BjÃ¶rn KlÃ¶ve

List of Publications by Year
in descending order

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Version: 2024-02-01

177	6,737	87888	85541
papers	citations	38 h-index	71 g-index

191	191	191	7271
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Thickness of peat influences the leaching of substances and greenhouse gas emissions from a cultivated organic soil. Science of the Total Environment, 2022, 806, 150499.	8.0	12
2	Optimization of Water-Energy-Food Nexus considering CO2 emissions from cropland: A case study in northwest Iran. Applied Energy, 2022, 307, 118236.	10.1	25
3	Experimental-numerical simulation of soluble formations in reservoirs. Advances in Water Resources, 2022, 160, 104109.	3.8	4
4	Nitrogen removal of mine-influenced water in a hybrid bioreactor with floating hook-moss (Warnstorfia fluitans) in cold climate conditions. Ecological Engineering, 2022, 177, 106562.	3.6	3
5	Smart drainage management to limit summer drought damage in Nordic agriculture under the circular economy concept. Hydrological Processes, 2022, 36, .	2.6	1
6	A Method for Assessment of Subâ€Đaily Flow Alterations Using Wavelet Analysis for Regulated Rivers. Water Resources Research, 2022, 58, .	4.2	10
7	Peak Spring Flood Discharge Magnitude and Timing in Natural Rivers across Northern Finland: Long-Term Variability, Trends, and Links to Climate Teleconnections. Water (Switzerland), 2022, 14, 1312.	2.7	5
8	Unmanned Aircraft System (UAS) Structure-From-Motion (SfM) for Monitoring the Changed Flow Paths and Wetness in Minerotrophic Peatland Restoration. Remote Sensing, 2022, 14, 3169.	4.0	7
9	Using Geomembrane Liners to Reduce Seepage through the Base of Tailings Pondsâ€”A Review and a Framework for Design Guidelines. Geosciences (Switzerland), 2021, 11, 93.	2.2	19
10	What conditions favor the influence of seasonally frozen ground on hydrological partitioning? A systematic review. Environmental Research Letters, 2021, 16, 043008.	5.2	21
11	Development of Aerial Photos and LIDAR Data Approaches to Map Spatial and Temporal Evolution of Ditch Networks in Peat-Dominated Catchments. Journal of Irrigation and Drainage Engineering - ASCE, 2021, 147, .	1.0	6
12	Modelling CO2 and CH4 emissions from drained peatlands with grass cultivation by the BASGRA-BGC model. Science of the Total Environment, 2021, 765, 144385.	8.0	5
13	Start-up of a â€œzero-dischargeâ€•recirculating aquaculture system using woodchip denitrification, constructed wetland, and sand infiltration. Aquacultural Engineering, 2021, 93, 102161.	3.1	18
14	Complex dynamics of water quality mixing in a warm mono-mictic reservoir. Science of the Total Environment, 2021, 777, 146097.	8.0	55
15	Hydraulic and Physical Properties of Managed and Intact Peatlands: Application of the Van Genuchtenâ€Mualem Models to Peat Soils. Water Resources Research, 2021, 57, e2020WR028624.	4.2	10
16	Combined use of satellite image analysis, land-use statistics, and land-use-specific export coefficients to predict nutrients in drained peatland catchment. Science of the Total Environment, 2021, 779, 146419.	8.0	4
17	Peatland subsidence enhances cultivated lowland flood risk. Soil and Tillage Research, 2021, 212, 105078.	5.6	17
18	Subarctic catchment water storage and carbon cycling â€“ Leading the way for future studies using integrated datasets at Pallas, Finland. Hydrological Processes, 2021, 35, e14350.	2.6	10

