

Emily Black

List of Publications by Year in descending order

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Version: 2024-02-01

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	Factors contributing to the summer 2003 European heatwave. <i>Weather</i> , 2004, 59, 217-223.	0.7	454
2	An Observational Study of the Relationship between Excessively Strong Short Rains in Coastal East Africa and Indian Ocean SST. <i>Monthly Weather Review</i> , 2003, 131, 74-94.	1.4	372
3	Challenges in Quantifying Changes in the Global Water Cycle. <i>Bulletin of the American Meteorological Society</i> , 2015, 96, 1097-1115.	3.3	212
4	African Climate Change: Taking the Shorter Route. <i>Bulletin of the American Meteorological Society</i> , 2006, 87, 1355-1366.	3.3	205
5	Seasonal forecasting of the Ethiopian summer rains. <i>International Journal of Climatology</i> , 2004, 24, 1345-1358.	3.5	198
6	Recent observed and simulated changes in precipitation over Africa. <i>Geophysical Research Letters</i> , 2015, 42, 8155-8164.	4.0	189
7	Extension of the TAMSAT Satellite-Based Rainfall Monitoring over Africa and from 1983 to Present. <i>Journal of Applied Meteorology and Climatology</i> , 2014, 53, 2805-2822.	1.5	181
8	The 30 year TAMSAT African Rainfall Climatology And Time series (TARCAT) data set. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 10,619.	3.3	178
9	A Review of Drought in the Middle East and Southwest Asia. <i>Journal of Climate</i> , 2016, 29, 8547-8574.	3.2	163
10	Later Wet Seasons with More Intense Rainfall over Africa under Future Climate Change. <i>Journal of Climate</i> , 2018, 31, 9719-9738.	3.2	141
11	A new, long-term daily satellite-based rainfall dataset for operational monitoring in Africa. <i>Scientific Data</i> , 2017, 4, 170063.	5.3	133
12	Teleconnections between Ethiopian summer rainfall and sea surface temperature: part I—observation and modelling. <i>Climate Dynamics</i> , 2011, 37, 103-119.	3.8	120
13	The relationship between Indian Ocean sea surface temperature and East African rainfall. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2005, 363, 43-47.	3.4	110
14	Extreme rainfall in East Africa, October 2019—January 2020 and context under future climate change. <i>Weather</i> , 2021, 76, 26-31.	0.7	100
15	Detection and attribution of human influence on regional precipitation. <i>Nature Climate Change</i> , 2016, 6, 669-675.	18.8	89
16	Extratropical cyclones and the projected decline of winter Mediterranean precipitation in the CMIP5 models. <i>Climate Dynamics</i> , 2015, 45, 1727-1738.	3.8	88
17	“Eastern African Paradox” rainfall decline due to shorter not less intense Long Rains. <i>Npj Climate and Atmospheric Science</i> , 2019, 2, .	6.8	83
18	The meteorology of the Western Indian Ocean, and the influence of the East African Highlands. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2005, 363, 25-42.	3.4	81

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19	Evaluation of reanalysis rainfall estimates over Ethiopia. <i>International Journal of Climatology</i> , 2009, 29, 67-78.	3.5	75
20	The impact of climate change on daily precipitation statistics in Jordan and Israel. <i>Atmospheric Science Letters</i> , 2009, 10, 192-200.	1.9	70
21	Seasonal forecasting of Ethiopian spring rains. <i>Meteorological Applications</i> , 2008, 15, 73-83.	2.1	63
22	Teleconnections between Ethiopian summer rainfall and sea surface temperature: part II. Seasonal forecasting. <i>Climate Dynamics</i> , 2011, 37, 121-131.	3.8	56
23	The influence of oceanic conditions on the hot European summer of 2003. <i>Climate Dynamics</i> , 2006, 28, 53-66.	3.8	55
24	Some physical drivers of changes in the winter storm tracks over the North Atlantic and Mediterranean during the Holocene. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010, 368, 5185-5223.	3.4	46
25	Past, present and future precipitation in the Middle East: insights from models and observations. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010, 368, 5173-5184.	3.4	46
26	The influence of the North Atlantic Oscillation and European circulation regimes on the daily to interannual variability of winter precipitation in Israel. <i>International Journal of Climatology</i> , 2012, 32, 1654-1664.	3.5	45
27	Fingerprints of changes in annual and seasonal precipitation from CMIP5 models over land and ocean. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	42
28	Understanding the Large Scale Driving Mechanisms of Rainfall Variability over Central Africa. <i>Advances in Global Change Research</i> , 2011, , 101-122.	1.6	41
29	Groundwater and resilience to drought in the Ethiopian highlands. <i>Environmental Research Letters</i> , 2019, 14, 095003.	5.2	41
30	The Use of Remotely Sensed Rainfall for Managing Drought Risk: A Case Study of Weather Index Insurance in Zambia. <i>Remote Sensing</i> , 2016, 8, 342.	4.0	36
31	Indian Ocean Climate and Dipole Variability in Hadley Centre Coupled GCMs. <i>Journal of Climate</i> , 2005, 18, 2286-2307.	3.2	35
32	Subseasonal Precipitation Prediction for Africa: Forecast Evaluation and Sources of Predictability. <i>Weather and Forecasting</i> , 2021, 36, 265-284.	1.4	35
33	Underestimation of Global Photosynthesis in Earth System Models Due to Representation of Vegetation Structure. <i>Global Biogeochemical Cycles</i> , 2019, 33, 1358-1369.	4.9	34
34	Identification of deficiencies in seasonal rainfall simulated by CMIP5 climate models. <i>Environmental Research Letters</i> , 2017, 12, 114001.	5.2	33
35	Impact of remotely sensed soil moisture and precipitation on soil moisture prediction in a data assimilation system with the JULES land surface model. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 2575-2588.	4.9	32
36	FlipTest. , 2020, , .		29

