

# Christine HattÄ

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5787100/publications.pdf>

Version: 2024-02-01

122  
papers

14,630  
citations

81839

39  
h-index

24961

109  
g-index

148  
all docs

148  
docs citations

148  
times ranked

16149  
citing authors

#	ARTICLE	IF	CITATIONS
1	EXPERIMENTS AT MODANE UNDERGROUND LABORATORY OR THE SWAN SONG OF RADIOCARBON $\delta^{13}C$ -COUNTING BY GAS PROPORTIONAL COUNTER. Radiocarbon, 2022, 64, 607-613.	0.8	1
2	Rhizodeposition efficiency of pearl millet genotypes assessed on a short growing period by carbon isotopes ( $\delta^{13}C$ and $\delta^{15}N$ ) in soil and plant. Tj ETQq0 0 0 0 BT / Overclock 10 Tf	0.8	0
3	Effects of hydropower management on the sediment composition and metabolism of a small Alpine lake. Hydroecologie Appliquee, 2022, 22, 1.	1.3	0
4	Millennial-scale terrestrial ecosystem responses to Upper Pleistocene climatic changes: 4D-reconstruction of the Schwalbenberg Loess-Palaeosol-Sequence (Middle Rhine Valley, Germany). Catena, 2021, 196, 104913.	2.2	26
5	24.0 kyr cal BP stone artefact from Vale da Pedra Furada, Piauí, Brazil: Techno-functional analysis. PLoS ONE, 2021, 16, e0247965.	1.1	30
6	Intra-interstadial environmental changes in Last Glacial loess revealed by molluscan assemblages from the Upper Palaeolithic site of Amiens-Renancourt 1 (Somme, France). Journal of Quaternary Science, 2021, 36, 1322-1340.	1.1	6
7	Formation Processes of the Late Pleistocene Site Toca da Janela da Barra do Antonião "Piauí-(Brazil). PaleoAmerica, 2021, 7, 260-279.	0.4	6
8	Holocene settlement, stratigraphy and chronology at the site of Uruguai 1-sector 1, Foz do Chapeco <sup>3</sup> archaeological area, South Brazil. Journal of Archaeological Science: Reports, 2021, 39, 103113.	0.2	2
9	Ground-Air Interface: The Loess Sequences, Markers of Atmospheric Circulation. Frontiers in Earth Sciences, 2021, , 157-167.	0.1	2
10	La datation au radiocarbone nous raconte lâ€™histoire des instruments de musique modernes: exemple de vina-s indiennes traditionnelles du Muséum de la musique, Paris. Techne, 2021, , 36-43.	0.0	0
11	$^{13}C$ - $^{14}C$ relations reveal that soil $^{13}C$ -depth gradient is linked to historical changes in vegetation $^{13}C$ . Plant and Soil, 2020, 447, 305-317.	1.8	11
12	The radiocarbon age of mycoheterotrophic plants. New Phytologist, 2020, 227, 1284-1288.	3.5	10
13	Dansgaard-Oeschger-like events of the penultimate climate cycle: the loess point of view. Climate of the Past, 2020, 16, 713-727.	1.3	19
14	An open-source database for the synthesis of soil radiocarbon data: International Soil Radiocarbon Database (ISRaD) version 1.0. Earth System Science Data, 2020, 12, 61-76.	3.7	48
15	Radiocarbon Dating of Legacy Music Instrument Collections: Example of Traditional Indian <i>Vina</i> from the Muséum De La Musique, Paris. Radiocarbon, 2019, 61, 1357-1366.	0.8	6
16	A remarkable Late Saalian (MIS 6) loess (dust) accumulation in the Lower Danube at Harletz (Bulgaria). Quaternary Science Reviews, 2019, 207, 80-100.	1.4	16
17	Including Stable Carbon Isotopes to Evaluate the Dynamics of Soil Carbon in the Land-Surface Model ORCHIDEE. Journal of Advances in Modeling Earth Systems, 2019, 11, 3650-3669.	1.3	13
18	Can SOC modelling be improved by accounting for pedogenesis?. Geoderma, 2019, 338, 513-524.	2.3	10

