

# Liangcheng Tan

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/8106439/liangcheng-tan-publications-by-year.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

67

papers

2,428

citations

25

h-index

48

g-index

79

ext. papers

3,004

ext. citations

4.4

avg, IF

4.87

L-index

#	Paper	IF	Citations
67	A Paleoclimate Prognosis of the Future Asian Summer Monsoon Variability. <i>Atmosphere</i> , <b>2021</b> , 12, 1391	2.7	1
66	High precise dating on the variation of the Asian summer monsoon since 37ka BP. <i>Scientific Reports</i> , <b>2021</b> , 11, 9375	4.9	3
65	Comparison of changes in vegetation and land cover types between Shenzhen and Bangkok. <i>Land Degradation and Development</i> , <b>2021</b> , 32, 1192-1204	4.4	7
64	Megadrought and cultural exchange along the proto-silk road. <i>Science Bulletin</i> , <b>2021</b> , 66, 603-611	10.6	20
63	Hydroclimate variability of central Indo-Pacific region during the Holocene. <i>Quaternary Science Reviews</i> , <b>2021</b> , 253, 106779	3.9	3
62	New insights towards an integrated understanding of NE Asian monsoon during mid to late Holocene. <i>Quaternary Science Reviews</i> , <b>2021</b> , 254, 106793	3.9	10
61	Dust storms in northern China during the last 500 years. <i>Science China Earth Sciences</i> , <b>2021</b> , 64, 813-824	4.6	4
60	Seasonality of precipitation recorded in a modern (1907-2008) annually laminated stalagmite from central China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2021</b> , 576, 110489	2.9	2
59	Geochemistry of evaporitic deposits from the Cenomanian (Upper Cretaceous) Maha Sarakham Formation in the Khorat Basin, northeastern Thailand. <i>Cretaceous Research</i> , <b>2021</b> , 130, 104986	1.8	0
58	Application of XRF Scanning to Different Geological Archives. <i>Earth and Space Science</i> , <b>2021</b> , 8, e2020EA001589	9.1	1589
57	Aeolian dust dynamics in the Fergana Valley, Central Asia, since ~30ka inferred from loess deposits. <i>Geoscience Frontiers</i> , <b>2021</b> , 12, 101180	6	8
56	Late Holocene hydroclimatic variation in central Asia and its response to mid-latitude Westerlies and solar irradiance. <i>Quaternary Science Reviews</i> , <b>2020</b> , 238, 106330	3.9	17
55	Time marker of <sup>137</sup> Cs fallout maximum in lake sediments of Northwest China. <i>Quaternary Science Reviews</i> , <b>2020</b> , 241, 106413	3.9	22
54	Hydroclimate variability of western Thailand during the last 1400 years. <i>Quaternary Science Reviews</i> , <b>2020</b> , 241, 106423	3.9	3
53	Distribution Characteristics and Influencing Factors of Uranium Isotopes in Saline Lake Waters in the Northeast of Qaidam Basin. <i>Minerals (Basel, Switzerland)</i> , <b>2020</b> , 10, 74	2.4	1
52	Juxtaposition of Western Pacific Subtropical High on Asian Summer Monsoon Shapes Subtropical East Asian Precipitation. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2019GL084705	4.9	20
51	Dramatic weakening of the East Asian summer monsoon in northern China during the transition from the Medieval Warm Period to the Little Ice Age. <i>Geology</i> , <b>2020</b> , 48, 307-312	5	20

