

# Theo Manuel Jenk

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

2,278  
citations

394421

19  
h-index

345221

36  
g-index

66  
all docs

66  
docs citations

66  
times ranked

3198  
citing authors

#	ARTICLE	IF	CITATIONS
1	Eemian interglacial reconstructed from a Greenland folded ice core. <i>Nature</i> , 2013, 493, 489-494.	27.8	565
2	Contributions of fossil fuel, biomass-burning, and biogenic emissions to carbonaceous aerosols in Zurich as traced by <sup>14</sup> C. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	330
3	A revised 1000‰ year atmospheric <sup>13</sup> C record from Law Dome and South Pole, Antarctica. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 8482-8499.	3.3	171
4	Radiocarbon ( <sup>14</sup> C)-deduced biogenic and anthropogenic contributions to organic carbon (OC) of urban aerosols from Zürich, Switzerland. <i>Atmospheric Environment</i> , 2004, 38, 4035-4044.	4.1	147
5	Gas transport in firn: multiple-tracer characterisation and model intercomparison for NEEM, Northern Greenland. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 4259-4277.	4.9	130
6	Source Apportionment of Aerosols by <sup>14</sup> C Measurements in Different Carbonaceous Particle Fractions. <i>Radiocarbon</i> , 2004, 46, 475-484.	1.8	123
7	Radiocarbon analysis in an Alpine ice core: record of anthropogenic and biogenic contributions to carbonaceous aerosols in the past (1650–1940). <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 5381-5390.	4.9	105
8	THEODORE, a two-step heating system for the EC/OC determination of radiocarbon ( <sup>14</sup> C) in the environment. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2004, 223-224, 829-836.	1.4	87
9	A novel radiocarbon dating technique applied to an ice core from the Alps indicating late Pleistocene ages. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	77
10	19th century glacier retreat in the Alps preceded the emergence of industrial black carbon deposition on high-alpine glaciers. <i>Cryosphere</i> , 2018, 12, 3311-3331.	3.9	64
11	Microgram level radiocarbon ( <sup>14</sup> C) determination on carbonaceous particles in ice. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2007, 259, 518-525.	1.4	47
12	Age of the Mt. Ortles ice cores, the Tyrolean Iceman and glaciation of the highest summit of South Tyrol since the Northern Hemisphere Climatic Optimum. <i>Cryosphere</i> , 2016, 10, 2779-2797.	3.9	43
13	Temperature Trends in the Northwestern Tibetan Plateau Constrained by Ice Core Water Isotopes Over the Past 7,000 Years. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032560.	3.3	43
14	Age ranges of the Tibetan ice cores with emphasis on the Chongce ice cores, western Kunlun Mountains. <i>Cryosphere</i> , 2018, 12, 2341-2348.	3.9	36
15	Polychlorinated Biphenyls in Glaciers. 1. Deposition History from an Alpine Ice Core. <i>Environmental Science &amp; Technology</i> , 2014, 48, 7842-7848.	10.0	33
16	Radiocarbon dating of glacier ice: overview, optimisation, validation and potential. <i>Cryosphere</i> , 2016, 10, 3091-3105.	3.9	33
17	A Holocene black carbon ice-core record of biomass burning in the Amazon Basin from Illimani, Bolivia. <i>Climate of the Past</i> , 2019, 15, 579-592.	3.4	29
18	Polychlorinated Biphenyls in a Temperate Alpine Glacier: 1. Effect of Percolating Meltwater on their Distribution in Glacier Ice. <i>Environmental Science &amp; Technology</i> , 2015, 49, 14085-14091.	10.0	23

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19	Apparent discrepancy of Tibetan ice core $\delta^{18}O$ records may be attributed to misinterpretation of chronology. <i>Cryosphere</i> , 2019, 13, 1743-1752.	3.9	23
20	Temperature and precipitation signal in two Alpine ice cores over the period 1961–2001. <i>Climate of the Past</i> , 2014, 10, 1093-1108.	3.4	18
21	A first shallow firn-core record from Glacier La Ollada, Cerro Mercedario, central Argentine Andes. <i>Annals of Glaciology</i> , 2006, 43, 14-22.	1.4	15
22	An automated GC-C-CC-IRMS setup to measure palaeoatmospheric $\delta^{13}C$ , $\delta^{15}N$ and $\delta^{18}O$ in one ice core sample. <i>Atmospheric Measurement Techniques</i> , 2013, 6, 2027-2041.	3.1	14
23	A new thermal drilling system for high-altitude or temperate glaciers. <i>Annals of Glaciology</i> , 2014, 55, 131-136.	1.4	14
24	A combustion setup to precisely reference $\delta^{13}C$ and $\delta^{2}H$ isotope ratios of pure $CH_4$ to produce isotope reference gases of $\delta^{13}C$ - $CH_4$ in synthetic air. <i>Atmospheric Measurement Techniques</i> , 2012, 5, 2227-2236.	3.1	11
25	Application of the radionuclide $^{210}Pb$ in glaciology – an overview. <i>Journal of Glaciology</i> , 2020, 66, 447-456.	2.2	11
26	Brief communication: New evidence further constraining Tibetan ice core chronologies to the Holocene. <i>Cryosphere</i> , 2021, 15, 2109-2114.	3.9	11
27	Radiocarbon dating of alpine ice cores with the dissolved organic carbon (DOC) fraction. <i>Cryosphere</i> , 2021, 15, 1537-1550.	3.9	10
28	Twentieth Century Black Carbon and Dust Deposition on South Cascade Glacier, Washington State, USA, as Reconstructed From a 158-m Long Ice Core. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031126.	3.3	9
29	Alpine Glacier Reveals Ecosystem Impacts of Europe's Prosperity and Peril Over the Last Millennium. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095039.	4.0	8
30	Anthropogenic influence on surface changes at the Olivares glaciers; Central Chile. <i>Science of the Total Environment</i> , 2022, 833, 155068.	8.0	8
31	Significant mass loss in the accumulation area of the Adamello glacier indicated by the chronology of a 46-m ice core. <i>Cryosphere</i> , 2021, 15, 4135-4143.	3.9	7
32	$^{210}Po$ poisoning as possible cause of death: forensic investigations and toxicological analysis of the remains of Yasser Arafat. <i>Forensic Science International</i> , 2016, 259, 1-9.	2.2	6
33	A new setup for simultaneous high-precision measurements of $\delta^{13}C$ , $\delta^{15}N$ and $\delta^{18}O$ on small ice core samples. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 3687-3706.	3.1	5
34	Extraction of Dissolved Organic Carbon from Glacier Ice for Radiocarbon Analysis. <i>Radiocarbon</i> , 2019, 61, 681-694.	1.8	4
35	Corrigendum to "Gas transport in firn: multiple-tracer characterisation and model intercomparison for NEEM, Northern Greenland" published in <i>Atmos. Chem. Phys.</i> , 12, 4259–4277, 2012. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 3571-3572.	4.9	2
36	A quantitative method of resolving annual precipitation for the past millennia from Tibetan ice cores. <i>Cryosphere</i> , 2022, 16, 1997-2008.	3.9	2

#	ARTICLE	IF	CITATIONS
37	ICE CORE METHODS   CO 2 Studies. , 2013, , 311-318.		1
38	Analysis of delta-13C in CO2 at Copenhagen University: Results towards a first CO2 record from Greenland. IOP Conference Series: Earth and Environmental Science, 2009, 6, 012025.	0.3	0