

# Björn Kläve

## List of Publications by Year in descending order

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Version: 2024-02-01

177  
papers

6,737  
citations

87723

38  
h-index

85405

71  
g-index

191  
all docs

191  
docs citations

191  
times ranked

7271  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thickness of peat influences the leaching of substances and greenhouse gas emissions from a cultivated organic soil. <i>Science of the Total Environment</i> , 2022, 806, 150499.	3.9	12
2	Optimization of Water-Energy-Food Nexus considering CO2 emissions from cropland: A case study in northwest Iran. <i>Applied Energy</i> , 2022, 307, 118236.	5.1	25
3	Experimental-numerical simulation of soluble formations in reservoirs. <i>Advances in Water Resources</i> , 2022, 160, 104109.	1.7	4
4	Nitrogen removal of mine-influenced water in a hybrid bioreactor with floating hook-moss ( <i>Warnstorfia fluitans</i> ) in cold climate conditions. <i>Ecological Engineering</i> , 2022, 177, 106562.	1.6	3
5	Smart drainage management to limit summer drought damage in Nordic agriculture under the circular economy concept. <i>Hydrological Processes</i> , 2022, 36, .	1.1	1
6	A Method for Assessment of Sub-daily Flow Alterations Using Wavelet Analysis for Regulated Rivers. <i>Water Resources Research</i> , 2022, 58, .	1.7	10
7	Peak Spring Flood Discharge Magnitude and Timing in Natural Rivers across Northern Finland: Long-Term Variability, Trends, and Links to Climate Teleconnections. <i>Water (Switzerland)</i> , 2022, 14, 1312.	1.2	5
8	Unmanned Aircraft System (UAS) Structure-From-Motion (SfM) for Monitoring the Changed Flow Paths and Wetness in Minerotrophic Peatland Restoration. <i>Remote Sensing</i> , 2022, 14, 3169.	1.8	7
9	Using Geomembrane Liners to Reduce Seepage through the Base of Tailings Ponds—A Review and a Framework for Design Guidelines. <i>Geosciences (Switzerland)</i> , 2021, 11, 93.	1.0	19
10	What conditions favor the influence of seasonally frozen ground on hydrological partitioning? A systematic review. <i>Environmental Research Letters</i> , 2021, 16, 043008.	2.2	21
11	Development of Aerial Photos and LIDAR Data Approaches to Map Spatial and Temporal Evolution of Ditch Networks in Peat-Dominated Catchments. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2021, 147, .	0.6	6
12	Modelling CO2 and CH4 emissions from drained peatlands with grass cultivation by the BASGRA-BGC model. <i>Science of the Total Environment</i> , 2021, 765, 144385.	3.9	5
13	Start-up of a “zero-discharge” recirculating aquaculture system using woodchip denitrification, constructed wetland, and sand infiltration. <i>Aquacultural Engineering</i> , 2021, 93, 102161.	1.4	18
14	Complex dynamics of water quality mixing in a warm mono-mictic reservoir. <i>Science of the Total Environment</i> , 2021, 777, 146097.	3.9	55
15	Hydraulic and Physical Properties of Managed and Intact Peatlands: Application of the Van Genuchten-Mualem Models to Peat Soils. <i>Water Resources Research</i> , 2021, 57, e2020WR028624.	1.7	10
16	Combined use of satellite image analysis, land-use statistics, and land-use-specific export coefficients to predict nutrients in drained peatland catchment. <i>Science of the Total Environment</i> , 2021, 779, 146419.	3.9	4
17	Peatland subsidence enhances cultivated lowland flood risk. <i>Soil and Tillage Research</i> , 2021, 212, 105078.	2.6	17
18	Subarctic catchment water storage and carbon cycling “Leading the way for future studies using integrated datasets at Pallas, Finland. <i>Hydrological Processes</i> , 2021, 35, e14350.	1.1	10

