

JÃ©rÃ©me Chappellaz

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

13,093
citations

279798

23
h-index

526287

27
g-index

27
all docs

27
docs citations

27
times ranked

9419
citing authors

#	ARTICLE	IF	CITATIONS
1	Antarctic surface temperature and elevation during the Last Glacial Maximum. <i>Science</i> , 2021, 372, 1097-1101.	12.6	61
2	CH ₄ and N ₂ O fluctuations during the penultimate deglaciation. <i>Climate of the Past</i> , 2021, 17, 1627-1643.	3.4	5
3	Abrupt CO ₂ release to the atmosphere under glacial and early interglacial climate conditions. <i>Science</i> , 2020, 369, 1000-1005.	12.6	35
4	Millennial-scale atmospheric CO ₂ variations during the Marine Isotope Stage 6 period (190â€“135â€“ka). <i>Climate of the Past</i> , 2020, 16, 2203-2219.	3.4	10
5	Glacial/interglacial wetland, biomass burning, and geologic methane emissions constrained by dual stable isotopic CH ₄ ice core records. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E5778-E5786.	7.1	58
6	Analytical constraints on layered gas trapping and smoothing of atmospheric variability in ice under low-accumulation conditions. <i>Climate of the Past</i> , 2017, 13, 1815-1830.	3.4	28
7	Local artifacts in ice core methane records caused by layered bubble trapping and in situ production: a multi-site investigation. <i>Climate of the Past</i> , 2016, 12, 1061-1077.	3.4	23
8	Revision of the EPICA Dome C CO ₂ record from 800 to 600â€“kyr before present. <i>Geophysical Research Letters</i> , 2015, 42, 542-549.	4.0	465
9	NGRIP CH ₄ concentration from 120 to 10 kyr before present and its relation to a $\delta^{15}\text{N}$ temperature reconstruction from the same ice core. <i>Climate of the Past</i> , 2014, 10, 903-920.	3.4	61
10	The Antarctic ice core chronology (AICC2012): an optimized multi-parameter and multi-site dating approach for the last 120 thousand years. <i>Climate of the Past</i> , 2013, 9, 1733-1748.	3.4	362
11	Glacialâ€“interglacial dynamics of Antarctic firn columns: comparison between simulations and ice core air- $\delta^{15}\text{N}$ measurements. <i>Climate of the Past</i> , 2013, 9, 983-999.	3.4	22
12	A first chronology for the North Greenland Eemian Ice Drilling (NEEM) ice core. <i>Climate of the Past</i> , 2013, 9, 2713-2730.	3.4	133
13	An optimized multi-proxy, multi-site Antarctic ice and gas orbital chronology (AICC2012): 120â€“800 ka. <i>Climate of the Past</i> , 2013, 9, 1715-1731.	3.4	324
14	On the gas-ice depth difference (δ depth) along the EPICA Dome C ice core. <i>Climate of the Past</i> , 2012, 8, 1239-1255.	3.4	45
15	On the suitability of partially clathrated ice for analysis of concentration and $\delta^{13}\text{C}$ of palaeo-atmospheric CO ₂ . <i>Earth and Planetary Science Letters</i> , 2011, 307, 334-340.	4.4	15
16	Abrupt rise in atmospheric CO ₂ at the onset of the BÅlling/AllerÅd: in-situ ice core data versus true atmospheric signals. <i>Climate of the Past</i> , 2011, 7, 473-486.	3.4	43
17	Expression of the bipolar see-saw in Antarctic climate records during the last deglaciation. <i>Nature Geoscience</i> , 2011, 4, 46-49.	12.9	212
18	Atmospheric nitrous oxide during the last 140,000years. <i>Earth and Planetary Science Letters</i> , 2010, 300, 33-43.	4.4	154

#	ARTICLE	IF	CITATIONS
19	EPICA Dome C record of glacial and interglacial intensities. Quaternary Science Reviews, 2010, 29, 113-128.	3.0	202
20	Orbital and millennial-scale features of atmospheric CH ₄ over the past 800,000 years. Nature, 2008, 453, 383-386.	27.8	840
21	Orbital and Millennial Antarctic Climate Variability over the Past 800,000 Years. Science, 2007, 317, 793-796.	12.6	1,880
22	Atmospheric Methane and Nitrous Oxide of the Late Pleistocene from Antarctic Ice Cores. Science, 2005, 310, 1317-1321.	12.6	424
23	Eight glacial cycles from an Antarctic ice core. Nature, 2004, 429, 623-628.	27.8	2,015
24	The attenuation of fast atmospheric CH ₄ variations recorded in polar ice cores. Geophysical Research Letters, 2003, 30, .	4.0	126
25	Climate and atmospheric history of the past 420,000 years from the Vostok ice core, Antarctica. Nature, 1999, 399, 429-436.	27.8	5,371
26	Air content along the Greenland Ice Core Project core: A record of surface climatic parameters and elevation in central Greenland. Journal of Geophysical Research, 1997, 102, 26607-26613.	3.3	66
27	Air content paleo record in the Vostok ice core (Antarctica): A mixed record of climatic and glaciological parameters. Journal of Geophysical Research, 1994, 99, 10565.	3.3	113