

Guillaume Gastineau

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,921
citations

430874

18
h-index

395702

33
g-index

38
all docs

38
docs citations

38
times ranked

2663
citing authors

#	ARTICLE	IF	CITATIONS
1	Constraining human contributions to observed warming since the pre-industrial period. <i>Nature Climate Change</i> , 2021, 11, 207-212.	18.8	108
2	Increased Amazon Basin wet-season precipitation and river discharge since the early 1990s driven by tropical Pacific variability. <i>Environmental Research Letters</i> , 2021, 16, 034033.	5.2	5
3	Multicentennial Variability Driven by Salinity Exchanges Between the Atlantic and the Arctic Ocean in a Coupled Climate Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, e2020MS002366.	3.8	28
4	The Tuning Strategy of IPSL-CM6A-CLM. <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, e2020MS002340.	3.8	10
5	Impacts of Arctic Sea Ice on Cold Season Atmospheric Variability and Trends Estimated from Observations and a Multi-model Large Ensemble. <i>Journal of Climate</i> , 2021, , 1-64.	3.2	11
6	Presentation and Evaluation of the IPSL-CM6A-CLM Ensemble of Extended Historical Simulations. <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, e2021MS002565.	3.8	18
7	Increased risk of near term global warming due to a recent AMOC weakening. <i>Nature Communications</i> , 2021, 12, 6108.	12.8	25
8	Quantification of the Arctic Sea Ice-Driven Atmospheric Circulation Variability in Coordinated Large Ensemble Simulations. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL085397.	4.0	29
9	LMDZ6A: The Atmospheric Component of the IPSL Climate Model With Improved and Better Tuned Physics. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS001892.	3.8	89
10	Improved Near-Surface Continental Climate in IPSL-CM6A-CLM by Combined Evolutions of Atmospheric and Land Surface Physics. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS002005.	3.8	36
11	Alleviation of an Arctic Sea Ice Bias in a Coupled Model Through Modifications in the Subgrid-Scale Orographic Parameterization. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2020MS002111.	3.8	5
12	Presentation and Evaluation of the IPSL-CM6A-CLM Climate Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS002010.	3.8	541
13	Contributions of Internal Variability and External Forcing to the Recent Trends in the Southeastern Pacific and Peru-Chile Upwelling System. <i>Journal of Climate</i> , 2020, 33, 10555-10578.	3.2	8
14	Aerosol-Forced AMOC Changes in CMIP6 Historical Simulations. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088166.	4.0	85
15	An Observational Estimate of the Direct Response of the Cold-Season Atmospheric Circulation to the Arctic Sea Ice Loss. <i>Journal of Climate</i> , 2020, 33, 3863-3882.	3.2	12
16	Bias in CMIP6 models as compared to observed regional dimming and brightening. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 16023-16040.	4.9	25
17	IPSL-CM5A2 - an Earth system model designed for multi-millennial climate simulations. <i>Geoscientific Model Development</i> , 2020, 13, 3011-3053.	3.6	55
18	Global ocean heat content redistribution during the 1998-2012 Interdecadal Pacific Oscillation negative phase. <i>Climate Dynamics</i> , 2019, 53, 1187-1208.	3.8	17

#	ARTICLE	IF	CITATIONS
19	Evaluating Impacts of Recent Arctic Sea Ice Loss on the Northern Hemisphere Winter Climate Change. <i>Geophysical Research Letters</i> , 2018, 45, 3255-3263.	4.0	159
20	North Atlantic Ocean Internal Decadal Variability: Role of the Mean State and Ocean-Atmosphere Coupling. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 5949-5970.	2.6	20
21	A new record of Atlantic sea surface salinity from 1896 to 2013 reveals the signatures of climate variability and long-term trends. <i>Geophysical Research Letters</i> , 2017, 44, 1866-1876.	4.0	51
22	Tropical explosive volcanic eruptions can trigger El Niño by cooling tropical Africa. <i>Nature Communications</i> , 2017, 8, 778.	12.8	132
23	Estimation of the SST Response to Anthropogenic and External Forcing and Its Impact on the Atlantic Multidecadal Oscillation and the Pacific Decadal Oscillation. <i>Journal of Climate</i> , 2017, 30, 9871-9895.	3.2	79
24	Active AMOC-NAO coupling in the IPSL-CM5A-MR climate model. <i>Climate Dynamics</i> , 2016, 47, 2105-2119.	3.8	21
25	Wintertime Atmospheric Response to North Atlantic Ocean Circulation Variability in a Climate Model. <i>Journal of Climate</i> , 2015, 28, 7659-7677.	3.2	15
26	Influence of the North Atlantic SST Variability on the Atmospheric Circulation during the Twentieth Century. <i>Journal of Climate</i> , 2015, 28, 1396-1416.	3.2	156
27	Atmospheric response to the North Atlantic Ocean variability on seasonal to decadal time scales. <i>Climate Dynamics</i> , 2013, 40, 2311-2330.	3.8	69
28	The Influence of the AMOC Variability on the Atmosphere in CCSM3. <i>Journal of Climate</i> , 2013, 26, 9774-9790.	3.2	29
29	Cold-season atmospheric response to the natural variability of the Atlantic meridional overturning circulation. <i>Climate Dynamics</i> , 2012, 39, 37-57.	3.8	69