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19	An index-based approach for assessment of upstream-downstream flow regime alteration. <i>Journal of Hydrology</i> , 2021, 600, 126697.	2.3	8
20	Reliability of functional forms for calculation of longitudinal dispersion coefficient in rivers. <i>Science of the Total Environment</i> , 2021, 791, 148394.	3.9	14
21	A comprehensive uncertainty analysis of model-estimated longitudinal and lateral dispersion coefficients in open channels. <i>Journal of Hydrology</i> , 2021, 603, 126850.	2.3	25
22	Polar Ice as an Unconventional Water Resource: Opportunities and Challenges. <i>Water (Switzerland)</i> , 2021, 13, 3220.	1.2	9
23	A Scenario-Based Approach for Assessing the Hydrological Impacts of Land Use and Climate Change in the Marboreh Watershed, Iran. <i>Environmental Modeling and Assessment</i> , 2020, 25, 41-57.	1.2	53
24	Design, construction and monitoring of pilot systems to evaluate the effect of freeze-thaw cycles on pollutant retention in wetlands. <i>Science of the Total Environment</i> , 2020, 703, 134713.	3.9	6
25	Regionalization of potential evapotranspiration using a modified region of influence. <i>Theoretical and Applied Climatology</i> , 2020, 140, 115-127.	1.3	7
26	The mirage water concept and an index-based approach to quantify causes of hydrological changes in semi-arid regions. <i>Hydrological Sciences Journal</i> , 2020, 65, 311-324.	1.2	19
27	Fog-water harvesting Capability Index (FCI) mapping for a semi-humid catchment based on socio-environmental variables and using artificial intelligence algorithms. <i>Science of the Total Environment</i> , 2020, 708, 135115.	3.9	9
28	Changes in seasonality of groundwater level fluctuations in a temperate-cold climate transition zone. <i>Journal of Hydrology X</i> , 2020, 8, 100062.	0.8	29
29	Land use dominates climate controls on nitrogen and phosphorus export from managed and natural Nordic headwater catchments. <i>Hydrological Processes</i> , 2020, 34, 4831-4850.	1.1	20
30	Implications of Peat Soil Conceptualization for Groundwater Exfiltration in Numerical Modeling: A Study on a Hypothetical Peatland Hillslope. <i>Water Resources Research</i> , 2020, 56, e2019WR026203.	1.7	8
31	Iran's Agriculture in the Anthropocene. <i>Earth's Future</i> , 2020, 8, e2020EF001547.	2.4	82
32	Solids management in freshwater-recirculating aquaculture systems: Effectivity of inorganic and organic coagulants and the impact of operating parameters. <i>Science of the Total Environment</i> , 2020, 742, 140398.	3.9	28
33	Potential impacts of a future Nordic bioeconomy on surface water quality. <i>Ambio</i> , 2020, 49, 1722-1735.	2.8	31
34	Long-term data reveals the importance of hydraulic load and inflow water quality for Sb removal in boreal treatment peatlands. <i>Ecological Engineering</i> , 2020, 148, 105785.	1.6	8
35	Impacts of gold mine effluent on water quality in a pristine sub-Arctic river. <i>Journal of Hydrology</i> , 2020, 589, 125170.	2.3	16
36	Evaluating Impacts of Irrigation and Drought on River, Groundwater and a Terminal Wetland in the Zayanderud Basin, Iran. <i>Water (Switzerland)</i> , 2020, 12, 1302.	1.2	13

