Luisa Hopp

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3043992/publications.pdf

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22	914	567281 15	677142 22
papers	citations	h-index	g-index

28	28	28	1349
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Connectivity at the hillslope scale: Identifying interactions between storm size, bedrock permeability, slope angle and soil depth. Journal of Hydrology, 2009, 376, 378-391.	5.4	229
2	Ideas and perspectives: Tracing terrestrial ecosystem water fluxes using hydrogen and oxygen stable isotopes â€“ challenges and opportunities from an interdisciplinary perspective. Biogeosciences, 2018, 15, 6399-6415.	3.3	115
3	Hillslope hydrology under glass: confronting fundamental questions of soil-water-biota co-evolution at Biosphere 2. Hydrology and Earth System Sciences, 2009, 13, 2105-2118.	4.9	68
4	Simulated effect of soil depth and bedrock topography on nearâ€surface hydrologic response and slope stability. Earth Surface Processes and Landforms, 2013, 38, 146-159.	2.5	66
5	Water sources for root water uptake: Using stable isotopes of hydrogen and oxygen as a research tool in agricultural and agroforestry systems. Agriculture, Ecosystems and Environment, 2020, 291, 106790.	5.3	65
6	On the value of surface saturated area dynamics mapped with thermal infrared imagery for modeling the hillslope-riparian-stream continuum. Water Resources Research, 2016, 52, 8317-8342.	4.2	47
7	The effect of spatial throughfall patterns on soil moisture patterns at the hillslope scale. Hydrology and Earth System Sciences, 2013, 17, 1749-1763.	4.9	42
8	Spatio-temporal variability of piezometric response on two steep alpine hillslopes. Hydrological Processes, 2015, 29, 198-211.	2.6	41
9	Arsenic and Chromium Partitioning in a Podzolic Soil Contaminated by Chromated Copper Arsenate. Environmental Science & Technology, 2008, 42, 6481-6486.	10.0	33
10	Examining the role of throughfall patterns on subsurface stormflow generation. Journal of Hydrology, 2011, 409, 460-471.	5.4	30
11	How Meaningful are Plotâ€Scale Observations and Simulations of Preferential Flow for Catchment Models?. Vadose Zone Journal, 2019, 18, 1-18.	2.2	26
12	Spatial variability of arsenic and chromium in the soil water at a former wood preserving site. Journal of Contaminant Hydrology, 2006, 85, 159-178.	3.3	23
13	How can we model subsurface stormflow at the catchment scale if we cannot measure it?. Hydrological Processes, 2019, 33, 1378-1385.	2.6	19
14	Low hydrological connectivity after summer drought inhibits DOC export in a forested headwater catchment. Hydrology and Earth System Sciences, 2021, 25, 5133-5151.	4.9	19
15	Lateral Subsurface Flow in a Soil Cover over Waste Rock in a Humid Temperate Environment. Vadose Zone Journal, 2011, 10, 332-344.	2.2	16
16	Intra-catchment variability of surface saturation â€“ insights from physically based simulations in comparison with biweekly thermal infrared image observations. Hydrology and Earth System Sciences, 2020, 24, 1393-1413.	4.9	16
17	Simulation of chromium transport in the unsaturated zone for predicting contaminant entries into the groundwater. Journal of Plant Nutrition and Soil Science, 2004, 167, 284-292.	1.9	13
18	Ecohydrological controls on soil erosion and landscape evolution. Ecohydrology, 2012, 5, 478-490.	2.4	13

#	Article	IF	Citations
19	Simulating water flow in variably saturated soils: a comparison of a 3D model with approximation-based formulations. Hydrology Research, 2016, 47, 274-290.	2.7	7
20	Delineating Source Contributions to Stream Dissolved Organic Matter Composition Under Baseflow Conditions in Forested Headwater Catchments. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2021JG006425.	3.0	6
21	The relevance of preferential flow in catchment scale simulations: Calibrating a 3D dualâ€permeability model using DREAM. Hydrological Processes, 2020, 34, 1237-1254.	2.6	5
22	Sources of Surface Water in Space and Time: Identification of Delivery Processes and Geographical Sources With Hydraulic Mixingâ€Cell Modeling. Water Resources Research, 2021, 57, .	4.2	4