

Jan Bliefernicht

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

635
citations

687363

13
h-index

610901

24
g-index

30
all docs

30
docs citations

30
times ranked

893
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of Runoffâ€“Infiltration Partitioning and Resolved Overland Flow on Landâ€“Atmosphere Feedbacks: A Case Study with the WRF-Hydro Coupled Modeling System for West Africa. <i>Journal of Hydrometeorology</i> , 2016, 17, 1489-1516.	1.9	85
2	Variability of West African monsoon patterns generated by a WRF multi-physics ensemble. <i>Climate Dynamics</i> , 2015, 45, 2733-2755.	3.8	64
3	Global warming induced hybrid rainy seasons in the Sahel. <i>Environmental Research Letters</i> , 2016, 11, 104008.	5.2	62
4	Extreme Precipitation in the West African Cities of Dakar and Ouagadougou: Atmospheric Dynamics and Implications for Flood Risk Assessments. <i>Journal of Hydrometeorology</i> , 2017, 18, 2937-2957.	1.9	46
5	Carbon dioxide fluxes from contrasting ecosystems in the Sudanian Savanna in West Africa. <i>Carbon Balance and Management</i> , 2015, 10, 1.	3.2	41
6	Toward a seasonal precipitation prediction system for West Africa: Performance of CFSv2 and highâ€“resolution dynamical downscaling. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 7316-7339.	3.3	37
7	Feedback of observed interannual vegetation change: a regional climate model analysis for the West African monsoon. <i>Climate Dynamics</i> , 2017, 48, 2837-2858.	3.8	35
8	To bias correct or not to bias correct? An agricultural impact modelersâ€™ perspective on regional climate model data. <i>Agricultural and Forest Meteorology</i> , 2021, 304-305, 108406.	4.8	31
9	The WASCAL high-resolution regional climate simulation ensemble for West Africa: concept, dissemination and assessment. <i>Earth System Science Data</i> , 2018, 10, 815-835.	9.9	23
10	Spatio-temporal variability of water and energy fluxes â€“ a case study for a mesoscale catchment in pre-Alpine environment. <i>Hydrological Processes</i> , 2016, 30, 3804-3823.	2.6	20
11	Evaluation of the COSMOâ€“CLM highâ€“resolution climate simulations over West Africa. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 1437-1455.	3.3	20
12	In Situ Observations and Lumped Parameter Model Reconstructions Reveal Intra-Annual to Multidecadal Variability in Groundwater Levels in Sub-Saharan Africa. <i>Water Resources Research</i> , 2020, 56, e2020WR028056.	4.2	20
13	Probabilistic forecast of daily areal precipitation focusing on extreme events. <i>Natural Hazards and Earth System Sciences</i> , 2007, 7, 263-269.	3.6	16
14	Performance Analysis and Projected Changes of Agroclimatological Indices Across West Africa Based on High-Resolution Regional Climate Model Simulations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 7950-7973.	3.3	16
15	The WASCAL Hydrometeorological Observatory in the Sudan Savanna of Burkina Faso and Ghana. <i>Vadose Zone Journal</i> , 2018, 17, 1-20.	2.2	15
16	Quality and Value of Seasonal Precipitation Forecasts Issued by the West African Regional Climate Outlook Forum. <i>Journal of Applied Meteorology and Climatology</i> , 2019, 58, 621-642.	1.5	15
17	Seasonal Forecasting of the Onset of the Rainy Season in West Africa. <i>Atmosphere</i> , 2019, 10, 528.	2.3	14
18	Copula-based downscaling of daily precipitation fields. <i>Hydrological Processes</i> , 2018, 32, 3479-3494.	2.6	13

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19	The impact of rain events on CO2 emissions from contrasting land use systems in semi-arid West African savannas. <i>Science of the Total Environment</i> , 2019, 647, 1478-1489.	8.0	13
20	The Impact of Rainfall Variability on Diets and Undernutrition of Young Children in Rural Burkina Faso. <i>Frontiers in Public Health</i> , 2021, 9, 693281.	2.7	11
21	Designing Transnational Hydroclimatological Observation Networks and Data Sharing Policies in West Africa. <i>Data Science Journal</i> , 2019, 18, .	1.3	8
22	Observed data of extreme rainfall events over the West African Sahel. <i>Data in Brief</i> , 2018, 20, 1274-1278.	1.0	7
23	Seasonal forecasts offer economic benefit for hydrological decision making in semi-arid regions. <i>Scientific Reports</i> , 2021, 11, 10581.	3.3	7
24	Towards a historical precipitation database for West Africa: Overview, quality control and harmonization. <i>International Journal of Climatology</i> , 2022, 42, 4001-4023.	3.5	7
25	Numerical Simulation of Surface Energy and Water Balances over a Semiarid Grassland Ecosystem in the West African Savanna. <i>Advances in Meteorology</i> , 2017, 2017, 1-11.	1.6	3
26	Exploring the Potential of the Cost-Efficient TAHMO Observation Data for Hydro-Meteorological Applications in Sub-Saharan Africa. <i>Water (Switzerland)</i> , 2021, 13, 3308.	2.7	3
27	Atmospheric circulation patterns that trigger heavy rainfall in West Africa. <i>International Journal of Climatology</i> , 0, , .	3.5	2
28	Bias correction of daily precipitation for ungauged locations using geostatistical approaches: A case study for the <scp>CORDEXâ€Africa</scp> ensemble. <i>International Journal of Climatology</i> , 2022, 42, 6596-6615.	3.5	1
29	Short-range plain flood forecasting and risk management in the Bavarian Danube basin. , 2008, , 1127-1134.		0