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37	Conceptual Mini-Catchment Typologies for Testing Dominant Controls of Nutrient Dynamics in Three Nordic Countries. <i>Water (Switzerland)</i> , 2020, 12, 1776.	1.2	12
38	Unsustainability Syndromeâ€”From Meteorological to Agricultural Drought in Arid and Semi-Arid Regions. <i>Water (Switzerland)</i> , 2020, 12, 838.	1.2	46
39	RiMARS: An automated river morphodynamics analysis method based on remote sensing multispectral datasets. <i>Science of the Total Environment</i> , 2020, 719, 137336.	3.9	17
40	Enhanced nitrogen removal of low carbon wastewater in denitrification bioreactors by utilizing industrial waste toward circular economy. <i>Journal of Cleaner Production</i> , 2020, 254, 119973.	4.6	30
41	Status of risk-based approach and national framework for safe drinking water in small water supplies of the Nordic water sector. <i>International Journal of Hygiene and Environmental Health</i> , 2020, 230, 113627.	2.1	13
42	Vulnerability of the Caspian Sea shoreline to changes in hydrology and climate. <i>Environmental Research Letters</i> , 2020, 15, 115002.	2.2	24
43	Caspian Sea is eutrophying: the alarming message of satellite data. <i>Environmental Research Letters</i> , 2020, 15, 124047.	2.2	42
44	GROUNDWATER EXFILTRATION TO PEATLANDS: A MODELLING STUDY ON A HYPOTHETICAL PEATLAND HILLSLOPE AND METHODS FOR SPATIAL MONITORING. , 2020, , .		0
45	Assimilation of Satellite-Based Data for Hydrological Mapping of Precipitation and Direct Runoff Coefficient for the Lake Urmia Basin in Iran. <i>Water (Switzerland)</i> , 2019, 11, 1624.	1.2	23
46	Monitoring Groundwater Storage Depletion Using Gravity Recovery and Climate Experiment (GRACE) Data in Bakhtegan Catchment, Iran. <i>Water (Switzerland)</i> , 2019, 11, 1456.	1.2	37
47	Determination of compound channel apparent shear stress: application of novel data mining models. <i>Journal of Hydroinformatics</i> , 2019, 21, 798-811.	1.1	65
48	A power market-based operation support model for sub-daily hydropower regulation practices. <i>Applied Energy</i> , 2019, 255, 113905.	5.1	13
49	Design parameters for nitrogen removal by constructed wetlands treating mine waters and municipal wastewater under Nordic conditions. <i>Science of the Total Environment</i> , 2019, 662, 559-570.	3.9	23
50	Snow to Precipitation Ratio Controls Catchment Storage and Summer Flows in Boreal Headwater Catchments. <i>Water Resources Research</i> , 2019, 55, 4096-4109.	1.7	30
51	Parameterisation of an integrated groundwater-surface water model for hydrological analysis of boreal aapa mire wetlands. <i>Journal of Hydrology</i> , 2019, 575, 175-191.	2.3	12
52	Combining unmanned aerial vehicle-based remote sensing and stable water isotope analysis to monitor treatment peatlands of mining areas. <i>Ecological Engineering</i> , 2019, 133, 137-147.	1.6	11
53	A tracer-based method for classifying groundwater dependence in boreal headwater streams. <i>Journal of Hydrology</i> , 2019, 577, 123762.	2.3	10
54	Thermal conductivity of unfrozen and partially frozen managed peat soils. <i>Soil and Tillage Research</i> , 2019, 191, 245-255.	2.6	20

