Evaporation fractionation in a peatland drainage netwo composition

Water Resources Research

53, 851-866

DOI: 10.1002/2016wr019258

Citation Report

#	Article	IF	Citations
1	Quantifying spatial groundwater dependence in peatlands through a distributed isotope mass balance approach. Water Resources Research, 2017, 53, 2524-2541.	1.7	24
2	Using SAS functions and highâ€resolution isotope data to unravel travel time distributions in headwater catchments. Water Resources Research, 2017, 53, 1864-1878.	1.7	102
3	Spatial and temporal patterns of soil water storage and vegetation water use in humid northern catchments. Science of the Total Environment, 2017, 595, 486-493.	3.9	72
4	Assessing the environmental controls on Scots pine transpiration and the implications for water partitioning in a boreal headwater catchment. Agricultural and Forest Meteorology, 2017, 240-241, 58-66.	1.9	66
5	Scaling effects of riparian peatlands on stable isotopes in runoff and DOC mobilisation. Journal of Hydrology, 2017, 549, 220-235.	2.3	28
6	Stable isotopes evidence of recycled subduction fluids in the hydrothermal/volcanic activity across Nicaragua and Costa Rica. Journal of Volcanology and Geothermal Research, 2017, 345, 172-183.	0.8	6
7	Groundwater isoscapes in a montane headwater catchment show dominance of wellâ€mixed storage. Hydrological Processes, 2017, 31, 3504-3519.	1.1	27
8	Using synoptic tracer surveys to assess runoff sources in an Andean headwater catchment in central Chile. Environmental Monitoring and Assessment, 2017, 189, 440.	1.3	23
9	Using highâ€resolution isotope data and alternative calibration strategies for a tracerâ€aided runoff model in a nested catchment. Hydrological Processes, 2017, 31, 3962-3978.	1.1	17
10	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
11	Soil water stable isotopes reveal evaporation dynamics at the soilâ€“plantâ€“atmosphere interface of the critical zone. Hydrology and Earth System Sciences, 2017, 21, 3839-3858.	1.9	119
12	What can we learn from multi-data calibration of a process-based ecohydrological model?. Environmental Modelling and Software, 2018, 101, 301-316.	1.9	48
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	Estimating Wetland Connectivity to Streams in the Prairie Pothole Region: An Isotopic and Remote Sensing Approach. Water Resources Research, 2018, 54, 955-977.	1.7	46
15	Assessing the seasonality and uncertainty in evapotranspiration partitioning using a tracer-aided model. Journal of Hydrology, 2018, 560, 595-613.	2.3	14
16	Linking physiography and evaporation using the isotopic composition of river water in 16 Canadian boreal catchments. Hydrological Processes, 2018, 32, 170-184.	1.1	10
17	EcH₂O-isoÂ1.0: water isotopes and age tracking in a process-based, distributed ecohydrological model. Geoscientific Model Development, 2018, 11, 3045-3069.	1.3	88
18	Characterizing Hydrological Connectivity of Artificial Ditches in Zoige Peatlands of Qinghai-Tibet Plateau. Water (Switzerland), 2018, 10, 1364.	1.2	11

#	Article	IF	Citations
19	Insight into the stable isotopic composition of glacial lakes in a tropical alpine ecosystem: <scp>C</scp>hirripÃ³, <scp>C</scp>osta <scp>R</scp>ica. Hydrological Processes, 2018, 32, 3588-3603.	1.1	25
20	Measuring and Modeling Stable Isotopes of Mobile and Bulk Soil Water. Vadose Zone Journal, 2018, 17, 1-18.	1.3	84
21	Groundwater dynamics at the hillslopeâ€“riparian interface in a year with extreme winter rainfall. Journal of Hydrology, 2018, 564, 509-528.	2.3	24
22	Storage, mixing, and fluxes of water in the critical zone across northern environments inferred by stable isotopes of soil water. Hydrological Processes, 2018, 32, 1720-1737.	1.1	52
23	Spatial variability in the isotopic composition of water in small catchments and its effect on hydrograph separation. Wiley Interdisciplinary Reviews: Water, 2019, 6, e1367.	2.8	24
24	The Po River Water Isotopes during the Drought Condition of the Year 2017. Water (Switzerland), 2019, 11, 150.	1.2	14
25	Stable isotope characteristics of water resources in the coastal area of the Vietnamese Mekong Delta. Isotopes in Environmental and Health Studies, 2019, 55, 566-587.	0.5	15
26	Assessing runoff generation in riparian wetlands: monitoring groundwaterâ€“surface water dynamics at the micro-catchment scale. Environmental Monitoring and Assessment, 2019, 191, 116.	1.3	12
27	Spatial distribution and controlling factors of surface water stable isotope values (Î´18O and Î´2H) across Kazakhstan, Central Asia. Science of the Total Environment, 2019, 678, 53-61.	3.9	36
28	The Demographics of Water: A Review of Water Ages in the Critical Zone. Reviews of Geophysics, 2019, 57, 800-834.	9.0	197
29	Plant water use strategies in the Shapotou artificial sand-fixed vegetation of the southeastern margin of the Tengger Desert, northwestern China. Journal of Mountain Science, 2019, 16, 898-908.	0.8	7
30	To what extent does hydrological connectivity control dynamics of faecal indicator organisms in streams? Initial hypothesis testing using a tracer-aided model. Journal of Hydrology, 2019, 570, 423-435.	2.3	12
31	Quantifying new water fractions and transit time distributions using ensemble hydrograph separation: theory and benchmark tests. Hydrology and Earth System Sciences, 2019, 23, 303-349.	1.9	66
32	Vegetation and location of water inflow affect evaporation in a subtropical wetland as indicated by the deuterium excess method. Ecohydrology, 2019, 12, e2082.	1.1	2
33	Quantifying dual recharge mechanisms in deep unsaturated zone of Chinese Loess Plateau using stable isotopes. Geoderma, 2019, 337, 773-781.	2.3	68
34	Coupled impact of decadal precipitation and evapotranspiration on peatland degradation in the Zoige basin, China. Physical Geography, 2020, 41, 145-168.	0.6	9
35	Riparian wetland rehabilitation and beaver re-colonization impacts on hydrological processes and water quality in a lowland agricultural catchment. Science of the Total Environment, 2020, 699, 134302.	3.9	54
36	Using isotopes to understand the evolution of water ages in disturbed mixed landâ€use catchments. Hydrological Processes, 2020, 34, 972-990.	1.1	17

