 252, 107258 | 2.9 | 0 |
| 194 | Diurnal Tree Stem CH4 and N2O Flux Dynamics from a Riparian Alder Forest. <i>Forests</i> , 2021 , 12, 863 | 2.8 | 1 |
| 193 | FLUXNET-CH ₄ : a global, multi-ecosystem dataset and analysis of methane seasonality from freshwater wetlands. <i>Earth System Science Data</i> , 2021 , 13, 3607-3689 | 10.5 | 23 |
| 192 | Global macroecology of nitrogen-fixing plants. <i>Global Ecology and Biogeography</i> , 2021 , 30, 514-526 | 6.1 | 3 |
| 191 | Trees as net sinks for methane (CH ₄) and nitrous oxide (N ₂ O) in the lowland tropical rain forest on volcanic Rönun Island. <i>New Phytologist</i> , 2021 , 229, 1983-1994 | 9.8 | 16 |
| 190 | Remotely sensed phenological heterogeneity of restored wetlands: linking vegetation structure and function. <i>Agricultural and Forest Meteorology</i> , 2021 , 296, 108215 | 5.8 | 11 |

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|-----|--|------|----|
| 189 | Mapping the field of constructed wetland-microbial fuel cell: A review and bibliometric analysis. <i>Chemosphere</i> , 2021 , 262, 128366 | 8.4 | 28 |
| 188 | High denitrification potential but low nitrous oxide emission in a constructed wetland treating nitrate-polluted agricultural run-off. <i>Science of the Total Environment</i> , 2021 , 779, 146614 | 10.2 | 4 |
| 187 | Forest canopy mitigates soil N ₂ O emission during hot moments. <i>Npj Climate and Atmospheric Science</i> , 2021 , 4, | 8 | 1 |
| 186 | Recent research challenges in constructed wetlands for wastewater treatment: A review. <i>Ecological Engineering</i> , 2021 , 169, 106318 | 3.9 | 28 |
| 185 | Restoring wetlands on intensive agricultural lands modifies nitrogen cycling microbial communities and reduces NO production potential. <i>Journal of Environmental Management</i> , 2021 , 299, 113562 | 7.9 | 3 |
| 184 | Intensive Rain Hampers the Effectiveness of Nitrification Inhibition in Controlling N ₂ O Emissions from Dairy Slurry-Fertilized Soils. <i>Agriculture (Switzerland)</i> , 2020 , 10, 497 | 3 | 2 |
| 183 | Satellite Determination of Peatland Water Table Temporal Dynamics by Localizing Representative Pixels of A SWIR-Based Moisture Index. <i>Remote Sensing</i> , 2020 , 12, 2936 | 5 | 4 |
| 182 | Natural Nitrogen Isotope Ratios as a Potential Indicator of N ₂ O Production Pathways in a Floodplain Fen. <i>Water (Switzerland)</i> , 2020 , 12, 409 | 3 | 1 |
| 181 | Invasive <i>Spartina alterniflora</i> can mitigate N ₂ O emission in coastal salt marshes. <i>Ecological Engineering</i> , 2020 , 147, 105758 | 3.9 | 2 |
| 180 | Enhancing Nitrate Removal from Waters with Low Organic Carbon Concentration Using a Bioelectrochemical System: A Pilot-Scale Study. <i>Water (Switzerland)</i> , 2020 , 12, 516 | 3 | 3 |
| 179 | A Comparison of Three Trapezoid Models Using Optical and Thermal Satellite Imagery for Water Table Depth Monitoring in Estonian Bogs. <i>Remote Sensing</i> , 2020 , 12, 1980 | 5 | 3 |
| 178 | Methane emissions reduce the radiative cooling effect of a subtropical estuarine mangrove wetland by half. <i>Global Change Biology</i> , 2020 , 26, 4998-5016 | 11.4 | 16 |
| 177 | Short-term flooding increases CH ₄ and NO emissions from trees in a riparian forest soil-stem continuum. <i>Scientific Reports</i> , 2020 , 10, 3204 | 4.9 | 18 |
| 176 | Experimental harvesting of wetland plants to evaluate trade-offs between reducing methane emissions and removing nutrients accumulated to the biomass in constructed wetlands. <i>Science of the Total Environment</i> , 2020 , 715, 136960 | 10.2 | 10 |