50	Holocene Monsoon Change and Abrupt Events on the Western Chinese Loess Plateau as Revealed by Accurately Dated Stalagmites. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL090273	4.9	19
49	A multiple-proxy stalagmite record reveals historical deforestation in central Shandong, northern China. <i>Science China Earth Sciences</i> , <b>2020</b> , 63, 1622-1632	4.6	7
48	Rainfall variations in central Indo-Pacific over the past 2,700 y. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 17201-17206	11.5	47
47	Atmospheric dust dynamics in southern Central Asia: Implications for buildup of Tajikistan loess sediments. <i>Atmospheric Research</i> , <b>2019</b> , 229, 74-85	5.4	32
46	A new speleothem record of the penultimate deglacial: Insights into spatial variability and centennial-scale instabilities of East Asian monsoon. <i>Quaternary Science Reviews</i> , <b>2019</b> , 210, 113-124	3.9	5
45	Application of Avaatech X-ray fluorescence core-scanning in Sr/Ca analysis of speleothems. <i>Science China Earth Sciences</i> , <b>2019</b> , 62, 964-973	4.6	7
44	Is Chinese stalagmite $\delta^{18}O$ solely controlled by the Indian summer monsoon?. <i>Climate Dynamics</i> , <b>2019</b> , 53, 2969-2983	4.2	11
43	The selection of a primary marker for the Anthropocene. <i>Science Bulletin</i> , <b>2019</b> , 64, 1643-1645	10.6	6
42	Late Holocene hydroclimatic variations and possible forcing mechanisms over the eastern Central Asia. <i>Science China Earth Sciences</i> , <b>2019</b> , 62, 1288-1301	4.6	13
41	Reconstructing the western boundary variability of the Western Pacific Subtropical High over the past 200 years via Chinese cave oxygen isotope records. <i>Climate Dynamics</i> , <b>2019</b> , 52, 3741-3757	4.2	17
40	Orbital-scale nonlinear response of East Asian summer monsoon to its potential driving forces in the late Quaternary. <i>Climate Dynamics</i> , <b>2018</b> , 50, 2183-2197	4.2	7
39	High resolution climate changes in Asia-Pacific region during the past 2,000 years (Asia-Pacific-2k). <i>Quaternary International</i> , <b>2018</b> , 487, 1-2	2	
38	Stable Isotopic Characteristics and Influencing Factors in Precipitation in the Monsoon Marginal Region of Northern China. <i>Atmosphere</i> , <b>2018</b> , 9, 97	2.7	14
37	High resolution monsoon precipitation changes on southeastern Tibetan Plateau over the past 2300 years. <i>Quaternary Science Reviews</i> , <b>2018</b> , 195, 122-132	3.9	51
36	A 200-year annually laminated stalagmite record of precipitation seasonality in southeastern China and its linkages to ENSO and PDO. <i>Scientific Reports</i> , <b>2018</b> , 8, 12344	4.9	30
35	Multidecadally resolved polarity oscillations during a geomagnetic excursion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 8913-8918	11.5	10
34	Centennial- to decadal-scale monsoon precipitation variations in the upper Hanjiang River region, China over the past 6650 years. <i>Earth and Planetary Science Letters</i> , <b>2018</b> , 482, 580-590	5.3	54
33	Recurrence plot analysis of irregularly sampled data. <i>Physical Review E</i> , <b>2018</b> , 98,	2.4	15

32	Hydroclimatic variations in southeastern China during the 4.2 ka event reflected by stalagmite records. <i>Climate of the Past</i> , <b>2018</b> , 14, 1805-1817	3.9	33
31	Decreasing monsoon precipitation in southwest China during the last 240 years associated with the warming of tropical ocean. <i>Climate Dynamics</i> , <b>2017</b> , 48, 1769-1778	4.2	53
30	Holocene moisture changes in western China, Central Asia, inferred from stalagmites. <i>Quaternary Science Reviews</i> , <b>2017</b> , 158, 15-28	3.9	87
29	The East Asian summer monsoon variability over the last 145 years inferred from the Shihua Cave record, North China. <i>Scientific Reports</i> , <b>2017</b> , 7, 7078	4.9	31
28	Climate change and soil erosion in a small alpine lake basin on the Loess Plateau, China. <i>Earth Surface Processes and Landforms</i> , <b>2017</b> , 42, 1238-1247	3.7	16
27	Preliminary Studies of Speleothem in Central Asia. <i>Acta Geologica Sinica</i> , <b>2016</b> , 90, 2279-2280	0.7	2
26	Variability of stalagmite-inferred Indian monsoon precipitation over the past 252,000 y. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 2954-9	11.5	159
25	Profiling bacterial diversity in a limestone cave of the western Loess Plateau of China. <i>Frontiers in Microbiology</i> , <b>2015</b> , 6, 244	5.7	50
24	Global Monsoon Dynamics and Climate Change. <i>Annual Review of Earth and Planetary Sciences</i> , <b>2015</b> , 43, 29-77	15.3	207
23	A Chinese cave links climate change, social impacts, and human adaptation over the last 500 years. <i>Scientific Reports</i> , <b>2015</b> , 5, 12284	4.9	30
22	Large variations of $\delta^{13}C$ values in stalagmites from southeastern China during historical times: implications for anthropogenic deforestation. <i>Boreas</i> , <b>2015</b> , 44, 511-525	2.4	21
21	Climate significance of speleothem $\delta^{18}O$ from central China on decadal timescale. <i>Journal of Asian Earth Sciences</i> , <b>2015</b> , 106, 150-155	2.8	22
20	Groundwater Diffuse Recharge and its Response to Climate Changes in Semi-Arid Northwestern China. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , <b>2015</b> , 26, 451	1.8	6
19	Stable isotope composition alteration produced by the aragonite-to-calcite transformation in speleothems and implications for paleoclimate reconstructions. <i>Sedimentary Geology</i> , <b>2014</b> , 309, 1-14	2.8	39
18	Cyclic precipitation variation on the western Loess Plateau of China during the past four centuries. <i>Scientific Reports</i> , <b>2014</b> , 4, 6381	4.9	42
17	Asian Monsoon Variability Recorded in Other Archives. <i>Developments in Paleoenvironmental Research</i> , <b>2014</b> , 145-337		
16	Trace-element variations in an annually layered stalagmite as recorders of climatic changes and anthropogenic pollution in Central China. <i>Quaternary Research</i> , <b>2014</b> , 81, 181-188	1.9	24
15	Annually laminated speleothems in paleoclimate studies. <i>Past Global Change Magazine</i> , <b>2014</b> , 22, 22-23	1	3

