

Alain Dezetter

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

1,489
citations

331642

21
h-index

330122

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

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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

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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