

Christopher E Ndehedehe

List of Publications by Year
in descending order

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Version: 2024-02-01

61
papers

1,655
citations

257101
24
h-index

301761
39
g-index

75
all docs

75
docs citations

75
times ranked

1296
citing authors

#	ARTICLE	IF	CITATIONS
1	Fracture aquifers identification in the Zou basin (West Africa) using remote sensing and GIS. Geocarto International, 2022, 37, 3199-3222.	1.7	6
2	Modeling streamflow using multiple precipitation products in a topographically complex catchment. Modeling Earth Systems and Environment, 2022, 8, 1875-1885.	1.9	15
3	A comparison of existing transformation models to improve coordinate conversion between geodetic reference frames in Nigeria. Modeling Earth Systems and Environment, 2022, 8, 611-624.	1.9	4
4	Modelling impacts of climate change on coastal West African rainfall. Modeling Earth Systems and Environment, 2022, 8, 3325-3340.	1.9	4
5	Integration of satellite geodetic observations for regional geoid modeling using remove-compute-restore technique. Earth Science Informatics, 2022, 15, 233-251.	1.6	4
6	Characterization of the hydro-geological regime of fractured aquifers in Benin (West-Africa) using multi-satellites and models. Journal of Hydrology: Regional Studies, 2022, 39, 100987.	1.0	2
7	Application of a Conceptual Hydrological Model for Streamflow Prediction Using Multi-Source Precipitation Products in a Semi-Arid River Basin. Water (Switzerland), 2022, 14, 1260.	1.2	14
8	Estimating the seven transformational parameters between two geodetic datums using the steepest descent algorithm of machine learning. Applied Computing and Geosciences, 2022, 14, 100086.	1.0	5
9	Anthropogenic Influence on Terrestrial Hydrology. , 2022, , 283-298.		2
10	Cloud-Based Geospatial Analysis. , 2022, , 73-95.		1
11	Satellite Geodetic Missions. , 2022, , 53-70.		4
12	Remote Sensing of Surface Vegetation. , 2022, , 131-176.		3
13	Satellite Observations of Terrestrial Water Storage. , 2022, , 331-386.		2
14	Global Freshwater Systems. , 2022, , 19-32.		2
15	Drought Events. , 2022, , 249-280.		3
16	Hotspots of Climatic Influence. , 2022, , 629-688.		2
17	Optical Remote Sensing Systems. , 2022, , 35-52.		1
18	Impacts of Water Resources Development on Hydrology. , 2022, , 389-437.		2

#	ARTICLE	IF	CITATIONS
19	Integrating machine learning with Markov chain and cellular automata models for modelling urban land use change. Remote Sensing Applications: Society and Environment, 2021, 21, 100461.	0.8	23
20	The versatility of GNSS observations in hydrological studies. , 2021, , 281-298.		3
21	What if the rains do not come?. Journal of Hydrology, 2021, 595, 126040.	2.3	45
22	Impacts of Fully Coupling Land Surface and Flood Models on the Simulation of Large Wetlands' Water Dynamics: The Case of the Inner Niger Delta. Journal of Advances in Modeling Earth Systems, 2021, 13, e2021MS002463.	1.3	16
23	Assessing Freshwater Changes over Southern and Central Africa (2002â€“2017). Remote Sensing, 2021, 13, 2543.	1.8	18
24	Impacts of Climate Change on the Hydrometeorological Characteristics of the Soan River Basin, Pakistan. Atmosphere, 2021, 12, 792.	1.0	12
25	Upstream flows drive the productivity of floodplain ecosystems in tropical Queensland. Ecological Indicators, 2021, 125, 107546.	2.6	26
26	Deep support vector machine for PolSAR image classification. International Journal of Remote Sensing, 2021, 42, 6498-6536.	1.3	21
27	Estimation of the Niger River cross-section and discharge from remotely-sensed products. Journal of Hydrology: Regional Studies, 2021, 36, 100862.	1.0	9
28	Impacts of climate change on the streamflow of a large river basin in the Australian tropics using optimally selected climate model outputs. Journal of Cleaner Production, 2021, 315, 128091.	4.6	27
29	Assessing Changes in Terrestrial Water Storage Components over the Great Artesian Basin Using Satellite Observations. Remote Sensing, 2021, 13, 4458.	1.8	4
30	Understanding uncertainty of model-reanalysis soil moisture within Greater Horn of Africa (1982â€“2014). Journal of Hydrology, 2021, 603, 127169.	2.3	11
31	Evolutionary drought patterns over the Sahel and their teleconnections with low frequency climate oscillations. Atmospheric Research, 2020, 233, 104700.	1.8	49
32	Identifying the footprints of global climate modes in time-variable gravity hydrological signals. Climatic Change, 2020, 159, 481-502.	1.7	18
33	Assessing land water storage dynamics over South America. Journal of Hydrology, 2020, 580, 124339.	2.3	45
34	Tide modeling using partial least squares regression. Ocean Dynamics, 2020, 70, 1089-1101.	0.9	14
35	Hydropower dam operation strongly controls Lake Victoria's freshwater storage variability. Science of the Total Environment, 2020, 726, 138343.	3.9	35
36	Influence of global climate on freshwater changes in Africa's largest endorheic basin using multi-scaled indicators. Science of the Total Environment, 2020, 737, 139643.	3.9	28

