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	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
2	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
3	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
4	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
5	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
6	Integrated Surface and Subsurface Hydrological Modeling with Snowmelt and Pore Water Freezeâ€“Thaw. Ground Water, 2019, 57, 63-74.	1.3	32
7	Estimating the Spatial Extent of Unsaturated Zones in Heterogeneous Riverâ€Aquifer Systems. Water Resources Research, 2017, 53, 10583-10602.	4.2	30
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	Hydrothermal models of the Perth metropolitan area, Western Australia: implications for geothermal energy. Hydrogeology Journal, 2013, 21, 605-621.	2.1	26
10	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
11	A Framework for Untangling Transient Groundwater Mixing and Travel Times. Water Resources Research, 2021, 57, e2020WR028362.	4.2	21
12	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
13	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
14	Real-Time Environmental Monitoring for Cloud-Based Hydrogeological Modeling with HydroGeoSphere. , 2014, , .		8
15	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
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	Does Data Availability Constrain Temperature-Index Snow Models? A Case Study in a Humid Boreal Forest. Water (Switzerland), 2020, 12, 2284.	2.7	5
18	SIMULATING NITRATE TRANSPORT IN FRACTURED TILL INCLUDING TILE DRAINAGE: PRELIMINARY RESULTS. , 2018, , .		0