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19	An index-based approach for assessment of upstream-downstream flow regime alteration. Journal of Hydrology, 2021, 600, 126697.	5.4	8
20	Reliability of functional forms for calculation of longitudinal dispersion coefficient in rivers. Science of the Total Environment, 2021, 791, 148394.	8.0	14
21	A comprehensive uncertainty analysis of model-estimated longitudinal and lateral dispersion coefficients in open channels. Journal of Hydrology, 2021, 603, 126850.	5.4	25
22	Polar Ice as an Unconventional Water Resource: Opportunities and Challenges. Water (Switzerland), 2021, 13, 3220.	2.7	9
23	A Scenario-Based Approach for Assessing the Hydrological Impacts of Land Use and Climate Change in the Marboreh Watershed, Iran. Environmental Modeling and Assessment, 2020, 25, 41-57.	2.2	53
24	Design, construction and monitoring of pilot systems to evaluate the effect of freeze-thaw cycles on pollutant retention in wetlands. Science of the Total Environment, 2020, 703, 134713.	8.0	6
25	Regionalization of potential evapotranspiration using a modified region of influence. Theoretical and Applied Climatology, 2020, 140, 115-127.	2.8	7
26	The mirage water concept and an index-based approach to quantify causes of hydrological changes in semi-arid regions. Hydrological Sciences Journal, 2020, 65, 311-324.	2.6	19
27	Fog-water harvesting Capability Index (FCI) mapping for a semi-humid catchment based on socio-environmental variables and using artificial intelligence algorithms. Science of the Total Environment, 2020, 708, 135115.	8.0	9
28	Changes in seasonality of groundwater level fluctuations in a temperate-cold climate transition zone. Journal of Hydrology X, 2020, 8, 100062.	1.6	29
29	Landâ€use dominates climate controls on nitrogen and phosphorus export from managed and natural Nordic headwater catchments. Hydrological Processes, 2020, 34, 4831-4850.	2.6	20
30	Implications of Peat Soil Conceptualization for Groundwater Exfiltration in Numerical Modeling: A Study on a Hypothetical Peatland Hillslope. Water Resources Research, 2020, 56, e2019WR026203.	4.2	8
31	Iran's Agriculture in the Anthropocene. Earth's Future, 2020, 8, e2020EF001547.	6.3	82
32	Solids management in freshwater-recirculating aquaculture systems: Effectivity of inorganic and organic coagulants and the impact of operating parameters. Science of the Total Environment, 2020, 742, 140398.	8.0	28
33	Potential impacts of a future Nordic bioeconomy on surface water quality. Ambio, 2020, 49, 1722-1735.	5.5	31
34	Long-term data reveals the importance of hydraulic load and inflow water quality for Sb removal in boreal treatment peatlands. Ecological Engineering, 2020, 148, 105785.	3.6	8
35	Impacts of gold mine effluent on water quality in a pristine sub-Arctic river. Journal of Hydrology, 2020, 589, 125170.	5.4	16
36	Evaluating Impacts of Irrigation and Drought on River, Groundwater and a Terminal Wetland in the Zayanderud Basin, Iran. Water (Switzerland), 2020, 12, 1302.	2.7	13

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37	Conceptual Mini-Catchment Typologies for Testing Dominant Controls of Nutrient Dynamics in Three Nordic Countries. Water (Switzerland), 2020, 12, 1776.	2.7	12
38	Unsustainability Syndromeâ€"From Meteorological to Agricultural Drought in Arid and Semi-Arid Regions. Water (Switzerland), 2020, 12, 838.	2.7	46
39	RiMARS: An automated river morphodynamics analysis method based on remote sensing multispectral datasets. Science of the Total Environment, 2020, 719, 137336.	8.0	17
40	Enhanced nitrogen removal of low carbon wastewater in denitrification bioreactors by utilizing industrial waste toward circular economy. Journal of Cleaner Production, 2020, 254, 119973.	9.3	30
41	Status of risk-based approach and national framework for safe drinking water in small water supplies of the Nordic water sector. International Journal of Hygiene and Environmental Health, 2020, 230, 113627.	4.3	13
42	Vulnerability of the Caspian Sea shoreline to changes in hydrology and climate. Environmental Research Letters, 2020, 15, 115002.	5.2	24
43	Caspian Sea is eutrophying: the alarming message of satellite data. Environmental Research Letters, 2020, 15, 124047.	5.2	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. Water (Switzerland), 2019, 11, 1624.	2.7	23
46	Monitoring Groundwater Storage Depletion Using Gravity Recovery and Climate Experiment (GRACE) Data in Bakhtegan Catchment, Iran. Water (Switzerland), 2019, 11, 1456.	2.7	37
47	Determination of compound channel apparent shear stress: application of novel data mining models. Journal of Hydroinformatics, 2019, 21, 798-811.	2.4	65
48	A power market-based operation support model for sub-daily hydropower regulation practices. Applied Energy, 2019, 255, 113905.	10.1	13
49	Design parameters for nitrogen removal by constructed wetlands treating mine waters and municipal wastewater under Nordic conditions. Science of the Total Environment, 2019, 662, 559-570.	8.0	23
50	Snow to Precipitation Ratio Controls Catchment Storage and Summer Flows in Boreal Headwater Catchments. Water Resources Research, 2019, 55, 4096-4109.	4.2	30
51	Parameterisation of an integrated groundwater-surface water model for hydrological analysis of boreal aapa mire wetlands. Journal of Hydrology, 2019, 575, 175-191.	5.4	12
52	Combining unmanned aerial vehicle-based remote sensing and stable water isotope analysis to monitor treatment peatlands of mining areas. Ecological Engineering, 2019, 133, 137-147.	3.6	11
53	A tracer-based method for classifying groundwater dependence in boreal headwater streams. Journal of Hydrology, 2019, 577, 123762.	5.4	10
54	Thermal conductivity of unfrozen and partially frozen managed peat soils. Soil and Tillage Research, 2019, 191, 245-255.	5.6	20