| 175 | Increasing fragmentation of forest cover in Brazil's Legal Amazon from 2001 to 2017. <i>Scientific Reports</i> , 2020 , 10, 5803 | 4.9 | 21 |
| 174 | Refining the role of phenology in regulating gross ecosystem productivity across European peatlands. <i>Global Change Biology</i> , 2020 , 26, 876-887 | 11.4 | 9 |
| 173 | Frequency-domain electromagnetic induction for upscaling greenhouse gas fluxes in two hemiboreal drained peatland forests. <i>Journal of Applied Geophysics</i> , 2020 , 173, 103944 | 1.7 | 4 |
| 172 | Perspectives on agriculturally used drained peat soils: Comparison of the socioeconomic and ecological business environments of six European regions. <i>Land Use Policy</i> , 2020 , 90, 104181 | 5.6 | 16 |

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| 171 | The Role of Education in Increasing Awareness and Reducing Impact of Natural Hazards. <i>Sustainability</i> , 2020 , 12, 7623 | 3.6 | 3 |
| 170 | Constructed wetlands as potential breeding sites for amphibians in agricultural landscapes: A case study. <i>Ecological Engineering</i> , 2020 , 158, 106077 | 3.9 | 4 |
| 169 | Wintertime Greenhouse Gas Fluxes in Hemiboreal Drained Peatlands. <i>Atmosphere</i> , 2020 , 11, 731 | 2.7 | 4 |
| 168 | Effect of Cathode Material and Its Size on the Abundance of Nitrogen Removal Functional Genes in Microcosms of Integrated Bioelectrochemical-Wetland Systems. <i>Soil Systems</i> , 2020 , 4, 47 | 3.5 | 1 |
| 167 | Can subsurface flow constructed wetlands be applied in cold climate regions? A review of the current knowledge. <i>Ecological Engineering</i> , 2020 , 157, 105992 | 3.9 | 11 |
| 166 | Soil Bacterial and Archaeal Communities and Their Potential to Perform N-Cycling Processes in Soils of Boreal Forests Growing on Well-Drained Peat. <i>Frontiers in Microbiology</i> , 2020 , 11, 591358 | 5.7 | 8 |
| 165 | Environmental factors affecting greenhouse gas fluxes of green roofs in temperate zone. <i>Science of the Total Environment</i> , 2019 , 694, 133699 | 10.2 | 5 |
| 164 | Assessing the carbon and climate benefit of restoring degraded agricultural peat soils to managed wetlands. <i>Agricultural and Forest Meteorology</i> , 2019 , 268, 202-214 | 5.8 | 49 |
| 163 | Elevated atmospheric humidity shapes the carbon cycle of a silver birch forest ecosystem: A FAHM study. <i>Science of the Total Environment</i> , 2019 , 661, 441-448 | 10.2 | 5 |
| 162 | Carbon exchange in a hemiboreal mixed forest in relation to tree species composition. <i>Agricultural and Forest Meteorology</i> , 2019 , 275, 11-23 | 5.8 | 8 |
| 161 | Erosion Induced Heterogeneity of Soil Organic Matter in Catenae from the Baltic Sea Catchment. <i>Soil Systems</i> , 2019 , 3, 42 | 3.5 | 2 |
| 160 | Reviews and syntheses: Greenhouse gas exchange data from drained organic forest soils – a review of current approaches and recommendations for future research. <i>Biogeosciences</i> , 2019 , 16, 4687-4703 | 4.6 | 3 |
| 159 | The carbon balance of a six-year-old Scots pine (<i>Pinus sylvestris</i> L.) ecosystem estimated by different methods. <i>Forest Ecology and Management</i> , 2019 , 433, 248-262 | 3.9 | 12 |
| 158 | Relationships between field-measured hydrometeorological variables and satellite-based land surface temperature in a hemiboreal raised bog. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2019 , 74, 295-301 | 7.3 | 5 |
| 157 | Wetlands and carbon revisited. <i>Ecological Engineering</i> , 2018 , 114, 1-6 | 3.9 | 24 |
| 156 | Differences in microbial community structure and nitrogen cycling in natural and drained tropical peatland soils. <i>Scientific Reports</i> , 2018 , 8, 4742 | 4.9 | 35 |
