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Paleo-environmental changes in Eurasian continental interior inferred from chemical compositions of Lake Baikal sediment

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Lake Baikal occupies the largest water volume in the world's freshwater lakes, and is located in the eastern part of Eurasian continent. The Lake Baikal sediment contains a detailed record of paleo-environmental changes in the deep continental interior. In this study, we analyzed the abundance of chemical compositions in the sediment core from the Lake Baikal, and subsequently their variations were revealed to synchronize with paleo-environment changes in the adjacent ocean.

Keywords: Lake Baikal, Chemical composition, Eurasian continental interior, Paleo-environmental changes