#	Article	IF	Citations
37	Unravelling the hydrological effects on spatiotemporal variability of water chemistry in mountainous rivers from Southwest China. Hydrological Processes, 2020, 34, 5595-5605.	1.1	8
38	Climate Sensitivity of Peatland Methane Emissions Mediated by Seasonal Hydrologic Dynamics. Geophysical Research Letters, 2020, 47, e2020GL088875.	1.5	21
39	Characterizing spatial and temporal variation in <scp>¹⁸O</scp> and <scp>²H</scp> content of New Zealand river water for better understanding of hydrologic processes. Hydrological Processes, 2020, 34, 5474-5488.	1.1	14
40	The Soil Water Evaporation Process from Mountains Based on the Stable Isotope Composition in a Headwater Basin and Northwest China. Water (Switzerland), 2020, 12, 2711.	1.2	11
41	Urban water systems under climate stress: An isotopic perspective from Berlin, Germany. Hydrological Processes, 2020, 34, 3758-3776.	1.1	30
42	Recharge mechanisms of deep soil water revealed by water isotopes in deep loess deposits. Geoderma, 2020, 369, 114321.	2.3	32
43	Recharge mechanism of deep soil water and the response to land use change in the loess deposits. Journal of Hydrology, 2021, 592, 125817.	2.3	21
44	Spatiotemporal dynamics of water sources in a mountain river basin inferred through <scp>Î´²H</scp> and <scp>Î´¹⁸O</scp> of water. Hydrological Processes, 2021, 35, e14063.	1.1	10
45	Fault-controlled upwelling of low-T hydrothermal fluids tracked by travertines in a fold-and-thrust belt, Monte Alpi, southern apennines, Italy. Journal of Structural Geology, 2021, 144, 104276.	1.0	20
47	Quantifying the effects of land use and model scale on water partitioning and water ages using tracer-aided ecohydrological models. Hydrology and Earth System Sciences, 2021, 25, 2239-2259.	1.9	43
48	Stable isotopes of water and specific conductance reveal complimentary information on streamflow generation in snowmelt-dominated, seasonally arid watersheds. Journal of Hydrology, 2021, 596, 126075.	2.3	11
49	Assessing the hydrogeological resilience of a groundwater-dependent Mediterranean peatland: Impact of global change and role of water management strategies. Science of the Total Environment, 2021, 768, 144721.	3.9	8
50	Connectivity of temperate shallow lakes to groundwater in the Pampean Plain, Argentina: A remote sensing and multi-tracer approach. Groundwater for Sustainable Development, 2021, 13, 100556.	2.3	4
51	A preliminary isotopeâ€based evapotranspiration partitioning approach for tropical Costa Rica. Ecohydrology, 2021, 14, e2297.	1.1	7
52	Using isotopes to understand landscapeâ€scale connectivity in a groundwaterâ€dominated, lowland catchment under drought conditions. Hydrological Processes, 2021, 35, e14197.	1.1	20
53	Geographic variability in freshwater methane hydrogen isotope ratios and its implications for global isotopic source signatures. Biogeosciences, 2021, 18, 3505-3527.	1.3	6
54	Effects of streamflow isotope sampling strategies on the calibration of a tracerâ€aided rainfallâ€runoff model. Hydrological Processes, 2021, 35, e14223.	1.1	13
55	The stable isotopes of natural waters at the Marcell Experimental Forest. Hydrological Processes, 2021, 35, e14336.	1.1	2

