

# Ãælo Mander

## List of Publications by Year in descending order

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224  
papers

10,355  
citations

36203

51  
h-index

45213

90  
g-index

269  
all docs

269  
docs citations

269  
times ranked

10565  
citing authors

#	ARTICLE	IF	CITATIONS
1	Wetlands, carbon, and climate change. <i>Landscape Ecology</i> , 2013, 28, 583-597.	1.9	727
2	Filter materials for phosphorus removal from wastewater in treatment wetlands – A review. <i>Ecological Engineering</i> , 2011, 37, 70-89.	1.6	612
3	Trends in the use of landscape spatial metrics as landscape indicators: A review. <i>Ecological Indicators</i> , 2013, 28, 100-106.	2.6	338
4	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.	2.5	298
5	Transitions in European land-management regimes between 1800 and 2010. <i>Land Use Policy</i> , 2015, 49, 53-64.	2.5	261
6	Landscape Metrics and Indices: An Overview of Their Use in Landscape Research. <i>Living Reviews in Landscape Research</i> , 0, 3, .	0.0	240
7	Greenhouse gas emission in constructed wetlands for wastewater treatment: A review. <i>Ecological Engineering</i> , 2014, 66, 19-35.	1.6	237
8	Rainwater runoff quantity and quality performance from a greenroof: The effects of short-term events. <i>Ecological Engineering</i> , 2007, 30, 271-277.	1.6	228
9	Scale dependence of landscape metrics and their indicatory value for nutrient and organic matter losses from catchments. <i>Ecological Indicators</i> , 2005, 5, 350-369.	2.6	188
10	Emission of N <sub>2</sub> O, N <sub>2</sub> , CH <sub>4</sub> , and CO <sub>2</sub> from constructed wetlands for wastewater treatment and from riparian buffer zones. <i>Ecological Engineering</i> , 2005, 25, 528-541.	1.6	183
11	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.	1.6	166
12	Emission of the Greenhouse Gases Nitrous Oxide and Methane from Constructed Wetlands in Europe. <i>Journal of Environmental Quality</i> , 2006, 35, 2360-2373.	1.0	140
13	Greenroof potential to reduce temperature fluctuations of a roof membrane: A case study from Estonia. <i>Building and Environment</i> , 2009, 44, 643-650.	3.0	138
14	Efficiency and dimensioning of riparian buffer zones in agricultural catchments. <i>Ecological Engineering</i> , 1997, 8, 299-324.	1.6	137
15	Temperature and pH define the realised niche space of arbuscular mycorrhizal fungi. <i>New Phytologist</i> , 2021, 231, 763-776.	3.5	126
16	Recent research challenges in constructed wetlands for wastewater treatment: A review. <i>Ecological Engineering</i> , 2021, 169, 106318.	1.6	124
17	Wetland treatment at extremes of pH: A review. <i>Science of the Total Environment</i> , 2009, 407, 3944-3957.	3.9	123
18	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.	0.8	120

