

Accepted Manuscript

The origin of the Palaeoproterozoic AMCG complexes in the Ukrainian Shield:
new U-Pb ages and Hf isotopes in zircon

Leonid Shumlyanskyy, Chris Hawkesworth, Kjell Billström, Svetlana
Bogdanova, Oleksandr Mytrokhyn, Rolf Romer, Bruno Dhuime, Stefan
Claesson, Richard Ernst, Martin Whitehouse, Olena Bilan

PII: S0301-9268(16)30239-X
DOI: <http://dx.doi.org/10.1016/j.precamres.2017.02.009>
Reference: PRECAM 4674

To appear in: *Precambrian Research*

Received Date: 1 July 2016
Revised Date: 21 December 2016
Accepted Date: 15 February 2017



Please cite this article as: L. Shumlyanskyy, C. Hawkesworth, K. Billström, S. Bogdanova, O. Mytrokhyn, R. Romer, B. Dhuime, S. Claesson, R. Ernst, M. Whitehouse, O. Bilan, The origin of the Palaeoproterozoic AMCG complexes in the Ukrainian Shield: new U-Pb ages and Hf isotopes in zircon, *Precambrian Research* (2017), doi: <http://dx.doi.org/10.1016/j.precamres.2017.02.009>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

The origin of the Palaeoproterozoic AMCG complexes in the Ukrainian Shield: new U-Pb ages and Hf isotopes in zircon

Leonid Shumlyanskyy^a, Chris Hawkesworth^{b,c}, Kjell Billström^d, Svetlana Bogdanova^e,
Oleksandr Mytrokhyn^f, Rolf Romer^g, Bruno Dhuime^c, Stefan Claesson^d, Richard Ernst^h,
ⁱ, Martin Whitehouse^d, Olena Bilan^f

^aM.P. Semenenko Institute of Geochemistry, Mineralogy and Ore Formation, Palladina ave.,
34, 03680, Kyiv, Ukraine. E-mail: lshumlyanskyy@yahoo.com

^bEarth and Environmental Sciences, University of St. Andrews, College Gate, North Street,
St. Andrews, KY16 9AJ, UK

^c Department of Earth Sciences, University of Bristol, Queen's Road, Bristol, BS8 1RJ, UK

^dDepartment of Geological Sciences, Swedish Museum of Natural History, Box 50007, SE-
10405 Stockholm, Sweden

^e Department of Geology, Lund University, Sölvegatan 12, SE 223 62 Lund, Sweden

^f Department of Geology, Kyiv Taras Shevchenko National University, Vasylykivska st., 90,
03022, Kyiv, Ukraine

^g GFZ German Research Centre for Geosciences, Telegrafenberg, Building B, 14473
Potsdam, Germany

^hDepartment of Earth Sciences, Carleton University, Ottawa, Ontario, Canada

ⁱFaculty of Geology and Geography, Tomsk State University, 36 Lenin Ave, Tomsk 634050,
Russia

The Ukrainian shield hosts two Palaeoproterozoic anorthosite-mangerite-charnockite-granite (AMCG) complexes (the Korosten and Korsun-Novomyrhorod complexes) that intruded Palaeoproterozoic continental crust in north-western and central parts of the shield,

Download English Version:

<https://daneshyari.com/en/article/5784765>

Download Persian Version:

<https://daneshyari.com/article/5784765>

[Daneshyari.com](https://daneshyari.com)