

lo Mander

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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	Filter materials for phosphorus removal from wastewater in treatment wetlands: A review. <i>Ecological Engineering</i> , 2011 , 37, 70-89	3.9	516
205	Wetlands, carbon, and climate change. <i>Landscape Ecology</i> , 2013 , 28, 583-597	4.3	512
204	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
203	Trends in the use of landscape spatial metrics as landscape indicators: A review. <i>Ecological Indicators</i> , 2013 , 28, 100-106	5.8	263
202	Transitions in European land-management regimes between 1800 and 2010. <i>Land Use Policy</i> , 2015 , 49, 53-64	5.6	194
201	Rainwater runoff quantity and quality performance from a greenroof: The effects of short-term events. <i>Ecological Engineering</i> , 2007 , 30, 271-277	3.9	187
200	Landscape Metrics and Indices: An Overview of Their Use in Landscape Research. <i>Living Reviews in Landscape Research</i> , 3,		180
199	Greenhouse gas emission in constructed wetlands for wastewater treatment: A review. <i>Ecological Engineering</i> , 2014 , 66, 19-35	3.9	173
198	Emission of N ₂ O, N ₂ , CH ₄ , and CO ₂ from constructed wetlands for wastewater treatment and from riparian buffer zones. <i>Ecological Engineering</i> , 2005 , 25, 528-541	3.9	163
197	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	5.8	156
196	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
195	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
194	Emission of the greenhouse gases nitrous oxide and methane from constructed wetlands in europe. <i>Journal of Environmental Quality</i> , 2006 , 35, 2360-73	3.4	115
193	Efficiency and dimensioning of riparian buffer zones in agricultural catchments. <i>Ecological Engineering</i> , 1997 , 8, 299-324	3.9	114
192	Indicators of nutrients transport from agricultural catchments under temperate climate: A review. <i>Ecological Indicators</i> , 2012 , 22, 4-15	5.8	101
191	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
190	Wetland treatment at extremes of pH: a review. <i>Science of the Total Environment</i> , 2009 , 407, 3944-57	10.2	96

189	Nutrient runoff dynamics in a rural catchment: Influence of land-use changes, climatic fluctuations and ecotechnological measures. <i>Ecological Engineering</i> , 2000 , 14, 405-417	3.9	80
188	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
187	Methane emissions from freshwater riverine wetlands. <i>Ecological Engineering</i> , 2011 , 37, 16-24	3.9	78
186	Schoolhouse wastewater purification in a LWA-filled hybrid constructed wetland in Estonia. <i>Ecological Engineering</i> , 2007 , 29, 17-26	3.9	78
185	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, 636-44	10.2	77
184	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
183	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
182	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
181	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
180	Dynamics of phosphorus, nitrogen and carbon removal in a horizontal subsurface flow constructed wetland. <i>Science of the Total Environment</i> , 2007 , 380, 66-74	10.2	65
179	Landscape metrics as indicators of river water quality at catchment scale 2007 , 38, 125-138		62
178	Temperature regime of planted roofs compared with conventional roofing systems. <i>Ecological Engineering</i> , 2010 , 36, 91-95	3.9	60
177	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
176	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
175	Landscape diversity changes in Estonia. <i>Landscape and Urban Planning</i> , 1998 , 41, 163-169	7.7	57
174	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
173	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
172	Holistic aspects in landscape development: a scenario approach. <i>Landscape and Urban Planning</i> , 2000 , 50, 85-94	7.7	51

171	Ecological and low intensity agriculture as contributors to landscape and biological diversity. <i>Landscape and Urban Planning</i> , 1999 , 46, 169-177	7.7	51
170	Changes of landscape structure in Estonia during the Soviet period. <i>Geo Journal</i> , 1994 , 33, 45-54	2.2	51
169	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
168	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
167	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, 1251-64	2.3	49
166	Nitrous oxide emission budgets and land-use-driven hotspots for organic soils in Europe. <i>Biogeosciences</i> , 2014 , 11, 6595-6612	4.6	47
165	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
164	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	7.7	45
163	Dynamics of gaseous nitrogen and carbon fluxes in riparian alder forests. <i>Ecological Engineering</i> , 2011 , 37, 40-53	3.9	43
162	Dynamics of <i>Typha latifolia</i> L. populations in treatment wetlands in Estonia. <i>Ecological Engineering</i> , 2009 , 35, 258-264	3.9	42
161	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
160	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
159	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
158	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
157	Pollution control by wetlands. <i>Ecological Engineering</i> , 2009 , 35, 153-158	3.9	39
156	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
155	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
154	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

