

SÃ¶nke Szidat

List of Publications by Year in descending order

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Version: 2024-02-01

171
papers

13,837
citations

53939

47
h-index

28425

109
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233
docs citations

233
times ranked

12327
citing authors

#	ARTICLE	IF	CITATIONS
1	14C Research at the Laboratory for the Analysis of Radiocarbon with AMS (LARA), University of Bern. <i>Chimia</i> , 2022, 74, 1010.	0.3	1
2	Carbon-14 release and speciation during corrosion of irradiated steel under radioactive waste disposal conditions. <i>Science of the Total Environment</i> , 2022, 817, 152596.	3.9	3
3	Chipped Stone Assemblage of the Layer B of the Kamyana Mohyla 1 Site (South-Eastern Ukraine) and the Issue of Kukrek in the North Meotic Steppe Region. <i>Open Archaeology</i> , 2022, 8, 85-113.	0.3	5
4	Central Mongolian lake sediments reveal new insights on climate change and equestrian empires in the Eastern Steppes. <i>Scientific Reports</i> , 2022, 12, 2829.	1.6	9
5	The well-preserved Late Neolithic dolmen burial of Oberbipp, Switzerland. Construction, use, and post-depositional processes. <i>Journal of Archaeological Science: Reports</i> , 2022, 42, 103397.	0.2	0
6	Migration of iodine-129 and iodine-127 in soils. <i>Kerntechnik</i> , 2022, 68, 155-167.	0.2	24
7	Holocene Temperature Variations in Semi-Arid Central Mongolia—A Chronological and Sedimentological Perspective From a 7400-year Lake Sediment Record From the Khangai Mountains. <i>Frontiers in Earth Science</i> , 2022, 10, .	0.8	4
8	An evaluation of source apportionment of fine OC and PM _{2.5} by multiple methods: APHH-Beijing campaigns as a case study. <i>Faraday Discussions</i> , 2021, 226, 290-313.	1.6	12
9	Troubles in Tuva: Patterns of perimortem trauma in a nomadic community from Southern Siberia (second to fourth c. CE). <i>American Journal of Physical Anthropology</i> , 2021, 174, 3-19.	2.1	11
10	Electrospray Mediated Localized and Targeted Chemotherapy in a Mouse Model of Lung Cancer. <i>Frontiers in Pharmacology</i> , 2021, 12, 643492.	1.6	3
11	The Early Bronze Age dendrochronology of Sovjan (Albania): A first tree-ring sequence of the 24th – 22nd c. BC for the southwestern Balkans. <i>Dendrochronologia</i> , 2021, 66, 125811.	1.0	3
12	Source apportionment of carbonaceous aerosols in Beijing with radiocarbon and organic tracers: insight into the differences between urban and rural sites. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 8273-8292.	1.9	15
13	Deep Ocean Storage of Heat and CO ₂ in the Fram Strait, Arctic Ocean During the Last Glacial Period. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2021PA004216.	1.3	4
14	Revisiting the subalpine Mesolithic site Ullafelsen in the Fotsch Valley, Stubai Alps, Austria – new insights into pedogenesis and landscape evolution from leaf-wax-derived n-alkanes, black carbon and radiocarbon dating. <i>E&G Quaternary Science Journal</i> , 2021, 70, 171-186.	0.2	4
15	Holocene sea level and environmental change at the southern Cape – an 8.5 kyr multi-proxy paleoclimate record from Lake Voelvlei, South Africa. <i>Climate of the Past</i> , 2021, 17, 1567-1586.	1.3	4
16	First absolute chronologies of neolithic and bronze age settlements at Lake Ohrid based on dendrochronology and radiocarbon dating. <i>Journal of Archaeological Science: Reports</i> , 2021, 38, 103107.	0.2	8
17	Source-specific light absorption by carbonaceous components in the complex aerosol matrix from yearly filter-based measurements. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 12809-12833.	1.9	15
18	Soil carbon loss from drained agricultural peatland after coverage with mineral soil. <i>Science of the Total Environment</i> , 2021, 800, 149498.	3.9	10