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19	Effects of soil chemical characteristics and water regime on denitrification genes (nirS, nirK, and) Tj ETQq1 1 0.784314 rgBT /Overlock 118	1.6	118
20	Indicators of nutrients transport from agricultural catchments under temperate climate: A review. Ecological Indicators, 2012, 22, 4-15.	2.6	116
21	Implications for constructed wetlands to mitigate nitrate and pesticide pollution in agricultural drained watersheds. Ecological Engineering, 2017, 103, 415-425.	1.6	109
22	Biochar enhances plant growth and nutrient removal in horizontal subsurface flow constructed wetlands. Science of the Total Environment, 2018, 639, 67-74.	3.9	103
23	Methane emissions from freshwater riverine wetlands. Ecological Engineering, 2011, 37, 16-24.	1.6	98
24	Nitrogen-rich organic soils under warm well-drained conditions are global nitrous oxide emission hotspots. Nature Communications, 2018, 9, 1135.	5.8	98
25	Nutrient runoff dynamics in a rural catchment: Influence of land-use changes, climatic fluctuations and ecotechnological measures. Ecological Engineering, 2000, 14, 405-417.	1.6	93
26	Dynamics of antibiotic resistance genes and their relationships with system treatment efficiency in a horizontal subsurface flow constructed wetland. Science of the Total Environment, 2013, 461-462, 636-644.	3.9	92
27	Landscape metrics as indicators of river water quality at catchment scale. Hydrology Research, 2007, 38, 125-138.	1.1	87
28	Schoolhouse wastewater purification in a LWA-filled hybrid constructed wetland in Estonia. Ecological Engineering, 2007, 29, 17-26.	1.6	87
29	Dynamics of phosphorus, nitrogen and carbon removal in a horizontal subsurface flow constructed wetland. Science of the Total Environment, 2007, 380, 66-74.	3.9	83
30	Gaseous fluxes in the nitrogen and carbon budgets of subsurface flow constructed wetlands. Science of the Total Environment, 2008, 404, 343-353.	3.9	80
31	Hydrated calcareous oil-shale ash as potential filter media for phosphorus removal in constructed wetlands. Water Research, 2008, 42, 1315-1323.	5.3	79
32	FLUXNET-CH&lt;sub&gt;4&lt;/sub&gt;: a global, multi-ecosystem dataset and analysis of methane seasonality from freshwater wetlands. Earth System Science Data, 2021, 13, 3607-3689.	3.7	79
33	Assessing the carbon and climate benefit of restoring degraded agricultural peat soils to managed wetlands. Agricultural and Forest Meteorology, 2019, 268, 202-214.	1.9	73
34	Structure and function of the soil microbiome underlying N2O emissions from global wetlands. Nature Communications, 2022, 13, 1430.	5.8	72
35	Landscape diversity changes in Estonia. Landscape and Urban Planning, 1998, 41, 163-169.	3.4	70
36	The biomass and nutrient and heavy metal content of cattails and reeds in wastewater treatment wetlands for the production of construction material in Estonia. Desalination, 2009, 246, 120-128.	4.0	70

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37	Differences in microbial community structure and nitrogen cycling in natural and drained tropical peatland soils. <i>Scientific Reports</i> , 2018, 8, 4742.	1.6	70
38	Temperature regime of planted roofs compared with conventional roofing systems. <i>Ecological Engineering</i> , 2010, 36, 91-95.	1.6	69
39	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, 5232-5239.	5.3	68
40	Nitrous oxide emission budgets and land-use-driven hotspots for organic soils in Europe. <i>Biogeosciences</i> , 2014, 11, 6595-6612.	1.3	68
41	Mapping the field of constructed wetland-microbial fuel cell: A review and bibliometric analysis. <i>Chemosphere</i> , 2021, 262, 128366.	4.2	67
42	Holistic aspects in landscape development: a scenario approach. <i>Landscape and Urban Planning</i> , 2000, 50, 85-94.	3.4	65
43	Ecological and low intensity agriculture as contributors to landscape and biological diversity. <i>Landscape and Urban Planning</i> , 1999, 46, 169-177.	3.4	63
44	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.	1.6	63
45	The humidity buffer capacity of clay-sand plaster filled with phytomass from treatment wetlands. <i>Building and Environment</i> , 2009, 44, 1864-1868.	3.0	62
46	Changes of landscape structure in Estonia during the Soviet period. <i>Geo Journal</i> , 1994, 33, 45-54.	1.7	60
47	Alternative Filter Media for Phosphorous Removal in a Horizontal Subsurface Flow Constructed Wetland. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2005, 40, 1251-1264.	0.9	56
48	Nutrient dynamics of riparian ecotones: A case study from the Porijõe River catchment, Estonia. <i>Landscape and Urban Planning</i> , 1995, 31, 333-348.	3.4	55
49	Dynamics of gaseous nitrogen and carbon fluxes in riparian alder forests. <i>Ecological Engineering</i> , 2011, 37, 40-53.	1.6	55
50	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.	1.3	54
51	Emissions of CO <sub>2</sub> , CH <sub>4</sub> and N <sub>2</sub> O from undisturbed, drained and mined peatlands in Estonia. <i>Hydrobiologia</i> , 2012, 692, 41-55.	1.0	53
52	Impact of climatic fluctuations and land use change on runoff and nutrient losses in rural landscapes. <i>Landscape and Urban Planning</i> , 1998, 41, 229-238.	3.4	52
53	The Impact of Pulsing Hydrology and Fluctuating Water Table on Greenhouse Gas Emissions from Constructed Wetlands. <i>Wetlands</i> , 2011, 31, 1023-1032.	0.7	52
54	The Influence of Green Roofs on Runoff Water Quality: A Case Study from Estonia. <i>Water Resources Management</i> , 2011, 25, 3699-3713.	1.9	51

