Sandrine Anquetin

List of Publications by Year
in descending order

60 papers	2,877 citations	201385 27 h-index	174990 52 g-index
73 all docs	73 docs citations	73 times ranked	2843 citing authors

#	Article	IF	Citations
1	Influence of initial soil moisture in a regional climate model study over West Africa â€“ PartÂ1: Impact on the climate mean. Hydrology and Earth System Sciences, 2022, 26, 711-730.	1.9	3
2	Influence of initial soil moisture in a regional climate model study over West Africa â€“ PartÂ2: Impact on the climate extremes. Hydrology and Earth System Sciences, 2022, 26, 731-754.	1.9	4
3	Geo-historical database of flood impacts in Alpine catchments (HIFAVa database, Arve River, France,) Tj ETQq1 1 0.784314 rgBT /Over	1.5	1
4	A CMIP6 assessment of the potential climate change impacts on solar photovoltaic energy and its atmospheric drivers in West Africa. Environmental Research Letters, 2022, 17, 044016.	2.2	18
5	Twentieth century temperature and snow cover changes in the French Alps. Regional Environmental Change, 2021, 21, 1.	1.4	9
6	Cloudiness Information Services for Solar Energy Management in West Africa. Atmosphere, 2020, 11, 857.	1.0	6
7	Contrasting seasonal changes in total and intense precipitation in the European Alps fromÂ1903 toÂ2010. Hydrology and Earth System Sciences, 2020, 24, 5355-5377.	1.9	25
8	Daytime low-level clouds in West Africa â€“ occurrence, associated drivers, and shortwave radiation attenuation. Earth System Dynamics, 2020, 11, 1133-1152.	2.7	6
9	Climate, Land Use and Land Cover Changes in the Bandama Basin (CÃ´te Dâ€™Ivoire, West Africa) and Incidences on Hydropower Production of the Kossou Dam. Land, 2019, 8, 103.	1.2	9
10	Spatioâ€temporal variability of cloud cover types in West Africa with satelliteâ€based and reanalysis data. Quarterly Journal of the Royal Meteorological Society, 2019, 145, 3715-3731.	1.0	22
11	Is Precipitation the Main Trigger of Medium-Magnitude Floods in Large Alpine Catchments?. Water (Switzerland), 2019, 11, 2507.	1.2	3
12	Potential impact of climate change on solar resource in Africa for photovoltaic energy: analyses from CORDEX-AFRICA climate experiments. Environmental Research Letters, 2019, 14, 124039.	2.2	40
13	Sustainable Hydroelectric Dam Management in the Context of Climate Change: Case of the Taabo Dam in CÃ´te Dâ€™Ivoire, West Africa. Sustainability, 2019, 11, 4846.	1.6	6
14	Toward Probabilistic Prediction of Flash Flood Human Impacts. Risk Analysis, 2019, 39, 140-161.	1.5	48
15	Sensitivity study of the regional climate model RegCM4 to different convective schemes over West Africa. Earth System Dynamics, 2018, 9, 1261-1278.	2.7	20
16	Assessment of Spatio-Temporal Changes of Land Use and Land Cover over South-Western African Basins and Their Relations with Variations of Discharges. Hydrology, 2018, 5, 56.	1.3	21
17	The Challenges of Flash Flood Forecasting. , 2018, , 63-88.		7
18	High-impact Weather Events: Is a Socio-hydrometeorological Characterization Possible?. , 2018, , 89-111.		0

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19	Exposure to Flash Floods: The Conflict Between Human Mobility and Water Mobility. , 2018, , 211-240.		1
20	Atmospheric analogues for physically consistent scenarios of surface weather in Europe and Maghreb. International Journal of Climatology, 2017, 37, 2160-2176.	1.5	21
21	A Situation-Based Analysis of Flash Flood Fatalities in the United States. Bulletin of the American Meteorological Society, 2017, 98, 333-345.	1.7	83
22	MobRISK: a model for assessing the exposure of road users to flash flood events. Natural Hazards and Earth System Sciences, 2017, 17, 1631-1651.	1.5	22
23	Investigating the role of geology in the hydrological response of Mediterranean catchments prone to flash-floods: Regional modelling study and process understanding. Journal of Hydrology, 2016, 541, 158-172.	2.3	23
24	Modeling flash floods in southern France for road management purposes. Journal of Hydrology, 2016, 541, 190-205.	2.3	22
25	Impacts of orography and rain intensity on rainfall structure. The case of the <scp>HyMeX IOP7a</scp> event. Quarterly Journal of the Royal Meteorological Society, 2016, 142, 310-319.	1.0	35
26	A dynamic runoff co-efficient to improve flash flood early warning in Europe: evaluation on the 2013 central European floods in Germany. Meteorological Applications, 2015, 22, 410-418.	0.9	49
27	Dynamic vulnerability factors for impact-based flash flood prediction. Natural Hazards, 2015, 79, 1481-1497.	1.6	85
28	Multi-scale hydrometeorological observation and modelling for flash flood understanding. Hydrology and Earth System Sciences, 2014, 18, 3733-3761.	1.9	61
29	Social and Hydrological Responses to Extreme Precipitations: An Interdisciplinary Strategy for Postflood Investigation. Weather, Climate, and Society, 2014, 6, 135-153.	0.5	66
30	Integrating hydropower and intermittent climateâ€related renewable energies: a call for hydrology. Hydrological Processes, 2014, 28, 5465-5468.	1.1	38
31	Regional estimation of catchment-scale soil properties by means of streamflow recession analysis for use in distributed hydrological models. Hydrological Processes, 2014, 28, 6276-6291.	1.1	36
32	Rainfall Regime of a Mountainous Mediterranean Region: Statistical Analysis at Short Time Steps. Journal of Applied Meteorology and Climatology, 2012, 51, 429-448.	0.6	40
33	Multiscale Evaluation of Extreme Rainfall Event Predictions Using Severity Diagrams. Weather and Forecasting, 2012, 27, 174-188.	0.5	18
34	Toward a Spaceâ€“Time Framework for Integrated Water and Society Studies. Bulletin of the American Meteorological Society, 2012, 93, ES89-ES91.	1.7	8
35	Long-term observations of turbulent fluxes over heterogeneous vegetation using scintillometry and additional observations: A contribution to AMMA under Sudano-Sahelian climate. Agricultural and Forest Meteorology, 2012, 154-155, 84-98.	1.9	26
36	Evaluation of classical spatial-analysis schemes of extreme rainfall. Natural Hazards and Earth System Sciences, 2012, 12, 3229-3240.	1.5	28

