

Mathias Hauser

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,809
citations

361296

20
h-index

526166

27
g-index

51
all docs

51
docs citations

51
times ranked

2244
citing authors

#	ARTICLE	IF	CITATIONS
1	Reply to: Large influence of atmospheric vapor pressure deficit on ecosystem production efficiency. Nature Communications, 2022, 13, 1654.	5.8	1
2	From emission scenarios to spatially resolved projections with a chain of computationally efficient emulators: coupling of MAGICC (v7.5.1) and MESMER (v0.8.3). Geoscientific Model Development, 2022, 15, 2085-2103.	1.3	12
3	A compound event-oriented framework to tropical fire risk assessment in a changing climate. Environmental Research Letters, 2022, 17, 065015.	2.2	14
4	Impact of precipitation and increasing temperatures on drought trends in eastern Africa. Earth System Dynamics, 2021, 12, 17-35.	2.7	32
5	Prolonged Siberian heat of 2020 almost impossible without human influence. Climatic Change, 2021, 166, 9.	1.7	57
6	Soil moisture dominates dryness stress on ecosystem production globally. Nature Communications, 2020, 11, 4892.	5.8	300
7	Regional Climate Sensitivity of Climate Extremes in CMIP6 Versus CMIP5 Multimodel Ensembles. Earth's Future, 2020, 8, e2019EF001474.	2.4	100
8	Warming of hot extremes alleviated by expanding irrigation. Nature Communications, 2020, 11, 290.	5.8	118
9	Toward an Inventory of the Impacts of Human-Induced Climate Change. Bulletin of the American Meteorological Society, 2020, 101, E1972-E1979.	1.7	21
10	Storylines of the 2018 Northern Hemisphere heatwave at pre-industrial and higher global warming levels. Earth System Dynamics, 2020, 11, 855-873.	2.7	31
11	An update of IPCC climate reference regions for subcontinental analysis of climate model data: definition and aggregated datasets. Earth System Science Data, 2020, 12, 2959-2970.	3.7	210
12	Evaluation of the HadGEM3-A simulations in view of detection and attribution of human influence on extreme events in Europe. Climate Dynamics, 2019, 52, 1187-1210.	1.7	34
13	Revisiting assessments of ecosystem drought recovery. Environmental Research Letters, 2019, 14, 114028.	2.2	24
14	Identifying Key Driving Processes of Major Recent Heat Waves. Journal of Geophysical Research D: Atmospheres, 2019, 124, 11746-11765.	1.2	93
15	Potential of global land water recycling to mitigate local temperature extremes. Earth System Dynamics, 2019, 10, 157-169.	2.7	17
16	Was the Cold European Winter of 2009/10 Modified by Anthropogenic Climate Change? An Attribution Study. Journal of Climate, 2018, 31, 3387-3410.	1.2	16
17	Multiple perspectives on the attribution of the extreme European summer of 2012 to climate change. Climate Dynamics, 2018, 50, 3537-3555.	1.7	15
18	Western US high June 2015 temperatures and their relation to global warming and soil moisture. Climate Dynamics, 2018, 50, 2587-2601.	1.7	9

#	ARTICLE	IF	CITATIONS
19	Assessing the Dynamic Versus Thermodynamic Origin of Climate Model Biases. <i>Geophysical Research Letters</i> , 2018, 45, 8471-8479.	1.5	30
20	Evaluating and improving the Community Land Model's sensitivity to land cover. <i>Biogeosciences</i> , 2018, 15, 4731-4757.	1.3	41
21	Present-day irrigation mitigates heat extremes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 1403-1422.	1.2	194
22	Methods and Model Dependency of Extreme Event Attribution: The 2015 European Drought. <i>Earth's Future</i> , 2017, 5, 1034-1043.	2.4	59
23	Investigating soil moisture-climate interactions with prescribed soil moisture experiments: an assessment with the Community Earth System Model (version 1.2). <i>Geoscientific Model Development</i> , 2017, 10, 1665-1677.	1.3	23
24	Role of soil moisture versus recent climate change for the 2010 heat wave in western Russia. <i>Geophysical Research Letters</i> , 2016, 43, 2819-2826.	1.5	160
25	Lengthening of the growing season in wheat and maize producing regions. <i>Weather and Climate Extremes</i> , 2015, 9, 47-56.	1.6	50
26	Accuracy of ground surface broadband shortwave radiation monitoring. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 13,838.	1.2	37
27	Montreal Protocol Benefits simulated with CCM SOCOL. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 3811-3823.	1.9	27