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55	Impact of managed aquifer recharge structure on river flow regimes in arid and semi-arid climates. Science of the Total Environment, 2019, 675, 429-438.	8.0	18
56	Recent and future trends in sea surface temperature across the Persian Gulf and Gulf of Oman. PLoS ONE, 2019, 14, e0212790.	2.5	55
57	Understanding variability in root zone storage capacity in boreal regions. Hydrology and Earth System Sciences, 2019, 23, 125-138.	4.9	4
58	Irrigation Requirement for Eucalyptus pellita during Initial Growth. Water (Switzerland), 2019, 11, 1972.	2.7	3
59	Arsenic, antimony, and nickel leaching from northern peatlands treating mining influenced water in cold climate. Science of the Total Environment, 2019, 657, 1161-1172.	8.0	37
60	Urban flood risk mapping using the GARP and QUEST models: A comparative study of machine learning techniques. Journal of Hydrology, 2019, 569, 142-154.	5.4	272
61	Model-based evaluation of sediment control in a drained peatland forest after ditch network maintenance. Canadian Journal of Forest Research, 2018, 48, 130-140.	1.7	12
62	Long-term purification efficiency and factors affecting performance in peatland-based treatment wetlands: An analysis of 28 peat extraction sites in Finland. Ecological Engineering, 2018, 117, 153-164.	3.6	28
63	Snow profile temperature measurements in spatiotemporal analysis of snowmelt in a subarctic forest-mire hillslope. Cold Regions Science and Technology, 2018, 151, 119-132.	3.5	4
64	Regionalization of precipitation characteristics in Iranâ€™s Lake Urmia basin. Theoretical and Applied Climatology, 2018, 132, 363-373.	2.8	47
65	River suspended sediment modelling using the CART model: A comparative study of machine learning techniques. Science of the Total Environment, 2018, 615, 272-281.	8.0	207
66	Changes in short term river flow regulation and hydropeaking in Nordic rivers. Scientific Reports, 2018, 8, 17232.	3.3	56
67	Restoration increases transient storages in boreal headwater streams. River Research and Applications, 2018, 34, 1278-1285.	1.7	4
68	Increasing and Decreasing Nitrogen and Phosphorus Trends in Runoff from Drained Peatland Forestsâ€”Is There a Legacy Effect of Drainage or Not?. Water, Air, and Soil Pollution, 2018, 229, 1.	2.4	30
69	An Index-Based Approach to Assess the Water Availability for Irrigated Agriculture in Sub-Saharan Africa. Water (Switzerland), 2018, 10, 896.	2.7	13
70	Spatiotemporal Variability and Trends in Extreme Temperature Events in Finland over the Recent Decades: Influence of Northern Hemisphere Teleconnection Patterns. Advances in Meteorology, 2018, 2018, 1-17.	1.6	6
71	Analysis of Effective Environmental Flow Release Strategies for Lake Urmia Restoration. Water Resources Management, 2018, 32, 3595-3609.	3.9	38
72	Effects of recent temperature variability and warming on the Oulu-Hailuoto ice road season in the northern Baltic Sea. Cold Regions Science and Technology, 2018, 151, 1-8.	3.5	14

