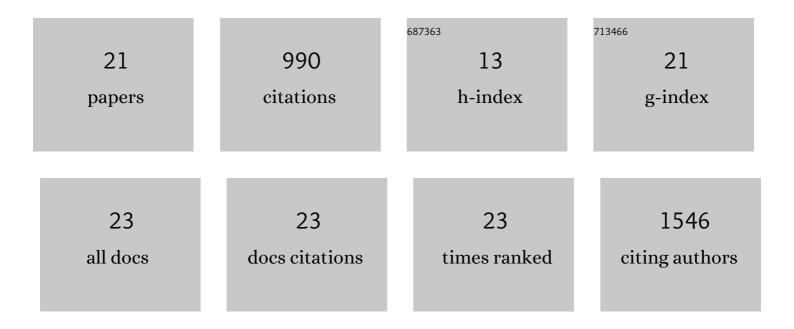
## Bryce E Harrop

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/9073294/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	The DOE E3SM Coupled Model Version 1: Overview and Evaluation at Standard Resolution. Journal of Advances in Modeling Earth Systems, 2019, 11, 2089-2129.	3.8	404
2	An Overview of the Atmospheric Component of the Energy Exascale Earth System Model. Journal of Advances in Modeling Earth Systems, 2019, 11, 2377-2411.	3.8	168
3	The DOE E3SM v1.1 Biogeochemistry Configuration: Description and Simulated Ecosystemâ€Climate Responses to Historical Changes in Forcing. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS001766.	3.8	65
4	Parametric Sensitivity and Uncertainty Quantification in the Version 1 of E3SM Atmosphere Model Based on Short Perturbed Parameter Ensemble Simulations. Journal of Geophysical Research D: Atmospheres, 2018, 123, 13,046.	3.3	53
5	The Role of Cloud Radiative Heating in Determining the Location of the ITCZ in Aquaplanet Simulations. Journal of Climate, 2016, 29, 2741-2763.	3.2	47
6	Testing the Role of Radiation in Determining Tropical Cloud-Top Temperature. Journal of Climate, 2012, 25, 5731-5747.	3.2	37
7	Exploring the impacts of physics and resolution on aquaâ€planet simulations from a nonhydrostatic global variableâ€resolution modeling framework. Journal of Advances in Modeling Earth Systems, 2016, 8, 1751-1768.	3.8	28
8	The Role of Convective Gustiness in Reducing Seasonal Precipitation Biases in the Tropical West Pacific. Journal of Advances in Modeling Earth Systems, 2018, 10, 961-970.	3.8	26
9	Emergence of seasonal delay of tropical rainfall during 1979–2019. Nature Climate Change, 2021, 11, 605-612.	18.8	25
10	The role of cloud radiative heating within the atmosphere on the high cloud amount and topâ€ofâ€atmosphere cloud radiative effect. Journal of Advances in Modeling Earth Systems, 2016, 8, 1391-1410.	3.8	20
11	Characterizing Tropical Cyclones in the Energy Exascale Earth System Model Version 1. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS002024.	3.8	20
12	Better calibration of cloud parameterizations and subgrid effects increases the fidelity of the E3SM Atmosphere Model version 1. Geoscientific Model Development, 2022, 15, 2881-2916.	3.6	17
13	Sensitivity of Surface Temperature to Oceanic Forcing via <i>q</i> -Flux Green's Function Experiments. Part II: Feedback Decomposition and Polar Amplification. Journal of Climate, 2018, 31, 6745-6761.	3.2	16
14	Sensitivity of the ITCZ Location to Ocean Forcing Via Qâ€Flux Green's Function Experiments. Geophysical Research Letters, 2018, 45, 13,116.	4.0	12
15	Sensitivity of Surface Temperature to Oceanic Forcing via q-Flux Green's Function Experiments. Part III: Asymmetric Response to Warming and Cooling. Journal of Climate, 2020, 33, 1283-1297.	3.2	10
16	The Relationship between Atmospheric Convective Radiative Effect and Net Energy Transport in the Tropical Warm Pool. Journal of Climate, 2015, 28, 8620-8633.	3.2	9
17	Sub-cloud moist entropy curvature as a predictor for changes in the seasonal cycle of tropical precipitation. Climate Dynamics, 2019, 53, 3463-3479.	3.8	6
18	Understanding Monsoonal Water Cycle Changes in a Warmer Climate in E3SMv1 Using a Normalized Gross Moist Stability Framework. Journal of Geophysical Research D: Atmospheres, 2019, 124, 10826-10843.	3.3	6

#	Article	IF	CITATIONS
19	The Leading Modes of Asian Summer Monsoon Variability as Pulses of Atmospheric Energy Flow. Geophysical Research Letters, 2021, 48, e2020GL091629.	4.0	6
20	Conservation of Dry Air, Water, and Energy in CAM and Its Potential Impact on Tropical Rainfall. Journal of Climate, 2022, 35, 2895-2917.	3.2	2
21	Diurnal Rainfall Response to the Physiological and Radiative Effects of CO <sub>2</sub> in Tropical Forests in the Energy Exascale Earth System Model v1. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	1