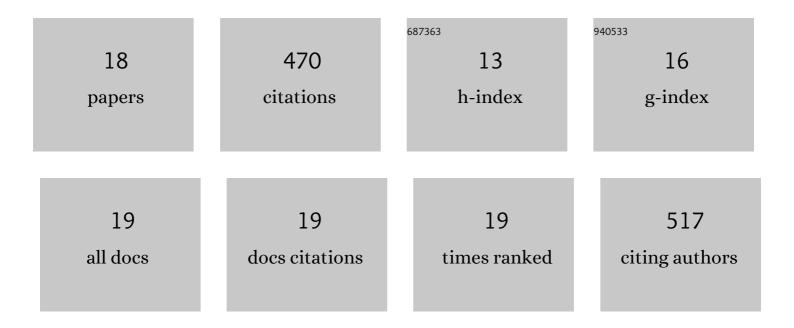
## **Oliver S Schilling**

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/9019855/publications.pdf Version: 2024-02-01



| #  | Article   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Buried Paleoâ€Channel Detection With a Groundwater Model, Tracerâ€Based Observations, and Spatially<br>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<br>Intermittent Rivers and Ephemeral Streams in Arid Regions. Water Resources Research, 2021, 57,<br>e2020WR028429.  | 4.2  | 16        |
| 3  | Quantifying Groundwater Recharge Dynamics and Unsaturated Zone Processes in Snowâ€Dominated<br>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<br>Forest. Water (Switzerland), 2020, 12, 2284.  | 2.7  | 5         |
| 6  | Beyond Classical Observations in Hydrogeology: The Advantages of Including Exchange Flux,<br>Temperature, Tracer Concentration, Residence Time, and Soil Moisture Observations in Groundwater<br>Model Calibration. Reviews of Geophysics, 2019, 57, 146-182. | 23.0 | 75        |
| 7  | Integrated Surface and Subsurface Hydrological Modeling with Snowmelt and Pore Water<br>Freeze–Thaw. Ground Water, 2019, 57, 63-74.   | 1.3  | 32        |
| 8  | Simulating Floodâ€Induced Riverbed Transience Using Unmanned Aerial Vehicles, Physically Based<br>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<br>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<br>and the Novel <sup>37</sup> Ar Tracer Method. Water Resources Research, 2017, 53, 10465-10490.  | 4.2  | 37        |
| 15 | Real-Time Environmental Monitoring for Cloud-Based Hydrogeological Modeling with<br>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<br>simulating groundwater–surface water–vegetation interactions. Journal of Hydrology, 2014, 519,<br>2258-2271.   | 5.4  | 53        |
| 18 | Hydrothermal models of the Perth metropolitan area, Western Australia: implications for geothermal<br>energy. Hydrogeology Journal, 2013, 21, 605-621.  | 2.1  | 26        |