

Alain Dezetter

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8965866/publications.pdf>

Version: 2024-02-01

39
papers

1,489
citations

331670

21
h-index

330143

37
g-index

45
all docs

45
docs citations

45
times ranked

1708
citing authors

#	ARTICLE	IF	CITATIONS
1	The impact of land use change on soil water holding capacity and river flow modelling in the Nakambe River, Burkina-Faso. <i>Journal of Hydrology</i> , 2005, 300, 33-43.	5.4	225
2	Selection of calibration objective fonctions in the context of rainfall-runoff modelling in a Sudanese savannah area. <i>Hydrological Sciences Journal</i> , 1991, 36, 307-330.	2.6	139
3	Current state of Mediterranean water resources and future trends under climatic and anthropogenic changes. <i>Hydrological Sciences Journal</i> , 2013, 58, 498-518.	2.6	109
4	Modeling the current and future capacity of water resources to meet water demands in the Ebro basin. <i>Journal of Hydrology</i> , 2013, 500, 114-126.	5.4	79
5	Assessing the impact of global climate changes on irrigated wheat yields and water requirements in a semi-arid environment of Morocco. <i>Scientific Reports</i> , 2019, 9, 19142.	3.3	67
6	Facing climatic and anthropogenic changes in the Mediterranean basin: What will be the medium-term impact on water stress?. <i>Comptes Rendus - Geoscience</i> , 2012, 344, 432-440.	1.2	64
7	Rainfall-runoff modelling and water resources assessment in northwestern Ivory Coast. Tentative extension to ungauged catchments. <i>Journal of Hydrology</i> , 1993, 148, 231-248.	5.4	63
8	Evolution des régimes hydrologiques en région équatoriale camerounaise: un impact de la variabilité climatique en Afrique équatoriale?. <i>Hydrological Sciences Journal</i> , 2008, 53, 789-801.	2.6	51
9	The concept of rainfall and streamflow normals in West and Central Africa in a context of climatic variability. <i>Hydrological Sciences Journal</i> , 2003, 48, 125-137.	2.6	48
10	Using general circulation model outputs to assess impacts of climate change on runoff for large hydrological catchments in West Africa. <i>Hydrological Sciences Journal</i> , 2009, 54, 77-89.	2.6	44
11	Historical reconstruction and 2050 projections of water demand under anthropogenic and climate changes in two contrasted Mediterranean catchments. <i>Journal of Hydrology</i> , 2015, 522, 684-696.	5.4	40
12	Water supply sustainability and adaptation strategies under anthropogenic and climatic changes of a meso-scale Mediterranean catchment. <i>Science of the Total Environment</i> , 2015, 536, 589-602.	8.0	40
13	Evaluation of satellite-based rainfall products for hydrological modelling in Morocco. <i>Hydrological Sciences Journal</i> , 2016, 61, 2509-2519.	2.6	39
14	Recent Trend in Hydroclimatic Conditions in the Senegal River Basin. <i>Water (Switzerland)</i> , 2020, 12, 436.	2.7	39
15	Simulating past changes in the balance between water demand and availability and assessing their main drivers at the river basin scale. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 1263-1285.	4.9	35
16	Simulation of runoff in West Africa: Is there a single data-model combination that produces the best simulation results?. <i>Journal of Hydrology</i> , 2008, 354, 203-212.	5.4	34
17	Long-term monitoring of land cover changes based on Landsat imagery to improve hydrological modelling in West Africa. <i>International Journal of Remote Sensing</i> , 2008, 29, 3533-3551.	2.9	32
18	Future Climate Change Impacts on Streamflows of Two Main West Africa River Basins: Senegal and Gambia. <i>Hydrology</i> , 2018, 5, 21.	3.0	29

