

# Björn Kläve

## List of Publications by Year in descending order

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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	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
2	Climate change impacts on groundwater and dependent ecosystems. <i>Journal of Hydrology</i> , 2014, 518, 250-266.	2.3	428
3	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
4	Groundwater dependent ecosystems. Part I: Hydroecological status and trends. <i>Environmental Science and Policy</i> , 2011, 14, 770-781.	2.4	223
5	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
6	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
7	Emission of N <sub>2</sub> O and CH <sub>4</sub> from a constructed wetland in southeastern Norway. <i>Science of the Total Environment</i> , 2007, 380, 28-37.	3.9	96
8	Dynamics of erosion and suspended sediment transport from drained peatland forestry. <i>Journal of Hydrology</i> , 2010, 388, 414-425.	2.3	89
9	Groundwater dependent ecosystems. Part II. Ecosystem services and management in Europe under risk of climate change and land use intensification. <i>Environmental Science and Policy</i> , 2011, 14, 782-793.	2.4	87
10	Iran's Agriculture in the Anthropocene. <i>Earth's Future</i> , 2020, 8, e2020EF001547.	2.4	82
11	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
12	Modeling of nitrate removal for ion exchange resin in batch and fixed bed experiments. <i>Desalination</i> , 2012, 284, 22-31.	4.0	71
13	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
14	A conceptual and statistical approach for the analysis of climate impact on ground water table fluctuation patterns in cold conditions. <i>Journal of Hydrology</i> , 2010, 388, 1-12.	2.3	63
15	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
16	Snow and frost: implications for spatiotemporal infiltration patterns – a review. <i>Hydrological Processes</i> , 2016, 30, 1230-1250.	1.1	60
17	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
18	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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19	Long-term variations and trends in precipitation in Finland. <i>International Journal of Climatology</i> , 2014, 34, 3139-3153.	1.5	58
20	Changes in short term river flow regulation and hydropeaking in Nordic rivers. <i>Scientific Reports</i> , 2018, 8, 17232.	1.6	56
21	Leaching of nutrients and emission of greenhouse gases from peatland cultivation at Bodin, Northern Norway. <i>Geoderma</i> , 2010, 154, 219-232.	2.3	55
22	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
23	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
24	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
25	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
26	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
27	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
28	Climate-induced warming imposes a threat to north European spring ecosystems. <i>Global Change Biology</i> , 2015, 21, 4561-4569.	4.2	52
29	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
30	Characteristics of nitrogen and phosphorus loads in peat mining wastewater. <i>Water Research</i> , 2001, 35, 2353-2362.	5.3	48
31	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
32	Regionalization of precipitation characteristics in Iran's Lake Urmia basin. <i>Theoretical and Applied Climatology</i> , 2018, 132, 363-373.	1.3	47
33	Use of stable isotopes and tracers to detect preferential flow patterns in a peatland treating municipal wastewater. <i>Journal of Hydrology</i> , 2007, 347, 418-429.	2.3	46
34	Unsustainability Syndrome—From Meteorological to Agricultural Drought in Arid and Semi-Arid Regions. <i>Water (Switzerland)</i> , 2020, 12, 838.	1.2	46
35	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
36	Adsorption kinetics of nitrate ions on ion exchange resin. <i>Desalination</i> , 2013, 326, 125-134.	4.0	45

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37	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
38	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
39	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
40	Caspian Sea is eutrophying: the alarming message of satellite data. <i>Environmental Research Letters</i> , 2020, 15, 124047.	2.2	42
41	Long-term trends and variation of acidity, CODMn and colour in coastal rivers of Western Finland in relation to climate and hydrology. <i>Science of the Total Environment</i> , 2010, 408, 5019-5027.	3.9	39
42	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
43	Analysis of Effective Environmental Flow Release Strategies for Lake Urmia Restoration. <i>Water Resources Management</i> , 2018, 32, 3595-3609.	1.9	38
44	Interaction of esker groundwater with headwater lakes and streams. <i>Journal of Hydrology</i> , 2013, 500, 144-156.	2.3	37
45	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
46	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
47	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
48	Generation and regulation of summer runoff in a boreal flat fen. <i>Journal of Hydrology</i> , 2008, 360, 15-30.	2.3	35
49	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
50	Degradation of cultivated peat soils in northern Norway based on field scale CO <sub>2</sub> , N <sub>2</sub> O and CH <sub>4</sub> emission measurements. <i>Archives of Agronomy and Soil Science</i> , 2006, 52, 149-159.	1.3	34
51	Hydraulics and flow modelling of water treatment wetlands constructed on peatlands in Northern Finland. <i>Water Research</i> , 2008, 42, 3826-3836.	5.3	34
52	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
53	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
54	Tracing sources of summer streamflow in boreal headwaters using isotopic signatures and water geochemical components. <i>Journal of Hydrology</i> , 2006, 331, 186-204.	2.3	33

