

## Os isotope stratigraphy of a ferromanganese crust: Its principles and applications

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Sedimentation age determination by using an Os isotope stratigraphy is one of the effective dating methods for a ferromanganese crust. This dating method is applicable to the almost whole sedimentation age of a ferromanganese crust from the Late Cretaceous to present. So far, we have applied the Os isotope dating method to various ferromanganese crust samples collected from Northwestern Pacific, South Atlantic Oceans and Philippine Sea. In this presentation, we introduce the principles and applications of the Os isotope dating method, and discuss our recent results especially focusing on the growth hiatus of a ferromanganese crust.

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