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55	Effect of reclamation time and land use on soil properties in Changjiang River Estuary, China. <i>Chinese Geographical Science</i> , 2011, 21, 403-416.	1.2	51
56	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.	1.6	51
57	Increasing fragmentation of forest cover in Brazil's Legal Amazon from 2001 to 2017. <i>Scientific Reports</i> , 2020, 10, 5803.	1.6	50
58	Climate regulation by free water surface constructed wetlands for wastewater treatment and created riverine wetlands. <i>Ecological Engineering</i> , 2014, 72, 103-115.	1.6	49
59	Dynamics of <i>Typha latifolia</i> L. populations in treatment wetlands in Estonia. <i>Ecological Engineering</i> , 2009, 35, 258-264.	1.6	48
60	Relationships between Landscape Pattern, Wetland Characteristics, and Water Quality in Agricultural Catchments. <i>Journal of Environmental Quality</i> , 2008, 37, 2170-2180.	1.0	47
61	Pollution control by wetlands. <i>Ecological Engineering</i> , 2009, 35, 153-158.	1.6	47
62	Human impact on rural landscapes in central and northern Europe. <i>Landscape and Urban Planning</i> , 1998, 41, 149-153.	3.4	46
63	The genetic potential of N <sub>2</sub> 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.	1.6	45
64	Effects of land use intensity on soil nutrient distribution after reclamation in an estuary landscape. <i>Landscape Ecology</i> , 2013, 28, 699-707.	1.9	44
65	Holistic landscape ecology in action. <i>Landscape and Urban Planning</i> , 2000, 50, 1-6.	3.4	42
66	Active Filtration of Phosphorus on Ca-Rich Hydrated Oil Shale Ash: Does Longer Retention Time Improve the Process?. <i>Environmental Science &amp; Technology</i> , 2009, 43, 3809-3814.	4.6	42
67	Reed canary grass cultivation mitigates greenhouse gas emissions from abandoned peat extraction areas. <i>GCB Bioenergy</i> , 2012, 4, 462-474.	2.5	42
68	Variation of Microbiological Parameters Within Planted Soil Filter for Domestic Wastewater Treatment. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2005, 40, 1191-1200.	0.9	39
69	Hexachlorobenzene dechlorination in constructed wetland mesocosms. <i>Water Research</i> , 2013, 47, 102-110.	5.3	39
70	Multifunctional land use: meeting future demands for landscape goods and services. , 2007, , 1-13.		38
71	Denitrification and a Nitrogen Budget of Created Riparian Wetlands. <i>Journal of Environmental Quality</i> , 2012, 41, 2024-2032.	1.0	38
72	Riparian buffer zones as elements of ecological networks: Case study on <i>Parnassius mnemosyne</i> distribution in Estonia. <i>Ecological Engineering</i> , 2005, 24, 531-537.	1.6	37