| 155 | Nitrogen-rich organic soils under warm well-drained conditions are global nitrous oxide emission hotspots. <i>Nature Communications</i> , 2018 , 9, 1135 | 17.4 | 56 |
| 154 | Greenhouse gas emissions in natural and managed peatlands of America: Case studies along a latitudinal gradient. <i>Ecological Engineering</i> , 2018 , 114, 34-45 | 3.9 | 15 |

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| 153 | Efficiency of a newly established in-stream constructed wetland treating diffuse agricultural pollution. <i>Ecological Engineering</i> , 2018 , 119, 1-7 | 3.9 | 21 |
| 152 | Nitrogen and phosphorus discharge from small agricultural catchments predicted from land use and hydroclimate. <i>Land Use Policy</i> , 2018 , 75, 260-268 | 5.6 | 6 |
| 151 | Green and brown infrastructures support a landscape-level implementation of ecological engineering. <i>Ecological Engineering</i> , 2018 , 120, 23-35 | 3.9 | 11 |
| 150 | Annual net nitrogen mineralization and litter flux in well-drained downy birch, Norway spruce and Scots pine forest ecosystems. <i>Silva Fennica</i> , 2018 , 52, | 1.9 | 3 |
| 149 | Denitrification in Constructed Wetlands for Wastewater Treatment and Created Riverine Wetlands 2018 , 1983-1990 | | 0 |
| 148 | Nutrient Removal from Variable Stormwater Flows. <i>SpringerBriefs in Water Science and Technology</i> , 2018 , 31-55 | 1.8 | 1 |
| 147 | Treatment Efficiency of Diffuse Agricultural Pollution in a Constructed Wetland Impacted by Groundwater Seepage. <i>Water (Switzerland)</i> , 2018 , 10, 1601 | 3 | 10 |
| 146 | Biochar enhances plant growth and nutrient removal in horizontal subsurface flow constructed wetlands. <i>Science of the Total Environment</i> , 2018 , 639, 67-74 | 10.2 | 71 |
| 145 | Implications for constructed wetlands to mitigate nitrate and pesticide pollution in agricultural drained watersheds. <i>Ecological Engineering</i> , 2017 , 103, 415-425 | 3.9 | 78 |
| 144 | High-frequency measurement of N ₂ O emissions from a full-scale vertical subsurface flow constructed wetland. <i>Ecological Engineering</i> , 2017 , 108, 240-248 | 3.9 | 9 |
| 143 | Interacting environmental and chemical stresses under global change in temperate aquatic ecosystems: stress responses, adaptation, and scaling. <i>Regional Environmental Change</i> , 2017 , 17, 2061-2077 | 4.3 | 16 |
| 142 | Environmental feedbacks in temperate aquatic ecosystems under global change: why do we need to consider chemical stressors?. <i>Regional Environmental Change</i> , 2017 , 17, 2079-2096 | 4.3 | 7 |
| 141 | Weather extremes and tree species shape soil greenhouse gas fluxes in an experimental fast-growing deciduous forest of air humidity manipulation. <i>Ecological Engineering</i> , 2017 , 106, 369-377 | 3.9 | 8 |
| 140 | Emissions of methane from northern peatlands: a review of management impacts and implications for future management options. <i>Ecology and Evolution</i> , 2016 , 6, 7080-7102 | 2.8 | 68 |
| 139 | The Budyko hypothesis before Budyko: The hydrological legacy of Evald Oldekop. <i>Journal of Hydrology</i> , 2016 , 535, 386-391 | 6 | 21 |
| 138 | Biomass production and nitrogen balance of naturally afforested silver birch (<i>Betula pendula</i> Roth.) stand in Estonia. <i>Silva Fennica</i> , 2016 , 50, | 1.9 | 13 |
| 137 | Denitrification in Constructed Wetlands for Wastewater Treatment and Created Riverine Wetlands 2016 , 1-8 | | |
| 136 | Impact of water table level on annual carbon and greenhouse gas balances of a restored peat extraction area. <i>Biogeosciences</i> , 2016 , 13, 2637-2651 | 4.6 | 38 |

