

Yves Trambly

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

74
papers

2,038
citations

25
h-index

43
g-index

116
ext. papers

2,670
ext. citations

4.1
avg, IF

5.4
L-index

#	Paper	IF	Citations
74	Assessment of initial soil moisture conditions for event-based rainfall-runoff modelling. <i>Journal of Hydrology</i> , 2010 , 387, 176-187	6	143
73	High-resolution Med-CORDEX regional climate model simulations for hydrological impact studies: a first evaluation of the ALADIN-Climate model in Morocco. <i>Hydrology and Earth System Sciences</i> , 2013 , 17, 3721-3739	5.5	94
72	Trends and variability in extreme precipitation indices over Maghreb countries. <i>Natural Hazards and Earth System Sciences</i> , 2013 , 13, 3235-3248	3.9	93
71	Climate change impacts on extreme precipitation in Morocco. <i>Global and Planetary Change</i> , 2012 , 82-83, 104-114	4.2	91
70	Evaluation of TRMM 3B42 V7 Rainfall Product over the Oum Er Rbia Watershed in Morocco. <i>Climate</i> , 2017 , 5, 1	3.1	84
69	Potential of soil moisture observations in flood modelling: Estimating initial conditions and correcting rainfall. <i>Advances in Water Resources</i> , 2014 , 74, 44-53	4.7	79
68	Non-stationary frequency analysis of heavy rainfall events in southern France. <i>Hydrological Sciences Journal</i> , 2013 , 58, 280-294	3.5	79
67	Challenges for drought assessment in the Mediterranean region under future climate scenarios. <i>Earth-Science Reviews</i> , 2020 , 210, 103348	10.2	79
66	Climate change vulnerability, water resources and social implications in North Africa. <i>Regional Environmental Change</i> , 2020 , 20, 1	4.3	76
65	Estimation of antecedent wetness conditions for flood modelling in northern Morocco. <i>Hydrology and Earth System Sciences</i> , 2012 , 16, 4375-4386	5.5	67
64	Remote Sensing of Water Resources in Semi-Arid Mediterranean Areas: the joint international laboratory TREMA. <i>International Journal of Remote Sensing</i> , 2015 , 36, 4879-4917	3.1	59
63	Evaluating the robustness of conceptual rainfall-runoff models under climate variability in northern Tunisia. <i>Journal of Hydrology</i> , 2017 , 550, 201-217	6	57
62	Impact of rainfall spatial distribution on rainfall-runoff modelling efficiency and initial soil moisture conditions estimation. <i>Natural Hazards and Earth System Sciences</i> , 2011 , 11, 157-170	3.9	54
61	Future evolution of extreme precipitation in the Mediterranean. <i>Climatic Change</i> , 2018 , 151, 289-302	4.5	53
60	Climate change impacts on surface water resources in the Rheraya catchment (High Atlas, Morocco). <i>Hydrological Sciences Journal</i> , 2017 , 62, 979-995	3.5	51
59	Trends in indices of daily temperature and precipitations extremes in Morocco. <i>Theoretical and Applied Climatology</i> , 2016 , 124, 959-972	3	49
58	Regional downscaling of Mediterranean droughts under past and future climatic conditions. <i>Global and Planetary Change</i> , 2017 , 151, 36-48	4.2	48

