

- An, Z.S., Porter, S.C., Kutzbach, J.E., et al., 2000. Asynchronous Holocene optimum of the East Asian monsoon. *Quaternary Science Reviews*, 19 (8): 743–762
- Bureau of geology and mineral resources of Qinghai Province (Ed), 1991. Regional geology of Qinghai Province. Geological Publishing House, Beijing (in Chinese with English abstract)
- Chang, Q., Lai, Z., An, F., et al. 2016. Chronology for terraces of the Nalinggele River in the north Qinghai-Tibet Plateau and implications for salt lake resource formation in the Qaidam Basin. *Quaternary International*, doi: 10.1016/j.quaint.2016.02.022
- Chen, F., Li, J., Zhang, W., 1991. Loess stratigraphy of the Lanzhou profile and its comparison with deep-sea sediment and ice core record. *GeoJournal*, 24 (2): 201–209
- Chen, F., Yu, Z., Yang, M., et al., 2008. Holocene moisture evolution in arid central Asia and its out-of-phase relationship with Asian monsoon history. *Quaternary Science Reviews*, 27 (3–4): 351–364
- Chongyi, E., Lai, Z.P., Hou, G.L., et al., 2015. Age determination for a Neolithic site in northeastern Qinghai-Tibetan Plateau using a combined luminescence and radiocarbon dating. *Quaternary Geochronology*, 30: 411–415
- Clemens, S., Prell, W.L., Sun, Y., 2010. Orbital-scale timing and mechanisms driving Late Pleistocene Indo-Asian summer monsoons: reinterpreting cave speleothem $\delta^{18}\text{O}$. *Paleoceanography*, 25 (4): 545–558
- Dong, G., Ren, L., Jia, X., et al., 2016. Chronology and subsistence strategy of Nuomuhong Culture in the Tibetan Plateau. *Quaternary International*, 426: 42–49
- Fan, Q.S., Ma, H.Z., Cao, G.C., et al., 2012. Geomorphic and chronometric evidences for high lake level history in Gahai Lake and Toson Lake of northeastern Qaidam Basin, northeastern Qinghai-Tibetan Plateau. *Journal of Quaternary Science*, 27 (5): 819–827
- Fan, Q.S., Ma, H.Z., Wei, H.C., et al., 2014. Holocene lake-level changes of Hurleg Lake on northeastern Qinghai-Tibetan Plateau and possible forcing mechanism. *The Holocene*, 23 (4): 274–283
- Gasse, F., Fontes, J.C., VanCampo, F., et al., 1996. Holocene environmental changes in Bangong Co basin (western Tibet). Part 4: Discussion and conclusions. *Palaeogeography Palaeoclimatology Palaeoecology*, 126 (1–2): 79–92
- Geyh, M.A., Krumbeyn, E., Kudryk, H.R., 1974. Unreliable ^{14}C dating of long-stored deep-sea sediments due to bacterial activity. *Marine Geology*, 17 (1): M45–M50
- Geyh, M., Schotter, U., Grotzinger, M., 1998. Temporal changes of the ^{14}C reservoir effect in lakes. *Radiocarbon*, 40 (2): 921–931
- Gu, X., Liu, J.Q., Yuan, B.Y., et al., 1993. Monsoon variations of the Qinghai-Xizang Plateau during the last 12,000 years. *Chinese Science Bulletin*, 38 (7): 577–581
- Herzschuh, 2006. Palaeo-moisture evolution in monsoonal Central Asia during the last 50,000 years. *Quaternary Science Reviews*, 25 (1–2): 163–178
- Hong, Y.T., Hong, B., Lin, Q.H., et al., 2003. Correlation between Indian Ocean summer monsoon and North Atlantic climate during the Holocene. *Earth and Planetary Science Letters*, 211 (s3–4): 371–380
- Hou, J., D’Andrea, W., Liu, Z., 2012a. The influence of ^{14}C reservoir age on interpretation of paleolimnological records from the Tibetan Plateau. *Quaternary Science Reviews*, 48: 67–79