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55	Impact of managed aquifer recharge structure on river flow regimes in arid and semi-arid climates. <i>Science of the Total Environment</i> , 2019, 675, 429-438.	3.9	18
56	Recent and future trends in sea surface temperature across the Persian Gulf and Gulf of Oman. <i>PLoS ONE</i> , 2019, 14, e0212790.	1.1	55
57	Understanding variability in root zone storage capacity in boreal regions. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 125-138.	1.9	4
58	Irrigation Requirement for <i>Eucalyptus pellita</i> during Initial Growth. <i>Water (Switzerland)</i> , 2019, 11, 1972.	1.2	3
59	Arsenic, antimony, and nickel leaching from northern peatlands treating mining influenced water in cold climate. <i>Science of the Total Environment</i> , 2019, 657, 1161-1172.	3.9	37
60	Urban flood risk mapping using the GARP and QUEST models: A comparative study of machine learning techniques. <i>Journal of Hydrology</i> , 2019, 569, 142-154.	2.3	272
61	Model-based evaluation of sediment control in a drained peatland forest after ditch network maintenance. <i>Canadian Journal of Forest Research</i> , 2018, 48, 130-140.	0.8	12
62	Long-term purification efficiency and factors affecting performance in peatland-based treatment wetlands: An analysis of 28 peat extraction sites in Finland. <i>Ecological Engineering</i> , 2018, 117, 153-164.	1.6	28
63	Snow profile temperature measurements in spatiotemporal analysis of snowmelt in a subarctic forest-mire hillslope. <i>Cold Regions Science and Technology</i> , 2018, 151, 119-132.	1.6	4
64	Regionalization of precipitation characteristics in Iran's Lake Urmia basin. <i>Theoretical and Applied Climatology</i> , 2018, 132, 363-373.	1.3	47
65	River suspended sediment modelling using the CART model: A comparative study of machine learning techniques. <i>Science of the Total Environment</i> , 2018, 615, 272-281.	3.9	207
66	Changes in short term river flow regulation and hydropeaking in Nordic rivers. <i>Scientific Reports</i> , 2018, 8, 17232.	1.6	56
67	Restoration increases transient storages in boreal headwater streams. <i>River Research and Applications</i> , 2018, 34, 1278-1285.	0.7	4
68	Increasing and Decreasing Nitrogen and Phosphorus Trends in Runoff from Drained Peatland Forests—Is There a Legacy Effect of Drainage or Not?. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	1.1	30
69	An Index-Based Approach to Assess the Water Availability for Irrigated Agriculture in Sub-Saharan Africa. <i>Water (Switzerland)</i> , 2018, 10, 896.	1.2	13
70	Spatiotemporal Variability and Trends in Extreme Temperature Events in Finland over the Recent Decades: Influence of Northern Hemisphere Teleconnection Patterns. <i>Advances in Meteorology</i> , 2018, 2018, 1-17.	0.6	6
71	Analysis of Effective Environmental Flow Release Strategies for Lake Urmia Restoration. <i>Water Resources Management</i> , 2018, 32, 3595-3609.	1.9	38
72	Effects of recent temperature variability and warming on the Oulu-Hailuoto ice road season in the northern Baltic Sea. <i>Cold Regions Science and Technology</i> , 2018, 151, 1-8.	1.6	14

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73	Greenhouse Gas Dynamics of a Northern Boreal Peatland Used for Treating Metal Mine Wastewater. <i>Wetlands</i> , 2018, 38, 905-917.	0.7	4
74	Microbial diversity along a gradient in peatlands treating mining-affected waters. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	1.3	17
75	Elevated nutrient concentrations in headwaters affected by drained peatland. <i>Science of the Total Environment</i> , 2018, 643, 1304-1313.	3.9	27
76	Effects of Drainage and Subsequent Restoration on Peatland Hydrological Processes at Catchment Scale. <i>Water Resources Research</i> , 2018, 54, 4479-4497.	1.7	13
77	Ditch network maintenance in peat-dominated boreal forests: Review and analysis of water quality management options. <i>Ambio</i> , 2018, 47, 535-545.	2.8	22
78	Use of remote sensing to analyse peatland changes after drainage for peat extraction. <i>Land Degradation and Development</i> , 2018, 29, 3479-3488.	1.8	29
79	A simple model structure enhances parameter identification and improves runoff prediction in ungauged high-latitude catchments. <i>Journal of Hydrology</i> , 2018, 563, 395-410.	2.3	3
80	Future options for cultivated Nordic peat soils: Can land management and rewetting control greenhouse gas emissions?. <i>Environmental Science and Policy</i> , 2017, 69, 85-93.	2.4	49
81	Restoration of nutrient-rich forestry-drained peatlands poses a risk for high exports of dissolved organic carbon, nitrogen, and phosphorus. <i>Science of the Total Environment</i> , 2017, 586, 858-869.	3.9	44
82	Differential responses by stream and riparian biodiversity to in-stream restoration of forestry-impacted streams. <i>Journal of Applied Ecology</i> , 2017, 54, 1505-1514.	1.9	24
83	Quantifying spatial groundwater dependence in peatlands through a distributed isotope mass balance approach. <i>Water Resources Research</i> , 2017, 53, 2524-2541.	1.7	24
84	Analysing the variability and trends of precipitation extremes in Finland and their connection to atmospheric circulation patterns. <i>International Journal of Climatology</i> , 2017, 37, 1053-1066.	1.5	27
85	Atmospheric circulation patterns explaining climatological drought dynamics in the boreal environment of Finland, 1962–2011. <i>International Journal of Climatology</i> , 2017, 37, 801-817.	1.5	15
86	Panorama das fontes de Águas subterrâneas e sistemas de abastecimento de Água, e poluição microbiana associada, na Finlândia, Noruega e Islândia. <i>Hydrogeology Journal</i> , 2017, 25, 1033-1044.	0.9	39
87	A current precipitation index-based model for continuous daily runoff simulation in seasonally snow covered sub-arctic catchments. <i>Journal of Hydrology</i> , 2017, 545, 182-196.	2.3	6
88	Analysis of land use and climate change impacts by comparing river flow records for headwaters and lowland reaches. <i>Global and Planetary Change</i> , 2017, 158, 47-56.	1.6	55
89	Long-term variability and trends in annual snowfall/total precipitation ratio in Finland and the role of atmospheric circulation patterns. <i>Cold Regions Science and Technology</i> , 2017, 143, 23-31.	1.6	29
90	Predicting organic matter, nitrogen, and phosphorus concentrations in runoff from peat extraction sites using partial least squares regression. <i>Water Resources Research</i> , 2017, 53, 5860-5876.	1.7	19