153	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
152	Nutrient dynamics of riparian ecotones: A case study from the Porijõgi River catchment, Estonia. <i>Landscape and Urban Planning</i> , 1995 , 31, 333-348	7.7	37
151	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, 1191-200	2.3	36
150	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
149	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, 229-36	10.2	34
148	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, 1201-14	2.3	33
147	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
146	Reed canary grass cultivation mitigates greenhouse gas emissions from abandoned peat extraction areas. <i>GCB Bioenergy</i> , 2012 , 4, 462-474	5.6	32
145	Denitrification and a nitrogen budget of created riparian wetlands. <i>Journal of Environmental Quality</i> , 2012 , 41, 2024-32	3.4	32
144	Human impact on rural landscapes in central and northern Europe. <i>Landscape and Urban Planning</i> , 1998 , 41, 149-153	7.7	32
143	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
142	Spatial correlograms of soil cover as an indicator of landscape heterogeneity. <i>Ecological Indicators</i> , 2008 , 8, 783-794	5.8	31
141	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	3.9	31
140	Temperature and pH define the realised niche space of arbuscular mycorrhizal fungi. <i>New Phytologist</i> , 2021 , 231, 763-776	9.8	31
139	Global warming potential of drained and undrained peatlands in Estonia: A synthesis. <i>Wetlands</i> , 2009 , 29, 1081-1092	1.7	30
138	Nutrient flows and land use change in a rural catchment: a modelling approach. <i>Landscape Ecology</i> , 2000 , 15, 187-199	4.3	30
137	Hexachlorobenzene dechlorination in constructed wetland mesocosms. <i>Water Research</i> , 2013 , 47, 102-110	2.5	29
136	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

135	Mapping the field of constructed wetland-microbial fuel cell: A review and bibliometric analysis. <i>Chemosphere</i> , 2021 , 262, 128366	8.4	28
134	Recent research challenges in constructed wetlands for wastewater treatment: A review. <i>Ecological Engineering</i> , 2021 , 169, 106318	3.9	28
133	High-strength greywater treatment in compact hybrid filter systems with alternative substrates. <i>Ecological Engineering</i> , 2012 , 49, 84-92	3.9	27
132	Prospects for nature and landscape protection in Estonia. <i>Landscape and Urban Planning</i> , 1999 , 46, 161-167	7.7	27
131	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
130	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
129	Holistic landscape ecology in action. <i>Landscape and Urban Planning</i> , 2000 , 50, 1-6	7.7	25
128	Wetlands and carbon revisited. <i>Ecological Engineering</i> , 2018 , 114, 1-6	3.9	24
127	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
126	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, 1157-66	2.3	23
125	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
124	Greenhouse gas fluxes in an open air humidity manipulation experiment. <i>Landscape Ecology</i> , 2013 , 28, 637-649	4.3	22
123	Assessment of methane and nitrous oxide fluxes in rural landscapes. <i>Landscape and Urban Planning</i> , 2010 , 98, 172-181	7.7	22
122	The status, conservation and sustainable use of Estonian wetlands. <i>Wetlands Ecology and Management</i> , 2010 , 18, 375-395	2.1	22
121	Increasing fragmentation of forest cover in Brazil's Legal Amazon from 2001 to 2017. <i>Scientific Reports</i> , 2020 , 10, 5803	4.9	21
120	The Budyko hypothesis before Budyko: The hydrological legacy of Evald Oldekop. <i>Journal of Hydrology</i> , 2016 , 535, 386-391	6	21
119	Efficiency of a newly established in-stream constructed wetland treating diffuse agricultural pollution. <i>Ecological Engineering</i> , 2018 , 119, 1-7	3.9	21
118	Constructed wetlands for wastewater treatment in Estonia. <i>Water Science and Technology</i> , 1997 , 35, 323	2.2	21