#	ARTICLE	IF	CITATIONS
19	Radiocarbon and radiocesium in litter fall at Kawamata, 45 km NW from the Fukushima Dai-ichi nuclear power plant (Japan). <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 319, 1093-1101.	0.7	5
20	A luminescence-based chronology for the Harletz loess sequence, Bulgaria. <i>Boreas</i> , 2019, 48, 179-194.	1.2	19
21	Another site, same old song: The Pleistocene-Holocene archaeological sequence of Toca da Janela da Barra do Antonião-North, Piauí, Brazil. <i>Quaternary Geochronology</i> , 2019, 49, 223-229.	0.6	22
22	Large Differences in Global and Regional Total Soil Carbon Stock Estimates Based on SoilGrids, HWSD, and NCSCD: Intercomparison and Evaluation Based on Field Data From USA, England, Wales, and France. <i>Global Biogeochemical Cycles</i> , 2018, 32, 42-56.	1.9	126
23	$\delta^{13}\text{C}$ signal of earthworm calcite granules: A new proxy for palaeoprecipitation reconstructions during the Last Glacial in western Europe. <i>Quaternary Science Reviews</i> , 2018, 179, 158-166.	1.4	21
24	The use of radiocarbon $\delta^{14}\text{C}$ to constrain carbon dynamics in the soil module of the land surface model ORCHIDEE (SVN r5165). <i>Geoscientific Model Development</i> , 2018, 11, 4711-4726.	1.3	6
25	Neolithic water management and flooding in the Lesser Caucasus (Georgia). <i>Quaternary Science Reviews</i> , 2018, 197, 267-287.	1.4	8
26	Atmosphere-soil carbon transfer as a function of soil depth. <i>Nature</i> , 2018, 559, 599-602.	13.7	273
27	European Loess Records $\delta^{13}\text{C}$ , 2018, , .		4
28	The impact of Last Glacial climate variability in west-European loess revealed by radiocarbon dating of fossil earthworm granules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 6209-6214.	3.3	93
29	Turnover of the Soil Organic Matter Amino Acid Fraction Investigated by $\delta^{13}\text{C}$ and $\delta^{14}\text{C}$ Signatures of Carboxyl Carbon. <i>Radiocarbon</i> , 2017, 59, 473-481.	0.8	3
30	Quantification of vertical solid matter transfers in soils during pedogenesis by a multi-tracer approach. <i>Journal of Soils and Sediments</i> , 2017, 17, 408-422.	1.5	16
31	Hydrogen dynamics in soil organic matter as determined by $\delta^{13}\text{C}$ and $\delta^2\text{H}$ labeling experiments. <i>Biogeosciences</i> , 2016, 13, 6587-6598.	1.3	12
32	Labelled microbial culture as a calibration medium for $\delta^{13}\text{C}$ isotope measurement of derivatized compounds: application to <i>tert</i> -butyldimethylsilyl amino acids. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 1991-2001.	0.7	1
33	New Data on a Pleistocene Archaeological Sequence in South America: Toca do Sãtio do Meio, Piauí, Brazil. <i>PaleoAmerica</i> , 2016, 2, 286-302.	0.4	63
34	Fossil redox-conditions influence organic matter composition in loess paleosols. <i>Quaternary International</i> , 2016, 418, 105-115.	0.7	7
35	Late Pleistocene climate evolution in Southeastern Europe recorded by soil bacterial membrane lipids in Serbian loess. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016, 449, 141-148.	1.0	21
36	Palaeotemperature reconstruction during the Last Glacial from $\delta^{18}\text{O}$ of earthworm calcite granules from Nussloch loess sequence, Germany. <i>Earth and Planetary Science Letters</i> , 2016, 442, 13-20.	1.8	28