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19	Late Holocene Climate Changes in the Altai Region Based on a First High-Resolution Biomarker Isotope Record From Lake Khar Nuur. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094299.	1.5	10
20	Meteorite terrestrial ages in Oman based on gamma spectrometry and sediment dating, focusing on the Ramlat Fasad dense collection area. <i>Meteoritics and Planetary Science</i> , 2021, 56, 2017-2034.	0.7	3
21	Vegetation and disturbance history of the Bavarian Forest National Park, Germany. <i>Vegetation History and Archaeobotany</i> , 2020, 29, 277-295.	1.0	23
22	Inverse response of ²³¹ Pa/ ²³⁰ Th to variations of the Atlantic meridional overturning circulation in the North Atlantic intermediate water. <i>Geo-Marine Letters</i> , 2020, 40, 75-87.	0.5	1
23	A Holocene high-resolution record of aquatic productivity, seasonal anoxia and meromixis from varved sediments of Lake Åezduny, North-Eastern Poland: insight from a novel multi-proxy approach. <i>Journal of Quaternary Science</i> , 2020, 35, 1070-1080.	1.1	13
24	Glacial heterogeneity in Southern Ocean carbon storage abated by fast South Indian deglacial carbon release. <i>Nature Communications</i> , 2020, 11, 6192.	5.8	27
25	High-Resolution Historical Record of Plant Protection Product Deposition Documented by Target and Nontarget Trend Analysis in a Swiss Lake under Anthropogenic Pressure. <i>Environmental Science & Technology</i> , 2020, 54, 13090-13100.	4.6	7
26	AN UPDATE ON THE PERFORMANCE OF THE IN SITU ¹⁴ C EXTRACTION LINE AT THE UNIVERSITY OF BERN. <i>Radiocarbon</i> , 2020, 62, 1371-1388.	0.8	3
27	Age and origin of leaf wax n-alkanes in fluvial sediment paleosol sequences and implications for paleoenvironmental reconstructions. <i>Hydrology and Earth System Sciences</i> , 2020, 24, 2105-2120.	1.9	16
28	Revisiting afro-alpine Lake Garba Guracha in the Bale Mountains of Ethiopia: rationale, chronology, geochemistry, and paleoenvironmental implications. <i>Journal of Paleolimnology</i> , 2020, 64, 293-314.	0.8	9
29	The influences of historic lake trophy and mixing regime changes on long-term phosphorus fraction retention in sediments of deep eutrophic lakes: a case study from Lake BurgÄschi, Switzerland. <i>Biogeosciences</i> , 2020, 17, 2715-2729.	1.3	10
30	Online Chemical Characterization and Source Identification of Summer and Winter Aerosols in MÄfgurele, Romania. <i>Atmosphere</i> , 2020, 11, 385.	1.0	6
31	Fossil and Non-fossil Fuel Sources of Organic and Elemental Carbonaceous Aerosol in Beijing, Shanghai, and Guangzhou: Seasonal Carbon Source Variation. <i>Aerosol and Air Quality Research</i> , 2020, 20, 2495-2506.	0.9	16
32	Late Holocene tephrostratigraphy from Cajas National Park, southern Ecuador. <i>Andean Geology</i> , 2020, 47, 508.	0.2	6
33	Climate impacts on vegetation and fire dynamics since the last deglaciation at Moossee (Switzerland). <i>Climate of the Past</i> , 2020, 16, 1347-1367.	1.3	26
34	Miniature radiocarbon measurements (¹⁵ Δ ¹⁴ C) from sediments of Lake ÅabiÅ„skie, Poland: effect of precision and dating density on age depth models. <i>Geochronology</i> , 2020, 2, 63-79.	1.0	9
35	Determination of ultra-low concentrations of gaseous ¹⁴ C-bearing hydrocarbons produced during corrosion of irradiated steel using accelerator mass spectrometry. <i>Analyst</i> , 2020, 145, 7870-7883.	1.7	3
36	Radiocarbon Wiggle Matching on Laminated Sediments Delivers High-Precision Chronologies. <i>Radiocarbon</i> , 2019, 61, 265-285.	0.8	18