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37	Influence of sun zenith angle on canopy clumping and the resulting impacts on photosynthesis. <i>Agricultural and Forest Meteorology</i> , 2020, 291, 108065.	4.8	24
38	Evidence for long-term regional changes in precipitation on the East Coast Mountains in Mauritius. <i>International Journal of Climatology</i> , 2010, 30, 1164-1177.	3.5	21
39	Large Scale Features Affecting Ethiopian Rainfall. <i>Advances in Global Change Research</i> , 2011, , 13-50.	1.6	21
40	In Situ Observations and Lumped Parameter Model Reconstructions Reveal Intra-Annual to Multidecadal Variability in Groundwater Levels in Sub-Saharan Africa. <i>Water Resources Research</i> , 2020, 56, e2020WR028056.	4.2	20
41	Future Changes in Wet and Dry Season Characteristics in CMIP5 and CMIP6 simulations. <i>Journal of Hydrometeorology</i> , 2021, , .	1.9	20
42	Dynamic Hydrological Modeling in Drylands with TRMM Based Rainfall. <i>Remote Sensing</i> , 2013, 5, 6691-6716.	4.0	19
43	TAMSAT-ALERT v1: a new framework for agricultural decision support. <i>Geoscientific Model Development</i> , 2018, 11, 2353-2371.	3.6	19
44	Incorporating Satellite Data Into Weather Index Insurance. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, ES203-ES206.	3.3	17
45	Evaluation and validation of TAMSAT-ALERT soil moisture and WRSI for use in drought anticipatory action. <i>Meteorological Applications</i> , 2020, 27, e1959.	2.1	17
46	Future Changes in Seasonality in East Africa from Regional Simulations with Explicit and Parameterized Convection. <i>Journal of Climate</i> , 2021, 34, 1367-1385.	3.2	17
47	The seasonal forecast of electricity demand: a hierarchical Bayesian model with climatological weather generator. <i>Applied Stochastic Models in Business and Industry</i> , 2006, 22, 113-125.	1.5	15
48	Cultivating C4 crops in a changing climate: sugarcane in Ghana. <i>Environmental Research Letters</i> , 2012, 7, 044027.	5.2	15
49	Monitoring drought in Ghana using TAMSAT-ALERT: a new decision support system. <i>Weather</i> , 2017, 72, 201-205.	0.7	12
50	Consistent Trends in Dry Spell Length in Recent Observations and Future Projections. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	12
51	Cocoa plant productivity in West Africa under climate change: a modelling and experimental study. <i>Environmental Research Letters</i> , 2021, 16, 014009.	5.2	10
52	A model-based assessment of the effects of projected climate change on the water resources of Jordan. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010, 368, 5151-5172.	3.4	9
53	Spatio-temporal variability of warm rain events over southern West Africa from geostationary satellite observations for climate monitoring and model evaluation. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2018, 144, 2311-2330.	2.7	8
54	The spatial correlation structure of rainfall at the local scale over southern Ghana. <i>Journal of Hydrology: Regional Studies</i> , 2020, 31, 100720.	2.4	5

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55	Optimal spatial scales for seasonal forecasts over Africa. <i>Environmental Research Letters</i> , 2020, 15, 094023.	5.2	5
56	Towards drought impact-based forecasting in a multi-hazard context. <i>Climate Risk Management</i> , 2022, 35, 100402.	3.2	5
57	Past climates of the Middle East. , 0, , 25-50.		4
58	The impact of air-sea coupling and ocean biases on the seasonal cycle of southern West African precipitation. <i>Climate Dynamics</i> , 2019, 53, 7027-7044.	3.8	4
59	Phenological tracking of a seasonal climate window in a recovering tropical island bird species. <i>Climatic Change</i> , 2021, 164, 1.	3.6	4
60	Exploiting Satellite-Based Rainfall for Weather Index Insurance: The Challenges of Spatial and Temporal Aggregation. , 0, , .		4
61	Subseasonal prediction performance for South American land-atmosphere coupling in extended austral summer. <i>Climate Resilience and Sustainability</i> , 2022, 1, .	2.3	4
62	Time of emergence of impacts of climate change on groundwater levels in sub-Saharan Africa. <i>Journal of Hydrology</i> , 2022, 612, 128107.	5.4	4
63	TAMSAT. <i>Advances in Global Change Research</i> , 2020, , 393-408.	1.6	3
64	Water and society: past, present and future. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010, 368, 5107-5110.	3.4	2
65	Water and society in Jordan and Israel today: an introductory overview. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010, 368, 5111-5116.	3.4	2
66	The present-day climate of the Middle East. , 0, , 13-24.		1
67	Using proxy data, historical climate data and climate models to investigate aridification during the Holocene. , 0, , 105-112.		1
68	Connecting climate and hydrological models for impacts studies. , 0, , 63-68.		0
69	Modelling Dead Sea levels and rainfall: past, present and future. , 0, , 147-156.		0