#	ARTICLE	IF	CITATIONS
37	What drives LGM precipitation over the western Mediterranean? A study focused on the Iberian Peninsula and northern Morocco. <i>Climate Dynamics</i> , 2016, 46, 2611-2631.	1.7	43
38	Deep soil carbon dynamics are driven more by soil type than by climate: a worldwide meta-analysis of radiocarbon profiles. <i>Global Change Biology</i> , 2015, 21, 4278-4292.	4.2	178
39	14C in Plant Macrofossils. <i>Encyclopedia of Earth Sciences Series</i> , 2015, , 127-132.	0.1	0
40	New insights into a late-Pleistocene human occupation in America: The Vale da Pedra Furada complete chronological study. <i>Quaternary Geochronology</i> , 2015, 30, 445-451.	0.6	28
41	An inverse modeling approach for tree-ring-based climate reconstructions under changing atmospheric CO <sub>2</sub> concentrations. <i>Biogeosciences</i> , 2014, 11, 3245-3258.	1.3	23
42	Measurement of <sup>13</sup> C values of soil amino acids by GC-IRMS using trimethylsilylation: a critical assessment. <i>Isotopes in Environmental and Health Studies</i> , 2014, 50, 516-530.	0.5	11
43	European glacial dust deposits: Geochemical constraints on atmospheric dust cycle modeling. <i>Geophysical Research Letters</i> , 2014, 41, 7666-7674.	1.5	38
44	Compound-specific 13C and 14C measurements improve the understanding of soil organic matter dynamics. <i>Biogeochemistry</i> , 2014, 118, 205-223.	1.7	36
45	Elevation-induced climate change as a dominant factor causing the late Miocene <sup>4</sup> C plant expansion in the Himalayan foreland. <i>Global Change Biology</i> , 2014, 20, 1461-1472.	4.2	11
46	De l'utilisation des isotopes stables du carbone dans la datation par la méthode du radiocarbone. <i>Anthropologie</i> , 2014, 118, 194-200.	0.1	7
47	Ligno-aliphatic complexes in soils revealed by an isolation procedure: implication for lignin fate. <i>Biology and Fertility of Soils</i> , 2013, 49, 517-526.	2.3	9
48	High-resolution record of the environmental response to climatic variations during the Last Interglacial-Glacial cycle in Central Europe: the loess-palaeosol sequence of DolnÄ-VÄstönice (Czech Republic). <i>Quaternary</i> , 2013, 28, 109-120.	0.4	0
49	RADIOCARBON DATING   14C of Plant Macrofossils. , 2013, , 361-367.		8
50	The loess sequence of DolnÄ-VÄstönice, Czech Republic: A new OSL-based chronology of the Last Interglacial cycle. <i>Boreas</i> , 2013, 42, 664-677.	1.2	73
51	14C in Plant Macrofossils. , 2013, , 1-10.		1
52	Radiocarbon Dating of Recent Intertidal Microbial Mats on Atoll Rims. <i>Radiocarbon</i> , 2013, 55, 1603-1616.	0.8	1
53	Selection and Treatment of Data for Radiocarbon Calibration: An Update to the International Calibration (IntCal) Criteria. <i>Radiocarbon</i> , 2013, 55, 1923-1945.	0.8	134
54	Direct <sup>14</sup> C Dating of Early and Mid-Holocene Saharan Pottery. <i>Radiocarbon</i> , 2013, 55, 1391-1402.	0.8	13

