

Franziska A Lechleitner

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

760
citations

567281

15
h-index

610901

24
g-index

45
all docs

45
docs citations

45
times ranked

1254
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigating stable oxygen and carbon isotopic variability in speleothem records over the last millennium using multiple isotope-enabled climate models. <i>Climate of the Past</i> , 2022, 18, 1625-1654.	3.4	5
2	Detecting and quantifying palaeoseasonality in stalagmites using geochemical and modelling approaches. <i>Quaternary Science Reviews</i> , 2021, 254, 106784.	3.0	20
3	The trace-element composition of a Polish stalagmite: Implications for the use of speleothems as a record of explosive volcanism. <i>Chemical Geology</i> , 2021, 570, 120157.	3.3	3
4	Stalagmite carbon isotopes suggest deglacial increase in soil respiration in western Europe driven by temperature change. <i>Climate of the Past</i> , 2021, 17, 1903-1918.	3.4	16
5	Permafrost-related hiatuses in stalagmites: Evaluating the potential for reconstruction of carbon cycle dynamics. <i>Quaternary Geochronology</i> , 2020, 56, 101037.	1.4	7
6	Main controls on the stable carbon isotope composition of speleothems. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 279, 67-87.	3.9	93
7	SISALv2: a comprehensive speleothem isotope database with multiple age depth models. <i>Earth System Science Data</i> , 2020, 12, 2579-2606.	9.9	53
8	Local and Regional Indian Summer Monsoon Precipitation Dynamics During Termination II and the Last Interglacial. <i>Geophysical Research Letters</i> , 2019, 46, 12454-12463.	4.0	15
9	Evaluating model outputs using integrated global speleothem records of climate change since the last glacial. <i>Climate of the Past</i> , 2019, 15, 1557-1579.	3.4	37
10	Towards Organic Carbon Isotope Records from Stalagmites: Coupled $\delta^{13}C$ and $\delta^{14}C$ Analysis Using Wet Chemical Oxidation. <i>Radiocarbon</i> , 2019, 61, 749-764.	1.8	1
11	STAlagmite dating by radiocarbon (star): A software tool for reliable and fast age depth modelling. <i>Quaternary Geochronology</i> , 2019, 51, 120-129.	1.4	3
12	The Potential of Speleothems from Western Europe as Recorders of Regional Climate: A Critical Assessment of the SISAL Database. <i>Quaternary</i> , 2018, 1, 30.	2.0	35
13	The Indian Summer Monsoon from a Speleothem $\delta^{18}O$ Perspective – A Review. <i>Quaternary</i> , 2018, 1, 29.	2.0	39
14	The SISAL database: a global resource to document oxygen and carbon isotope records from speleothems. <i>Earth System Science Data</i> , 2018, 10, 1687-1713.	9.9	62
15	Coping with dating errors in causality estimation. <i>Europhysics Letters</i> , 2017, 117, 10004.	2.0	7
16	Tropical rainfall over the last two millennia: evidence for a low-latitude hydrologic seesaw. <i>Scientific Reports</i> , 2017, 7, 45809.	3.3	48
17	$\delta^{14}C$ Contamination Testing in Natural Abundance Laboratories: A New Preparation Method Using Wet Chemical Oxidation and Some Experiences – CORRIGENDUM. <i>Radiocarbon</i> , 2017, 59, 269-269.	1.8	0
18	Molecular signatures of dissolved organic matter in a tropical karst system. <i>Organic Geochemistry</i> , 2017, 113, 141-149.	1.8	13

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19	Climatic and in-cave influences on $\delta^{18}\text{O}$ and $\delta^{13}\text{C}$ in a stalagmite from northeastern India through the last deglaciation. <i>Quaternary Research</i> , 2017, 88, 458-471.	1.7	32
20	$\delta^{14}\text{C}$ Contamination Testing in Natural Abundance Laboratories: A New Preparation Method Using Wet Chemical Oxidation and Some Experiences. <i>Radiocarbon</i> , 2016, 58, 935-941.	1.8	6
21	Hydrological and climatological controls on radiocarbon concentrations in a tropical stalagmite. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 194, 233-252.	3.9	28
22	A novel approach for construction of radiocarbon-based chronologies for speleothems. <i>Quaternary Geochronology</i> , 2016, 35, 54-66.	1.4	15
23	Aerosol forcing of the position of the intertropical convergence zone since ad 1550. <i>Nature Geoscience</i> , 2015, 8, 195-200.	12.9	112
24	Cave ventilation and rainfall signals in dripwater in a monsoonal setting – a monitoring study from NE India. <i>Chemical Geology</i> , 2015, 402, 111-124.	3.3	72
25	The role of microorganisms in the formation of a stalactite in Botovskaya Cave, Siberia – paleoenvironmental implications. <i>Biogeosciences</i> , 2013, 10, 6115-6130.	3.3	31