

# Britta Schmalz

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

1,285  
citations

430442

18  
h-index

360668

35  
g-index

45  
all docs

45  
docs citations

45  
times ranked

1526  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Assessing effects of land use and land cover changes on hydrological processes and sediment yield in the Xunwu River watershed, Jiangxi Province, China. <i>Frontiers of Earth Science</i> , 2022, 16, 819-833.                             | 0.9 | 2         |
| 2  | Assessment of wavelet-SVR and wavelet-GP models in predicting the groundwater level using areal precipitation and consumption data. <i>Hydrological Sciences Journal</i> , 2022, 67, 1026-1039.   | 1.2 | 4         |
| 3  | Low Flow and Drought in a German Low Mountain Range Basin. <i>Water (Switzerland)</i> , 2021, 13, 316.  | 1.2 | 10        |
| 4  | A Systematic Analysis of the Interaction between Rain-on-Grid-Simulations and Spatial Resolution in 2D Hydrodynamic Modeling. <i>Water (Switzerland)</i> , 2021, 13, 2346.  | 1.2 | 16        |
| 5  | Deriving the Main Cultivation Direction from Open Remote Sensing Data to Determine the Support Practice Measure Contouring. <i>Land</i> , 2021, 10, 1279.   | 1.2 | 5         |
| 6  | Flood hazard analysis in small catchments: Comparison of hydrological and hydrodynamic approaches by the use of direct rainfall. <i>Journal of Flood Risk Management</i> , 2020, 13, e12639.  | 1.6 | 45        |
| 7  | Comparison of Baseflow Separation Methods in the German Low Mountain Range. <i>Water (Switzerland)</i> , 2020, 12, 1740.  | 1.2 | 20        |
| 8  | Projected changes in climate and hydrological regimes of the Western Siberian lowlands. <i>Environmental Earth Sciences</i> , 2019, 78, 1.  | 1.3 | 6         |
| 9  | Improved structure of vertical flow velocity distribution in natural rivers based on mean vertical profile velocity and relative water depth. <i>Hydrology Research</i> , 2018, 49, 878-892.  | 1.1 | 2         |
| 10 | Modelling of hydrological processes in snowmelt-governed permafrost-free catchments of the Western Siberian lowlands. <i>International Journal of Hydrology Science and Technology</i> , 2018, 8, 289.                                      | 0.2 | 0         |
| 11 | Modelling of hydrological processes in snowmelt-governed permafrost-free catchments of the Western Siberian Lowlands. <i>International Journal of Hydrology Science and Technology</i> , 2018, 1, 1.  | 0.2 | 1         |
| 12 | Application of modified Manning formula in the determination of vertical profile velocity in natural rivers. <i>Hydrology Research</i> , 2017, 48, 133-146.   | 1.1 | 5         |
| 13 | Seasonality of Roughness - the Indicator of Annual River Flow Resistance Condition in a Lowland Catchment. <i>Water Resources Management</i> , 2017, 31, 3299-3312.   | 1.9 | 15        |
| 14 | Evaluation of Land Use, Land Management and Soil Conservation Strategies to Reduce Non-Point Source Pollution Loads in the Three Gorges Region, China. <i>Environmental Management</i> , 2016, 58, 906-921.                                 | 1.2 | 52        |
| 15 | Water-related ecosystem services in Western Siberian lowland basins – Analysing and mapping spatial and seasonal effects on regulating services based on ecohydrological modelling results. <i>Ecological Indicators</i> , 2016, 71, 55-65. | 2.6 | 56        |
| 16 | Field data-based implementation of land management and terraces on the catchment scale for an eco-hydrological modelling approach in the Three Gorges Region, China. <i>Agricultural Water Management</i> , 2016, 175, 43-60.               | 2.4 | 15        |
| 17 | A new model linking macroinvertebrate assemblages to habitat composition in rivers: development, sensitivity and univariate application. <i>Fundamental and Applied Limnology</i> , 2015, 186, 117-133.                                     | 0.4 | 12        |
| 18 | Simulation, quantification and comparison of in-channel and floodplain sediment processes in a lowland area – A case study of the Upper StÄr catchment in northern Germany. <i>Ecological Indicators</i> , 2015, 57, 118-127.               | 2.6 | 9         |