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55	Erosion and delivery of deposited peat sediment. <i>Water Resources Research</i> , 2008, 44, .	1.7	33
56	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
57	Potential impacts of a future Nordic bioeconomy on surface water quality. <i>Ambio</i> , 2020, 49, 1722-1735.	2.8	31
58	Managing runoff, water quality and erosion in peatland forestry by peak runoff control. <i>Ecological Engineering</i> , 2010, 36, 900-911.	1.6	30
59	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
60	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
61	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
62	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
63	Long-term phosphorus and nitrogen removal processes and preferential flow paths in Northern constructed peatlands. <i>Ecological Engineering</i> , 2009, 35, 843-855.	1.6	29
64	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
65	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
66	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
67	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
68	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
69	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
70	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
71	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
72	Elevated nutrient concentrations in headwaters affected by drained peatland. <i>Science of the Total Environment</i> , 2018, 643, 1304-1313.	3.9	27

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73	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
74	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
75	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
76	Wintertime climate factors controlling snow resource decline in Finland. <i>International Journal of Climatology</i> , 2016, 36, 110-131.	1.5	24
77	Physical properties of peat soils under different land use options. <i>Soil Use and Management</i> , 2016, 32, 400-410.	2.6	24
78	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
79	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
80	Vulnerability of the Caspian Sea shoreline to changes in hydrology and climate. <i>Environmental Research Letters</i> , 2020, 15, 115002.	2.2	24
81	Ditch erosion processes and sediment transport in a drained peatland forest. <i>Ecological Engineering</i> , 2015, 75, 421-433.	1.6	23
82	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
83	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
84	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
85	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
86	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
87	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
88	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
89	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
90	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

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91	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
92	Defining the natural flow regimes of boreal rivers: relationship with benthic macroinvertebrate communities. <i>Freshwater Science</i> , 2016, 35, 559-572.	0.9	20
93	Thermal conductivity of unfrozen and partially frozen managed peat soils. <i>Soil and Tillage Research</i> , 2019, 191, 245-255.	2.6	20
94	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
95	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
96	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
97	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
98	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
99	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
100	Environmental conditions of boreal springs explained by capture zone characteristics. <i>Journal of Hydrology</i> , 2015, 531, 992-1002.	2.3	18
101	Can lake sensitivity to desiccation be predicted from lake geometry?. <i>Journal of Hydrology</i> , 2016, 539, 599-610.	2.3	18
102	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
103	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
104	Retention of Sediment and Nutrient Loads with Peak Runoff Control. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2009, 135, 210-216.	0.6	17
105	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
106	Does groundwater protection in Europe require new EU-wide environmental quality standards?. <i>Frontiers in Chemistry</i> , 2014, 2, 32.	1.8	17
107	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
108	Microbial diversity along a gradient in peatlands treating mining-affected waters. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	1.3	17



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109	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
110	Peatland subsidence enhances cultivated lowland flood risk. <i>Soil and Tillage Research</i> , 2021, 212, 105078.	2.6	17
111	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
112	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
113	Runoff Curve Numbers for Peat-Dominated Watersheds. <i>Journal of Hydrologic Engineering - ASCE</i> , 2015, 20, .	0.8	15
114	Hydrology and hydraulics of treatment wetlands constructed on drained peatlands. <i>Ecological Engineering</i> , 2015, 75, 232-241.	1.6	15
115	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
116	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
117	The role of aluminium and iron in phosphorus removal by treatment peatlands. <i>Ecological Engineering</i> , 2016, 86, 190-201.	1.6	14
118	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
119	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
120	Runoff generation in a plough-drained cutover fen in Central Finland. <i>Journal of Hydrology</i> , 1999, 218, 157-168.	2.3	13
121	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
122	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
123	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
124	A power market-based operation support model for sub-daily hydropower regulation practices. <i>Applied Energy</i> , 2019, 255, 113905.	5.1	13
125	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
126	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



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127	Framework for designing and applying peak runoff control structures for peatland forestry conditions. <i>Forest Ecology and Management</i> , 2010, 260, 1262-1273.	1.4	12
128	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
129	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
130	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
131	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
132	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
133	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
134	Analysis of Nitrogen Removal Processes in a Subsurface Flow Carbonate Sand Filter Treating Municipal Wastewater. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2005, 40, 1381-1401.	0.9	11
135	Calibration of turbidity meter and acoustic doppler velocimetry (Triton®ADV) for sediment types present in drained peatland headwaters: Focus on particulate organic peat. <i>River Research and Applications</i> , 2010, 26, 1019-1035.	0.7	11
136	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
137	Protection of groundwater dependent ecosystems: current policies and future management options. <i>Water Policy</i> , 2014, 16, 1070-1086.	0.7	10
138	A tracer-based method for classifying groundwater dependence in boreal headwater streams. <i>Journal of Hydrology</i> , 2019, 577, 123762.	2.3	10
139	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
140	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
141	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
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	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
144	Polar Ice as an Unconventional Water Resource: Opportunities and Challenges. <i>Water (Switzerland)</i> , 2021, 13, 3220.	1.2	9

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145	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
146	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
147	An index-based approach for assessment of upstream-downstream flow regime alteration. <i>Journal of Hydrology</i> , 2021, 600, 126697.	2.3	8
148	The role of atmospheric circulation patterns in agroclimate variability in finland, 1961â€“2011. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2016, 98, 287-301.	0.6	7
149	Regionalization of potential evapotranspiration using a modified region of influence. <i>Theoretical and Applied Climatology</i> , 2020, 140, 115-127.	1.3	7
150	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
151	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
152	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
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