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37	Compound-Specific Radiocarbon Analysis of Atmospheric Methane: A New Preconcentration and Purification Setup. <i>Radiocarbon</i> , 2019, 61, 1461-1476.	0.8	11
38	A Low-cost Continuous-flow Gas Interface for Coupling an Elemental Analyzer with a Micadas AMS: gas flow Mathematical Model and first results. <i>Radiocarbon</i> , 2019, 61, 1795-1804.	0.8	1
39	Increased uranium concentrations in ground and surface waters of the Swiss Plateau: A result of uranium accumulation and leaching in the Molasse basin and (ancient) wetlands?. <i>Journal of Environmental Radioactivity</i> , 2019, 208-209, 106026.	0.9	3
40	Multiple Radiocarbon Dating of Human remains: Clarifying the Chronology and Sequences of Burials in the late Neolithic Dolmen of Oberbipp (Switzerland). <i>Radiocarbon</i> , 2019, 61, 1697-1709.	0.8	6
41	Holocene land cover change in south-western Amazonia inferred from paleoflood archives. <i>Global and Planetary Change</i> , 2019, 174, 105-114.	1.6	19
42	The EMEP Intensive Measurement Period campaign, 2008–2009: characterizing carbonaceous aerosol at nine rural sites in Europe. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 4211-4233.	1.9	20
43	Extraction of Dissolved Organic Carbon from Glacier Ice for Radiocarbon Analysis. <i>Radiocarbon</i> , 2019, 61, 681-694.	0.8	4
44	Influence of Ocean Circulation and Benthic Exchange on Deep Northwest Atlantic Nd Isotope Records During the Past 30,000 Years. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 4457-4469.	1.0	18
45	The resilience and sensitivity of Northeast Atlantic deep water $\delta^{15}\text{N}$ to overprinting by detrital fluxes over the past 30,000 years. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 245, 79-97.	1.6	42
46	Evidence of Rural and Suburban Sources of Urban Haze Formation in China: A Case Study From the Pearl River Delta Region. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 4712-4726.	1.2	24
47	An alternative method to determine the share of fossil carbon in solid refuse-derived fuels – Validation and comparison with three standardized methods. <i>Fuel</i> , 2018, 220, 916-930.	3.4	14
48	Insights into organic-aerosol sources via a novel laser-desorption/ionization mass spectrometry technique applied to one year of PM ₁₀ samples from nine sites in central Europe. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 2155-2174.	1.9	7
49	Large contribution of fossil fuel derived secondary organic carbon to water soluble organic aerosols in winter haze in China. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 4005-4017.	1.9	49
50	Radiocarbon Measurements of Small-Size Foraminiferal Samples with the Mini Carbon Dating System (MICADAS) at the University of Bern: Implications for Paleoclimate Reconstructions. <i>Radiocarbon</i> , 2018, 60, 469-491.	0.8	35
51	An empirical perspective for understanding climate change impacts in Switzerland. <i>Regional Environmental Change</i> , 2018, 18, 205-221.	1.4	23
52	Response of peat decomposition to corn straw addition in managed organic soils. <i>Geoderma</i> , 2018, 309, 75-83.	2.3	15
53	Pyrogenic Carbon Contributes Substantially to Carbon Storage in Intact and Degraded Northern Peatlands. <i>Land Degradation and Development</i> , 2018, 29, 2082-2091.	1.8	35
54	Composition and sources of carbonaceous aerosols in Northern Europe during winter. <i>Atmospheric Environment</i> , 2018, 173, 127-141.	1.9	52

