

SÃ©bastien Denvil

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

3,712
citations

471509

17
h-index

677142

22
g-index

29
all docs

29
docs citations

29
times ranked

5817
citing authors

#	ARTICLE	IF	CITATIONS
1	Climate change projections using the IPSL-CM5 Earth System Model: from CMIP3 to CMIP5. <i>Climate Dynamics</i> , 2013, 40, 2123-2165.	3.8	1,425
2	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
3	Assessing the impacts of 1.5°C global warming “ simulation protocol of the Inter-Sectoral Impact Model Intercomparison Project (ISIMIP2b). <i>Geoscientific Model Development</i> , 2017, 10, 4321-4345.	3.6	410
4	Robust direct effect of carbon dioxide on tropical circulation and regional precipitation. <i>Nature Geoscience</i> , 2013, 6, 447-451.	12.9	338
5	Impact of the LMDZ atmospheric grid configuration on the climate and sensitivity of the IPSL-CM5A coupled model. <i>Climate Dynamics</i> , 2013, 40, 2167-2192.	3.8	250
6	Key features of the IPSL ocean atmosphere model and its sensitivity to atmospheric resolution. <i>Climate Dynamics</i> , 2010, 34, 1-26.	3.8	235
7	High resolution simulation of the South Asian monsoon using a variable resolution global climate model. <i>Climate Dynamics</i> , 2013, 41, 173-194.	3.8	80
8	Climate change under aggressive mitigation: the ENSEMBLES multi-model experiment. <i>Climate Dynamics</i> , 2011, 37, 1975-2003.	3.8	75
9	Requirements for a global data infrastructure in support of CMIP6. <i>Geoscientific Model Development</i> , 2018, 11, 3659-3680.	3.6	62
10	Influence of solar variability, CO ₂ and orbital forcing between 1000 and 1850 AD in the IPSL-CM4 model. <i>Climate of the Past</i> , 2010, 6, 445-460.	3.4	53
11	Coordinating an operational data distribution network for CMIP6 data. <i>Geoscientific Model Development</i> , 2021, 14, 629-644.	3.6	38
12	Kelvin and Rossby gravity wave packets in the lower stratosphere of some high-top CMIP5 models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 2156-2173.	3.3	35
13	A Global Repository for Planet-Sized Experiments and Observations. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, 803-816.	3.3	31
14	Changes in severe indices as simulated by two French coupled global climate models. <i>Global and Planetary Change</i> , 2007, 57, 96-117.	3.5	25
15	A climate projection dataset tailored for the European energy sector. <i>Climate Services</i> , 2019, 16, 100138.	2.5	23
16	An Energetics Study of Wintertime Northern Hemisphere Storm Tracks under 4 Å— CO ₂ Conditions in Two Ocean-Atmosphere Coupled Models. <i>Journal of Climate</i> , 2009, 22, 819-839.	3.2	20
17	Documenting Climate Models and Their Simulations. <i>Bulletin of the American Meteorological Society</i> , 2013, 94, 623-627.	3.3	20
18	Describing Earth system simulations with the Metafor CIM. <i>Geoscientific Model Development</i> , 2012, 5, 1493-1500.	3.6	15

#	ARTICLE	IF	CITATIONS
19	The Tuning Strategy of IPSLâ€™CM6Aâ€™LR. Journal of Advances in Modeling Earth Systems, 2021, 13, e2020MS002340.	3.8	10
20	The effects of aggressive mitigation on steric sea level rise and sea ice changes. Climate Dynamics, 2013, 40, 531-550.	3.8	9
21	Regional hydrological cycle changes in response to an ambitious mitigation scenario. Climatic Change, 2013, 120, 389-403.	3.6	2
22	Strategie roadmap for the earth system grid federation. , 2015, , .		2
23	The Climate-G testbed: towards large scale distributed data management for climate change. Procedia Computer Science, 2011, 4, 567-576.	2.0	0