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73	The effect of pre-aeration on the purification processes in the long-term performance of a horizontal subsurface flow constructed wetland. <i>Science of the Total Environment</i> , 2007, 380, 229-236.	3.9	37
74	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.	1.6	37
75	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.	2.5	37
76	Short-term flooding increases CH <sub>4</sub> and N <sub>2</sub> O emissions from trees in a riparian forest soil-stem continuum. <i>Scientific Reports</i> , 2020, 10, 3204.	1.6	36
77	Nutrient flows and land use change in a rural catchment: a modelling approach. <i>Landscape Ecology</i> , 2000, 15, 187-199.	1.9	35
78	Microbial Characteristics and Nitrogen Transformation in Planted Soil Filter for Domestic Wastewater Treatment. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2005, 40, 1201-1214.	0.9	35
79	Spatial correlograms of soil cover as an indicator of landscape heterogeneity. <i>Ecological Indicators</i> , 2008, 8, 783-794.	2.6	35
80	The performance of peat-filled subsurface flow filters treating landfill leachate and municipal wastewater. <i>Ecological Engineering</i> , 2009, 35, 204-212.	1.6	35
81	Wetlands and carbon revisited. <i>Ecological Engineering</i> , 2018, 114, 1-6.	1.6	35
82	High-strength greywater treatment in compact hybrid filter systems with alternative substrates. <i>Ecological Engineering</i> , 2012, 49, 84-92.	1.6	34
83	Productive wetlands restored for carbon sequestration quickly become net CO <sub>2</sub> sinks with site-level factors driving uptake variability. <i>PLoS ONE</i> , 2021, 16, e0248398.	1.1	33
84	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.	1.6	32
85	Trees as net sinks for methane (CH <sub>4</sub> ) and nitrous oxide (N <sub>2</sub> O) in the lowland tropical rain forest on volcanic RÅunion Island. <i>New Phytologist</i> , 2021, 229, 1983-1994.	3.5	32
86	Global warming potential of drained and undrained peatlands in estonia: A synthesis. <i>Wetlands</i> , 2009, 29, 1081-1092.	0.7	31
87	Methane emissions reduce the radiative cooling effect of a subtropical estuarine mangrove wetland by half. <i>Global Change Biology</i> , 2020, 26, 4998-5016.	4.2	31
88	Prospects for nature and landscape protection in Estonia. <i>Landscape and Urban Planning</i> , 1999, 46, 161-167.	3.4	30
89	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, 2360-2371.	2.7	30
90	The status, conservation and sustainable use of Estonian wetlands. <i>Wetlands Ecology and Management</i> , 2010, 18, 375-395.	0.7	29