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55	Current Performance and Preliminary Results of a New ¹⁴ C Extraction Line for Meteorites at the University of Bern. Radiocarbon, 2018, 60, 601-615.	0.8	3
56	Quantification of dissolved organic ¹⁴ C-containing compounds by accelerator mass spectrometry in a corrosion experiment with irradiated steel. Radiocarbon, 2018, 60, 1711-1727.	0.8	7
57	Advanced source apportionment of carbonaceous aerosols by coupling offline AMS and radiocarbon size-segregated measurements over a nearly 2-year period. Atmospheric Chemistry and Physics, 2018, 18, 6187-6206.	1.9	54
58	Simulation of fine organic aerosols in the western Mediterranean area during the ChArMEx 2013 summer campaign. Atmospheric Chemistry and Physics, 2018, 18, 7287-7312.	1.9	27
59	Meteorite reconnaissance in Saudi Arabia. Meteoritics and Planetary Science, 2018, 53, 2372-2394.	0.7	8
60	Analysis of ¹⁴ C-bearing compounds released by the corrosion of irradiated steel using accelerator mass spectrometry. Analyst, The, 2018, 143, 3059-3067.	1.7	6
61	Lipid biomarkers in aeolian sediments under desert pavements â€ potential and first results from the Black Rock Desert, Utah, USA, and Fuerteventura, Canary Islands, Spain. E&G Quaternary Science Journal, 2018, 66, 103-108.	0.2	4
62	Radiocarbon Dating of Leaf Waxes in the Loess-Paleosol Sequence Kurtak, Central Siberia. Radiocarbon, 2017, 59, 165-176.	0.8	20
63	A Continuous-Flow Gas Interface of a Thermal/Optical Analyzer With ¹⁴ C AMS for Source Apportionment of Atmospheric Aerosols. Radiocarbon, 2017, 59, 921-932.	0.8	5
64	Consequences of planned afforestation versus natural forest regrowth after disturbance for soil C stocks in Eastern European mountains. Geoderma, 2017, 297, 19-27.	2.3	7
65	Seasonality of cladoceran and bryozoan resting stage $\delta^{13}C$ values and implications for their use as palaeolimnological indicators of lacustrine carbon cycle dynamics. Journal of Paleolimnology, 2017, 57, 141-156.	0.8	12
66	Compatibility of Atmospheric ¹⁴ CO ₂ Measurements: Comparing the Heidelberg Low-Level Counting Facility to International Accelerator Mass Spectrometry (AMS) Laboratories. Radiocarbon, 2017, 59, 875-883.	0.8	15
67	High Contribution of Nonfossil Sources to Submicrometer Organic Aerosols in Beijing, China. Environmental Science & Technology, 2017, 51, 7842-7852.	4.6	58
68	Radiocarbon Dating of Bones at the LARA Laboratory in Bern, Switzerland. Radiocarbon, 2017, 59, 831-842.	0.8	24
69	Sources and formation mechanisms of carbonaceous aerosol at a regional background site in the Netherlands: insights from a year-long radiocarbon study. Atmospheric Chemistry and Physics, 2017, 17, 3233-3251.	1.9	34
70	Organic carbon at a remote site of the western Mediterranean Basin: sources and chemistry during the ChArMEx SOP2 field experiment. Atmospheric Chemistry and Physics, 2017, 17, 8837-8865.	1.9	45
71	Estimation of the fossil fuel component in atmospheric CO ₂ based on radiocarbon measurements at the Beromünster tall tower, Switzerland. Atmospheric Chemistry and Physics, 2017, 17, 10753-10766.	1.9	18
72	Evaluation of the absorption Å...ngstrÅm exponents for traffic and wood burning in the Aethalometer-based source apportionment using radiocarbon measurements of ambient aerosol. Atmospheric Chemistry and Physics, 2017, 17, 4229-4249.	1.9	272