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91	Changes in Pore Water Quality After Peatland Restoration: Assessment of a Large-Scale, Replicated Before-After-Control-Impact Study in Finland. <i>Water Resources Research</i> , 2017, 53, 8327-8343.	1.7	30
92	Evaluation of erosion and surface roughness in peatland forest ditches using pin meter measurements and terrestrial laser scanning. <i>Earth Surface Processes and Landforms</i> , 2016, 41, 1299-1311.	1.2	12
93	Snow and frost: implications for spatiotemporal infiltration patterns – a review. <i>Hydrological Processes</i> , 2016, 30, 1230-1250.	1.1	60
94	Water-table-dependent hydrological changes following peatland forestry drainage and restoration: Analysis of restoration success. <i>Water Resources Research</i> , 2016, 52, 3742-3760.	1.7	53
95	Wintertime climate factors controlling snow resource decline in Finland. <i>International Journal of Climatology</i> , 2016, 36, 110-131.	1.5	24
96	Assessing impacts of climate change and river regulation on flow regimes in cold climate: A study of a pristine and a regulated river in the sub-arctic setting of Northern Europe. <i>Journal of Hydrology</i> , 2016, 542, 410-422.	2.3	44
97	Long-term accumulation and retention of Al, Fe and P in peat soils of northern treatment wetlands. <i>Ecological Engineering</i> , 2016, 93, 91-103.	1.6	14
98	Defining the natural flow regimes of boreal rivers: relationship with benthic macroinvertebrate communities. <i>Freshwater Science</i> , 2016, 35, 559-572.	0.9	20
99	Physical properties of peat soils under different land use options. <i>Soil Use and Management</i> , 2016, 32, 400-410.	2.6	24
100	The role of atmospheric circulation patterns in agroclimate variability in Finland, 1961–2011. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2016, 98, 287-301.	0.6	7
101	Can lake sensitivity to desiccation be predicted from lake geometry?. <i>Journal of Hydrology</i> , 2016, 539, 599-610.	2.3	18
102	Assessment of uncertainty in constructed wetland treatment performance and load estimation methods. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 365.	1.3	3
103	Century-long variability and trends in daily precipitation characteristics at three Finnish stations. <i>Advances in Climate Change Research</i> , 2016, 7, 54-69.	2.1	33
104	Erosion mechanisms and sediment sources in a peatland forest after ditch cleaning. <i>Earth Surface Processes and Landforms</i> , 2016, 41, 1841-1853.	1.2	13
105	The role of aluminium and iron in phosphorus removal by treatment peatlands. <i>Ecological Engineering</i> , 2016, 86, 190-201.	1.6	14
106	Evaluating the suitability of synthetic organic polymers to replace iron salts in the purification of humic and sediment-rich runoff. <i>Desalination and Water Treatment</i> , 2016, 57, 10948-10957.	1.0	6
107	Optimization of Gravity-Driven Hydraulic Flocculators to Treat Peat Extraction Runoff Water. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2016, 142, 04015045.	0.6	3
108	Spatial and temporal variation in particle size and particulate organic matter content in suspended particulate matter from peatland-dominated catchments in Finland. <i>Hydrological Processes</i> , 2015, 29, 1069-1079.	1.1	19

