

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

279701
23
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526166
27
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all docs

27
docs citations

27
times ranked

9419
citing authors

#	ARTICLE	IF	CITATIONS
1	Climate and atmospheric history of the past 420,000 years from the Vostok ice core, Antarctica. <i>Nature</i> , 1999, 399, 429-436.	13.7	5,371
2	Eight glacial cycles from an Antarctic ice core. <i>Nature</i> , 2004, 429, 623-628.	13.7	2,015
3	Orbital and Millennial Antarctic Climate Variability over the Past 800,000 Years. <i>Science</i> , 2007, 317, 793-796.	6.0	1,880
4	Orbital and millennial-scale features of atmospheric CH ₄ over the past 800,000 years. <i>Nature</i> , 2008, 453, 383-386.	13.7	840
5	Revision of the EPICA Dome C CO ₂ record from 800 to 600 kyr before present. <i>Geophysical Research Letters</i> , 2015, 42, 542-549.	1.5	465
6	Atmospheric Methane and Nitrous Oxide of the Late Pleistocene from Antarctic Ice Cores. <i>Science</i> , 2005, 310, 1317-1321.	6.0	424
7	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.	1.3	362
8	An optimized multi-proxy, multi-site Antarctic ice and gas orbital chronology (AICC2012): 120–800 ka. <i>Climate of the Past</i> , 2013, 9, 1715-1731.	1.3	324
9	Expression of the bipolar see-saw in Antarctic climate records during the last deglaciation. <i>Nature Geoscience</i> , 2011, 4, 46-49.	5.4	212
10	EPICA Dome C record of glacial and interglacial intensities. <i>Quaternary Science Reviews</i> , 2010, 29, 113-128.	1.4	202
11	Atmospheric nitrous oxide during the last 140,000 years. <i>Earth and Planetary Science Letters</i> , 2010, 300, 33-43.	1.8	154
12	A first chronology for the North Greenland Eemian Ice Drilling (NEEM) ice core. <i>Climate of the Past</i> , 2013, 9, 2713-2730.	1.3	133
13	The attenuation of fast atmospheric CH ₄ variations recorded in polar ice cores. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	126
14	Air content paleo record in the Vostok ice core (Antarctica): A mixed record of climatic and glaciological parameters. <i>Journal of Geophysical Research</i> , 1994, 99, 10565.	3.3	113
15	Air content along the Greenland Ice Core Project core: A record of surface climatic parameters and elevation in central Greenland. <i>Journal of Geophysical Research</i> , 1997, 102, 26607-26613.	3.3	66
16	NGRIP CH ₄ concentration from 120 to 10 kyr before present and its relation to a δ ¹⁵ N temperature reconstruction from the same ice core. <i>Climate of the Past</i> , 2014, 10, 903-920.	1.3	61
17	Antarctic surface temperature and elevation during the Last Glacial Maximum. <i>Science</i> , 2021, 372, 1097-1101.	6.0	61
18	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.	3.3	58

#	ARTICLE	IF	CITATIONS
19	On the gas-ice depth difference (δz depth) along the EPICA Dome C ice core. <i>Climate of the Past</i> , 2012, 8, 1239-1255.	1.3	45
20	Abrupt rise in atmospheric CO ₂ at the onset of the Bølling/Allerød: in-situ ice core data versus true atmospheric signals. <i>Climate of the Past</i> , 2011, 7, 473-486.	1.3	43
21	Abrupt CO ₂ release to the atmosphere under glacial and early interglacial climate conditions. <i>Science</i> , 2020, 369, 1000-1005.	6.0	35
22	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.	1.3	28
23	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.	1.3	23
24	Glacial-interglacial dynamics of Antarctic firn columns: comparison between simulations and ice core air- $\delta^{15}N$ measurements. <i>Climate of the Past</i> , 2013, 9, 983-999.	1.3	22
25	On the suitability of partially clathrated ice for analysis of concentration and $\delta^{13}C$ of palaeo-atmospheric CO ₂ . <i>Earth and Planetary Science Letters</i> , 2011, 307, 334-340.	1.8	15
26	Millennial-scale atmospheric CO ₂ variations during the Marine Isotope Stage 6 period (190-135 ka). <i>Climate of the Past</i> , 2020, 16, 2203-2219.	1.3	10
27	CH ₄ and N ₂ O fluctuations during the penultimate deglaciation. <i>Climate of the Past</i> , 2021, 17, 1627-1643.	1.3	5