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73	Evaluating the impact of new observational constraints on P-S/IVOC emissions, multi-generation oxidation, and chamber wall losses on SOA modeling for Los Angeles, CA. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 9237-9259.	1.9	36
74	Transient uplift of a long-term quiescent coast inferred from raised fan delta sediments. <i>Lithosphere</i> , 2017, 9, 796-802.	0.6	2
75	Evaluation and Inter-Comparison of Oxygen-Based OC-EC Separation Methods for Radiocarbon Analysis of Ambient Aerosol Particle Samples. <i>Atmosphere</i> , 2017, 8, 226.	1.0	17
76	The origin of methane in the East Siberian Arctic Shelf unraveled with triple isotope analysis. <i>Biogeosciences</i> , 2017, 14, 2283-2292.	1.3	48
77	Late Quaternary climate and environmental reconstruction based on leaf wax analyses in the loess sequence of MÄŕhlin, Switzerland. <i>E&G Quaternary Science Journal</i> , 2017, 66, 91-100.	0.2	2
78	Characterization and source apportionment of organic aerosol using offline aerosol mass spectrometry. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 23-39.	1.2	110
79	Radiocarbon dating of glacier ice: overview, optimisation, validation and potential. <i>Cryosphere</i> , 2016, 10, 3091-3105.	1.5	33
80	Wintertime organic and inorganic aerosols in Lanzhou, China: sources, processes, and comparison with the results during summer. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 14937-14957.	1.9	83
81	Land Use Affects Carbon Sources to the Pelagic Food Web in a Small Boreal Lake. <i>PLoS ONE</i> , 2016, 11, e0159900.	1.1	17
82	Palaeo-geoeological significance of Pleistocene trees in the Lluta Valley, Atacama Desert. <i>Journal of Quaternary Science</i> , 2016, 31, 203-213.	1.1	11
83	Secondary organic aerosol origin in an urban environment: influence of biogenic and fuel combustion precursors. <i>Faraday Discussions</i> , 2016, 189, 337-359.	1.6	40
84	Fossil and Nonfossil Sources of Organic and Elemental Carbon Aerosols in the Outflow from Northeast China. <i>Environmental Science & Technology</i> , 2016, 50, 6284-6292.	4.6	45
85	Reactivation of the Pleistocene trans-Arabian Wadi ad Dawasir fluvial system (Saudi Arabia) during the Holocene humid phase. <i>Geomorphology</i> , 2016, 270, 88-101.	1.1	23
86	The importance of non-fossil sources in carbonaceous aerosols in a megacity of central China during the 2013 winter haze episode: A source apportionment constrained by radiocarbon and organic tracers. <i>Atmospheric Environment</i> , 2016, 144, 60-68.	1.9	29
87	Calculating carbon changes in peat soils drained for forestry with four different profile-based methods. <i>Forest Ecology and Management</i> , 2016, 381, 29-36.	1.4	19
88	Source apportionment and dynamic changes of carbonaceous aerosols during the haze bloom-decay process in China based on radiocarbon and organic molecular tracers. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 2985-2996.	1.9	32
89	Fossil and non-fossil source contributions to atmospheric carbonaceous aerosols during extreme spring grassland fires in Eastern Europe. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 5513-5529.	1.9	35
90	Characterization of the Axial Jet Separator with a CO ₂ /Helium Mixture: Toward GC-AMS Hyphenation. <i>Analytical Chemistry</i> , 2016, 88, 1647-1653.	3.2	3