57	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	4.9	38
56	Regional estimation of extreme suspended sediment concentrations using watershed characteristics. <i>Journal of Hydrology</i> , 2010 , 380, 305-317	6	37
55	Regional impacts of global change: seasonal trends in extreme rainfall, run-off and temperature in two contrasting regions of Morocco. <i>Natural Hazards and Earth System Sciences</i> , 2016 , 16, 1079-1090	3.9	32
54	Flood risk under future climate in data sparse regions: Linking extreme value models and flood generating processes. <i>Journal of Hydrology</i> , 2014 , 519, 549-558	6	31
53	Future Scenarios of Surface Water Resources Availability in North African Dams. <i>Water Resources Management</i> , 2018 , 32, 1291-1306	3.7	30
52	Frequency analysis of maximum annual suspended sediment concentrations in North America / Analyse fréquentielle des maximums annuels de concentration en sédiments en suspension en Amérique du Nord. <i>Hydrological Sciences Journal</i> , 2008 , 53, 236-252	3.5	30
51	Extreme value modelling of daily areal rainfall over Mediterranean catchments in a changing climate. <i>Hydrological Processes</i> , 2012 , 26, 3934-3944	3.3	29
50	Projected changes in temperature and precipitation indices in Morocco from high-resolution regional climate models. <i>International Journal of Climatology</i> , 2017 , 37, 4846-4863	3.5	26
49	A New 60-year 1940/1999 Monthly-Gridded Rainfall Data Set for Africa. <i>Water (Switzerland)</i> , 2019 , 11, 387	3	23
48	Comparison of downscaling methods for mean and extreme precipitation in Senegal. <i>Journal of Hydrology: Regional Studies</i> , 2015 , 4, 369-385	3.6	23
47	Evolution of Mediterranean extreme dry spells during the wet season under climate change. <i>Regional Environmental Change</i> , 2019 , 19, 2339-2351	4.3	23
46	Long-term variability and trends in meteorological droughts in Western Europe (1851-2018). <i>International Journal of Climatology</i> , 2021 , 41, E690	3.5	23
45	Modelling extreme dry spells in the Mediterranean region in connection with atmospheric circulation. <i>Atmospheric Research</i> , 2018 , 202, 40-48	5.4	21
44	Evaluation of satellite-based rainfall products for hydrological modelling in Morocco. <i>Hydrological Sciences Journal</i> , 2016 , 61, 2509-2519	3.5	20
43	Comparison of modeling approaches for flood forecasting in the High Atlas Mountains of Morocco. <i>Arabian Journal of Geosciences</i> , 2018 , 11, 1	1.8	19
42	Long-term precipitation in Southwestern Europe reveals no clear trend attributable to anthropogenic forcing. <i>Environmental Research Letters</i> , 2020 , 15, 094070	6.2	19
41	Detection and attribution of flood trends in Mediterranean basins. <i>Hydrology and Earth System Sciences</i> , 2019 , 23, 4419-4431	5.5	19
40	Mapping Flood-Related Mortality in the Mediterranean Basin. Results from the MEFF v2.0 DB. <i>Water (Switzerland)</i> , 2019 , 11, 2196	3	18

39	Estimation of local extreme suspended sediment concentrations in California Rivers. <i>Science of the Total Environment</i> , 2010 , 408, 4221-9	10.2	17
38	Trends in flow intermittence for European rivers. <i>Hydrological Sciences Journal</i> , 2021 , 66, 37-49	3.5	17
37	Seasonal precipitation variability in regional climate simulations over Northern basins of Tunisia. <i>International Journal of Climatology</i> , 2014 , 34, 235-248	3.5	16
36	Dynamique et modélisation des crues dans le bassin du Mono (Nangbto (Togo/Bénin)). <i>Hydrological Sciences Journal</i> , 2014 , 59, 2060-2071	3.5	16
35	Regional flood frequency analysis in the High Atlas mountainous catchments of Morocco. <i>Natural Hazards</i> , 2017 , 86, 953-967	3	15
34	A bootstrap-based differential split-sample test to assess the transferability of conceptual rainfall-runoff models under past and future climate variability. <i>Journal of Hydrology</i> , 2019 , 575, 470-486 ⁶		15
33	Trends in rainfall and temperature extremes in Morocco		14
32	Spatiotemporal characterization of current and future droughts in the High Atlas basins (Morocco). <i>Theoretical and Applied Climatology</i> , 2019 , 135, 593-605	3	14
31	Observed changes in flood hazard in Africa. <i>Environmental Research Letters</i> , 2020 , 15, 1040b5	6.2	13
30	Evaluation of the GPM-IMERG Precipitation Product for Flood Modeling in a Semi-Arid Mountainous Basin in Morocco. <i>Water (Switzerland)</i> , 2020 , 12, 2516	3	13
29	Brief communication "Climatic covariates for the frequency analysis of heavy rainfall in the Mediterranean region". <i>Natural Hazards and Earth System Sciences</i> , 2011 , 11, 2463-2468	3.9	12
28	Impact of the dry-day definition on Mediterranean extreme dry-spell analysis. <i>Natural Hazards and Earth System Sciences</i> , 2019 , 19, 1629-1638	3.9	11
27	Atmospheric Predictors for Annual Maximum Precipitation in North Africa. <i>Journal of Applied Meteorology and Climatology</i> , 2016 , 55, 1063-1076	2.7	10
26	Assessing uncertainties in climate change impacts on runoff in Western Mediterranean basins. <i>Proceedings of the International Association of Hydrological Sciences</i> , 371 , 75-81		9
25	Résultats du projet ExtraFlo (ANR 2009-2013) sur l'estimation des pluies et crues extrêmes. <i>Houille Blanche</i> , 2014 , 5-13	0.3	9
24	Linkages between snow cover, temperature and rainfall and the North Atlantic Oscillation over Morocco. <i>Climate Research</i> , 2016 , 69, 229-238	1.6	8
23	Evaluation of the Drivers Responsible for Flooding in Africa. <i>Water Resources Research</i> , 2021 , 57, e2021WR029595	11.4	8
22	Convection-permitting modeling with regional climate models: Latest developments and next steps. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2021 , 12, e731	8.4	8