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| 135 | Dynamics of Bacterial Community Abundance and Structure in Horizontal Subsurface Flow Wetland Mesocosms Treating Municipal Wastewater. <i>Water (Switzerland)</i> , 2016 , 8, 457 | 3 | 10 |
| 134 | Impact of Reed Canary Grass Cultivation and Mineral Fertilisation on the Microbial Abundance and Genetic Potential for Methane Production in Residual Peat of an Abandoned Peat Extraction Area. <i>PLoS ONE</i> , 2016 , 11, e0163864 | 3.7 | 6 |
| 133 | Full carbon and greenhouse gas balances of fertilized and nonfertilized reed canary grass cultivations on an abandoned peat extraction area in a dry year. <i>GCB Bioenergy</i> , 2016 , 8, 952-968 | 5.6 | 10 |
| 132 | Hydrated Oil Shale Ash Mitigates Greenhouse Gas Emissions from Horizontal Subsurface Flow Filters for Wastewater Treatment. <i>Water, Air, and Soil Pollution</i> , 2016 , 227, 1 | 2.6 | 7 |
| 131 | The impact of a pulsing water table on wastewater purification and greenhouse gas emission in a horizontal subsurface flow constructed wetland. <i>Ecological Engineering</i> , 2015 , 80, 69-78 | 3.9 | 25 |
| 130 | The genetic potential of N ₂ emission via denitrification and ANAMMOX from the soils and sediments of a created riverine treatment wetland complex. <i>Ecological Engineering</i> , 2015 , 80, 181-190 | 3.9 | 32 |
| 129 | Long-term nitrate removal in a buffering pond-reservoir system receiving water from an agricultural drained catchment. <i>Ecological Engineering</i> , 2015 , 80, 32-45 | 3.9 | 26 |
| 128 | Transitions in European land-management regimes between 1800 and 2010. <i>Land Use Policy</i> , 2015 , 49, 53-64 | 5.6 | 194 |
| 127 | The effects of clear-cut on net nitrogen mineralization and nitrogen losses in a grey alder stand. <i>Ecological Engineering</i> , 2015 , 85, 237-246 | 3.9 | 13 |
| 126 | Alternative filter material removes phosphorus and mitigates greenhouse gas emission in horizontal subsurface flow filters for wastewater treatment. <i>Ecological Engineering</i> , 2015 , 77, 242-249 | 3.9 | 13 |
| 125 | Urbanisation-related Landscape Change in Space and Time along Spatial Gradients near Roads: A Case Study from Estonia. <i>Landscape Research</i> , 2015 , 40, 192-207 | 1.4 | 5 |
| 124 | Global Boundary Lines of N ₂ O and CH ₄ Emission in Peatlands 2015 , 87-102 | | 1 |
| 123 | The impact of a pulsing groundwater table on greenhouse gas emissions in riparian grey alder stands. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 2360-71 | 5.1 | 20 |
| 122 | The impact of the change in vegetation structure on the ecological functions of salt marshes: the example of the Yangtze estuary. <i>Regional Environmental Change</i> , 2014 , 14, 623-632 | 4.3 | 23 |
| 121 | Greenhouse gas emission in constructed wetlands for wastewater treatment: A review. <i>Ecological Engineering</i> , 2014 , 66, 19-35 | 3.9 | 173 |
| 120 | Nitrous oxide emission budgets and land-use-driven hotspots for organic soils in Europe. <i>Biogeosciences</i> , 2014 , 11, 6595-6612 | 4.6 | 47 |
| 119 | Isotopologue ratios of N ₂ O and N ₂ measurements underpin the importance of denitrification in differently N-loaded riparian alder forests. <i>Environmental Science & Technology</i> , 2014 , 48, 11910-8 | 10.3 | 17 |
| 118 | Effects of soil chemical characteristics and water regime on denitrification genes (nirS, nirK, and nosZ) abundances in a created riverine wetland complex. <i>Ecological Engineering</i> , 2014 , 72, 47-55 | 3.9 | 98 |