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91	What are the Sources of Aerosols during Haze Events in China?. <i>Chimia</i> , 2015, 69, 368-368.	0.3	0
92	Modeling the formation and aging of secondary organic aerosols in Los Angeles during CalNex 2010. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 5773-5801.	1.9	139
93	Sources and contributions of wood smoke during winter in London: assessing local and regional influences. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 3149-3171.	1.9	76
94	In situ, satellite measurement and model evidence on the dominant regional contribution to fine particulate matter levels in the Paris megacity. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 9577-9591.	1.9	92
95	Fossil vs. non-fossil sources of fine carbonaceous aerosols in four Chinese cities during the extreme winter haze episode of 2013. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 1299-1312.	1.9	163
96	Accuracy and precision of $\delta^{14}\text{C}$ -based source apportionment of organic and elemental carbon in aerosols using the Swiss_4S protocol. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 3729-3743.	1.2	9
97	Biogeochemical indicators of peatland degradation â€“ a case study of a temperate bog in northern Germany. <i>Biogeosciences</i> , 2015, 12, 2861-2871.	1.3	97
98	The effect of brain size evolution on feeding propensity, digestive efficiency, and juvenile growth. <i>Evolution; International Journal of Organic Evolution</i> , 2015, 69, 3013-3020.	1.1	26
99	The Molecular Identification of Organic Compounds in the Atmosphere: State of the Art and Challenges. <i>Chemical Reviews</i> , 2015, 115, 3919-3983.	23.0	417
100	AMS-C14 analysis of graphite obtained with an Automated Graphitization Equipment (AGE III) from aerosol collected on quartz filters. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015, 361, 419-422.	0.6	6
101	Source Apportionment of Elemental Carbon in Beijing, China: Insights from Radiocarbon and Organic Marker Measurements. <i>Environmental Science & Technology</i> , 2015, 49, 8408-8415.	4.6	83
102	Wet deposition of fossil and non-fossil derived particulate carbon: Insights from radiocarbon measurement. <i>Atmospheric Environment</i> , 2015, 115, 257-262.	1.9	15
103	A millennial-long record of warm season precipitation and flood frequency for the North-western Alps inferred from varved lake sediments: implications for the future. <i>Quaternary Science Reviews</i> , 2015, 115, 89-100.	1.4	47
104	Online coupling of pure O ₂ thermo-optical methods â€“ ^{14}C AMS for source apportionment of carbonaceous aerosols. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015, 361, 288-293.	0.6	18
105	Enhanced light absorption by mixed source black and brown carbon particles in UK winter. <i>Nature Communications</i> , 2015, 6, 8435.	5.8	266
106	Development of a method for fast and automatic radiocarbon measurement of aerosol samples by online coupling of an elemental analyzer with a MICADAS AMS. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015, 361, 163-167.	0.6	48
107	Developmental plasticity of growth and digestive efficiency in dependence of early-life food availability. <i>Functional Ecology</i> , 2014, 28, 878-885.	1.7	23
108	Source Apportionment Using Radiocarbon and Organic Tracers for PM _{2.5} Carbonaceous Aerosols in Guangzhou, South China: Contrasting Local- and Regional-Scale Haze Events. <i>Environmental Science & Technology</i> , 2014, 48, 12002-12011.	4.6	132

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109	¹⁴ C Analysis and Sample Preparation at the New Bern Laboratory for the Analysis of Radiocarbon with AMS (LARA). Radiocarbon, 2014, 56, 561-566.	0.8	127
110	Micro-scale (¹ / ₄ g) radiocarbon analysis of water-soluble organic carbon in aerosol samples. Atmospheric Environment, 2014, 97, 1-5.	1.9	27
111	Radiocarbon-Based Source Apportionment of Carbonaceous Aerosols at a Regional Background Site on Hainan Island, South China. Environmental Science & Technology, 2014, 48, 2651-2659.	4.6	87
112	High secondary aerosol contribution to particulate pollution during haze events in China. Nature, 2014, 514, 218-222.	13.7	3,582
113	Diurnal cycle of fossil and nonfossil carbon using radiocarbon analyses during CalNex. Journal of Geophysical Research D: Atmospheres, 2014, 119, 6818-6835.	1.2	82
114	Effects of sources and meteorology on particulate matter in the Western Mediterranean Basin: An overview of the DAURE campaign. Journal of Geophysical Research D: Atmospheres, 2014, 119, 4978-5010.	1.2	49
115	Radiocarbon analysis of elemental and organic carbon in Switzerland during winter-smog episodes from 2008 to 2012 – Part 1: Source apportionment and spatial variability. Atmospheric Chemistry and Physics, 2014, 14, 13551-13570.	1.9	89
116	²¹⁰ Pb dating of the Miaoergou ice core from the eastern Tien Shan, China. Annals of Glaciology, 2014, 55, 105-110.	2.8	18
117	¹⁴ C Analysis and Sample Preparation at the New Bern Laboratory for the Analysis of Radiocarbon with AMS (LARA). Radiocarbon, 2014, 56, 561-566.	0.8	12
118	A versatile gas interface for routine radiocarbon analysis with a gas ion source. Nuclear Instruments & Methods in Physics Research B, 2013, 294, 315-319.	0.6	163
119	Improving a gas ion source for ¹⁴ C AMS. Nuclear Instruments & Methods in Physics Research B, 2013, 294, 320-327.	0.6	96
120	Fossil and Non-Fossil Sources of Different Carbonaceous Fractions in Fine and Coarse Particles by Radiocarbon Measurement. Radiocarbon, 2013, 55, 1510-1520.	0.8	36
121	Intercomparison of ¹⁴ C Analysis of Carbonaceous Aerosols: Exercise 2009. Radiocarbon, 2013, 55, 1496-1509.	0.8	23
122	Microgram-Level Radiocarbon Determination of Carbonaceous Particles in Firn and Ice Samples: Pretreatment and OC/EC Separation. Radiocarbon, 2013, 55, 383-390.	0.8	13
123	¹⁴ C Measurements of Ice Samples from the Juvfonne Ice Tunnel, Jotunheimen, Southern Norway – Validation of a ¹⁴ C Dating Technique for Glacier Ice. Radiocarbon, 2013, 55, 571-578.	0.8	6
124	Intercomparison of ¹⁴ C Analysis of Carbonaceous Aerosols: Exercise 2009. Radiocarbon, 2013, 55, .	0.8	15
125	Microgram-Level Radiocarbon Determination of Carbonaceous Particles in Firn and Ice Samples: Pretreatment and OC/EC Separation. Radiocarbon, 2013, 55, .	0.8	2
126	Fossil and Non-Fossil Sources of Different Carbonaceous Fractions in Fine and Coarse Particles by Radiocarbon Measurement. Radiocarbon, 2013, 55, .	0.8	11