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109	Interannual variations and trends in surface air temperature in Finland in relation to atmospheric circulation patterns, 1961–2011. <i>International Journal of Climatology</i> , 2015, 35, 3078-3092.	1.5	34
110	Atmospheric circulation patterns influencing variations in organic carbon fluxes in the River Oulujoki, Finland. <i>Water and Environment Journal</i> , 2015, 29, 474-481.	1.0	1
111	Climate-induced warming imposes a threat to north European spring ecosystems. <i>Global Change Biology</i> , 2015, 21, 4561-4569.	4.2	52
112	Do atmospheric teleconnection patterns explain variations and trends in thermal growing season parameters in Finland?. <i>International Journal of Climatology</i> , 2015, 35, 4619-4630.	1.5	34
113	Estimation of temporal and spatial variations in groundwater recharge in unconfined sand aquifers using Scots pine inventories. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 1961-1976.	1.9	20
114	Quantifying groundwater dependence of a sub-polar lake cluster in Finland using an isotope mass balance approach. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 1247-1262.	1.9	36
115	Ditch erosion processes and sediment transport in a drained peatland forest. <i>Ecological Engineering</i> , 2015, 75, 421-433.	1.6	23
116	Fully integrated surface–subsurface flow modelling of groundwater–lake interaction in an esker aquifer: Model verification with stable isotopes and airborne thermal imaging. <i>Journal of Hydrology</i> , 2015, 522, 391-406.	2.3	72
117	Testing peatland water-table depth transfer functions using high-resolution hydrological monitoring data. <i>Quaternary Science Reviews</i> , 2015, 120, 107-117.	1.4	47
118	Effects of climate variability and change on snowpack hydrological processes in Finland. <i>Cold Regions Science and Technology</i> , 2015, 118, 14-29.	1.6	20
119	Runoff Curve Numbers for Peat-Dominated Watersheds. <i>Journal of Hydrologic Engineering - ASCE</i> , 2015, 20, .	0.8	15
120	Variability in dryness and wetness in central Finland and the role of teleconnection patterns. <i>Theoretical and Applied Climatology</i> , 2015, 122, 471-486.	1.3	35
121	A sensitivity analysis of lake water level response to changes in climate and river regimes. <i>Limnologica</i> , 2015, 51, 118-130.	0.7	42
122	A continental-scale hydrology and water quality model for Europe: Calibration and uncertainty of a high-resolution large-scale SWAT model. <i>Journal of Hydrology</i> , 2015, 524, 733-752.	2.3	1,136
123	Purification efficiency of a peatland-based treatment wetland during snowmelt and runoff events. <i>Ecological Engineering</i> , 2015, 84, 169-179.	1.6	5
124	Wintertime purification efficiency of constructed wetlands treating runoff from peat extraction in a cold climate. <i>Ecological Engineering</i> , 2015, 85, 13-25.	1.6	20
125	Environmental conditions of boreal springs explained by capture zone characteristics. <i>Journal of Hydrology</i> , 2015, 531, 992-1002.	2.3	18
126	Efficient removal of arsenic, antimony and nickel from mine wastewaters in Northern treatment peatlands and potential risks in their long-term use. <i>Ecological Engineering</i> , 2015, 75, 350-364.	1.6	59