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91	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.	1.4	29
92	Efficiency of a newly established in-stream constructed wetland treating diffuse agricultural pollution. <i>Ecological Engineering</i> , 2018, 119, 1-7.	1.6	29
93	Can subsurface flow constructed wetlands be applied in cold climate regions? A review of the current knowledge. <i>Ecological Engineering</i> , 2020, 157, 105992.	1.6	28
94	Improving wastewater effluent filtration by changing flow regimes—Investigations in two cold climate pilot scale systems. <i>Ecological Engineering</i> , 2009, 35, 193-203.	1.6	27
95	Assessment of methane and nitrous oxide fluxes in rural landscapes. <i>Landscape and Urban Planning</i> , 2010, 98, 172-181.	3.4	27
96	The Budyko hypothesis before Budyko: The hydrological legacy of Evald Oldekop. <i>Journal of Hydrology</i> , 2016, 535, 386-391.	2.3	27
97	Ecotechnological measures to control nutrient losses from catchments. <i>Water Science and Technology</i> , 1999, 40, 195.	1.2	26
98	Future options in landscape ecology: development and research. <i>Progress in Physical Geography</i> , 2009, 33, 31-48.	1.4	26
99	Greenhouse gas fluxes in an open air humidity manipulation experiment. <i>Landscape Ecology</i> , 2013, 28, 637-649.	1.9	26
100	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.	1.4	26
101	Greenhouse gas emissions in natural and managed peatlands of America: Case studies along a latitudinal gradient. <i>Ecological Engineering</i> , 2018, 114, 34-45.	1.6	26
102	Constructed wetlands for wastewater treatment in estonia. <i>Water Science and Technology</i> , 1997, 35, 323.	1.2	25
103	Cattail Population in Wastewater Treatment Wetlands in Estonia: Biomass Production, Retention of Nutrients, and Heavy Metals in Phytomass. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2005, 40, 1157-1166.	0.9	25
104	Refining the role of phenology in regulating gross ecosystem productivity across European peatlands. <i>Global Change Biology</i> , 2020, 26, 876-887.	4.2	25
105	Gaseous Fluxes from Subsurface Flow Constructed Wetlands for Wastewater Treatment. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2005, 40, 1215-1226.	0.9	24
106	Isotopologue Ratios of N <sub>2</sub> O and N <sub>2</sub> Measurements Underpin the Importance of Denitrification in Differently N-Loaded Riparian Alder Forests. <i>Environmental Science &amp; Technology</i> , 2014, 48, 11910-11918.	4.6	24
107	Bayesian inference for predicting potential oil spill related ecological risk. <i>WIT Transactions on the Built Environment</i> , 2009, , .	0.0	24
108	Nutrient flows and management of a small watershed. <i>Landscape Ecology</i> , 2002, 17, 59-68.	1.9	23

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109	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.	3.4	23
110	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.	1.4	23
111	Increased organic carbon concentrations in Estonian rivers in the period 1992–2007 as affected by deepening droughts. <i>Biogeochemistry</i> , 2012, 108, 351-358.	1.7	22
112	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.	3.9	22
113	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.	0.5	21
114	Nonpoint pollution in agricultural watersheds of endangered coastal seas. <i>Ecological Engineering</i> , 2000, 14, 317-324.	1.6	20
115	Bioaugmentation in a newly established LECA-based horizontal flow soil filter reduces the adaptation period and enhances denitrification. <i>Bioresource Technology</i> , 2009, 100, 6284-6289.	4.8	20
116	Landscape assessment for sustainable planning. <i>Ecological Indicators</i> , 2010, 10, 1-3.	2.6	20
117	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.	1.4	20
118	Biomass production and nitrogen balance of naturally afforested silver birch (&lt;i>Betula) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382	0.5	20
119	Species diversity of forest islands in agricultural landscapes of southern Finland, Estonia and Lithuania. <i>Landscape and Urban Planning</i> , 1995, 31, 153-169.	3.4	19
120	Constructed wetlands for wastewater treatment in Estonia. <i>Water Science and Technology</i> , 1997, 35, 323-330.	1.2	19
121	Water quality problems and potential for wetlands as treatment systems in the Yangtze River Delta, China. <i>Wetlands</i> , 2009, 29, 1125-1132.	0.7	18
122	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.	1.6	18
123	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.	1.5	18
124	Remotely sensed phenological heterogeneity of restored wetlands: linking vegetation structure and function. <i>Agricultural and Forest Meteorology</i> , 2021, 296, 108215.	1.9	18
125	Black alder as a promising deciduous species for the reclaiming of oil shale mining areas. <i>WIT Transactions on Ecology and the Environment</i> , 2006, , .	0.0	18
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.	1.6	17