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73	Greenhouse Gas Dynamics of a Northern Boreal Peatland Used for Treating Metal Mine Wastewater. Wetlands, 2018, 38, 905-917.	1.5	4
74	Microbial diversity along a gradient in peatlands treating mining-affected waters. FEMS Microbiology Ecology, 2018, 94, .	2.7	17
75	Elevated nutrient concentrations in headwaters affected by drained peatland. Science of the Total Environment, 2018, 643, 1304-1313.	8.0	27
76	Effects of Drainage and Subsequent Restoration on Peatland Hydrological Processes at Catchment Scale. Water Resources Research, 2018, 54, 4479-4497.	4.2	13
77	Ditch network maintenance in peat-dominated boreal forests: Review and analysis of water quality management options. Ambio, 2018, 47, 535-545.	5.5	22
78	Use of remote sensing to analyse peatland changes after drainage for peat extraction. Land Degradation and Development, 2018, 29, 3479-3488.	3.9	29
79	A simple model structure enhances parameter identification and improves runoff prediction in ungauged high-latitude catchments. Journal of Hydrology, 2018, 563, 395-410.	5.4	3
80	Future options for cultivated Nordic peat soils: Can land management and rewetting control greenhouse gas emissions?. Environmental Science and Policy, 2017, 69, 85-93.	4.9	49
81	Restoration of nutrient-rich forestry-drained peatlands poses a risk for high exports of dissolved organic carbon, nitrogen, and phosphorus. Science of the Total Environment, 2017, 586, 858-869.	8.0	44
82	Differential responses by stream and riparian biodiversity to inâ€stream restoration of forestryâ€impacted streams. Journal of Applied Ecology, 2017, 54, 1505-1514.	4.0	24
83	Quantifying spatial groundwater dependence in peatlands through a distributed isotope mass balance approach. Water Resources Research, 2017, 53, 2524-2541.	4.2	24
84	Analysing the variability and trends of precipitation extremes in Finland and their connection to atmospheric circulation patterns. International Journal of Climatology, 2017, 37, 1053-1066.	3.5	27
85	Atmospheric circulation patterns explaining climatological drought dynamics in the boreal environment of Finland, 1962â€“2011. International Journal of Climatology, 2017, 37, 801-817.	3.5	15
86	PanorÃ¢ma das fontes de Ã¡guas subterrÃ¢neas e sistemas de abastecimento de Ã¡gua, e poluiÃ§Ã£o microbiana associada, na FinlÃ¢ndia, Noruega e IslÃ¢ndia. Hydrogeology Journal, 2017, 25, 1033-1044.	2.1	39
87	A current precipitation index-based model for continuous daily runoff simulation in seasonally snow covered sub-arctic catchments. Journal of Hydrology, 2017, 545, 182-196.	5.4	6
88	Analysis of land use and climate change impacts by comparing river flow records for headwaters and lowland reaches. Global and Planetary Change, 2017, 158, 47-56.	3.5	55
89	Long-term variability and trends in annual snowfall/total precipitation ratio in Finland and the role of atmospheric circulation patterns. Cold Regions Science and Technology, 2017, 143, 23-31.	3.5	29
90	Predicting organic matter, nitrogen, and phosphorus concentrations in runoff from peat extraction sites using partial least squares regression. Water Resources Research, 2017, 53, 5860-5876.	4.2	19

