Ype van der Velde

List of Publications by Year
in descending order

46 papers	1,893 citations	257450 24 h-index	265206 42 g-index
64 all docs	64 docs citations	64 times ranked	2266 citing authors

#	Article	IF	Citations
1	Dating basal peat: The geochronology of peat initiation revisited. Quaternary Geochronology, 2022, 72, 101278.	1.4	7
2	Time lags of nitrate, chloride, and tritium in streams assessed by dynamic groundwater flow tracking in a lowland landscape. Hydrology and Earth System Sciences, 2021, 25, 3691-3711.	4.9	9
3	Drought effects on leaf fall, leaf flushing and stem growth in the Amazon forest: reconciling remote sensing data and field observations. Biogeosciences, 2021, 18, 4445-4472.	3.3	14
4	Emerging forestâ€"peatland bistability and resilience of European peatland carbon stores. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	18
5	Using legacy data to reconstruct the past? Rescue, rigour and reuse in peatland geochronology. Earth Surface Processes and Landforms, 2021, 46, 2607.	2.5	4
6	Drivers of nitrogen and phosphorus dynamics in a groundwater-fed urban catchment revealed by high-frequency monitoring. Hydrology and Earth System Sciences, 2021, 25, 69-87.	4.9	5
7	Constraining water age dynamics in a southâ€eastern Australian catchment using an ageâ€ranked storage and stable isotope approach. Hydrological Processes, 2020, 34, 4384-4403.	2.6	8
8	Increasing nonâ€linearity of the storageâ€discharge relationship in <scp>subâ€Arctic</scp> catchments. Hydrological Processes, 2020, 34, 3894-3909.	2.6	16
9	Cosmogenic Isotopes Unravel the Hydrochronology and Water Storage Dynamics of the Southern Sierra Critical Zone. Water Resources Research, 2019, 55, 1429-1450.	4.2	51
10	Urban hydrogeology: Transport routes and mixing of water and solutes in a groundwater influenced urban lowland catchment. Science of the Total Environment, 2019, 678, 288-300.	8.0	11
11	Soil frost effects on streamflow recessions in a subarctic catchment. Hydrological Processes, 2019, 33, 1304-1316.	2.6	17
12	The Hupsel Brook Catchment: Insights from Five Decades of Lowland Observations. Vadose Zone Journal, 2018, 17, 180056.	2.2	5
13	Lessons learned from monitoring the stable water isotopic variability in precipitation and streamflow across a snow-dominated subarctic catchment. Arctic, Antarctic, and Alpine Research, 2018, 50, .	1.1	9
14	When do Indians feel hot? Internet searches indicate seasonality suppresses adaptation to heat. Environmental Research Letters, 2018, 13, 054009.	5.2	4
15	Dominant effect of increasing forest biomass on evapotranspiration: interpretations of movement in Budyko space. Hydrology and Earth System Sciences, 2018, 22, 567-580.	4.9	65
16	Transient Groundwater Travel Time Distributions and Ageâ€Ranked Storageâ€Discharge Relationships of Three Lowland Catchments. Water Resources Research, 2018, 54, 4519-4536.	4.2	29
17	The changing contribution of topâ€down and bottomâ€up limitation of mesopredators during 220Âyears of land use and climate change. Journal of Animal Ecology, 2017, 86, 566-576.	2.8	21
18	Pesticide fate on catchment scale: conceptual modelling of stream CSIA data. Hydrology and Earth System Sciences, 2017, 21, 5243-5261.	4.9	22