#	Article	IF	Citations
56	Stable isotopes of deep soil water retain long-term evaporation loss on China's Loess Plateau. Science of the Total Environment, 2021, 784, 147153.	3.9	19
57	Water storage, mixing, and fluxes in tile-drained agricultural fields inferred from stable water isotopes. Journal of Hydrology, 2021, 599, 126347.	2.3	12
58	Recharge and Infiltration Mechanisms of Soil Water in the Floodplain Revealed by Water-Stable Isotopes in the Upper Yellow River. Sustainability, 2021, 13, 9369.	1.6	2
59	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
60	Structural changes to forests during regeneration affect water flux partitioning, water ages and hydrological connectivity: Insights from tracer-aided ecohydrological modelling. Hydrology and Earth System Sciences, 2021, 25, 4861-4886.	1.9	12
61	Isotopic kinetic fractionation of evaporation from small water bodies. Journal of Hydrology, 2021, 603, 126974.	2.3	3
62	Spatio-temporal variations in stable isotopes in peri-urban catchments: A preliminary assessment of potential and challenges in assessing streamflow sources. Journal of Hydrology, 2021, 600, 126685.	2.3	10
63	Isotope hydrology and water sources in a heavily urbanized stream. Hydrological Processes, 2021, 35, e14377.	1.1	12
64	Isotopes (Î´18O, Î´D and 3H) variations in groundwater with emphasis on salinization in the state of Punjab, India. Science of the Total Environment, 2021, 789, 148051.	3.9	49
65	Improving the underground structural characterization and hydrological functioning of an Andean peatland using geoelectrics and water stable isotopes in semi-arid Chile. Environmental Earth Sciences, 2021, 80, 1.	1.3	8
66	The spatial patterns and impact factors of stable oxygen and hydrogen isoscapes in pond water: A case study on the water-source forests of the Hani terraced fields in Yunnan, China. Journal of Hydrology, 2021, 603, 127097.	2.3	5
67	Characteristics of Dissolved Organic Carbon in Boreal Lakes: High Spatial and Interâ€Annual Variability Controlled by Landscape Attributes and Wetâ€Dry Periods. Water Resources Research, 2021, 57, .	1.7	8
68	Landscape controls of surface-water/groundwater interactions on shallow outwash lakes: how the long-term groundwater signal overrides interannual variability due to evaporative effects. Hydrogeology Journal, 2022, 30, 251-264.	0.9	2
69	Isotopic and geochemical tracers of groundwater flow in the Shivwits Plateau, Grand Canyon National Park, USA. Hydrogeology Journal, 2022, 30, 495-510.	0.9	1
70	Critical Zone Response Times and Water Age Relationships Under Variable Catchment Wetness States: Insights Using a Tracerâ€Aided Ecohydrological Model. Water Resources Research, 2022, 58, .	1.7	5
71	Stable isotopes of surface water and groundwater in a typical subtropical basin in southâ€central China: Insights into the young water fraction and its seasonal origin. Hydrological Processes, 2022, 36, .	1.1	8
72	Threshold recognition for shallow groundwater recharge by precipitation using dual isotopes in a small subtropical hilly catchment. Catena, 2022, 213, 106186.	2.2	3
73	Assessing land use influences on isotopic variability and stream water ages in urbanising rural catchments. Isotopes in Environmental and Health Studies, 2022, 58, 277-300.	0.5	4

#	Article	IF	Citations
74	Characterizing the spatiotemporal dynamics of shallow soil water stable isotopic compositions on a karst hillslope in Southwestern China. Journal of Hydrology, 2022, 610, 127964.	2.3	5
75	On the urgent need for standardization in isotopeâ€based ecohydrological investigations. Hydrological Processes, 2022, 36, .	1.1	17
76	Landscape influence on permafrost ground ice geochemistry in a polar desert environment, Resolute Bay, Nunavut. Arctic Science, 0, , .	0.9	1
77	Towards hydrological connectivity in the karst hillslope critical zone: Insight from using water isotope signals. Journal of Hydrology, 2023, 617, 128926.	2.3	5
78	Seasonal variation of transit time distribution and associated hydrological processes in a Moso bamboo watershed under the East Asian monsoon climate. Journal of Hydrology, 2023, 617, 128912.	2.3	5
79	Water-Use Strategies and Habitat Adaptation of Four Tree Species in Karstic Climax Forest in Maolan. Water (Switzerland), 2023, 15, 203.	1.2	2
80	Spatiotemporal variability of stable isotopes in precipitation and stream water in a high elevation tropical catchment in the Central Andes of Colombia. Hydrological Processes, 0, , .	1.1	1
81	Land-use-based freshwater sediment source fingerprinting using hydrogen isotope compositions of long-chain fatty acids. Science of the Total Environment, 2023, 875, 162638.	3.9	3
82	Water use patterns of dominant species of riparian wetlands in arid areas. Hydrological Processes, 2023, 37, .	1.1	1