Pertti Ala-aho

List of Publications by Year in descending order

28 papers	1,486 citations	471371 17 h-index	526166 27 g-index
41 all docs	41 docs citations	41 times ranked	1989 citing authors

#	Article	IF	Citations
1	Climate change impacts on groundwater and dependent ecosystems. Journal of Hydrology, 2014, 518, 250-266.	2.3	428
2	Groundwater dependent ecosystems. Part I: Hydroecological status and trends. Environmental Science and Policy, 2011, 14, 770-781.	2.4	223
3	Using stable isotopes to assess surface water source dynamics and hydrological connectivity in a high-latitude wetland and permafrost influenced landscape. Journal of Hydrology, 2018, 556, 279-293.	2.3	116
4	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.	2.3	72
5	Using isotopes to constrain water flux and age estimates in snow-influenced catchments using the STARR (Spatially distributed Tracer-Aided Rainfallâ€“Runoff) model. Hydrology and Earth System Sciences, 2017, 21, 5089-5110.	1.9	69
6	Snow and frost: implications for spatiotemporal infiltration patterns â€“ a review. Hydrological Processes, 2016, 30, 1230-1250.	1.1	60
7	Integrated surface-subsurface model to investigate the role of groundwater in headwater catchment runoff generation: A minimalist approach to parameterisation. Journal of Hydrology, 2017, 547, 664-677.	2.3	60
8	Climateâ€induced warming imposes a threat to north European spring ecosystems. Global Change Biology, 2015, 21, 4561-4569.	4.2	52
9	Modeling the isotopic evolution of snowpack and snowmelt: Testing a spatially distributed parsimonious approach. Water Resources Research, 2017, 53, 5813-5830.	1.7	49
10	Groundwaterâ€“surface water interaction between an esker aquifer and a drained fen. Journal of Hydrology, 2012, 432-433, 52-60.	2.3	45
11	Interaction of esker groundwater with headwater lakes and streams. Journal of Hydrology, 2013, 500, 144-156.	2.3	37
12	Using stable isotopes to estimate travel times in a dataâ€sparse Arctic catchment: Challenges and possible solutions. Hydrological Processes, 2018, 32, 1936-1952.	1.1	34
13	Permafrost and lakes control river isotope composition across a boreal Arctic transect in the Western Siberian lowlands. Environmental Research Letters, 2018, 13, 034028.	2.2	32
14	Snow to Precipitation Ratio Controls Catchment Storage and Summer Flows in Boreal Headwater Catchments. Water Resources Research, 2019, 55, 4096-4109.	1.7	30
15	Impact of peatland drainage and restoration on esker groundwater resources: modeling future scenarios for management. Hydrogeology Journal, 2014, 22, 1131-1145.	0.9	26
16	A decision analysis framework for stakeholder involvement and learning in groundwater management. Hydrology and Earth System Sciences, 2013, 17, 5141-5153.	1.9	22
17	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.	1.9	20
18	Environmental conditions of boreal springs explained by capture zone characteristics. Journal of Hydrology, 2015, 531, 992-1002.	2.3	18

#	Article	IF	Citations
19	The value of scientific information on climate change: a choice experiment on Rokua esker, Finland. Journal of Environmental Economics and Policy, 2012, 1, 85-102.	1.5	14
20	Multiâ€year simulation and model calibration of soil moisture and temperature profiles in till soil. European Journal of Soil Science, 2017, 68, 829-839.	1.8	14
21	Testing a spatially distributed tracerâ€aided runoff model in a snowâ€influenced catchment: Effects of multicriteria calibration on streamwater ages. Hydrological Processes, 2018, 32, 3089-3107.	1.1	12
22	Arctic Snow Isotope Hydrology: A Comparative Snow-Water Vapor Study. Atmosphere, 2021, 12, 150.	1.0	10
23	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.	1.1	10
24	Implications of Peat Soil Conceptualization for Groundwater Exfiltration in Numerical Modeling: A Study on a Hypothetical Peatland Hillslope. Water Resources Research, 2020, 56, e2019WR026203.	1.7	8
25	Very High Spatial Resolution Soil Moisture Observation of Heterogeneous Subarctic Catchment Using Nonlocal Averaging and Multitemporal SAR Data. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17.	2.7	8
26	Snow profile temperature measurements in spatiotemporal analysis of snowmelt in a subarctic forest-mire hillslope. Cold Regions Science and Technology, 2018, 151, 119-132.	1.6	4
27	A GIS-based method for predicting groundwater discharge areas in esker aquifers in the Boreal region. Environmental Earth Sciences, 2015, 74, 4109-4118.	1.3	3
28	The contribution of non-use values to inform the management of groundwater systems: the Rokua esker, Northern Finland. , 2014, , .		2