- Hou, J., D’Andrea, W., Liu, Z., 2012b. Geochronological limitations for interpreting the paleoclimatic history of the Tibetan Plateau. *Quaternary Sciences*, 32 (3): 441–452 (in Chinese with English abstract)
- Hou, J., Huang, Y., Zhao, J., et al., 2016. Large Holocene summer temperature oscillations and

- impact on the peopling of the northeastern Tibetan Plateau. *Geophysical Research Letters*, 43 (3): 1–8
- Kenworthy, M.K., Rittenour, T.M., Pierce, J.L., et al., 2014. Luminescence dating without sand lenses: An application of OSL to coarse-grained alluvial fan deposits of the Lost River Range, Idaho, USA. *Quaternary Geochronology*, 23 (10): 9–25
- Lai, Z.P., Wintle, A.G., 2006. Locating the boundary between the Pleistocene and the Holocene in Chinese loess using luminescence. *The Holocene*, 16 (6): 893–899
- Lai, Z.P., Brückner, H., 2008. Effects of feldspar contamination on equivalent dose and the shape of growth curve for OSL of silt-sized quartz extracted from Chinese loess. *Geochronometria*, 30 (1), 49–53
- Lai, Z.P., Zöller, L., Fuchs, M., et al., 2008. Alpha efficiency determination for OSL of quartz extracted from Chinese loess. *Radiation Measurements*, 43 (2–6): 767–770
- Lai, Z.P., 2010. Chronology and the upper dating limit for loess samples from Luochuan section in Chinese Loess Plateau using quartz OSL SAR protocol. *Journal of Asian Earth Sciences*, 37 (2): 176–185
- Lehmkuhl, F., 1997. Late Pleistocene, Late-Glacial and Holocene glacier advances on the Tibetan Plateau. *Quaternary International*, 38/39: 77–83
- Liu, H., Liu, W., 2016. *n*-Alkane distributions and concentrations in algae, submerged plants and terrestrial plants from the Qinghai-Tibetan Plateau. *Organic Geochemistry*, 99: 10–22
- Liu, K., Lai, Z.P., 2012. Chronology of Holocene sediments from the archaeological Salawusu site in the Mu Us Desert in China and its palaeoenvironmental implications. *Journal of Asian Earth Sciences*, 45 (4): 247–255
- Liu, X.J., Lai, Z.P., Sun, Y.J., et al., 2010. Timing for high lake levels of Qinghai Lake in the Qinghai-Tibetan Plateau since the Last Interglaciation based on quartz OSL dating. *Quaternary Geochronology*, 5 (2–3): 218–222
- Liu, X.J., Lai, Z.P., Madsen, D., et al., 2011. Lake level variation of Qinghai Lake in northeastern Qinghai-Tibetan Plateau since 3.7 ka based on OSL dating. *Quaternary International*, 236 (1): 57–64
- Liu, X.J., Lai, Z.P., Madsen, D., et al., 2015. Last deglacial and Holocene lake level variations of Qinghai Lake, north-eastern Qinghai-Tibetan Plateau. *Journal of Quaternary Science*, 30 (3): 245–257
- Liu, X.Q., Dong, H.L., Yang, X.D., et al., 2009. Late Holocene forcing of the Asian winter and summer monsoon as evidenced by proxy records from the northern Qinghai-Tibetan Plateau. *Earth and Planetary Science Letters*, 280 (1–4): 276–284
- Lockot, G., Ramisch, A., Wünnemann, B., et al., 2015. A process-and provenance-based attempt to unravel inconsistent radiocarbon chronologies in lake sediments: An example from Lake Heihai, north Tibetan Plateau (China). *Radiocarbon*, 57 (5): 1003–1019
- Long, H., Lai, Z.P., Wang, N.A., et al., 2011. A combined luminescence and radiocarbon dating study of Holocene lacustrine sediments from arid northern China. *Quaternary Geochronology*, 6 (1): 1–9
- Marcott, S.A., Shakun, J.D., Clark, P.U., et al., 2013. A reconstruction of regional and global temperature for the past 11,300 years. *Science*, 339 (6124): 1198–1201