21	Comparison of SCS and Green-Ampt Distributed Models for Flood Modelling in a Small Cultivated Catchment in Senegal. <i>Geosciences (Switzerland)</i> , 2018 , 8, 122	2.7	7
20	Evolution des précipitations extrêmes en France en contexte de changement climatique. <i>Houille Blanche</i> , 2015 , 101, 27-33	0.3	7
19	Validation of the AROME, ALADIN and WRF Meteorological Models for Flood Forecasting in Morocco. <i>Water (Switzerland)</i> , 2020 , 12, 437	3	6
18	Hydrological Modeling in Northern Tunisia with Regional Climate Model Outputs: Performance Evaluation and Bias-Correction in Present Climate Conditions. <i>Climate</i> , 2015 , 3, 459-473	3.1	6
17	Estimation of antecedent wetness conditions for flood modelling in Northern Morocco		5
16	Assessment of the relative impacts of climate changes and anthropogenic forcing on spring discharge of a Mediterranean karst system. <i>Journal of Hydrology</i> , 2021 , 598, 126396	6	5
15	The SAFRAN daily gridded precipitation product in Tunisia (1979-2015). <i>International Journal of Climatology</i> , 2019 , 39, 5830-5838	3.5	4
14	A spatial and integrated flood risk diagnosis. <i>Disaster Prevention and Management</i> , 2019 , 28, 548-564	1.5	4
13	Sub-chapter 2.3.1. Hydrological impacts of climate change in North African countries 2016 , 295-302		4
12	Challenges in flood modeling over data-scarce regions: how to exploit globally available soil moisture products to estimate antecedent soil wetness conditions in Morocco. <i>Natural Hazards and Earth System Sciences</i> , 2020 , 20, 2591-2607	3.9	4
11	ADHI: the African Database of Hydrometric Indices (1950-2018). <i>Earth System Science Data</i> , 2021 , 13, 1547-1560	10.5	4
10	Modeling the response of soil moisture to climate variability in the Mediterranean region. <i>Hydrology and Earth System Sciences</i> , 2021 , 25, 653-669	5.5	4
9	The impact of soil moisture on precipitation downscaling in the Euro-Mediterranean area. <i>Climate Dynamics</i> , 2019 , 52, 2869-2884	4.2	3
8	High-resolution Med-CORDEX regional climate model simulations for hydrological impact studies: a first evaluation in Morocco		3
7	Trends and variability in extreme precipitation indices over Maghreb countries		2
6	Present and Future High-Resolution Climate Forcings over Semiarid Catchments: Case of the Tensift (Morocco). <i>Atmosphere</i> , 2021 , 12, 370	2.7	2
5	Estimating soil moisture conditions for drought monitoring with random forests and a simple soil moisture accounting scheme. <i>Natural Hazards and Earth System Sciences</i> , 2022 , 22, 1325-1334	3.9	2
4	Snow hydrology in the Moroccan Atlas Mountains. <i>Journal of Hydrology: Regional Studies</i> , 2022 , 42, 101106	0.6	2

3	Exploring the Spatio-Temporal Variability of Precipitation over the Medjerda Transboundary Basin in North Africa. <i>Water (Switzerland)</i> , 2022 , 14, 423	3	○
2	A general differential split-sample test to select sub-periods of discontinuous years gathering similar to different climate conditions. <i>MethodsX</i> , 2020 , 7, 101008	1.9	○
1	Impacts du changement climatique sur les pluies intenses et les crues en Méditerranée. <i>LHB Hydroscience Journal</i> , 2021 , 107, 1-5		○