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127	Hydrology and hydraulics of treatment wetlands constructed on drained peatlands. <i>Ecological Engineering</i> , 2015, 75, 232-241.	1.6	15
128	Does groundwater protection in Europe require new EU-wide environmental quality standards?. <i>Frontiers in Chemistry</i> , 2014, 2, 32.	1.8	17
129	Protection of groundwater dependent ecosystems: current policies and future management options. <i>Water Policy</i> , 2014, 16, 1070-1086.	0.7	10
130	Long-term variations and trends in precipitation in Finland. <i>International Journal of Climatology</i> , 2014, 34, 3139-3153.	1.5	58
131	Can treatment wetlands be constructed on drained peatlands for efficient purification of peat extraction runoff?. <i>Geoderma</i> , 2014, 228-229, 33-43.	2.3	16
132	pH-levels in intensively drained and peatland-dominated river basin: Paleolimnological approach to detect impacts of past land use. <i>Ecological Engineering</i> , 2014, 64, 367-376.	1.6	3
133	Development of a new index to assess river regime impacts after dam construction. <i>Global and Planetary Change</i> , 2014, 122, 186-196.	1.6	52
134	Impact of peatland drainage and restoration on esker groundwater resources: modeling future scenarios for management. <i>Hydrogeology Journal</i> , 2014, 22, 1131-1145.	0.9	26
135	Climate change impacts on groundwater and dependent ecosystems. <i>Journal of Hydrology</i> , 2014, 518, 250-266.	2.3	428
136	Storage, properties and seasonal variations in fine-grained bed sediment within the main channel and headwaters of the River Sanginjoki, Finland. <i>Hydrological Processes</i> , 2014, 28, 4756-4765.	1.1	17
137	Effect of soil properties on peat erosion and suspended sediment delivery in drained peatlands. <i>Water Resources Research</i> , 2014, 50, 3523-3535.	1.7	19
138	Interaction of esker groundwater with headwater lakes and streams. <i>Journal of Hydrology</i> , 2013, 500, 144-156.	2.3	37
139	Transport of particle-associated elements in two agriculture-dominated boreal river systems. <i>Science of the Total Environment</i> , 2013, 461-462, 693-705.	3.9	12
140	Impact of peatland forestry on runoff water quality in areas with sulphide-bearing sediments; how to prevent acid surges. <i>Forest Ecology and Management</i> , 2013, 293, 17-28.	1.4	22
141	Development of a general river regime index (RRI) for intra-annual flow variation based on the unit river concept and flow variation end-points. <i>Journal of Hydrology</i> , 2013, 503, 169-177.	2.3	29
142	Optimisation of chemical purification conditions for direct application of solid metal salt coagulants: Treatment of peatland-derived diffuse runoff. <i>Journal of Environmental Sciences</i> , 2013, 25, 659-669.	3.2	9
143	Adsorption kinetics of nitrate ions on ion exchange resin. <i>Desalination</i> , 2013, 326, 125-134.	4.0	45
144	Groundwater Pollution and Quality Monitoring Approaches at the European Level. <i>Critical Reviews in Environmental Science and Technology</i> , 2013, 43, 323-408.	6.6	58

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145	A decision analysis framework for stakeholder involvement and learning in groundwater management. <i>Hydrology and Earth System Sciences</i> , 2013, 17, 5141-5153.	1.9	22
146	Use of Turbidity Measurements to Estimate Suspended Solids and Nutrient Loads from Peatland Forestry Drainage. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2012, 138, 1088-1096.	0.6	20
147	Assessment of temporal and spatial variation in chemical composition of groundwater in an unconfined esker aquifer in the cold temperate climate of Northern Finland. <i>Cold Regions Science and Technology</i> , 2012, 71, 118-128.	1.6	17
148	Spatial and temporal variability of diatom and macroinvertebrate communities: How representative are ecological classifications within a river system?. <i>Ecological Indicators</i> , 2012, 18, 208-217.	2.6	29
149	Modeling of nitrate removal for ion exchange resin in batch and fixed bed experiments. <i>Desalination</i> , 2012, 284, 22-31.	4.0	71
150	Groundwater-surface water interaction between an esker aquifer and a drained fen. <i>Journal of Hydrology</i> , 2012, 432-433, 52-60.	2.3	45
151	A sequential modelling approach to assess groundwater-surface water resources in a snow dominated region of Finland. <i>Journal of Hydrology</i> , 2011, 411, 91-107.	2.3	60
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