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| 117 | Characterization of bacterial communities in soil and sediment of a created riverine wetland complex using high-throughput 16S rRNA amplicon sequencing. <i>Ecological Engineering</i> , 2014 , 72, 56-66 | 3.9 | 127 |
| 116 | Climate regulation by free water surface constructed wetlands for wastewater treatment and created riverine wetlands. <i>Ecological Engineering</i> , 2014 , 72, 103-115 | 3.9 | 38 |
| 115 | Effects of land use intensity on soil nutrient distribution after reclamation in an estuary landscape. <i>Landscape Ecology</i> , 2013 , 28, 699-707 | 4.3 | 31 |
| 114 | Mitigation of greenhouse gas emissions from an abandoned Baltic peat extraction area by growing reed canary grass: life-cycle assessment. <i>Regional Environmental Change</i> , 2013 , 13, 781-795 | 4.3 | 16 |
| 113 | Hexachlorobenzene dechlorination in constructed wetland mesocosms. <i>Water Research</i> , 2013 , 47, 102-110 | 2.5 | 29 |
| 112 | Trends in the use of landscape spatial metrics as landscape indicators: A review. <i>Ecological Indicators</i> , 2013 , 28, 100-106 | 5.8 | 263 |
| 111 | Dynamics of antibiotic resistance genes and their relationships with system treatment efficiency in a horizontal subsurface flow constructed wetland. <i>Science of the Total Environment</i> , 2013 , 461-462, 636-447 | 10.2 | 77 |
| 110 | Greenhouse gas fluxes in an open air humidity manipulation experiment. <i>Landscape Ecology</i> , 2013 , 28, 637-649 | 4.3 | 22 |
| 109 | Wetlands, carbon, and climate change. <i>Landscape Ecology</i> , 2013 , 28, 583-597 | 4.3 | 512 |
| 108 | Landscape pattern and census area as determinants of the diversity of farmland avifauna in Estonia. <i>Regional Environmental Change</i> , 2013 , 13, 1013-1020 | 4.3 | 5 |
| 107 | Land-use change to bioenergy production in Europe: implications for the greenhouse gas balance and soil carbon. <i>GCB Bioenergy</i> , 2012 , 4, 372-391 | 5.6 | 265 |
| 106 | Reed canary grass cultivation mitigates greenhouse gas emissions from abandoned peat extraction areas. <i>GCB Bioenergy</i> , 2012 , 4, 462-474 | 5.6 | 32 |
| 105 | Increased organic carbon concentrations in Estonian rivers in the period 1992-2007 as affected by deepening droughts. <i>Biogeochemistry</i> , 2012 , 108, 351-358 | 3.8 | 17 |
| 104 | Dechlorination of hexachlorobenzene in treatment microcosm wetlands. <i>Ecological Engineering</i> , 2012 , 42, 249-255 | 3.9 | 10 |
| 103 | Indicators of nutrients transport from agricultural catchments under temperate climate: A review. <i>Ecological Indicators</i> , 2012 , 22, 4-15 | 5.8 | 101 |
| 102 | Bacterial community structure and its relationship to soil physico-chemical characteristics in alder stands with different management histories. <i>Ecological Engineering</i> , 2012 , 49, 10-17 | 3.9 | 50 |
| 101 | High-strength greywater treatment in compact hybrid filter systems with alternative substrates. <i>Ecological Engineering</i> , 2012 , 49, 84-92 | 3.9 | 27 |
| 100 | Denitrification and a nitrogen budget of created riparian wetlands. <i>Journal of Environmental Quality</i> , 2012 , 41, 2024-32 | 3.4 | 32 |

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| 99 | Emissions of CO ₂ , CH ₄ and N ₂ O from undisturbed, drained and mined peatlands in Estonia. <i>Hydrobiologia</i> , 2012 , 692, 41-55 | 2.4 | 40 |
| 98 | Reuse potential of phosphorus-rich filter materials from subsurface flow wastewater treatment filters for forest soil amendment. <i>Hydrobiologia</i> , 2012 , 692, 145-156 | 2.4 | 11 |
| 97 | The Influence of Green Roofs on Runoff Water Quality: A Case Study from Estonia. <i>Water Resources Management</i> , 2011 , 25, 3699-3713 | 3.7 | 40 |
