Emily Black

List of Publications by Year
in descending order

69 papers	4,252 citations	136950 32 h-index	114465 63 g-index
74 all docs	74 docs citations	74 times ranked	4927 citing authors

#	Article	IF	Citations
1	Towards drought impact-based forecasting in a multi-hazard context. Climate Risk Management, 2022, 35, 100402.	3.2	5
2	Subseasonal prediction performance for South American landâ€“atmosphere coupling in extended austral summer. Climate Resilience and Sustainability, 2022, 1, .	2.3	4
3	Consistent Trends in Dry Spell Length in Recent Observations and Future Projections. Geophysical Research Letters, 2022, 49, .	4.0	12
4	Time of emergence of impacts of climate change on groundwater levels in sub-Saharan Africa. Journal of Hydrology, 2022, 612, 128107.	5.4	4
5	Extreme rainfall in East Africa, October 2019â€“January 2020 and context under future climate change. Weather, 2021, 76, 26-31.	0.7	100
6	Phenological tracking of a seasonal climate window in a recovering tropical island bird species. Climatic Change, 2021, 164, 1.	3.6	4
7	Subseasonal Precipitation Prediction for Africa: Forecast Evaluation and Sources of Predictability. Weather and Forecasting, 2021, 36, 265-284.	1.4	35
8	Future Changes in Seasonality in East Africa from Regional Simulations with Explicit and Parameterized Convection. Journal of Climate, 2021, 34, 1367-1385.	3.2	17
9	Future Changes in Wet and Dry Season Characteristics in CMIP5 and CMIP6 simulations. Journal of Hydrometeorology, 2021, , .	1.9	20
10	Cocoa plant productivity in West Africa under climate change: a modelling and experimental study. Environmental Research Letters, 2021, 16, 014009.	5.2	10
11	Evaluation and validation of TAMSAT<scp>â€ALERT</scp> soil moisture and WRSI for use in drought anticipatory action. Meteorological Applications, 2020, 27, e1959.	2.1	17
12	The spatial correlation structure of rainfall at the local scale over southern Ghana. Journal of Hydrology: Regional Studies, 2020, 31, 100720.	2.4	5
13	In Situ Observations and Lumped Parameter Model Reconstructions Reveal Intraâ€Annual to Multidecadal Variability in Groundwater Levels in Subâ€Saharan Africa. Water Resources Research, 2020, 56, e2020WR028056.	4.2	20
14	Influence of sun zenith angle on canopy clumping and the resulting impacts on photosynthesis. Agricultural and Forest Meteorology, 2020, 291, 108065.	4.8	24
15	Optimal spatial scales for seasonal forecasts over Africa. Environmental Research Letters, 2020, 15, 094023.	5.2	5
16	FlipTest. , 2020, , .		29
17	TAMSAT. Advances in Global Change Research, 2020, , 393-408.	1.6	3
18	Underestimation of Global Photosynthesis in Earth System Models Due to Representation of Vegetation Structure. Global Biogeochemical Cycles, 2019, 33, 1358-1369.	4.9	34

#	Article	IF	Citations
19	Groundwater and resilience to drought in the Ethiopian highlands. Environmental Research Letters, 2019, 14, 095003.	5.2	41
20	â€˜Eastern African Paradoxâ€™ rainfall decline due to shorter not less intense Long Rains. Npj Climate and Atmospheric Science, 2019, 2, .	6.8	83
21	The impact of airâ€“sea coupling and ocean biases on the seasonal cycle of southern West African precipitation. Climate Dynamics, 2019, 53, 7027-7044.	3.8	4
22	TAMSAT-ALERT v1: a new framework for agricultural decision support. Geoscientific Model Development, 2018, 11, 2353-2371.	3.6	19
23	Impact of remotely sensed soil moisture and precipitation on soil moisture prediction in a data assimilation system with the JULES land surface model. Hydrology and Earth System Sciences, 2018, 22, 2575-2588.	4.9	32
24	Later Wet Seasons with More Intense Rainfall over Africa under Future Climate Change. Journal of Climate, 2018, 31, 9719-9738.	3.2	141
25	Spatioâ€temporal variability of warm rain events over southern West Africa from geostationary satellite observations for climate monitoring and model evaluation. Quarterly Journal of the Royal Meteorological Society, 2018, 144, 2311-2330.	2.7	8
26	A new, long-term daily satellite-based rainfall dataset for operational monitoring in Africa. Scientific Data, 2017, 4, 170063.	5.3	133
27	Monitoring drought in Ghana using TAMSATâ€ALERT: a new decision support system. Weather, 2017, 72, 201-205.	0.7	12
28	Identification of deficiencies in seasonal rainfall simulated by CMIP5 climate models. Environmental Research Letters, 2017, 12, 114001.	5.2	33
29	The Use of Remotely Sensed Rainfall for Managing Drought Risk: A Case Study of Weather Index Insurance in Zambia. Remote Sensing, 2016, 8, 342.	4.0	36
30	Incorporating Satellite Data Into Weather Index Insurance. Bulletin of the American Meteorological Society, 2016, 97, ES203-ES206.	3.3	17
31	Detection and attribution of human influence on regional precipitation. Nature Climate Change, 2016, 6, 669-675.	18.8	89
32	A Review of Drought in the Middle East and Southwest Asia. Journal of Climate, 2016, 29, 8547-8574.	3.2	163
33	Challenges in Quantifying Changes in the Global Water Cycle. Bulletin of the American Meteorological Society, 2015, 96, 1097-1115.	3.3	212
34	Recent observed and simulated changes in precipitation over Africa. Geophysical Research Letters, 2015, 42, 8155-8164.	4.0	189
35	Extratropical cyclones and the projected decline of winter Mediterranean precipitation in the CMIP5 models. Climate Dynamics, 2015, 45, 1727-1738.	3.8	88
36	Extension of the TAMSAT Satellite-Based Rainfall Monitoring over Africa and from 1983 to Present. Journal of Applied Meteorology and Climatology, 2014, 53, 2805-2822.	1.5	181

