Guillaume Gastineau

List of Publications by Year
in descending order

29	1,921	430874 18	395702 33
papers	citations	h-index	g-index

38	38	38	2663
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Presentation and Evaluation of the IPSLâ€CM6Aâ€LR Climate Model. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS002010.	3.8	541
2	Evaluating Impacts of Recent Arctic Sea Ice Loss on the Northern Hemisphere Winter Climate Change. Geophysical Research Letters, 2018, 45, 3255-3263.	4.0	159
3	Influence of the North Atlantic SST Variability on the Atmospheric Circulation during the Twentieth Century. Journal of Climate, 2015, 28, 1396-1416.	3.2	156
4	Tropical explosive volcanic eruptions can trigger El NiÃ±o by cooling tropical Africa. Nature Communications, 2017, 8, 778.	12.8	132
5	Constraining human contributions to observed warming since the pre-industrial period. Nature Climate Change, 2021, 11, 207-212.	18.8	108
6	LMDZ6A: The Atmospheric Component of the IPSL Climate Model With Improved and Better Tuned Physics. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS001892.	3.8	89
7	Aerosolâ€Forced AMOC Changes in CMIP6 Historical Simulations. Geophysical Research Letters, 2020, 47, e2020GL088166.	4.0	85
8	Estimation of the SST Response to Anthropogenic and External Forcing and Its Impact on the Atlantic Multidecadal Oscillation and the Pacific Decadal Oscillation. Journal of Climate, 2017, 30, 9871-9895.	3.2	79
9	Cold-season atmospheric response to the natural variability of the Atlantic meridional overturning circulation. Climate Dynamics, 2012, 39, 37-57.	3.8	69
10	Atmospheric response to the North Atlantic Ocean variability on seasonal to decadal time scales. Climate Dynamics, 2013, 40, 2311-2330.	3.8	69
11	IPSL-CM5A2 â€“ an Earth system model designed for multi-millennial climate simulations. Geoscientific Model Development, 2020, 13, 3011-3053.	3.6	55
12	A new record of Atlantic sea surface salinity from 1896 to 2013 reveals the signatures of climate variability and longâ€term trends. Geophysical Research Letters, 2017, 44, 1866-1876.	4.0	51
13	Improved Nearâ€Surface Continental Climate in IPSLâ€CM6Aâ€LR by Combined Evolutions of Atmospheric and Land Surface Physics. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS002005.	3.8	36
14	The Influence of the AMOC Variability on the Atmosphere in CCSM3. Journal of Climate, 2013, 26, 9774-9790.	3.2	29
15	Quantification of the Arctic Sea Iceâ€Driven Atmospheric Circulation Variability in Coordinated Large Ensemble Simulations. Geophysical Research Letters, 2020, 47, e2019GL085397.	4.0	29
16	Multicentennial Variability Driven by Salinity Exchanges Between the Atlantic and the Arctic Ocean in a Coupled Climate Model. Journal of Advances in Modeling Earth Systems, 2021, 13, e2020MS002366.	3.8	28
17	Bias in CMIP6 models as compared to observed regional dimming and brightening. Atmospheric Chemistry and Physics, 2020, 20, 16023-16040.	4.9	25
18	Increased risk of near term global warming due to a recent AMOC weakening. Nature Communications, 2021, 12, 6108.	12.8	25

#	Article	IF	Citations
19	Active AMOCâ€“NAO coupling in the IPSL-CM5A-MR climate model. Climate Dynamics, 2016, 47, 2105-2119.	3.8	21
20	North Atlantic Ocean Internal Decadal Variability: Role of the Mean State and Oceanâ€Atmosphere Coupling. Journal of Geophysical Research: Oceans, 2018, 123, 5949-5970.	2.6	20
21	Presentation and Evaluation of the IPSLâ€CM6Aâ€LR Ensemble of Extended Historical Simulations. Journal of Advances in Modeling Earth Systems, 2021, 13, e2021MS002565.	3.8	18
22	Global ocean heat content redistribution during the 1998â€“2012 Interdecadal Pacific Oscillation negative phase. Climate Dynamics, 2019, 53, 1187-1208.	3.8	17
23	Wintertime Atmospheric Response to North Atlantic Ocean Circulation Variability in a Climate Model. Journal of Climate, 2015, 28, 7659-7677.	3.2	15
24	An Observational Estimate of the Direct Response of the Cold-Season Atmospheric Circulation to the Arctic Sea Ice Loss. Journal of Climate, 2020, 33, 3863-3882.	3.2	12
25	Impacts of Arctic Sea Ice on Cold Season Atmospheric Variability and Trends Estimated from Observations and a Multi-model Large Ensemble. Journal of Climate, 2021, , 1-64.	3.2	11
26	The Tuning Strategy of IPSLâ€CM6Aâ€LR. Journal of Advances in Modeling Earth Systems, 2021, 13, e2020MS002340.	3.8	10
27	Contributions of Internal Variability and External Forcing to the Recent Trends in the Southeastern Pacific and Peruâ€“Chile Upwelling System. Journal of Climate, 2020, 33, 10555-10578.	3.2	8
28	Alleviation of an Arctic Sea Ice Bias in a Coupled Model Through Modifications in the Subgridâ€Scale Orographic Parameterization. Journal of Advances in Modeling Earth Systems, 2020, 12, e2020MS002111.	3.8	5
29	Increased Amazon Basin wet-season precipitation and river discharge since the early 1990s driven by tropical Pacific variability. Environmental Research Letters, 2021, 16, 034033.	5.2	5