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127	Treatment Efficiency of Diffuse Agricultural Pollution in a Constructed Wetland Impacted by Groundwater Seepage. <i>Water (Switzerland)</i> , 2018, 10, 1601.	1.2	17
128	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.	3.9	17
129	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.	2.5	16
130	Green and brown infrastructures support a landscape-level implementation of ecological engineering. <i>Ecological Engineering</i> , 2018, 120, 23-35.	1.6	16
131	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.	1.8	16
132	Global macroecology of nitrogen-fixing plants. <i>Global Ecology and Biogeography</i> , 2021, 30, 514-526.	2.7	16
133	Remediation of ecosystems damaged by environmental contamination: Applications of ecological engineering and ecosystem restoration in Central and Eastern Europe. <i>Ecological Engineering</i> , 1997, 8, 247-254.	1.6	15
134	Optimal Location of Created and Restored Wetlands in Mediterranean Agricultural Catchments. <i>Water Resources Management</i> , 2010, 24, 2485-2499.	1.9	15
135	Ecotechnological Measures to Control Nutrient Losses from Catchments. <i>Water Science and Technology</i> , 1999, 40, 195-202.	1.2	14
136	Reuse potential of phosphorus-rich filter materials from subsurface flow wastewater treatment filters for forest soil amendment. <i>Hydrobiologia</i> , 2012, 692, 145-156.	1.0	14
137	High-frequency measurement of N <sub>2</sub> O emissions from a full-scale vertical subsurface flow constructed wetland. <i>Ecological Engineering</i> , 2017, 108, 240-248.	1.6	14
138	Carbon exchange in a hemiboreal mixed forest in relation to tree species composition. <i>Agricultural and Forest Meteorology</i> , 2019, 275, 11-23.	1.9	14
139	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.	1.8	14
140	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.	2.1	14
141	Experimentally constructed wetlands for wastewater treatment in Estonia. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2000, 35, 1389-1401.	0.9	13
142	Modelling of excess nitrogen in small rural catchments. <i>Agriculture, Ecosystems and Environment</i> , 2005, 108, 45-56.	2.5	13
143	Estimation of Landscape Potential for Construction of Surface-Flow Wetlands for Wastewater Treatment in Estonia. <i>Environmental Management</i> , 2007, 40, 303-313.	1.2	13
144	Enhanced denitrification in a bioaugmented horizontal subsurface flow filter. <i>Ecological Engineering</i> , 2011, 37, 1050-1057.	1.6	13

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145	Dechlorination of hexachlorobenzene in treatment microcosm wetlands. <i>Ecological Engineering</i> , 2012, 42, 249-255.	1.6	13
146	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.	1.3	13
147	The Effects of Aeration and the Application of the k-C* Model in a Subsurface Flow Constructed Wetland. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2005, 40, 1445-1456.	0.9	12
148	Predictive vegetation mapping based on soil and topographical data: A case study from Saare County, Estonia. <i>Journal for Nature Conservation</i> , 2005, 13, 197-211.	0.8	12
149	Climate-related Change in Terrestrial and Freshwater Ecosystems. , 2008, , 221-308.		12
150	Dynamics of Bacterial Community Abundance and Structure in Horizontal Subsurface Flow Wetland Mesocosms Treating Municipal Wastewater. <i>Water (Switzerland)</i> , 2016, 8, 457.	1.2	12
151	Bayesian inference for oil spill related Net Environmental Benefit Analysis. , 2009, , .		12
152	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.	1.1	11
153	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.	1.4	11
154	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.	1.6	11
155	Nitrogen and phosphorus discharge from small agricultural catchments predicted from land use and hydroclimate. <i>Land Use Policy</i> , 2018, 75, 260-268.	2.5	11
156	Environmental factors affecting greenhouse gas fluxes of green roofs in temperate zone. <i>Science of the Total Environment</i> , 2019, 694, 133699.	3.9	11
157	Constructed wetlands as potential breeding sites for amphibians in agricultural landscapes: A case study. <i>Ecological Engineering</i> , 2020, 158, 106077.	1.6	11
158	Wintertime Greenhouse Gas Fluxes in Hemiboreal Drained Peatlands. <i>Atmosphere</i> , 2020, 11, 731.	1.0	11
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