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Selected Publications

Peer review English papers:

Wu, G., **Zuo, X***., Wu, W et al. Late Neolithic to Bronze Age water management and upland rice cultivation in the mountainous areas of Southeastern China Coast, Quaternary International. 2024, 680: 55-63

Zuo Xinxin* et al. Microfossil evidence of rice cultivation on the Southeast China Coast 7500 years ago. Science China-Earth Science, 2022, 65(11): 2115-2126

Zuo Xinxin*, Lu Houyuan*, Li Zhen, Song Bing. Phytolith reconstruction of early to mid-Holocene vegetation and climatic changes in the Lower Yangtze Valley, CATENA, 2021, 207, 105586

Dai Jinqi, Cai Xipeng, Jin Jianhui, Ge Wei, Huang Yunming, Wu Wei, Xia Taoqin, Li Fusheng, and **Zuo Xinxin***. Earliest arrival of millet in the South China Coast dating back to 5,500 years ago. Journal of Archaeological Science, 2021, 129,105356.

Zuo Xinxin*, Lu Houyuan*, Li Zhen et al. Phytolith records of flourishing Early Holocene Pooideae linked to an 8.2 ka cold event in subtropical China. Elementa: Science of the Anthropocene, 2020, 8(1):077

Zuo Xinxin*, Lu Houyuan*, Huan Xiujia et al. Influence of different extraction methods on prehistoric phytolith radiocarbon dating. Quaternary International, 2019, 528: 4-8

Zuo Xin Xin*, & Lu Hou Yuan. Phytolith Radiocarbon Dating: A Review of Previous Studies in China and the Current State of Debate. Frontiers in Plant Science, 2019, 10:1302

Zuo Xinxin, Lu Houyuan*, Jiang Leping*, et al., Dating rice Remains Through Phytolith Carbon-14 Study Reveals Domestication at the beginning of the Holocene. Proceedings of the National Academy of Sciences USA, 2017, 114, 6486–6491.

Zuo Xinxin*, Lu Houyuan*, Li Zhen, et al., Phytolith and diatom evidence for rice exploitation and environmental changes during the early mid-Holocene in the Yangtze Delta. Quaternary Research 2016，86, 304-315.

Zuo Xinxin*, Lu Houyuan*, Zhang Jianping, et al. Radiocarbon dating of prehistoric phytoliths: a

preliminary study of archaeological sites in China. Scientific Reports, 2016. 6: 26769.

Zuo Xinxin*, Lu Houyuan*, Gu Zhaoyan. Distribution of soil phytolith occluded carbon in Chinese Loess Plateau and its implications for carbon-silica cycles, Plant and Soil, 2014: 374(1-2): 223-232.

Zuo Xinxin*, Lu Houyuan. Carbon sequestration within millet phytoliths from dry-farming of crops in China. Science Bulletin, 2011, 56(32):3451-3456.

Liu Honggao, Cui Yifu, **Zuo Xinxin***, et al., Human settlements and plant utilization since the late prehistoric period in the Nujiang River valley, Southeast Tibetan Plateau. Archaeological Research in Asia, 2016, 5:63-71.（*Corresponding author）

Peer review Chinese papers (with English abstract):

Lin Yingjun, **Zuo Xinxin***, Pei Yaoyao.Morphological comparison of short saddle phytoliths of Er-agrostoideae and Phragmites australis. Pratacultural Science, 2023,40(2): 1-10.

Zhang Yuxin, **Zuo Xinxin***. Phytolith-occluded carbon and terrestrial ecosystem carbon cycle：opportunities and challenges. Advances in Earth Science, 2023, 38 (2):212-220.

Xie Hui, **Zuo Xinxin***, Chen Xiulin et al. Distribution of phytoliths in the surface sediments of Luoyuan Bay and its environmental implication. Journal of Subtropical Resources and Environment，2023,18(1):26－33

Zhou Guiyu, **Zuo Xinxin***, Zhao Wenwei* et al., The discovery of rice phytoliths from the late Holocene coastal peat layer in the Haitan island, Fujian Province and its implications. Acta Micropalaeontologica Sinica, 2022, 39(3): 253–262

Ren Lin, Li Yuqi*, Li Haiming … **Zuo Xinxin***. Phytoliths reveal the crop structure and subsistence strategies at the Mohuchahangoukou site in the southern foothills of the central Tianshan mountains, Xinjiang, during the Northern dynasties. Quaternary Sciences, 2022, 42(6): 1764-1774

Zhang Yuxin, **Zuo Xinxin***. A comparative study on the phytolith morphology between the paddy and upland rice. Acta Micropalaeontologica Sinica. 2021, 38(3):285-291

Pei Y Y, Dai J Q, Chen W W…**Zuo Xinxin***. Indication of topsoil phytoliths for the vertical vegetation change case study from Daiyun Mountain, Fujian Province, China. Journal of Earth Environment, 2021,12(1): 57 –67.