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91	Changes in Pore Water Quality After Peatland Restoration: Assessment of a Largeâ€Scale, Replicated Beforeâ€Afterâ€Controlâ€Impact Study in Finland. Water Resources Research, 2017, 53, 8327-8343.	4.2	30
92	Evaluation of erosion and surface roughness in peatland forest ditches using pin meter measurements and terrestrial laser scanning. Earth Surface Processes and Landforms, 2016, 41, 1299-1311.	2.5	12
93	Snow and frost: implications for spatiotemporal infiltration patterns â€“ a review. Hydrological Processes, 2016, 30, 1230-1250.	2.6	60
94	Waterâ€tableâ€dependent hydrological changes following peatland forestry drainage and restoration: Analysis of restoration success. Water Resources Research, 2016, 52, 3742-3760.	4.2	53
95	Wintertime climate factors controlling snow resource decline in Finland. International Journal of Climatology, 2016, 36, 110-131.	3.5	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. Journal of Hydrology, 2016, 542, 410-422.	5.4	44
97	Long-term accumulation and retention of Al, Fe and P in peat soils of northern treatment wetlands. Ecological Engineering, 2016, 93, 91-103.	3.6	14
98	Defining the natural flow regimes of boreal rivers: relationship with benthic macroinvertebrate communities. Freshwater Science, 2016, 35, 559-572.	1.8	20
99	Physical properties of peat soils under different land use options. Soil Use and Management, 2016, 32, 400-410.	4.9	24
100	The role of atmospheric circulation patterns in agroclimate variability in finland, 1961â€“2011. Geografiska Annaler, Series A: Physical Geography, 2016, 98, 287-301.	1.5	7
101	Can lake sensitivity to desiccation be predicted from lake geometry?. Journal of Hydrology, 2016, 539, 599-610.	5.4	18
102	Assessment of uncertainty in constructed wetland treatment performance and load estimation methods. Environmental Monitoring and Assessment, 2016, 188, 365.	2.7	3
103	Century-long variability and trends in daily precipitation characteristics at three Finnish stations. Advances in Climate Change Research, 2016, 7, 54-69.	5.1	33
104	Erosion mechanisms and sediment sources in a peatland forest after ditch cleaning. Earth Surface Processes and Landforms, 2016, 41, 1841-1853.	2.5	13
105	The role of aluminium and iron in phosphorus removal by treatment peatlands. Ecological Engineering, 2016, 86, 190-201.	3.6	14
106	Evaluating the suitability of synthetic organic polymers to replace iron salts in the purification of humic and sediment-rich runoff. Desalination and Water Treatment, 2016, 57, 10948-10957.	1.0	6
107	Optimization of Gravity-Driven Hydraulic Flocculators to Treat Peat Extraction Runoff Water. Journal of Irrigation and Drainage Engineering - ASCE, 2016, 142, 04015045.	1.0	3
108	Spatial and temporal variation in particle size and particulate organic matter content in suspended particulate matter from peatlandâ€dominated catchments in Finland. Hydrological Processes, 2015, 29, 1069-1079.	2.6	19

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109	Interannual variations and trends in surface air temperature in Finland in relation to atmospheric circulation patterns, 1961â€“2011. International Journal of Climatology, 2015, 35, 3078-3092.	3.5	34
110	Atmospheric circulation patterns influencing variations in organic carbon fluxes in the River Oulujoki, Finland. Water and Environment Journal, 2015, 29, 474-481.	2.2	1
111	Climateâ€induced warming imposes a threat to north European spring ecosystems. Global Change Biology, 2015, 21, 4561-4569.	9.5	52
112	Do atmospheric teleconnection patterns explain variations and trends in thermal growing season parameters in Finland?. International Journal of Climatology, 2015, 35, 4619-4630.	3.5	34
113	Estimation of temporal and spatial variations in groundwater recharge in unconfined sand aquifers using Scots pine inventories. Hydrology and Earth System Sciences, 2015, 19, 1961-1976.	4.9	20
114	Quantifying groundwater dependence of a sub-polar lake cluster in Finland using an isotope mass balance approach. Hydrology and Earth System Sciences, 2015, 19, 1247-1262.	4.9	36
115	Ditch erosion processes and sediment transport in a drained peatland forest. Ecological Engineering, 2015, 75, 421-433.	3.6	23
116	Fully integrated surfaceâ€“subsurface flow modelling of groundwaterâ€“lake interaction in an esker aquifer: Model verification with stable isotopes and airborne thermal imaging. Journal of Hydrology, 2015, 522, 391-406.	5.4	72
117	Testing peatland water-table depth transfer functions using high-resolution hydrological monitoring data. Quaternary Science Reviews, 2015, 120, 107-117.	3.0	47
118	Effects of climate variability and change on snowpack hydrological processes in Finland. Cold Regions Science and Technology, 2015, 118, 14-29.	3.5	20
119	Runoff Curve Numbers for Peat-Dominated Watersheds. Journal of Hydrologic Engineering - ASCE, 2015, 20, .	1.9	15
120	Variability in dryness and wetness in central Finland and the role of teleconnection patterns. Theoretical and Applied Climatology, 2015, 122, 471-486.	2.8	35
121	A sensitivity analysis of lake water level response to changes in climate and river regimes. Limnologica, 2015, 51, 118-130.	1.5	42
122	A continental-scale hydrology and water quality model for Europe: Calibration and uncertainty of a high-resolution large-scale SWAT model. Journal of Hydrology, 2015, 524, 733-752.	5.4	1,136
123	Purification efficiency of a peatland-based treatment wetland during snowmelt and runoff events. Ecological Engineering, 2015, 84, 169-179.	3.6	5
124	Wintertime purification efficiency of constructed wetlands treating runoff from peat extraction in a cold climate. Ecological Engineering, 2015, 85, 13-25.	3.6	20
125	Environmental conditions of boreal springs explained by capture zone characteristics. Journal of Hydrology, 2015, 531, 992-1002.	5.4	18
126	Efficient removal of arsenic, antimony and nickel from mine wastewaters in Northern treatment peatlands and potential risks in their long-term use. Ecological Engineering, 2015, 75, 350-364.	3.6	59

