AurÃ©lien Quiquet

List of Publications by Year
in descending order

31 papers	2,064 citations	430843 18 h-index	434170 31 g-index
71 all docs	71 docs citations	71 times ranked	2411 citing authors

#	Article	IF	Citations
1	Eemian interglacial reconstructed from a Greenland folded ice core. Nature, 2013, 493, 489-494.	27.8	565
2	Projected land ice contributions to twenty-first-century sea level rise. Nature, 2021, 593, 74-82.	27.8	200
3	ISMIP6 Antarctica: a multi-model ensemble of the Antarctic ice sheet evolution over the 21st century. Cryosphere, 2020, 14, 3033-3070.	3.9	198
4	The future sea-level contribution of the Greenland ice sheet: a multi-model ensemble study of ISMIP6. Cryosphere, 2020, 14, 3071-3096.	3.9	144
5	The PMIP4 Last Glacial Maximum experiments: preliminary results and comparison with the PMIP3 simulations. Climate of the Past, 2021, 17, 1065-1089.	3.4	107
6	Projecting Antarctica's contribution to future sea level rise from basal ice shelf melt using linear response functions of 16 ice sheet models (LARMIP-2). Earth System Dynamics, 2020, 11, 35-76.	7.1	92
7	Investigating the evolution of major Northern Hemisphere ice sheets during the last glacial-interglacial cycle. Climate of the Past, 2009, 5, 329-345.	3.4	79
8	Antarctic ice sheet response to sudden and sustained ice-shelf collapse (ABUMIP). Journal of Glaciology, 2020, 66, 891-904.	2.2	70
9	initMIP-Antarctica: an ice sheet model initialization experiment of ISMIP6. Cryosphere, 2019, 13, 1441-1471.	3.9	69
10	Effect of uncertainty in surface mass balanceâ€“elevation feedback on projections of the future sea level contribution of the Greenland ice sheet. Cryosphere, 2014, 8, 195-208.	3.9	67
11	Greenland ice sheet contribution to sea level rise during the last interglacial period: a modelling study driven and constrained by ice core data. Climate of the Past, 2013, 9, 353-366.	3.4	52
12	Assessment of the Greenland ice sheetâ€“atmosphere feedbacks for the next century with a regional atmospheric model coupled to an ice sheet model. Cryosphere, 2019, 13, 373-395.	3.9	46
13	Methane and carbon dioxide fluxes and their regional scalability for the European Arctic wetlands during the MAMM project in summer 2012. Atmospheric Chemistry and Physics, 2014, 14, 13159-13174.	4.9	39
14	Ice sheet model dependency of the simulated Greenland Ice Sheet in the mid-Pliocene. Climate of the Past, 2015, 11, 369-381.	3.4	38
15	Sensitivity of a Greenland ice sheet model to atmospheric forcing fields. Cryosphere, 2012, 6, 999-1018.	3.9	37
16	The GRISLI ice sheet model (version 2.0): calibration and validation for multi-millennial changes of the Antarctic ice sheet. Geoscientific Model Development, 2018, 11, 5003-5025.	3.6	32
17	Future Sea Level Change Under Coupled Model Intercomparison Project Phase 5 and Phase 6 Scenarios From the Greenland and Antarctic Ice Sheets. Geophysical Research Letters, 2021, 48, e2020GL091741.	4.0	28
18	Probabilistic parameterisation of the surface mass balanceâ€“elevation feedback in regional climate model simulations of the Greenland ice sheet. Cryosphere, 2014, 8, 181-194.	3.9	26

#	Article	IF	Citations
19	The relative importance of methane sources and sinks over the Last Interglacial period and into the last glaciation. Quaternary Science Reviews, 2015, 112, 1-16.	3.0	20
20	An East Siberian ice shelf during the Late Pleistocene glaciations: Numerical reconstructions. Quaternary Science Reviews, 2016, 147, 148-163.	3.0	18
21	Ice flux evolution in fast flowing areas of the Greenland ice sheet over the 20th and 21st centuries. Journal of Glaciology, 2017, 63, 499-513.	2.2	16
22	Polar amplification of Pliocene climate by elevated trace gas radiative forcing. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 23401-23407.	7.1	15
23	A rapidly converging initialisation method to simulate the present-day Greenland ice sheet using the GRISLI ice sheet model (version 1.3). Geoscientific Model Development, 2019, 12, 2481-2499.	3.6	13
24	Online dynamical downscaling of temperature and precipitation within the <i>i</i>LOVECLIM model (version 1.1). Geoscientific Model Development, 2018, 11, 453-466.	3.6	10
25	Deglacial Ice Sheet Instabilities Induced by Proglacial Lakes. Geophysical Research Letters, 2021, 48, e2020GL092141.	4.0	9
26	Retrieval of the Absorption Coefficient of L-Band Radiation in Antarctica From SMOS Observations. Remote Sensing, 2018, 10, 1954.	4.0	7
27	The GRISLI-LSCE contribution to the Ice Sheet Model Intercomparison Project for phase 6 of the Coupled Model Intercomparison Project (ISMIP6) â€“ Part 1: Projections of the Greenland ice sheet evolution by the end of the 21st century. Cryosphere, 2021, 15, 1015-1030.	3.9	7
28	Modelling the impact of biogenic particle flux intensity and composition on sedimentary Pa/Th. Quaternary Science Reviews, 2020, 240, 106394.	3.0	5
29	Carbon isotopes and Paâ•Th response to forced circulation changes: a model perspective. Climate of the Past, 2020, 16, 867-883.	3.4	5
30	The GRISLI-LSCE contribution to the Ice Sheet Model Intercomparison Project for phase 6 of the Coupled Model Intercomparison Project (ISMIP6) â€“ Part 2: Projections of the Antarctic ice sheet evolution by the end of the 21st century. Cryosphere, 2021, 15, 1031-1052.	3.9	5
31	Climate and ice sheet evolutions from the last glacial maximum to the pre-industrial period with an ice-sheetâ€“climate coupled model. Climate of the Past, 2021, 17, 2179-2199.	3.4	5