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|----|--|-----|-----------|
| 19 | An attack on two fronts: predicting how changes in land use and climate affect the distribution of stream macroinvertebrates. <i>Freshwater Biology</i> , 2015, 60, 1443-1458.   | 1.2 | 66        |
| 20 | Water-Related Ecosystem Services – The Case Study of Regulating Ecosystem Services in the Kielstau Basin, Germany. , 2015, , 215-232.  |     | 1         |
| 21 | Impacts of land use changes on hydrological components and macroinvertebrate distributions in the Poyang lake area. <i>Ecohydrology</i> , 2015, 8, 1119-1136.  | 1.1 | 31        |
| 22 | Temporal variability of nitrogen and phosphorus concentrations in a German catchment: water sampling implication. <i>Revista Brasileira De Engenharia Agrícola E Ambiental</i> , 2014, 18, 811-818.                    | 0.4 | 0         |
| 23 | Modeling daily chlorophyll a dynamics in a German lowland river using artificial neural networks and multiple linear regression approaches. <i>Limnology</i> , 2014, 15, 47-56.  | 0.8 | 38        |
| 24 | Integrating catchment properties in small scale species distribution models of stream macroinvertebrates. <i>Ecological Modelling</i> , 2014, 277, 77-86.  | 1.2 | 70        |
| 25 | Simulation and comparison of stream power in-channel and on the floodplain in a German lowland area. <i>Journal of Hydrology and Hydromechanics</i> , 2014, 62, 133-144.   | 0.7 | 16        |
| 26 | Application of a hydrological-hydraulic modelling cascade in lowlands for investigating water and sediment fluxes in catchment, channel and reach. <i>Journal of Hydrology and Hydromechanics</i> , 2013, 61, 334-346. | 0.7 | 28        |
| 27 | Development and testing of a phytoplankton index of biotic integrity (P-IBI) for a German lowland river. <i>Ecological Indicators</i> , 2012, 13, 158-167.   | 2.6 | 89        |
| 28 | Modelling of riverine ecosystems by integrating models: conceptual approach, a case study and research agenda. <i>Journal of Biogeography</i> , 2012, 39, 2253-2263.   | 1.4 | 52        |
| 29 | Accuracy, reproducibility and sensitivity of acoustic Doppler technology for velocity and discharge measurements in medium-sized rivers. <i>Hydrological Sciences Journal</i> , 2012, 57, 1626-1641.                   | 1.2 | 10        |
| 30 | Assessing the spatial and temporal variations of water quality in lowland areas, Northern Germany. <i>Journal of Hydrology</i> , 2012, 438-439, 137-147.   | 2.3 | 44        |
| 31 | A comparison of phytoplankton assemblages generated by two sampling protocols in a German lowland catchment. <i>Annales De Limnologie</i> , 2011, 47, 313-323.   | 0.6 | 11        |
| 32 | The impact of agricultural Best Management Practices on water quality in a North German lowland catchment. <i>Environmental Monitoring and Assessment</i> , 2011, 183, 351-379.  | 1.3 | 136       |
| 33 | Distribution of phytoplankton in a German lowland river in relation to environmental factors. <i>Journal of Plankton Research</i> , 2011, 33, 807-820.   | 0.8 | 83        |
| 34 | Incorporating landscape depressions and tile drainages of a northern German lowland catchment into a semi-distributed model. <i>Hydrological Processes</i> , 2010, 24, 1472-1486.                                      | 1.1 | 71        |
| 35 | Modelling point and diffuse source pollution of nitrate in a rural lowland catchment using the SWAT model. <i>Agricultural Water Management</i> , 2010, 97, 317-325.   | 2.4 | 118       |
| 36 | Variability of water quality in a riparian wetland with interacting shallow groundwater and surface water. <i>Journal of Plant Nutrition and Soil Science</i> , 2009, 172, 757-768.                                    | 1.1 | 11        |

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|----|--|------|-----------|
| 37 | Modelling hydrological processes in mesoscale lowland river basins with SWAT's capabilities and challenges. Hydrological Sciences Journal, 2008, 53, 989-1000.                 | 1.2  | 46        |
| 38 | ANALYSIS OF UNSATURATED WATER FLOW IN A LARGE SAND TANK. Soil Science, 2003, 168, 3-14.  | 0.9  | 12        |
| 39 | Analyses of soil water content variations and GPR attribute distributions. Journal of Hydrology, 2002, 267, 217-226.   | 2.3  | 49        |
| 40 | Modelling spatial distribution of surface runoff and sediment yield in a Chinese river basin without continuous sediment monitoring. Hydrological Sciences Journal, 0, , 1-24. | 1.2  | 7         |
| 41 | Impact of Land Use on Stream Water Quality in the German Low Mountain Range Basin Gersprenz. Landscape Online, 0, 72, 1-17.  | 0.0  | 12        |
| 42 | Preface: Innovative monitoring techniques and modelling approaches for analysing hydrological processes in small basins. Advances in Geosciences, 0, 48, 49-51.                | 12.0 | 1         |