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127	Hydrology and hydraulics of treatment wetlands constructed on drained peatlands. Ecological Engineering, 2015, 75, 232-241.	3.6	15
128	Does groundwater protection in Europe require new EU-wide environmental quality standards?. Frontiers in Chemistry, 2014, 2, 32.	3.6	17
129	Protection of groundwater dependent ecosystems: current policies and future management options. Water Policy, 2014, 16, 1070-1086.	1.5	10
130	Long-term variations and trends in precipitation in Finland. International Journal of Climatology, 2014, 34, 3139-3153.	3.5	58
131	Can treatment wetlands be constructed on drained peatlands for efficient purification of peat extraction runoff?. Geoderma, 2014, 228-229, 33-43.	5.1	16
132	pH-levels in intensively drained and peatland-dominated river basin: Paleolimnological approach to detect impacts of past land use. Ecological Engineering, 2014, 64, 367-376.	3.6	3
133	Development of a new index to assess river regime impacts after dam construction. Global and Planetary Change, 2014, 122, 186-196.	3.5	52
134	Impact of peatland drainage and restoration on esker groundwater resources: modeling future scenarios for management. Hydrogeology Journal, 2014, 22, 1131-1145.	2.1	26
135	Climate change impacts on groundwater and dependent ecosystems. Journal of Hydrology, 2014, 518, 250-266.	5.4	428
136	Storage, properties and seasonal variations in fineâ€grained bed sediment within the main channel and headwaters of the River Sanginjoki, Finland. Hydrological Processes, 2014, 28, 4756-4765.	2.6	17
137	Effect of soil properties on peat erosion and suspended sediment delivery in drained peatlands. Water Resources Research, 2014, 50, 3523-3535.	4.2	19
138	Interaction of esker groundwater with headwater lakes and streams. Journal of Hydrology, 2013, 500, 144-156.	5.4	37
139	Transport of particle-associated elements in two agriculture-dominated boreal river systems. Science of the Total Environment, 2013, 461-462, 693-705.	8.0	12
140	Impact of peatland forestry on runoff water quality in areas with sulphide-bearing sediments; how to prevent acid surges. Forest Ecology and Management, 2013, 293, 17-28.	3.2	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. Journal of Hydrology, 2013, 503, 169-177.	5.4	29
142	Optimisation of chemical purification conditions for direct application of solid metal salt coagulants: Treatment of peatland-derived diffuse runoff. Journal of Environmental Sciences, 2013, 25, 659-669.	6.1	9
143	Adsorption kinetics of nitrate ions on ion exchange resin. Desalination, 2013, 326, 125-134.	8.2	45
144	Groundwater Pollution and Quality Monitoring Approaches at the European Level. Critical Reviews in Environmental Science and Technology, 2013, 43, 323-408.	12.8	58

