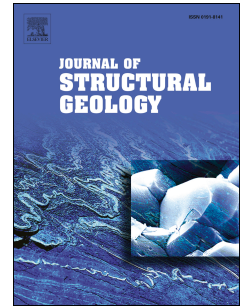


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**Recrystallisation, phase mixing and strain localisation in peridotite during rapid extrusion of sub-arc mantle lithosphere**

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**Key Words:** phase mixing; grain-size sensitive creep; strain localisation; grain size reduction; ultramafic; olivine

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