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19	High-frequency monitoring of water fluxes and nutrient loads to assess the effects of controlled drainage on water storage and nutrient transport. Hydrology and Earth System Sciences, 2016, 20, 347-358.	4.9	31
20	Streamflow recession patterns can help unravel the role of climate and humans inÂlandscape co-evolution. Hydrology and Earth System Sciences, 2016, 20, 1413-1432.	4.9	28
21	Reply to comment by Porporato and Calabrese on â€œStorage selection functions: A coherent framework for quantifying how catchments store and release water and solutesâ€ Water Resources Research, 2016, 52, 616-618.	4.2	0
22	Transit timesâ€"the link between hydrology and water quality at the catchment scale. Wiley Interdisciplinary Reviews: Water, 2016, 3, 629-657.	6.5	184
23	Interpreting characteristic drainage timescale variability across Kilombero Valley, Tanzania. Hydrological Processes, 2015, 29, 1912-1924.	2.6	27
24	Storage selection functions: A coherent framework for quantifying how catchments store and release water and solutes. Water Resources Research, 2015, 51, 4840-4847.	4.2	170
25	Interacting effects of change in climate, human population, land use, and water use on biodiversity and ecosystem services. Ecology and Society, 2015, 20, .	2.3	43
26	Seasonal and Regional Patterns in Performance for a Baltic Sea Drainage Basin Hydrologic Model. Journal of the American Water Resources Association, 2015, 51, 550-566.	2.4	7
27	Consequences of mixing assumptions for timeâ€variable travel time distributions. Hydrological Processes, 2015, 29, 3460-3474.	2.6	93
28	Iron oxidation kinetics and phosphate immobilization along the flow-path from groundwater into surface water. Hydrology and Earth System Sciences, 2014, 18, 4687-4702.	4.9	53
29	A virtual water network of the Roman world. Hydrology and Earth System Sciences, 2014, 18, 5025-5040.	4.9	40
30	Exploring hydroclimatic change disparity via the Budyko framework. Hydrological Processes, 2014, 28, 4110-4118.	2.6	63
31	Societal, land cover and climatic controls on river nutrient flows into the Baltic Sea. Journal of Hydrology: Regional Studies, 2014, 1, 44-56.	2.4	18
32	Temporal variability in groundwater and surface water quality in humid agricultural catchments; driving processes and consequences for regional water quality monitoring. Fundamental and Applied Limnology, 2014, 184, 195-209.	0.7	10
33	Dataâ€driven regionalization of river discharges and emergent land coverâ€"evapotranspiration relationships across Sweden. Journal of Geophysical Research D: Atmospheres, 2013, 118, 2576-2587.	3.3	53
34	Chloride circulation in a lowland catchment and the formulation of transport by travel time distributions. Water Resources Research, 2013, 49, 4619-4632.	4.2	74
35	Lateâ€time drainage from a sloping Boussinesq aquifer. Water Resources Research, 2013, 49, 7498-7507.	4.2	22
36	Quantifying catchmentâ€scale mixing and its effect on timeâ€varying travel time distributions. Water Resources Research, 2012, 48, .	4.2	124

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37	Quantifying water and salt fluxes in a lowland polder catchment dominated by boil seepage: a probabilistic end-member mixing approach. Hydrology and Earth System Sciences, 2011, 15, 2101-2117.	4.9	25
38	Anatomy of extraordinary rainfall and flash flood in a Dutch lowland catchment. Hydrology and Earth System Sciences, 2011, 15, 1991-2005.	4.9	41
39	Improving catchment discharge predictions by inferring flow route contributions from a nested-scale monitoring and model setup. Hydrology and Earth System Sciences, 2011, 15, 913-930.	4.9	16
40	Direct measurements of the tile drain and groundwater flow route contributions to surface water contamination: From field-scale concentration patterns in groundwater to catchment-scale surface water quality. Environmental Pollution, 2010, 158, 3571-3579.	7.5	76
41	Nitrate response of a lowland catchment: On the relation between stream concentration and travel time distribution dynamics. Water Resources Research, 2010, 46, .	4.2	103
42	Integrated modeling of groundwaterâ€“surface water interactions in a tileâ€drained agricultural field: The importance of directly measured flow route contributions. Water Resources Research, 2010, 46, .	4.2	46
43	Improving Load Estimates for NO₃ and P in Surface Waters by Characterizing the Concentration Response to Rainfall Events. Environmental Science & Technology, 2010, 44, 6305-6312.	10.0	69
44	Application and Evaluation of a New Passive Sampler for Measuring Average Solute Concentrations in a Catchment Scale Water Quality Monitoring Study. Environmental Science & Technology, 2010, 44, 1353-1359.	10.0	59
45	Field-Scale Measurements for Separation of Catchment Discharge into Flow Route Contributions. Vadose Zone Journal, 2010, 9, 25.	2.2	56
46	Catchment-scale non-linear groundwater-surface water interactions in densely drained lowland catchments. Hydrology and Earth System Sciences, 2009, 13, 1867-1885.	4.9	34