#	ARTICLE	IF	CITATIONS
55	IntCal13 and Marine13 Radiocarbon Age Calibration Curves 0â€“50,000 Years cal BP. Radiocarbon, 2013, 55, 1869-1887.	0.8	9,487
56	Refining the SarliÃve Paleolake (France) Neolithic Chronology by Combining Several Radiocarbon Approaches. Radiocarbon, 2013, 55, 979-992.	0.8	8
57	Excursions to C&lt;sub&gt;4&lt;/sub&gt; vegetation recorded in the Upper Pleistocene loess of Surduk (Northern Serbia): an organic isotope geochemistry study. Climate of the Past, 2013, 9, 1001-1014.	1.3	53
58	Modeling dust emission response to North Atlantic millennial-scale climate variations from the perspective of East European MIS 3 loess deposits. Climate of the Past, 2013, 9, 1385-1402.	1.3	46
59	LOESS RECORDS   Europe. , 2013, , 606-619.		6
60	Major dust events in Europe during marine isotope stage 5 (130â€“74 ka): a climatic interpretation of the &quot;markers&quot;. Climate of the Past, 2013, 9, 2213-2230.	1.3	23
61	Direct 14C Dating of Early and Mid-Holocene Saharan Pottery. Radiocarbon, 2013, 55, .	0.8	1
62	Radiocarbon Dating of Recent Intertidal Microbial Mats on Atoll Rims. Radiocarbon, 2013, 55, .	0.8	0
63	Refining the SarliÃve Paleolake (France) Neolithic Chronology by Combining Several Radiocarbon Approaches. Radiocarbon, 2013, 55, .	0.8	1
64	MAIDENiso: a multiproxy biophysical model of tree-ring width and oxygen and carbon isotopes. Canadian Journal of Forest Research, 2012, 42, 1697-1713.	0.8	27
65	The Paleoenvironment and Lithic Taphonomy of <sc>S</sc>hiâ™<sc>B</sc>at <sc>D</sc>ihya 1, a Middle Paleolithic Site in <sc>W</sc>adi <sc>S</sc>urdu, <sc>Y</sc>emen. Geoarchaeology - an International Journal, 2012, 27, 471-491.	0.7	30
66	North Atlantic abrupt climatic events of the last glacial period recorded in Ukrainian loess deposits. Climate of the Past, 2011, 7, 221-234.	1.3	77
67	6<sup>th</sup> Congress of the French Society of Stable Isotopes (SociÃtÃ FranÃsaise des Isotopes) Tj ETQq1 1 0.784314 rgBT Spectrometry, 2011, 25, 2673-2674.	0.7	0
68	Northeastern Atlantic cold-water coral reefs and climate. Geology, 2011, 39, 743-746.	2.0	88
69	Dating Human Occupation on Diatom-Phytolith-Rich Sediment: Case Studies of Mustang Spring and Lubbock Lake, Texas, USA. Radiocarbon, 2010, 52, 13-24.	0.8	7
70	An improved methodology of the modern analogues technique for palaeoclimate reconstruction in arid and semiâarid regions. Boreas, 2010, 39, 145-153.	1.2	54
71	&lt;i>Corrigendum to&lt;/i> &quot;Climate reconstruction from pollen and Î13C records using inverse vegetation modeling â“ Implication for past and future climates&quot; published in Clim. Past, 5, 147â“156, 2009. Climate of the Past, 2010, 6, 83-84.	1.3	0
72	Cultural and trade practices in Sincu Bara (Senegal): a multi-proxy investigation. Journal of Archaeological Science, 2010, 37, 561-568.	1.2	7

