Oliver S Schilling

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9019855/publications.pdf

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18	470	687363 13	940533 16
papers	citations	h-index	g-index

19	19	19	517
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Buried Paleoâ€Channel Detection With a Groundwater Model, Tracerâ€Based Observations, and Spatially Varying, Preferred Anisotropy Pilot Point Calibration. Geophysical Research Letters, 2022, 49, .	4.0	8
2	Controls on Interactions Between Surface Water, Groundwater, and Riverine Vegetation Along Intermittent Rivers and Ephemeral Streams in Arid Regions. Water Resources Research, 2021, 57, e2020WR028429.	4.2	16
3	Quantifying Groundwater Recharge Dynamics and Unsaturated Zone Processes in Snowâ€Dominated Catchments via Onâ€Site Dissolved Gas Analysis. Water Resources Research, 2021, 57, e2020WR028479.	4.2	24
4	A Framework for Untangling Transient Groundwater Mixing and Travel Times. Water Resources Research, 2021, 57, e2020WR028362.	4.2	21
5	Does Data Availability Constrain Temperature-Index Snow Models? A Case Study in a Humid Boreal Forest. Water (Switzerland), 2020, 12, 2284.	2.7	5
6	Beyond Classical Observations in Hydrogeology: The Advantages of Including Exchange Flux, Temperature, Tracer Concentration, Residence Time, and Soil Moisture Observations in Groundwater Model Calibration. Reviews of Geophysics, 2019, 57, 146-182.	23.0	75
7	Integrated Surface and Subsurface Hydrological Modeling with Snowmelt and Pore Water Freezeâ€“Thaw. Ground Water, 2019, 57, 63-74.	1.3	32
8	Simulating Floodâ€Induced Riverbed Transience Using Unmanned Aerial Vehicles, Physically Based Hydrological Modeling, and the Ensemble Kalman Filter. Water Resources Research, 2018, 54, 9342-9363.	4.2	27
9	Topsoil structure stability in a restored floodplain: Impacts of fluctuating water levels, soil parameters and ecosystem engineers. Science of the Total Environment, 2018, 639, 1610-1622.	8.0	13
10	SIMULATING NITRATE TRANSPORT IN FRACTURED TILL INCLUDING TILE DRAINAGE: PRELIMINARY RESULTS. , 2018, , .		0
11	Integrating hydrological modelling, data assimilation and cloud computing for real-time management of water resources. Environmental Modelling and Software, 2017, 93, 418-435.	4.5	53
12	Estimating the Spatial Extent of Unsaturated Zones in Heterogeneous Riverâ€Aquifer Systems. Water Resources Research, 2017, 53, 10583-10602.	4.2	30
13	The influence of riverbed heterogeneity patterns on river-aquifer exchange fluxes under different connection regimes. Journal of Hydrology, 2017, 554, 383-396.	5.4	36
14	Advancing Physicallyâ€Based Flow Simulations of Alluvial Systems Through Atmospheric Noble Gases and the Novel ³⁷Ar Tracer Method. Water Resources Research, 2017, 53, 10465-10490.	4.2	37
15	Real-Time Environmental Monitoring for Cloud-Based Hydrogeological Modeling with HydroGeoSphere. , 2014, , .		8
16	Wireless Mesh Networks and Cloud Computing for Real Time Environmental Simulations. Advances in Intelligent Systems and Computing, 2014, , 1-11.	0.6	6
17	Using tree ring data as a proxy for transpiration to reduce predictive uncertainty of a model simulating groundwaterâ€“surface waterâ€–vegetation interactions. Journal of Hydrology, 2014, 519, 2258-2271.	5.4	53
18	Hydrothermal models of the Perth metropolitan area, Western Australia: implications for geothermal energy. Hydrogeology Journal, 2013, 21, 605-621.	2.1	26