

***Interactive comment on “Possibility of titanium transportation within a mantle wedge: formation process of titanoclinohumite in Fujiwara dunite in Sanbagawa belt, Japan” by S. Ishimaru and S. Arai***

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This manuscript was of interested for the Subduction Zones special issue because of the finding that titanium can be mobile in the mantle wedge when hydrocarbon-rich fluids are released from the slab. As this result has now been published by the authors in a different journal, the manuscript is no longer considered suitable for our special issue and is therefore rejected. I encourage the authors to revise their manuscript to reduce the overlap and consider a new submission to the general Solid Earth journal.

Arai, S., Ishimaru, S., Mizukami, T., 2012, Methane and propane micro-inclusions in olivine in titanoclinohumite-bearing dunites from the Sanbagawa high-P metamorphic

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belt, Japan: Hydrocarbon activity in a subduction zone and Ti mobility, Earth and Planetary Science Letters 353-354, doi: 10.1016/j.epsl.2012.07.043

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