

Japan Geoscience Union Meeting 2011

(May 22-27 2011 at Makuhari, Chiba, Japan)

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BPO003-P03

Room:Convention Hall

Time:May 26 14:00-16:30

Perspectives in stable oxygen isotope analysis as paleo-thermometer in biogenic carbonates

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In this presentation, I'll summarize the recent progress of the high-resolution analyses of stable oxygen isotopes of biogenic carbonates as paleo-thermometer. Especially, the cold-water coral and fish otolith are treated as materials in order to describe the $\delta^{18}\text{O}$ -thermometer and clumped-isotope thermometer (δ^{47}).

Keywords: biogenic carbonate, oxygen isotope, paleo-thermometer