| 96 | The Impact of Pulsing Hydrology and Fluctuating Water Table on Greenhouse Gas Emissions from Constructed Wetlands. <i>Wetlands</i> , 2011 , 31, 1023-1032 | 1.7 | 40 |
| 95 | Effect of reclamation time and land use on soil properties in Changjiang River Estuary, China. <i>Chinese Geographical Science</i> , 2011 , 21, 403-416 | 2.9 | 40 |
| 94 | Filter materials for phosphorus removal from wastewater in treatment wetlands: A review. <i>Ecological Engineering</i> , 2011 , 37, 70-89 | 3.9 | 516 |
| 93 | Methane emissions from freshwater riverine wetlands. <i>Ecological Engineering</i> , 2011 , 37, 16-24 | 3.9 | 78 |
| 92 | Dynamics of gaseous nitrogen and carbon fluxes in riparian alder forests. <i>Ecological Engineering</i> , 2011 , 37, 40-53 | 3.9 | 43 |
| 91 | Enhanced denitrification in a bioaugmented horizontal subsurface flow filter. <i>Ecological Engineering</i> , 2011 , 37, 1050-1057 | 3.9 | 13 |
| 90 | Long-term effects on the nitrogen budget of a short-rotation grey alder (<i>Alnus incana</i> (L.) Moench) forest on abandoned agricultural land. <i>Ecological Engineering</i> , 2011 , 37, 920-930 | 3.9 | 46 |
| 89 | Biogeochemical aspects of ecosystem restoration and rehabilitation. <i>Ecological Engineering</i> , 2011 , 37, 1003-1007 | 3.9 | 3 |
| 88 | Analysing the spatial structure of the Estonian landscapes: which landscape metrics are the most suitable for comparing different landscapes?. <i>Estonian Journal of Ecology</i> , 2011 , 60, 70 | | 17 |
| 87 | Coherence and fragmentation of landscape patterns as characterized by correlograms: A case study of Estonia. <i>Landscape and Urban Planning</i> , 2010 , 94, 31-37 | 7.7 | 19 |
| 86 | Assessment of methane and nitrous oxide fluxes in rural landscapes. <i>Landscape and Urban Planning</i> , 2010 , 98, 172-181 | 7.7 | 22 |
| 85 | Landscape assessment for sustainable planning. <i>Ecological Indicators</i> , 2010 , 10, 1-3 | 5.8 | 16 |
| 84 | Phosphorus removal using Ca-rich hydrated oil shale ash as filter material--the effect of different phosphorus loadings and wastewater compositions. <i>Water Research</i> , 2010 , 44, 5232-9 | 12.5 | 58 |
| 83 | Optimal Location of Created and Restored Wetlands in Mediterranean Agricultural Catchments. <i>Water Resources Management</i> , 2010 , 24, 2485-2499 | 3.7 | 14 |
| 82 | The status, conservation and sustainable use of Estonian wetlands. <i>Wetlands Ecology and Management</i> , 2010 , 18, 375-395 | 2.1 | 22 |

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| 81 | Correspondence of vegetation boundaries to redox barriers in a Northern European moraine plain. <i>Basic and Applied Ecology</i> , 2010 , 11, 54-64 | 3.2 | 6 |
| 80 | A case study of the performance of pilot scale light weight aggregates (LWA) based hybrid soil filters in Estonia. <i>Desalination</i> , 2010 , 250, 361-367 | 10.3 | 3 |
| 79 | Temperature regime of planted roofs compared with conventional roofing systems. <i>Ecological Engineering</i> , 2010 , 36, 91-95 | 3.9 | 60 |
| 78 | Wetland treatment at extremes of pH: a review. <i>Science of the Total Environment</i> , 2009 , 407, 3944-57 | 10.2 | 96 |
| 77 | The humidity buffer capacity of clay and plaster filled with phytomass from treatment wetlands. <i>Building and Environment</i> , 2009 , 44, 1864-1868 | 6.5 | 54 |
| 76 | The biomass and nutrient and heavy metal content of cattails and reeds in wastewater treatment wetlands for the production of construction material in Estonia. <i>Desalination</i> , 2009 , 246, 120-128 | 10.3 | 58 |