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37	The Contribution of Orographically Driven Banded Precipitation to the Rainfall Climatology of a Mediterranean Region. Journal of Applied Meteorology and Climatology, 2011, 50, 2235-2246.	0.6	19
38	The use of distributed hydrological models for the Gard 2002 flash flood event: Analysis of associated hydrological processes. Journal of Hydrology, 2010, 394, 162-181.	2.3	70
39	Sensitivity of the hydrological response to the variability of rainfall fields and soils for the Gard 2002 flash-flood event. Journal of Hydrology, 2010, 394, 134-147.	2.3	68
40	Towards multi-scale integrated hydrological models using the LIQUIDÂ® framework. Overview of the concepts and first application examples. Environmental Modelling and Software, 2010, 25, 1672-1681.	1.9	41
41	Coupling the ISBA Land Surface Model and the TOPMODEL Hydrological Model for Mediterranean Flash-Flood Forecasting: Description, Calibration, and Validation. Journal of Hydrometeorology, 2010, 11, 315-333.	0.7	42
42	A modeling approach to assess the hydrological response of small mediterranean catchments to the variability of soil characteristics in a context of extreme events. Hydrology and Earth System Sciences, 2009, 13, 79-97.	1.9	47
43	Combined analysis of energy and water balances to estimate latent heat flux of a sudanian small catchment. Journal of Hydrology, 2009, 375, 227-240.	2.3	59
44	Hydrometeorological modelling for flash flood areas: the case of the 2002 Gard event in France. Journal of Flood Risk Management, 2009, 2, 101-110.	1.6	13
45	Flash flood forecasting within the PREVIEW project: value of high-resolution hydrometeorological coupled forecast. Meteorology and Atmospheric Physics, 2009, 103, 115-125.	0.9	16
46	Rainfall regimes associated with banded convection in the CÃ©vennes-Vivarais area. Meteorology and Atmospheric Physics, 2009, 103, 25-34.	0.9	10
47	Human exposure to flash floods â€“ Relation between flood parameters and human vulnerability during a storm of September 2002 in Southern France. Journal of Hydrology, 2008, 361, 199-213.	2.3	153
48	Flash flood warning based on rainfall thresholds and soil moisture conditions: An assessment for gauged and ungauged basins. Journal of Hydrology, 2008, 362, 274-290.	2.3	299
49	The benefit of high-resolution operational weather forecasts for flash flood warning. Hydrology and Earth System Sciences, 2008, 12, 1039-1051.	1.9	71
50	Human vulnerability to flash floods. , 2008, , 1005-1012.		11
51	A Scale-Dependent Quality Index of Areal Rainfall Prediction. Journal of Hydrometeorology, 2007, 8, 160-170.	0.7	3
52	Point and areal validation of forecast precipitation fields. Meteorological Applications, 2006, 13, 1.	0.9	29
53	The Catastrophic Flash-Flood Event of 8â€“9 September 2002 in the Gard Region, France: A First Case Study for the CÃ©vennesâ€“Vivarais Mediterranean Hydrometeorological Observatory. Journal of Hydrometeorology, 2005, 6, 34-52.	0.7	333
54	Lâ€™Ã©vÃ©nement des 8-9 septembre 2002Â: situation mÃ©tÃ©orologique et simulation a mÃ©soÃ©chelle. Houille Blanche, 2004, 90, 86-92.	0.3	11

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55	Numerical simulation of orographic rainbands. Journal of Geophysical Research, 2003, 108, .	3.3	33
56	Geostatistical Analysis of Orographic Rainbands. Journal of Applied Meteorology and Climatology, 2001, 40, 1835-1854.	1.7	53
57	Thermal valley inversion impact on the dispersion of a passive pollutant in a complex mountainous area. Atmospheric Environment, 1999, 33, 3953-3959.	1.9	38
58	The Formation and Destruction of Inversion Layers within a Deep Valley. Journal of Applied Meteorology and Climatology, 1998, 37, 1547-1560.	1.7	51
59	Pollutant dispersion and thermal effects in urban street canyons. Atmospheric Environment, 1996, 30, 2659-2677.	1.9	490
60	Potential changes in temperature extreme events under global warming at 1.5Â°C and 2Â°C over CÃ´te dâ€™Ivoire. , 0, , .		2