Sarah N Sparrow

List of Publications by Year
in descending order

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56 papers	2,264 citations	331259 21 h-index	233125 45 g-index
81 all docs	81 docs citations	81 times ranked	3241 citing authors

#	Article	IF	Citations
1	Extreme rainfall and its impacts in the Brazilian Minas Gerais state in January 2020: Can we blame climate change?. Climate Resilience and Sustainability, 2022, 1, .	0.9	26
2	Identifying localâ€scale meteorological conditions favorable to large fires in Brazil. Climate Resilience and Sustainability, 2022, 1, .	0.9	5
3	Event attribution of ParnaÃba River floods in Northeastern Brazil. Climate Resilience and Sustainability, 2022, 1, .	0.9	3
4	Physical processes of summer extreme rainfall interannual variability in eastern China: Part Iâ€"observational analysis. Climate Dynamics, 2022, 59, 201-217.	1.7	3
5	Physical processes of summer extreme rainfall interannual variability in Eastern Chinaâ€"part II: evaluation of CMIP6 models. Climate Dynamics, 2022, 59, 455-469.	1.7	2
6	Trends in Europe storm surge extremes match the rate of sea-level rise. Nature, 2022, 603, 841-845.	13.7	45
7	Attribution of April 2020 Exceptional Cold Spell over Northeast China. Bulletin of the American Meteorological Society, 2022, 103, S61-S67.	1.7	8
8	Resilient by design: Preventing wildfires and blackouts with microgrids. Applied Energy, 2022, 313, 118793.	5.1	20
9	Generating samples of extreme winters to support climate adaptation. Weather and Climate Extremes, 2022, 36, 100419.	1.6	3
10	Attribution of the Australian bushfire risk to anthropogenic climate change. Natural Hazards and Earth System Sciences, 2021, 21, 941-960.	1.5	171
11	Larger Spatial Footprint of Wintertime Total Precipitation Extremes in a Warmer Climate. Geophysical Research Letters, 2021, 48, e2020GL091990.	1.5	19
12	OpenIFS@home version 1: a citizen science project for ensemble weather and climate forecasting. Geoscientific Model Development, 2021, 14, 3473-3486.	1.3	5
13	Anthropogenic climate change contribution to wildfire-prone weather conditions in the Cerrado and Arc of deforestation. Environmental Research Letters, 2021, 16, 094051.	2.2	6
14	Drivers behind the summer 2010 wave train leading to Russian heatwave and Pakistan flooding. Npj Climate and Atmospheric Science, 2021, 4, .	2.6	27
15	A pan-South-America assessment of avoided exposure to dangerous extreme precipitation by limiting to 1.5 Â°C warming. Environmental Research Letters, 2020, 15, 054005.	2.2	15
16	Climate change attribution and the economic costs of extreme weather events: a study on damages from extreme rainfall and drought. Climatic Change, 2020, 162, 781-797.	1.7	93
17	On High Precipitation in Mozambique, Zimbabwe and Zambia in February 2018. Bulletin of the American Meteorological Society, 2020, 101, S47-S52.	1.7	3
18	Anthropogenic Influence on the 2018 Summer Warm Spell in Europe: The Impact of Different Spatio-Temporal Scales. Bulletin of the American Meteorological Society, 2020, 101, S41-S46.	1.7	31

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19	Learning from the 2018 heatwave in the context of climate change: are high-temperature extremes important for adaptation in Scotland?. Environmental Research Letters, 2020, 15, 034051.	2.2	10
20	Quantifying Human Impact on the 2018 Summer Longest Heat Wave in South Korea. Bulletin of the American Meteorological Society, 2020, 101, S103-S108.	1.7	16
21	A 1-Day Extreme Rainfall Event in Tasmania: Process Evaluation and Long Tail Attribution. Bulletin of the American Meteorological Society, 2020, 101, S123-S128.	1.7	3
22	Anthropogenic Contribution to the 2017 Earliest Summer Onset in South Korea. Bulletin of the American Meteorological Society, 2019, 100, S73-S77.	1.7	6
23	Forced summer stationary waves: the opposing effects of direct radiative forcing and sea surface warming. Climate Dynamics, 2019, 53, 4291-4309.	1.7	12
24	Parametric Sensitivity of Vegetation Dynamics in the TRIFFID Model and the Associated Uncertainty in Projected Climate Change Impacts on Western U.S. Forests. Journal of Advances in Modeling Earth Systems, 2019, 11, 2787-2813.	1.3	11
25	Reducing climate model biases by exploring parameter space with large ensembles of climate model simulations and statistical emulation. Geoscientific Model Development, 2019, 12, 3017-3043.	1.3	11
26	Increasing mitigation ambition to meet the Paris Agreementâ€™s temperature goal avoids substantial heat-related mortality in U.S. cities. Science Advances, 2019, 5, eaau4373.	4.7	37
27	Attributing the 2017 Bangladesh floods from meteorological and hydrological perspectives. Hydrology and Earth System Sciences, 2019, 23, 1409-1429.	1.9	46
28	Anthropogenic Warming has Substantially Increased the Likelihood of July 2017â€"Like Heat Waves over Central Eastern China. Bulletin of the American Meteorological Society, 2019, 100, S91-S95.	1.7	21
29	Contribution of Anthropogenic Climate Change to Aprilâ€"May 2017 Heavy Precipitation over the Uruguay River Basin. Bulletin of the American Meteorological Society, 2019, 100, S37-S41.	1.7	14
30	Evaluation of a large ensemble regional climate modelling system for extreme weather events analysis over Bangladesh. International Journal of Climatology, 2019, 39, 2845-2861.	1.5	6
31	Biogeophysical Impacts of Landâ€Use Change on Climate Extremes in Lowâ€Emission Scenarios: Results From HAPPIâ€Land. Earth's Future, 2018, 6, 396-409.	2.4	31
32	Finding Ocean States That Are Consistent with Observations from a Perturbed Physics Parameter Ensemble. Journal of Climate, 2018, 31, 4639-4656.	1.2	1
33	Attributing human influence on the July 2017 Chinese heatwave: the influence of sea-surface temperatures. Environmental Research Letters, 2018, 13, 114004.	2.2	23
34	Flood event attribution and damage estimation using nationalâ€scale gridâ€based modelling: Winter 2013/2014 in Great Britain. International Journal of Climatology, 2018, 38, 5205-5219.	1.5	13
35	Ensemble of European regional climate simulations for the winter of 2013 and 2014 from HadAM3P-RM3P. Scientific Data, 2018, 5, 180057.	2.4	4
36	A large set of potential past, present and future hydro-meteorological time series for the UK. Hydrology and Earth System Sciences, 2018, 22, 611-634.	1.9	54