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37	Predicting hot spots of aquatic plant biomass in a large floodplain river catchment in the Australian wet-dry tropics. <i>Ecological Indicators</i> , 2020, 117, 106616.	2.6	22
38	Hydrological hotspots of climatic influence in Brazil: A two-step regularization approach. <i>Atmospheric Research</i> , 2020, 246, 105116.	1.8	16
39	Deep support vector machine for hyperspectral image classification. <i>Pattern Recognition</i> , 2020, 103, 107298.	5.1	147
40	Characterization of the hydro-geological regime of Yangtze River basin using remotely-sensed and modeled products. <i>Science of the Total Environment</i> , 2020, 718, 137354.	3.9	41
41	Satellite-derived changes in floodplain productivity and freshwater habitats in northern Australia (1991â€“2019). <i>Ecological Indicators</i> , 2020, 114, 106320.	2.6	23
42	Determining seasonal displacements of Earth's crust in South America using observations from space-borne geodetic sensors and surface-loading models. <i>Earth, Planets and Space</i> , 2019, 71, .	0.9	24
43	Tropical Coastal Wetlands Ameliorate Nitrogen Export During Floods. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	41
44	Hydrological controls on surface vegetation dynamics over West and Central Africa. <i>Ecological Indicators</i> , 2019, 103, 494-508.	2.6	32
45	Prospects for Imaging Terrestrial Water Storage in South America Using Daily GPS Observations. <i>Remote Sensing</i> , 2019, 11, 679.	1.8	30
46	The water resources of tropical West Africa: problems, progress, and prospects. <i>Acta Geophysica</i> , 2019, 67, 621-649.	1.0	45
47	Modelling the impacts of global multi-scale climatic drivers on hydro-climatic extremes (1901â€“2014) over the Congo basin. <i>Science of the Total Environment</i> , 2019, 651, 1569-1587.	3.9	49
48	Changes in hydro-meteorological conditions over tropical West Africa (1980â€“2015) and links to global climate. <i>Global and Planetary Change</i> , 2018, 162, 321-341.	1.6	51
49	Is terrestrial water storage a useful indicator in assessing the impacts of climate variability on crop yield in semi-arid ecosystems?. <i>Ecological Indicators</i> , 2018, 88, 51-62.	2.6	28
50	Space-based observations of crustal deflections for drought characterization in Brazil. <i>Science of the Total Environment</i> , 2018, 644, 256-273.	3.9	51
51	Exploring evapotranspiration dynamics over Sub-Sahara Africa (2000â€“2014). <i>Environmental Monitoring and Assessment</i> , 2018, 190, 400.	1.3	27
52	Assessing multi-satellite remote sensing, reanalysis, and land surface models' products in characterizing agricultural drought in East Africa. <i>Remote Sensing of Environment</i> , 2017, 194, 287-302.	4.6	185
53	Analysis of hydrological variability over the Volta river basin using in-situ data and satellite observations. <i>Journal of Hydrology: Regional Studies</i> , 2017, 12, 88-110.	1.0	44
54	Climate teleconnections influence on West Africa's terrestrial water storage. <i>Hydrological Processes</i> , 2017, 31, 3206-3224.	1.1	57

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55	On the potentials of multiple climate variables in assessing the spatio-temporal characteristics of hydrological droughts over the Volta Basin. Science of the Total Environment, 2016, 557-558, 819-837.	3.9	62
56	Spatio-temporal variability of droughts and terrestrial water storage over Lake Chad Basin using independent component analysis. Journal of Hydrology, 2016, 540, 106-128.	2.3	82
57	Understanding changes in terrestrial water storage over West Africa between 2002 and 2014. Advances in Water Resources, 2016, 88, 211-230.	1.7	85
58	Digital terrain model height estimation using support vector machine regression. South African Journal of Science, 2015, 111, 5.	0.3	8
59	Tide modelling using support vector machine regression. Journal of Spatial Science, 0, , 1-18.	1.0	13
60	Modeling implications of climate induced streamflow changes on the fish species of the Soan River, Pakistan. Modeling Earth Systems and Environment, 0, , 1.	1.9	1
61	Boosted Regression Tree Algorithm for the Reconstruction of GRACE-Based Terrestrial Water Storage Anomalies in the Yangtze River Basin. Frontiers in Environmental Science, 0, 10, .	1.5	5