

Origin of compositional variation in alkali basalts from Pacific hotspots

Tetsu Kogiso [1], Kozo Uto [2], Hans Barszczus [3]

[1] Computational Sci. Lab., RIKEN, [2] GSJ, [3] Univ. Montp2

We report major and trace element compositions of alkali basalts from several hotspots in the Pacific ocean. We discuss compositional variations of hotspot alkali basalts and its relationship with age of lithosphere and heterogeneity of their source mantles.