- Mischke, S., Aichner, B., Diekmann, B., et al., 2010. Ostracods and stable isotopes of a late glacial and Holocene lake record from the NE Tibetan Plateau. *Chemical Geology*, 276 (1): 95–103
- Mischke, S., Weynell, M., Zhang, C., et al., 2013. Spatial variability of ¹⁴C reservoir effects in Tibetan Plateau lakes. *Quaternary International*, 313–314: 147–155

- Mügler, I., Gleixner, G., Günther, F., et al., 2010. A multi-proxy approach to reconstruct hydrological changes and Holocene climate development of Nam Co, Central Tibet. *Journal of Paleolimnology*, 43 (4): 625–648
- Murray, A.S., Wintle, A.G., 2000. Luminescence dating of quartz using an improved single-aliquot regenerative-dose protocol. *Radiation Measurement*, 32 (1): 53–57
- Murray, A.S., Wintle, A.G., 2003. The single aliquot regenerative dose protocol: potential for improvements in reliability. *Radiation Measurements*, 37 (37): 377–381
- Prescott, J., Hutton, J.T., 1994. Cosmic ray contributions to dose rates for luminescence and ESR dating: large depths and long-term time variations. *Radiation Measurements*, 23 (2): 497–500
- Ramisch, A., Lockot, G., Haberzettl, T., et al., 2016. A persistent northern boundary of Indian Summer Monsoon precipitation over Central Asia during the Holocene. *Scientific Reports*, 6: 25791, DOI: 10.1038/srep25791
- Ran, M., Feng, Z., 2013. Holocene moisture variations across China and driving mechanisms: A synthesis of climatic records. *Quaternary International*, 313–314: 179–193
- Reimer, P.J., Baillie, M.G.L., Bard, E., et al., 2004. IntCal04 terrestrial radiocarbon age calibration, 0–26 cal kyr BP. *Radiocarbon*, 46 (3): 1029–1058
- Shen, Z.X., Bloemendal, J., Mauz, B., et al., 2008. Holocene environmental reconstruction of sediment-source linkages at Crummock Water, English Lake District, based on magnetic measurements. *The Holocene*, 18 (18): 129–140
- Stauch, G., Schulte, P., Ramisch, A., Hartmann, K., Hülle, D., Lockot, G., Diekmann, B., Nottebaum, V., Müller, C., Wünnemann, B., Yan, D., Lehmkuhl, F., 2017. Landscape and climate on the northern Tibetan Plateau during the late Quaternary. *Geomorphology*, 286: 78–92
- Thomas, P.J., Murray, A.S., Sandgren, P., 2003. Age limit and age underestimation using different OSL signals from lacustrine quartz and polymineral fine grains. *Quaternary Science Review*, 22 (10): 1139–1143
- Tian, L., Yao, T., MacClune, K., et al., 2007. Stable isotopic variations in west China: A consideration of moisture sources. *Journal of Geophysical Research*, 112 (D10): 185–194
- Wang, A., Smith, J.A., Wang, G., et al., 2009. Late Quaternary river terrace sequences in the eastern Kunlun Range northern Tibet: A combined record of climatic change and surface uplift. *Journal of Asian Earth Sciences*, 34 (4): 532–543
- Wang, W., Feng, Z., Ran, M., et al., 2013. Holocene climate and vegetation changes inferred from pollen records of Lake Aibi, northern Xinjiang, China: A potential contribution to understanding of Holocene climate pattern in East-central Asia. *Quaternary International*, 311: 54–62
- Wang, X., Zhou, A., Sun, Z., 2016. Spatial and temporal dynamics of lakes in Nam Co Basin, 1991–2011. *Journal of Earth Science*, 27 (1): 130–138
