Anais J Orsi

List of Publications by Year
in descending order

37 papers	1,691 citations	361296 20 h-index	330025 37 g-index
64 all docs	64 docs citations	64 times ranked	3204 citing authors

#	Article	IF	Citations
1	An extension of the TALDICE ice core age scale reaching back to MIS 10.1. Quaternary Science Reviews, 2021, 266, 107078.	1.4	10
2	A 4.5 Yearâ€Long Record of Svalbard Water Vapor Isotopic Composition Documents Winter Air Mass Origin. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032681.	1.2	6
3	Snowfall and Water Stable Isotope Variability in East Antarctica Controlled by Warm Synoptic Events. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032863.	1.2	15
4	A global database of Holocene paleotemperature records. Scientific Data, 2020, 7, 115.	2.4	112
5	New techniques for high-precision, simultaneous measurements of CH₄, N₂O and CO₂ concentrations; isotopic and elemental ratios of N₂, O₂ and Ar; and total air content in ice cores by wet extraction. Atmospheric Measurement Techniques, 2020, 13.	1.2	12
6	The Iso2k database: a global compilation of paleo-<i>Î´</i>¹⁸O and <i>Î´</i>²H records to aid understanding of Common Era climate. Earth System Science Data, 2020, 12, 2261-2288.	3.7	46
7	Comparison of observed borehole temperatures in Antarctica with simulations using a forward model driven by climate model outputs covering the past millennium. Climate of the Past, 2020, 16, 1411-1428.	1.3	1
8	Assessing the robustness of Antarctic temperature reconstructions over the past 2Âmillennia using pseudoproxy and data assimilation experiments. Climate of the Past, 2019, 15, 661-684.	1.3	21
9	Isotopic constraint on the twentieth-century increase in tropospheric ozone. Nature, 2019, 570, 224-227.	13.7	80
10	Coastal water vapor isotopic composition driven by katabatic wind variability in summer at Dumont d'Urville, coastal East Antarctica. Earth and Planetary Science Letters, 2019, 514, 37-47.	1.8	14
11	Unveiling the anatomy of Termination 3 using water and air isotopes in the Dome C ice core, East Antarctica. Quaternary Science Reviews, 2019, 211, 156-165.	1.4	5
12	Estimation of the Antarctic surface mass balance using the regional climate model MAR (1979â€“2015) and identification of dominant processes. Cryosphere, 2019, 13, 281-296.	1.5	171
13	The Ross Sea Dipole â€“ temperature, snow accumulation and sea ice variability in the Ross Sea region, Antarctica, over the past 2700Âyears. Climate of the Past, 2018, 14, 193-214.	1.3	44
14	Surface Temperature in Twentieth Century at the Styx Glacier, Northern Victoria Land, Antarctica, From Borehole Thermometry. Geophysical Research Letters, 2018, 45, 9834-9842.	1.5	14
15	Surface formation, preservation, and history of low-porosity crusts at the WAIS Divide site, West Antarctica. Cryosphere, 2018, 12, 325-341.	1.5	10
16	Water stable isotope spatio-temporal variability in Antarctica in 1960â€“2013: observations and simulations from the ECHAM5-wiso atmospheric general circulation model. Climate of the Past, 2018, 14, 923-946.	1.3	26
17	The recent warming trend in North Greenland. Geophysical Research Letters, 2017, 44, 6235-6243.	1.5	40
18	Minimal geological methane emissions during the Younger Dryasâ€“Preboreal abrupt warming event. Nature, 2017, 548, 443-446.	13.7	86

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19	Firn Model Intercomparison Experiment (FirnMICE). Journal of Glaciology, 2017, 63, 401-422.	1.1	52
20	Surface studies of water isotopes in Antarctica for quantitative interpretation of deep ice core data. Comptes Rendus - Geoscience, 2017, 349, 139-150.	0.4	17
21	Antarctic climate variability on regional and continental scales over the last 2000Âyears. Climate of the Past, 2017, 13, 1609-1634.	1.3	145
22	Modelling firn thickness evolution during the last deglaciation: constraints on sensitivity to temperature and impurities. Climate of the Past, 2017, 13, 833-853.	1.3	28
23	Comparison of different methods to retrieve optical-equivalent snow grain size in central Antarctica. Cryosphere, 2017, 11, 2727-2741.	1.5	21
24	Isotopic exchange on the diurnal scale between near-surface snow and lower atmospheric water vapor at Kohnen station, East Antarctica. Cryosphere, 2016, 10, 1647-1663.	1.5	53
25	How warm was Greenland during the last interglacial period?. Climate of the Past, 2016, 12, 1933-1948.	1.3	30
26	Assessing recent trends in high-latitude Southern Hemisphere surface climate. Nature Climate Change, 2016, 6, 917-926.	8.1	253
27	Measurements of 14C in ancient ice from Taylor Glacier, Antarctica constrain in situ cosmogenic 14CH4 and 14CO production rates. Geochimica Et Cosmochimica Acta, 2016, 177, 62-77.	1.6	18
28	Experimental determination and theoretical framework of kinetic fractionation at the water vapourâ€“ice interface at low temperature. Geochimica Et Cosmochimica Acta, 2016, 174, 54-69.	1.6	21
29	Observing and modeling the influence of layering on bubble trapping in polar firn. Journal of Geophysical Research D: Atmospheres, 2015, 120, 2558-2574.	1.2	39
30	Recent changes in north-west Greenland climate documented by NEEM shallow ice core data and simulations, and implications for past-temperature reconstructions. Cryosphere, 2015, 9, 1481-1504.	1.5	41
31	Differentiating bubble-free layers from melt layers in ice cores using noble gases. Journal of Glaciology, 2015, 61, 585-594.	1.1	15
32	Magnitude and temporal evolution of Dansgaardâ€“Oeschger event 8 abrupt temperature change inferred from nitrogen and argon isotopes in GISP2 ice using a new least-squares inversion. Earth and Planetary Science Letters, 2014, 395, 81-90.	1.8	17
33	Core handling and processing for the WAIS Divide ice-core project. Annals of Glaciology, 2014, 55, 15-26.	2.8	34
34	High-precision 14C measurements demonstrate production of in situ cosmogenic 14CH4 and rapid loss of in situ cosmogenic 14CO in shallow Greenland firn. Earth and Planetary Science Letters, 2013, 365, 190-197.	1.8	12
35	The heat is on in Antarctica. Nature Geoscience, 2013, 6, 87-88.	5.4	18
36	Spatial gradients of temperature, accumulation and Î´¹⁸O-ice in Greenland over a series of Dansgaardâ€“Oeschger events. Climate of the Past, 2013, 9, 1029-1051.	1.3	67

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37	Little Ice Age cold interval in West Antarctica: Evidence from borehole temperature at the West Antarctic Ice Sheet (WAIS) Divide. Geophysical Research Letters, 2012, 39, .	1.5	75