Michael Rinderer

List of Publications by Year
in descending order

20 papers	703 citations	623188 14 h-index	839053 18 g-index
32 all docs	32 docs citations	32 times ranked	1012 citing authors

#	Article	IF	Citations
1	The Demographics of Water: A Review of Water Ages in the Critical Zone. Reviews of Geophysics, 2019, 57, 800-834.	9.0	197
2	Topographic controls on shallow groundwater levels in a steep, prealpine catchment: When are the TWI assumptions valid?. Water Resources Research, 2014, 50, 6067-6080.	1.7	72
3	Contributing sources to baseflow in preâ€alpine headwaters using spatial snapshot sampling. Hydrological Processes, 2015, 29, 5321-5336.	1.1	43
4	Quantification of subsurface hydrologic connectivity in four headwater catchments using graph theory. Science of the Total Environment, 2019, 646, 1265-1280.	3.9	42
5	Assessing structural, functional and effective hydrologic connectivity with brain neuroscience methods: State-of-the-art and research directions. Earth-Science Reviews, 2018, 178, 29-47.	4.0	41
6	Studying catchment storm response using event- and pre-event-water volumes as fractions of precipitation rather than discharge. Hydrology and Earth System Sciences, 2018, 22, 5847-5865.	1.9	36
7	From Points to Patterns: Using Groundwater Time Series Clustering to Investigate Subsurface Hydrological Connectivity and Runoff Source Area Dynamics. Water Resources Research, 2019, 55, 5784-5806.	1.7	34
8	Sensing with boots and trousers â€" qualitative field observations of shallow soil moisture patterns. Hydrological Processes, 2012, 26, 4112-4120.	1.1	33
9	Is groundwater response timing in a preâ€alpine catchment controlled more by topography or by rainfall?. Hydrological Processes, 2016, 30, 1036-1051.	1.1	33
10	Analyzing the operational performance of the hydrological models in an alpine flood forecasting system. Journal of Hydrology, 2012, 412-413, 90-100.	2.3	29
11	Groundwater similarity across a watershed derived from timeâ€warped and flowâ€corrected time series. Water Resources Research, 2017, 53, 3921-3940.	1.7	26
12	Ecohydrological travel times derived from in situ stable water isotope measurements in trees during a semi-controlled pot experiment. Hydrology and Earth System Sciences, 2021, 25, 4513-4530.	1.9	21
13	How can we model subsurface stormflow at the catchment scale if we cannot measure it?. Hydrological Processes, 2019, 33, 1378-1385.	1.1	19
14	A soil moisture monitoring network to characterize karstic recharge and evapotranspiration at five representative sites across the globe. Geoscientific Instrumentation, Methods and Data Systems, 2020, 9, 11-23.	0.6	17
15	Runoff generation in a pre-alpine catchment: A discussion between a tracer and a shallow groundwater hydrologist. Cuadernos De Investigacion Geografica, 2018, 44, 429-452.	0.6	14
16	Hydrological modeling in alpine catchments: sensing the critical parameters towards an efficient model calibration. Water Science and Technology, 2009, 60, 1507-1514.	1.2	13
17	Soil Information in Hydrologic Models. , 2012, , 515-536.		13
18	Subsurface flow and phosphorus dynamics in beech forest hillslopes during sprinkling experiments: how fast is phosphorus replenished?. Biogeosciences, 2021, 18, 1009-1027.	1.3	8

#	Article	IF	Citations
19	Qualitative soil moisture assessment in semi-arid Africa â€“ the role of experience and training on inter-rater reliability. Hydrology and Earth System Sciences, 2015, 19, 3505-3516.	1.9	5
20	Runoff and bedload transport modelling for flood hazard assessment in small alpine catchments - the PROMABGIS model. , 2009, , 69-101.		2