#	ARTICLE	IF	CITATIONS
19	Reducing structural uncertainty in conceptual hydrological modelling in the semi-arid Andes. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 2295-2314.	4.9	26
20	Hydrological Evaluation of TRMM Rainfall over the Upper Senegal River Basin. <i>Hydrology</i> , 2016, 3, 15.	3.0	26
21	Trend and Sensitivity Analysis of Reference Evapotranspiration in the Senegal River Basin Using NASA Meteorological Data. <i>Water (Switzerland)</i> , 2020, 12, 1957.	2.7	25
22	Transient modelling of lacustrine regressions: two case studies from the Andean Altiplano. <i>Hydrological Processes</i> , 2004, 18, 2395-2408.	2.6	23
23	The influence of distributed input data on the hydrological modelling of monthly river flow regimes in West Africa. <i>Hydrological Sciences Journal</i> , 2003, 48, 881-890.	2.6	21
24	Integrated modelling to assess long-term water supply capacity of a meso-scale Mediterranean catchment. <i>Science of the Total Environment</i> , 2013, 461-462, 528-540.	8.0	20
25	Apport de la modélisation pluie-débit pour la connaissance de la ressource en eau: application au haut Bassin du Fleuve Sénégal. <i>Climatologie</i> , 2012, 9, 109-125.	0.2	20
26	ADHI: the African Database of Hydrometric Indices (1950–2018). <i>Earth System Science Data</i> , 2021, 13, 1547-1560.	9.9	18
27	Baisse des pluies et augmentation des sécheresses au Sahel: impact climatique et anthropique sur les sécheresses du Nakambe au Burkina Faso. <i>Sécheresse</i> , 2010, 21, 330-332.	0.1	15
28	Using land cover changes and demographic data to improve hydrological modeling in the Sahel. <i>Hydrological Processes</i> , 2017, 31, 811-824.	2.6	15
29	Comparing available rainfall gridded datasets for West Africa and the impact on rainfall-runoff modelling results, the case of Burkina-Faso. <i>Water S A</i> , 2018, 34, 529.	0.4	15
30	Sustainability of water uses in managed hydrosystems: human- and climate-induced changes for the mid-21st century. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 3129-3147.	4.9	12
31	Caractérisation spatio-temporelle du régime pluviométrique du haut bassin du fleuve Sénégal dans un contexte de variabilité climatique. <i>Physio-Géo</i> , 2011, , 107-124.	0.4	12
32	Hydrological performance of the ERA5 reanalysis for flood modeling in Tunisia with the LISFLOOD and GR4J models. <i>Journal of Hydrology: Regional Studies</i> , 2022, 42, 101169.	2.4	12
33	Relations indices de végétation – Pluie au Burkina Faso: Cas du Bassin Versant du Nakambé / Relationship between Rainfall and Vegetation Indexes in Burkina Faso: A Case Study of the Nakambé Basin. <i>Hydrological Sciences Journal</i> , 2005, 50, .	2.6	10
34	Rainfall-runoff modelling of water resources in the upper Senegal River basin. <i>International Journal of Water Resources Development</i> , 2016, 32, 89-101.	2.0	8
35	Evaluation and Calibration of Alternative Methods for Estimating Reference Evapotranspiration in the Senegal River Basin. <i>Hydrology</i> , 2020, 7, 24.	3.0	8
36	Future trend and sensitivity analysis of evapotranspiration in the Senegal River Basin. <i>Journal of Hydrology: Regional Studies</i> , 2021, 35, 100820.	2.4	5

#	ARTICLE	IF	CITATIONS
37	Combining hydraulic model, hydrogeomorphological observations and chemical analyses of surface waters to improve knowledge on karst flash floods genesis. Proceedings of the International Association of Hydrological Sciences, 0, 369, 55-60.	1.0	5
38	Accounting for hydro-climatic and water use variability in the assessment of past and future water balance at the basin scale. Proceedings of the International Association of Hydrological Sciences, 0, 371, 43-48.	1.0	4
39	Reducing the gap between water demand and availability under climate and water use changes: assessing the effectiveness and robustness of adaptation. Houille Blanche, 2016, 102, 21-29.	0.3	3