- Wang, Y., Shen, J., Wu, J.L., et al., 2007. Hard-water effect correction of lacustrine sediment ages using the relationship between ^{14}C levels in lake waters and in the atmosphere: The case of Lake Qinghai. *Journal of Lake Sciences*, 19 (5): 504–508 (in Chinese with English Abstract)
- Watanabe, T., Matsunaka, T., Nakamura, T., et al., 2010. Changes of organic matter sources in sediment core from a high-altitude lake (Pumoyum Co, southeastern Tibetan Plateau) over the last 19000 years. *Nuclear Instruments and Methods in Physics Research*, 268 (7–8): 1070–1072
- Wintle, A.G., Murray, A.S., 2006. A review of quartz optically stimulated luminescence characteristics and their relevance in single-aliquot regeneration dating protocols. *Radiation*

Measurements, 41, 369–391

- Wu, Y., Wang, S., Zhou, L., 2011. Possible factors causing older radiocarbon age for bulk organic matter in sediment from Daihai Lake, north China. *Radiocarbon*, 53 (2): 359–366
- Yang, B., Qin, C., Wang, J.L., et al., 2014. A 3,500-year tree-ring record of annual precipitation on the northeastern Tibetan Plateau. *Proceedings of the National Academy of Sciences of the United States of America*, 111 (8): 2903–2908
- Yang, K., Wu, H., Qin, J., et al., 2014. Recent climate changes over the Tibetan Plateau and their impacts on energy and water cycle: A review. *Global and Planetary Change*, 112 (1): 79–91
- Yan, D., Wünnemann, B., 2014. Late Quaternary water depth changes in Hala Lake, northeastern Tibetan Plateau, derived from ostracod assemblages and sediment properties in multiple sediment records. *Quaternary Science Review*, 95 (95): 95–114
- Yu, L.P., Lai, Z.P., 2012. OSL chronology and palaeoclimatic implication of aeolian sediments in the eastern Qaidam Basin of the northeastern Qinghai-Tibetan Plateau. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 337–338 (4): 120–129
- Yu, L.P., Lai, Z.P., 2014. Holocene climate change inferred from stratigraphy and OSL chronology of aeolian sediments in the Qaidam Basin, northeastern Qinghai-Tibetan Plateau. *Quaternary Research*, 81 (3): 488–499
- Zhang, J., Chen, F., Holmes, J.A., et al., 2011. Holocene monsoon climate documented by oxygen and carbon isotopes from lake sediments and peat bogs in China: a review and synthesis. *Quaternary Science Reviews*, 30 (15–16): 1973–1987
- Zhang, W., Mischke, S., Zhang, C., et al., 2013. Ostracod distribution and habitat relationships in the Kunlun Mountains, northern Tibetan Plateau. *Quaternary International*, 313–314 (10): 38–46
- Zhao, Y., Yu, Z., Chen, F., et al., 2007. Holocene vegetation and climate history at Hurleg Lake in the Qaidam Basin, northwest China. *Review of Palaeobotany and Palynology*, 145 (3–4): 275–288
- Zhou, A., Chen, F., Wang Z., et al., 2009. Temporal change of radiocarbon reservoir effect in Suga Lake northwest China during the Lake Holocene. *Radiocarbon*, 51 (2): 529–535
- Zhu, L.P., Wu, Y.H., Wang, J.B., et al., 2008. Environmental changes since 8.4 ka reflected in the lacustrine core sediments from Nam Co, central Tibetan Plateau. *The Holocene*, 18 (5): 831–839
- Zeng, F., Xiang, S., 2015. Geochronology and mineral composition of the Pleistocene sediments in Xitaijinair salt lake region. *Journal of Earth Science*, 28 (4): 1–6
- Zeng, F., Liang, M., Peng, S., et al., 2015. Sr-Nd-Pb Isotopic Compositions of the Neogene Eolian Deposits in the Xining Basin and Implications for Their Dust Sources. *Journal of Earth Science*, 26 (5): 669–676