117	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
116	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
115	Multifunctional land use: meeting future demands for landscape goods and services 2007 , 1-13		20
114	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
113	Future options in landscape ecology: development and research. <i>Progress in Physical Geography</i> , 2009 , 33, 31-48	3.5	19
112	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, 1215-26	2.3	19
111	Nutrient flows and management of a small watershed. <i>Landscape Ecology</i> , 2002 , 17, 59-68	4.3	19
110	Short-term flooding increases CH and NO emissions from trees in a riparian forest soil-stem continuum. <i>Scientific Reports</i> , 2020 , 10, 3204	4.9	18
109	Nonpoint pollution in agricultural watersheds of endangered coastal seas. <i>Ecological Engineering</i> , 2000 , 14, 317-324	3.9	18
108	Ecotechnological measures to control nutrient losses from catchments. <i>Water Science and Technology</i> , 1999 , 40, 195	2.2	18
107	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
106	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
105	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
104	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
103	Constructed wetlands for wastewater treatment in Estonia. <i>Water Science and Technology</i> , 1997 , 35, 323-330	2.2	17
102	Bayesian inference for predicting potential oil spill related ecological risk 2009 ,		17
101	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
100	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

99	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
98	Landscape assessment for sustainable planning. <i>Ecological Indicators</i> , 2010 , 10, 1-3	5.8	16
97	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
96	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
95	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
94	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
93	Species diversity of forest islands in agricultural landscapes of southern Finland, Estonia and Lithuania. <i>Landscape and Urban Planning</i> , 1995 , 31, 153-169	7.7	15
92	Optimal Location of Created and Restored Wetlands in Mediterranean Agricultural Catchments. <i>Water Resources Management</i> , 2010 , 24, 2485-2499	3.7	14
91	Ecotechnological Measures to Control Nutrient Losses from Catchments. <i>Water Science and Technology</i> , 1999 , 40, 195-202	2.2	14
90	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
89	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
88	Enhanced denitrification in a bioaugmented horizontal subsurface flow filter. <i>Ecological Engineering</i> , 2011 , 37, 1050-1057	3.9	13
87	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	3.9	13
86	Estimation of landscape potential for construction of surface-flow wetlands for wastewater treatment in Estonia. <i>Environmental Management</i> , 2007 , 40, 303-13	3.1	13
85	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
84	Productive wetlands restored for carbon sequestration quickly become net CO ₂ sinks with site-level factors driving uptake variability. <i>PLoS ONE</i> , 2021 , 16, e0248398	3.7	13
83	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, 1445-56	2.3	12
82	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	2.3	12

81	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 ,	1	12
80	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
79	Green and brown infrastructures support a landscape-level implementation of ecological engineering. <i>Ecological Engineering</i> , 2018 , 120, 23-35	3.9	11
78	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
77	Modelling of excess nitrogen in small rural catchments. <i>Agriculture, Ecosystems and Environment</i> , 2005 , 108, 45-56	5.7	11
76	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
75	Remotely sensed phenological heterogeneity of restored wetlands: linking vegetation structure and function. <i>Agricultural and Forest Meteorology</i> , 2021 , 296, 108215	5.8	11
74	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
73	Dechlorination of hexachlorobenzene in treatment microcosm wetlands. <i>Ecological Engineering</i> , 2012 , 42, 249-255	3.9	10
72	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
71	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
70	Treatment Efficiency of Diffuse Agricultural Pollution in a Constructed Wetland Impacted by Groundwater Seepage. <i>Water (Switzerland)</i> , 2018 , 10, 1601	3	10
69	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
68	Climate-related Change in Terrestrial and Freshwater Ecosystems 2008 , 221-308		9
67	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
66	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
65	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
64	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

63	Bayesian inference for oil spill related Net Environmental Benefit Analysis 2009 ,		8
62	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
61	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
60	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	2.3	7
59	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
58	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
57	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
56	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
55	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
54	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
53	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
52	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
51	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
50	Oil accident response simulation: allocation of potential places of refuge 2009 ,		5
49	The use of greenroofs for the mitigation of environmental problems in urban areas. <i>WIT Transactions on Ecology and the Environment</i> , 2006 ,	1	5
48	The reclamation of the North Estonian oil shale mining-area 2007 , 387-401		5
47	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
46	Changing landscapes in Northeastern Europe based on examples from Baltic countries 123-134		5

45	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
44	Performance dynamics of a LWA-filled hybrid constructed wetland in Estonia. <i>Ecohydrology and Hydrobiology</i> , 2007 , 7, 297-302	2.8	4
43	Estonian landscape study: contextual history. <i>Belgeo</i> , 2004 , 231-244	0.8	4
42	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
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18	Residual Cadmium and Lead Pollution at a Former Soviet Military Airfield in Tartu, Estonia. <i>Water, Air and Soil Pollution</i> , 2004 , 4, 591-606		1
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