14	Late Cenozoic Climate Change in Monsoon-Arid Asia and Global Changes. <i>Developments in Paleoenvironmental Research</i> , <b>2014</b> , 491-581		13
13	Quantitative temperature reconstruction based on growth rate of annually-layered stalagmite: a case study from central China. <i>Quaternary Science Reviews</i> , <b>2013</b> , 72, 137-145	3.9	20
12	Climatic and Anthropogenic Impacts on $\delta^{13}C$ Variations in a Stalagmite from Central China. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , <b>2013</b> , 24, 333	1.8	7
11	The Holocene Indian monsoon variability over the southern Tibetan Plateau and its teleconnections. <i>Earth and Planetary Science Letters</i> , <b>2012</b> , 335-336, 135-144	5.3	129
10	Climate patterns in north central China during the last 1800 yr and their possible driving force. <i>Climate of the Past</i> , <b>2011</b> , 7, 685-692	3.9	62
9	Large variations of oxygen isotopes in precipitation over south-central Tibet during Marine Isotope Stage 5. <i>Geology</i> , <b>2010</b> , 38, 243-246	5	58
8	The variation of summer monsoon precipitation in central China since the last deglaciation. <i>Earth and Planetary Science Letters</i> , <b>2010</b> , 291, 21-31	5.3	303
7	Summer monsoon precipitation variations in central China over the past 750 years derived from a high-resolution absolute-dated stalagmite. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2009</b> , 280, 432-439	2.9	91
6	Precipitation variations of Longxi, northeast margin of Tibetan Plateau since AD 960 and their relationship with solar activity. <i>Climate of the Past</i> , <b>2008</b> , 4, 19-28	3.9	75
5	Mid-Holocene climate variations recorded by palaeolake in marginal area of East Asian Monsoon: A multi-proxy study. <i>Chinese Geographical Science</i> , <b>2007</b> , 17, 325-332	2.9	3
4	Precipitation at Lake Qinghai, NE Qinghai-Tibet Plateau, and its relation to Asian summer monsoons on decadal/interdecadal scales during the past 500 years. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2007</b> , 254, 541-549	2.9	72
3	Geochronology of a surface core in the northern basin of Lake Qinghai: Evidence from $^{210}Pb$ and $^{137}Cs$ radionuclides. <i>Diqiu Huaxue</i> , <b>2006</b> , 25, 301-306		36
2	Stable isotopes in bulk carbonates and organic matter in recent sediments of Lake Qinghai and their climatic implications. <i>Chemical Geology</i> , <b>2006</b> , 235, 262-275	4.2	135
1	Hydroclimatic changes in south-central China during the 4.2 ka event and their potential impacts on the development of Neolithic culture. <i>Quaternary Research</i> , 1-14	1.9	0