#	Article	IF	Citations
37	The 30 year TAMSAT African Rainfall Climatology And Time series (TARCAT) data set. Journal of Geophysical Research D: Atmospheres, 2014, 119, 10,619.	3.3	178
38	Dynamic Hydrological Modeling in Drylands with TRMM Based Rainfall. Remote Sensing, 2013, 5, 6691-6716.	4.0	19
39	Cultivating C4 crops in a changing climate: sugarcane in Ghana. Environmental Research Letters, 2012, 7, 044027.	5.2	15
40	Fingerprints of changes in annual and seasonal precipitation from CMIP5 models over land and ocean. Geophysical Research Letters, 2012, 39, .	4.0	42
41	The influence of the North Atlantic Oscillation and European circulation regimes on the daily to interannual variability of winter precipitation in Israel. International Journal of Climatology, 2012, 32, 1654-1664.	3.5	45
42	Teleconnections between Ethiopian summer rainfall and sea surface temperature: part Iâ€”observation and modelling. Climate Dynamics, 2011, 37, 103-119.	3.8	120
43	Teleconnections between Ethiopian summer rainfall and sea surface temperature: part II. Seasonal forecasting. Climate Dynamics, 2011, 37, 121-131.	3.8	56
44	Understanding the Large Scale Driving Mechanisms of Rainfall Variability over Central Africa. Advances in Global Change Research, 2011, , 101-122.	1.6	41
45	Large Scale Features Affecting Ethiopian Rainfall. Advances in Global Change Research, 2011, , 13-50.	1.6	21
46	Evidence for longâ€term regional changes in precipitation on the East Coast Mountains in Mauritius. International Journal of Climatology, 2010, 30, 1164-1177.	3.5	21
47	A model-based assessment of the effects of projected climate change on the water resources of Jordan. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2010, 368, 5151-5172.	3.4	9
48	Some physical drivers of changes in the winter storm tracks over the North Atlantic and Mediterranean during the Holocene. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2010, 368, 5185-5223.	3.4	46
49	Water and society: past, present and future. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2010, 368, 5107-5110.	3.4	2
50	Past, present and future precipitation in the Middle East: insights from models and observations. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2010, 368, 5173-5184.	3.4	46
51	Water and society in Jordan and Israel today: an introductory overview. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2010, 368, 5111-5116.	3.4	2
52	Evaluation of reanalysis rainfall estimates over Ethiopia. International Journal of Climatology, 2009, 29, 67-78.	3.5	75
53	The impact of climate change on daily precipitation statistics in Jordan and Israel. Atmospheric Science Letters, 2009, 10, 192-200.	1.9	70
54	Seasonal forecasting of Ethiopian spring rains. Meteorological Applications, 2008, 15, 73-83.	2.1	63

#	Article	IF	Citations
55	The influence of oceanic conditions on the hot European summer of 2003. Climate Dynamics, 2006, 28, 53-66.	3.8	55
56	The seasonal forecast of electricity demand: a hierarchical Bayesian model with climatological weather generator. Applied Stochastic Models in Business and Industry, 2006, 22, 113-125.	1.5	15
57	African Climate Change: Taking the Shorter Route. Bulletin of the American Meteorological Society, 2006, 87, 1355-1366.	3.3	205
58	Indian Ocean Climate and Dipole Variability in Hadley Centre Coupled GCMs. Journal of Climate, 2005, 18, 2286-2307.	3.2	35
59	The relationship between Indian Ocean seaâ€“surface temperature and East African rainfall. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2005, 363, 43-47.	3.4	110
60	The meteorology of the Western Indian Ocean, and the influence of the East African Highlands. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2005, 363, 25-42.	3.4	81
61	Factors contributing to the summer 2003 European heatwave. Weather, 2004, 59, 217-223.	0.7	454
62	Seasonal forecasting of the Ethiopian summer rains. International Journal of Climatology, 2004, 24, 1345-1358.	3.5	198
63	An Observational Study of the Relationship between Excessively Strong Short Rains in Coastal East Africa and Indian Ocean SST. Monthly Weather Review, 2003, 131, 74-94.	1.4	372
64	The present-day climate of the Middle East. , 0, , 13-24.		1
65	Past climates of the Middle East. , 0, , 25-50.		4
66	Connecting climate and hydrological models for impacts studies. , 0, , 63-68.		0
67	Using proxy data, historical climate data and climate models to investigate aridification during the Holocene. , 0, , 105-112.		1
68	Modelling Dead Sea levels and rainfall: past, present and future. , 0, , 147-156.		0
69	Exploiting Satellite-Based Rainfall for Weather Index Insurance: The Challenges of Spatial and Temporal Aggregation. , 0, , .		4