| 75 | The performance of peat-filled subsurface flow filters treating landfill leachate and municipal wastewater. <i>Ecological Engineering</i> , 2009 , 35, 204-212 | 3.9 | 28 |
| 74 | Improving wastewater effluent filtration by changing flow regimes Investigations in two cold climate pilot scale systems. <i>Ecological Engineering</i> , 2009 , 35, 193-203 | 3.9 | 20 |
| 73 | Dynamics of <i>Typha latifolia</i> L. populations in treatment wetlands in Estonia. <i>Ecological Engineering</i> , 2009 , 35, 258-264 | 3.9 | 42 |
| 72 | Pollution control by wetlands. <i>Ecological Engineering</i> , 2009 , 35, 153-158 | 3.9 | 39 |
| 71 | Bioaugmentation in a newly established LECA-based horizontal flow soil filter reduces the adaptation period and enhances denitrification. <i>Bioresource Technology</i> , 2009 , 100, 6284-9 | 11 | 17 |
| 70 | Greenroof potential to reduce temperature fluctuations of a roof membrane: A case study from Estonia. <i>Building and Environment</i> , 2009 , 44, 643-650 | 6.5 | 117 |
| 69 | Water quality problems and potential for wetlands as treatment systems in the Yangtze River Delta, China. <i>Wetlands</i> , 2009 , 29, 1125-1132 | 1.7 | 16 |
| 68 | Global warming potential of drained and undrained peatlands in Estonia: A synthesis. <i>Wetlands</i> , 2009 , 29, 1081-1092 | 1.7 | 30 |
| 67 | Active filtration of phosphorus on Ca-rich hydrated oil shale ash: does longer retention time improve the process?. <i>Environmental Science & Technology</i> , 2009 , 43, 3809-14 | 10.3 | 37 |
| 66 | Future options in landscape ecology: development and research. <i>Progress in Physical Geography</i> , 2009 , 33, 31-48 | 3.5 | 19 |
| 65 | Bayesian inference for oil spill related Net Environmental Benefit Analysis 2009 , | | 8 |
| 64 | Oil accident response simulation: allocation of potential places of refuge 2009 , | | 5 |

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| 63 | Bayesian inference for predicting potential oil spill related ecological risk 2009 , | | 17 |
| 62 | Gaseous fluxes in the nitrogen and carbon budgets of subsurface flow constructed wetlands. <i>Science of the Total Environment</i> , 2008 , 404, 343-53 | 10.2 | 70 |
| 61 | The influence of biophysical factors and former land use on forest floristic variability on Saaremaa and Muhu islands, Estonia. <i>Journal for Nature Conservation</i> , 2008 , 16, 123-134 | 2.3 | 8 |
| 60 | Climate-related Change in Terrestrial and Freshwater Ecosystems 2008 , 221-308 | | 9 |
| 59 | Hydrated calcareous oil-shale ash as potential filter media for phosphorus removal in constructed wetlands. <i>Water Research</i> , 2008 , 42, 1315-23 | 12.5 | 74 |
| 58 | Spatial correlograms of soil cover as an indicator of landscape heterogeneity. <i>Ecological Indicators</i> , 2008 , 8, 783-794 | 5.8 | 31 |
| 57 | Relationships between landscape pattern, wetland characteristics, and water quality in agricultural catchments. <i>Journal of Environmental Quality</i> , 2008 , 37, 2170-80 | 3.4 | 38 |
| 56 | Key sustainability issues and the spatial classification of sensitive regions in Europe 2008 , 471-494 | | 3 |
| 55 | Leachate Treatment in Newly Built Peat Filters: A Pilot-Scale Study 2008 , 89-98 | | 2 |
| 54 | Performance dynamics of a LWA-filled hybrid constructed wetland in Estonia. <i>Ecohydrology and Hydrobiology</i> , 2007 , 7, 297-302 | 2.8 | 4 |
| 53 | Multifunctional land use: meeting future demands for landscape goods and services 2007 , 1-13 | | 20 |
| 52 | Schoolhouse wastewater purification in a LWA-filled hybrid constructed wetland in Estonia. <i>Ecological Engineering</i> , 2007 , 29, 17-26 | 3.9 | 78 |
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