

Contributions to Mineralogy and Petrology

Volume 165, Issue 6, June 2013

ISSN: 0010-7999 (Print) 1432-0967 (Online)

In this issue (16 articles)

Morphology and microstructure of chromite crystals in chromitites from the Merensky Reef (Bushveld Complex, South Africa)

Zoja Vukmanovic, Stephen J. Barnes... Pages 1031-1050

Disturbance versus preservation of U-Th-Pb ages in monazite during fluid-rock interaction: textural, chemical and isotopic in situ study in microgranites (Velay Dome, France)

A. Didier, V. Bosse, P. Boulvais, J. Bouloton... Pages 1051-1072

Petrogenetic relationships between peralkaline rhyolite dykes and mafic rocks in the post-Variscan gabbroic complex from Bocca di Tenda (northern Corsica, France)

Maria Rosaria Renna, Riccardo Tribuzio... Pages 1073-1085

Volatiles contents, degassing and crystallisation of intermediate magmas at Volcan de Colima, Mexico, inferred from melt inclusions

Olivier Reubi, Jonathan Blundy... Pages 1087-1106

Generation of adakites in a cold subduction zone due to double subducting plates

Hitomi Nakamura, Hikaru Iwamori Pages 1107-1134

Li, Be, B concentrations and $\delta^7\text{Li}$ values in plagioclase phenocrysts of dacites from Nea Kameni (Santorini, Greece)

Joan Cabato, Rainer Altherr, Thomas Ludwig... Pages 1135-1154

Crystallization sequence of the Upper Border Series of the Skaergaard Intrusion: revised subdivision and implications for chamber-scale magma homogeneity

Lars Peter Salmonsen, Christian Tegner Pages 1155-1171

Mantle and crustal processes in the magmatism of the Campania region: inferences from mineralogy, geochemistry, and Sr-Nd-O isotopes of young hybrid volcanics of the Ischia island (South Italy)

Massimo D'Antonio, Sonia Tonarini... Pages 1173-1194

Partial melting of lower crust at 10–15 kbar: constraints on adakite and TTG formation

Qing Qian, Jörg Hermann Pages 1195-1224

The origin of coarse garnet peridotites in cratonic lithosphere: new data on xenoliths from the Udachnaya kimberlite, central Siberia

Luc S. Doucet, Dmitri A. Ionov... Pages 1225-1242

On the iron isotope heterogeneity of lithospheric mantle xenoliths: implications for mantle metasomatism, the origin of basalts and the iron isotope composition of the Earth

Franck Poitrasson, Guillaume Delpech... Pages 1243-1258

Fluid inclusion modification by H₂O and D₂O diffusion: the influence of inclusion depth, size, and shape in re-equilibration experiments

Gerald Doppler, Ronald J. Bakker... Pages 1259-1274

Quantitative field constraints on the dynamics of silicic magma chamber rejuvenation and overturn

A. A. Bain, A. M. Jellinek, R. A. Wiebe Pages 1275-1294

Evolution of granitoids in the Catalina metamorphic core complex, southeastern Arizona: U-Pb, Nd, and Hf isotopic constraints

Katherine F. Fornash, P. Jonathan Patchett... Pages 1295-1310

Post-collisional, K-rich mafic magmatism in south Tibet: constraints on Indian slab-to-wedge transport processes and plateau uplift

Zhengfu Guo, Marjorie Wilson, Maoliang Zhang... Pages 1311-1340

Differentiation of nelsonitic magmas in the formation of the ~1.74 Ga Damiao Fe-Ti-P ore deposit, North China

Wei Terry Chen, Mei-Fu Zhou, Tai-Ping Zhao Pages 1341-1362