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127	14C Measurements of Ice Samples from the Juvfonne Ice Tunnel, Jotunheimen, Southern Norway â€” Validation of a Radiocarbon Dating Technique for Glacier Ice. Radiocarbon, 2013, 55, .	0.8	3
128	On the isolation of OC and EC and the optimal strategy of radiocarbon-based source apportionment of carbonaceous aerosols. Atmospheric Chemistry and Physics, 2012, 12, 10841-10856.	1.9	122
129	Fossil and biogenic CO2 from waste incineration based on a yearlong radiocarbon study. Waste Management, 2012, 32, 1516-1520.	3.7	40
130	Gasoline emissions dominate over diesel in formation of secondary organic aerosol mass. Geophysical Research Letters, 2012, 39, .	1.5	189
131	Fossil versus contemporary sources of fine elemental and organic carbonaceous particulate matter during the DAURE campaign in Northeast Spain. Atmospheric Chemistry and Physics, 2011, 11, 12067-12084.	1.9	157
132	Quantification of the carbonaceous matter origin in submicron marine aerosol by $\delta^{13}\text{C}$ and $\delta^{14}\text{C}$ isotope analysis. Atmospheric Chemistry and Physics, 2011, 11, 8593-8606.	1.9	114
133	Au@Hg Nanoalloy Formation Through Direct Amalgamation: Structural, Spectroscopic, and Computational Evidence for Slow Nanoscale Diffusion. Advanced Functional Materials, 2011, 21, 3259-3267.	7.8	43
134	Can 3-D models explain the observed fractions of fossil and non-fossil carbon in and near Mexico City?. Atmospheric Chemistry and Physics, 2010, 10, 10997-11016.	1.9	80
135	Mexico city aerosol analysis during MILAGRO using high resolution aerosol mass spectrometry at the urban supersite (T0) â€” Part 2: Analysis of the biomass burning contribution and the non-fossil carbon fraction. Atmospheric Chemistry and Physics, 2010, 10, 5315-5341.	1.9	182
136	Direct measurements of small 14C samples after oxidation in quartz tubes. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 787-789.	0.6	23
137	Gaseous radiocarbon measurements of small samples. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 790-794.	0.6	100
138	A Preparative 2D-Chromatography Method for Compound-Specific Radiocarbon Analysis of Dicarboxylic Acids in Aerosols. Radiocarbon, 2010, 52, 752-760.	0.8	5
139	Towards On-Line ^{14}C Analysis of Carbonaceous Aerosol Fractions. Radiocarbon, 2010, 52, 761-768.	0.8	6
140	On-line Radiocarbon Measurements of Small Samples Using Elemental Analyzer and MICADAS Gas Ion Source. Radiocarbon, 2010, 52, 1645-1656.	0.8	121
141	Radiocarbon Analysis of Carbonaceous Aerosols: Recent Developments. Chimia, 2009, 63, 157.	0.3	24
142	Sources of Asian Haze. Science, 2009, 323, 470-471.	6.0	68
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