#	ARTICLE	IF	CITATIONS
73	Climate reconstruction from pollen and $\delta^{13}C$ records using inverse vegetation modeling – Implication for past and future climates. <i>Climate of the Past</i> , 2009, 5, 147-156.	1.3	17
74	The Long-Term Tupiguarani Occupation in Southeastern Brazil. <i>Radiocarbon</i> , 2009, 51, 937-946.	0.8	15
75	A few prospective ideas on climate reconstruction: from a statistical single proxy approach towards a multi-proxy and dynamical approach. <i>Climate of the Past</i> , 2009, 5, 571-583.	1.3	47
76	Preface. <i>Isotopes in Environmental and Health Studies</i> , 2009, 45, 273-274.	0.5	0
77	Foreword. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 2389-2389.	0.7	0
78	High-resolution record of the last climatic cycle in the southern Carpathian Basin (Surduk, Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td	0.7	132
79	Imprint of North-Atlantic abrupt climate changes on western European loess deposits as viewed in a dust emission model. <i>Quaternary Science Reviews</i> , 2009, 28, 2851-2866.	1.4	61
80	Rapid and cyclic aeolian deposition during the Last Glacial in European loess: a high-resolution record from Nussloch, Germany. <i>Quaternary Science Reviews</i> , 2009, 28, 2955-2973.	1.4	262
81	Chronology of Upper Pleistocene sequences at Sidi Messaoud (wadi Noun, southwestern Morocco) based on $^{14}C$ , optical and U-series dating. <i>Quaternary Geochronology</i> , 2009, 4, 326-334.	0.6	7
82	Marine chronology based on $^{14}C$ dating on diatoms proteins. <i>Marine Chemistry</i> , 2008, 109, 143-151.	0.9	30
83	Chronology of the Last Climatic Cycle (Upper Pleistocene) of the Surduk loess sequence, Vojvodina, Serbia. <i>Boreas</i> , 2008, 37, 66-73.	1.2	76
84	Effects of handling, storage, and chemical treatments on $\delta^{13}C$ values of terrestrial fossil organic matter. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	1.0	20
85	15. Estimates of temperature and precipitation variations during the Eemian interglacial: New data from the grande pile record (GP XXI). <i>Developments in Quaternary Sciences</i> , 2007, , 231-238.	0.1	4
86	LOESS RECORDS   Europe. , 2007, , 1440-1456.		20
87	Evidence of cyclic dust deposition in the US Great plains during the last deglaciation from the high-resolution analysis of the Peoria Loess in the Eustis sequence (Nebraska, USA). <i>Earth and Planetary Science Letters</i> , 2007, 262, 159-174.	1.8	25
88	Link between European and North Atlantic abrupt climate changes over the last glaciation. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	99
89	RADIOCARBON DATING   Plant Macrofossils. , 2007, , 2958-2965.		9
90	Reconstruction of the Grande Pile Eemian using inverse modeling of biomes and $\delta^{13}C$ . <i>Quaternary Science Reviews</i> , 2006, 25, 2806-2819.	1.4	42

#	ARTICLE	IF	CITATIONS
91	Reconstruction of climate and vegetation changes of Lake Bayanchagan (Inner Mongolia): Holocene variability of the East Asian monsoon. <i>Quaternary Research</i> , 2006, 65, 411-420.	1.0	235
92	Palaeoprecipitation reconstruction by inverse modelling using the isotopic signal of loess organic matter: application to the NuÄloch loess sequence (Rhine Valley, Germany). <i>Climate Dynamics</i> , 2005, 25, 315-327.	1.7	87
93	Radionuclides transfer between water and atmosphere in the Loire estuary (FLORE project). <i>Radioprotection</i> , 2005, 40, S557-S562.	0.5	3
94	Carbon 14 transfer from seawater to the atmosphere through degassing processes in the Bay of Seine (North-West of France). <i>Radioprotection</i> , 2005, 40, S595-S600.	0.5	2
95	Rapid climatic changes of the last 90 kyr recorded on the European continent. <i>Comptes Rendus - Geoscience</i> , 2005, 337, 970-982.	0.4	31
96	<sup>14</sup> C Sources and Distribution in the Vicinity of La Hague Nuclear Reprocessing Plant: Part liê”Terrestrial Environment. <i>Radiocarbon</i> , 2004, 46, 827-830.	0.8	29
97	<sup>14</sup> C Sources and Distribution in the Vicinity of La Hague Nuclear Reprocessing Plant: Part liê”Marine Environment. <i>Radiocarbon</i> , 2004, 46, 831-839.	0.8	10
98	Reconstruction of paleoclimates by isotopic analysis: What can the fossil isotopic record tell us about the plant life of past environments?. <i>Phytochemistry Reviews</i> , 2003, 2, 163-177.	3.1	10
99	Les palÄoenvironnements de la fin du PlÄistocÄne et de liê”HolocÄne dans la rÄserve de la LopÄ (Gabon): approche par les indicateurs gÄomorphologiques, sÄdimentologiques, phytologiques, gÄochimiques et anthropogÄnes des milieux enregistreurs de la dÄpression de la LopÄ. <i>Anthropologie</i> , 2003, 107, 291-307.	0.1	14
100	High-resolution chronologies for loess: comparing AMS <sup>14</sup> C and optical dating results. <i>Quaternary Science Reviews</i> , 2003, 22, 953-959.	1.4	133
101	Development of an Automated System for Preparation of organic samples. <i>Radiocarbon</i> , 2003, 45, 421-430.	0.8	18
102	Abrupt millennial climatic changes from Nussloch (Germany) Upper Weichselian eolian records during the Last Glaciation. <i>Quaternary Science Reviews</i> , 2002, 21, 1577-1582.	1.4	167
103	Identification of sources and distribution of radiocarbon in the vicinity of La Hague nuclear reprocessing plant. <i>Radioprotection</i> , 2002, 37, C1-1271-C1-1276.	0.5	3
104	High-resolution record of the last InterglacialÄglacial cycle in the Nussloch loessÄpalaeosol sequences, Upper Rhine Area, Germany. <i>Quaternary International</i> , 2001, 76-77, 211-229.	0.7	245
105	Development of Accurate and Reliable <sup>14</sup> C Chronologies for Loess Deposits: Application to the Loess Sequence of Nussloch (Rhine Valley, Germany). <i>Radiocarbon</i> , 2001, 43, 611-618.	0.8	68
106	Is Classical Acid-Alkali-Acid Treatment Responsible for Contamination? An Alternative Proposition. <i>Radiocarbon</i> , 2001, 43, 177-182.	0.8	71
107	Ä <sup>13</sup> C of Loess Organic Matter as a Potential Proxy for Paleoprecipitation. <i>Quaternary Research</i> , 2001, 55, 33-38.	1.0	118
108	Radiocarbon Calibration by Means of Varves Versus <sup>14</sup> C Ages of Terrestrial Macrofossils from Lake GoÄciÄ.Ä¼ and Lake Perespilno, Poland. <i>Radiocarbon</i> , 2000, 42, 335-348.	0.8	30