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145	A decision analysis framework for stakeholder involvement and learning in groundwater management. Hydrology and Earth System Sciences, 2013, 17, 5141-5153.	4.9	22
146	Use of Turbidity Measurements to Estimate Suspended Solids and Nutrient Loads from Peatland Forestry Drainage. Journal of Irrigation and Drainage Engineering - ASCE, 2012, 138, 1088-1096.	1.0	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. Cold Regions Science and Technology, 2012, 71, 118-128.	3.5	17
148	Spatial and temporal variability of diatom and macroinvertebrate communities: How representative are ecological classifications within a river system?. Ecological Indicators, 2012, 18, 208-217.	6.3	29
149	Modeling of nitrate removal for ion exchange resin in batch and fixed bed experiments. Desalination, 2012, 284, 22-31.	8.2	71
150	Groundwaterâ€“surface water interaction between an esker aquifer and a drained fen. Journal of Hydrology, 2012, 432-433, 52-60.	5.4	45
151	A sequential modelling approach to assess groundwaterâ€“surface water resources in a snow dominated region of Finland. Journal of Hydrology, 2011, 411, 91-107.	5.4	60
152	Groundwater dependent ecosystems. Part I: Hydroecological status and trends. Environmental Science and Policy, 2011, 14, 770-781.	4.9	223
153	Groundwater dependent ecosystems. Part II. Ecosystem services and management in Europe under risk of climate change and land use intensification. Environmental Science and Policy, 2011, 14, 782-793.	4.9	87
154	Effect and design of an underminer structure. Journal of Hydraulic Research/De Recherches Hydrauliques, 2010, 48, 188-196.	1.7	4
155	A conceptual and statistical approach for the analysis of climate impact on ground water table fluctuation patterns in cold conditions. Journal of Hydrology, 2010, 388, 1-12.	5.4	63
156	Dynamics of erosion and suspended sediment transport from drained peatland forestry. Journal of Hydrology, 2010, 388, 414-425.	5.4	89
157	Long-term trends and variation of acidity, CODMn and colour in coastal rivers of Western Finland in relation to climate and hydrology. Science of the Total Environment, 2010, 408, 5019-5027.	8.0	39
158	Managing runoff, water quality and erosion in peatland forestry by peak runoff control. Ecological Engineering, 2010, 36, 900-911.	3.6	30
159	Calibration of turbidity meter and acoustic doppler velocimetry (Tritonâ€ADV) for sediment types present in drained peatland headwaters: Focus on particulate organic peat. River Research and Applications, 2010, 26, 1019-1035.	1.7	11
160	Framework for designing and applying peak runoff control structures for peatland forestry conditions. Forest Ecology and Management, 2010, 260, 1262-1273.	3.2	12
161	Leaching of nutrients and emission of greenhouse gases from peatland cultivation at Bodin, Northern Norway. Geoderma, 2010, 154, 219-232.	5.1	55
162	Retention of Sediment and Nutrient Loads with Peak Runoff Control. Journal of Irrigation and Drainage Engineering - ASCE, 2009, 135, 210-216.	1.0	17

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163	Long-term phosphorus and nitrogen removal processes and preferential flow paths in Northern constructed peatlands. Ecological Engineering, 2009, 35, 843-855.	3.6	29
164	Generation and regulation of summer runoff in a boreal flat fen. Journal of Hydrology, 2008, 360, 15-30.	5.4	35
165	Erosion and delivery of deposited peat sediment. Water Resources Research, 2008, 44, .	4.2	33
166	Hydraulics and flow modelling of water treatment wetlands constructed on peatlands in Northern Finland. Water Research, 2008, 42, 3826-3836.	11.3	34
167	Use of stabile isotopes and tracers to detect preferential flow patterns in a peatland treating municipal wastewater. Journal of Hydrology, 2007, 347, 418-429.	5.4	46
168	Emission of N2O and CH4 from a constructed wetland in southeastern Norway. Science of the Total Environment, 2007, 380, 28-37.	8.0	96
169	Tracing sources of summer streamflow in boreal headwaters using isotopic signatures and water geochemical components. Journal of Hydrology, 2006, 331, 186-204.	5.4	33
170	Emission of the Greenhouse Gases Nitrous Oxide and Methane from Constructed Wetlands in Europe. Journal of Environmental Quality, 2006, 35, 2360-2373.	2.0	140
171	Degradation of cultivated peat soils in northern norway based on field scale CO2, N2O and CH4emission measurements. Archives of Agronomy and Soil Science, 2006, 52, 149-159.	2.6	34
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