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37	Higher CO2 concentrations increase extreme event risk in a 1.5 Â°C world. Nature Climate Change, 2018, 8, 604-608.	8.1	104
38	Impacts of Anthropogenic Forcings and El NiÃ±o on Chinese Extreme Temperatures. Advances in Atmospheric Sciences, 2018, 35, 994-1002.	1.9	18
39	Seasonal spatial patterns of projected anthropogenic warming in complex terrain: a modeling study of the western US. Climate Dynamics, 2017, 48, 2191-2213.	1.7	44
40	Influence of the Ocean and Greenhouse Gases on Severe Drought Likelihood in the Central United States in 2012. Journal of Climate, 2017, 30, 1789-1806.	1.2	6
41	Assessing mid-latitude dynamics in extreme event attribution systems. Climate Dynamics, 2017, 48, 3889-3901.	1.7	29
42	Climate model forecast biases assessed with a perturbed physics ensemble. Climate Dynamics, 2017, 49, 1729-1746.	1.7	12
43	Recent Changes in the Moisture Source of Precipitation over the Tibetan Plateau. Journal of Climate, 2017, 30, 1807-1819.	1.2	167
44	A comparison of model ensembles for attributing 2012 West African rainfall. Environmental Research Letters, 2017, 12, 014019.	2.2	5
45	Half a degree additional warming, prognosis and projected impacts (HAPPI): background and experimental design. Geoscientific Model Development, 2017, 10, 571-583.	1.3	203
46	weather@home 2: validation of an improved globalâ€"regional climate modelling system. Geoscientific Model Development, 2017, 10, 1849-1872.	1.3	70
47	The weather@home regional climate modelling project for Australia and New Zealand. Geoscientific Model Development, 2016, 9, 3161-3176.	1.3	16
48	Human influence on climate in the 2014 southern England winter floods and their impacts. Nature Climate Change, 2016, 6, 627-634.	8.1	237
49	Anthropogenic influence on the changing likelihood of an exceptionally warm summer in Texas, 2011. Geophysical Research Letters, 2015, 42, 2392-2400.	1.5	19
50	Explaining Extreme Events of 2012 from a Climate Perspective. Bulletin of the American Meteorological Society, 2013, 94, S1-S74.	1.7	229
51	The Impact of the State of the Troposphere on the Response to Stratospheric Heating in a Simplified GCM. Journal of Climate, 2010, 23, 6166-6185.	1.2	22
52	Annular Variability and Eddyâ€"Zonal Flow Interactions in a Simplified Atmospheric GCM. Part I: Characterization of High- and Low-Frequency Behavior. Journals of the Atmospheric Sciences, 2009, 66, 3075-3094.	0.6	21
53	A Possible Transfer Mechanism for the 11-Year Solar Cycle to the Lower Stratosphere. Space Science Reviews, 2007, 125, 357-370.	3.7	23
54	Simulations of stratospheric flow regimes during northern hemisphere winter. Advances in Space Research, 2004, 34, 337-342.	1.2	2

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55	Solar and QBO Influences on the Timing of Stratospheric Sudden Warmings. Journals of the Atmospheric Sciences, 2004, 61, 2777-2796.	0.6	130
56	Flow regimes in the winter stratosphere of the northern hemisphere. Quarterly Journal of the Royal Meteorological Society, 2003, 129, 925-945.	1.0	54