#	ARTICLE	IF	CITATIONS
109	Investigations on the evolution of subsistence economy in the Qazvin Plain (Iran) from the Neolithic to the Iron Age. <i>Antiquity</i> , 1999, 73, 65-76.	0.5	26
110	Last interglacial-glacial climatic cycle in loess-palaeosol successions of north-western France. <i>Boreas</i> , 1999, 28, 551-563.	1.2	92
111	The C37 alkenone record of seawater temperature during seasonal thermocline stratification. <i>Marine Chemistry</i> , 1999, 64, 301-313.	0.9	48
112	Corrigendum to: The C37 alkenone record of seawater temperature during seasonal thermocline stratification [ <i>Marine Chemistry</i> 64 (1999) 301-313]. <i>Marine Chemistry</i> , 1999, 67, 145.	0.9	0
113	El Niño Variability in the Coastal Desert of Southern Peru during the Mid-Holocene. <i>Quaternary Research</i> , 1999, 52, 171-179.	1.0	79
114	Magma-derived CO2 emissions recorded in and content of plants growing in Furnas caldera, Azores. <i>Journal of Volcanology and Geothermal Research</i> , 1999, 92, 195-207.	0.8	65
115	New chronology and organic matter paleoclimatic significance of Nußloch loess sequence (Rhine) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 55</i>	0.7	55
116	From Pleniglacial to Holocene: a 14C chronostratigraphy of environmental changes in the Konya Plain, Turkey. <i>Quaternary Science Reviews</i> , 1999, 18, 573-591.	1.4	100
117	Quaternary marine terraces and tectonic uplift rates on the south coast of Iran. <i>Geological Society Special Publication</i> , 1999, 146, 225-237.	0.8	26
118	Last interglacial-glacial climatic cycle in loess-palaeosol successions of north-western France. <i>Boreas</i> , 1999, 28, 551-563.	1.2	18
119	Identification and dating of tephra layers from Quaternary sedimentary sequences of Inner Anatolia, Turkey. <i>Journal of Volcanology and Geothermal Research</i> , 1998, 85, 153-172.	0.8	55
120	Sea-level and subsidence data from a Late Holocene back-barrier lagoon (Valle Staudiana, Ravenna) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 14</i>	0.9	14
121	δ13C variations of loess organic matter as a record of the vegetation response to climatic changes during the Weichselian. <i>Geology</i> , 1998, 26, 583.	2.0	97
122	JÄ%RÄ"ME BALESIDENT (1957-2020): IN MEMORIAM. <i>Radiocarbon</i> , 0, , 1-2.	0.8	0