A Big Earth Data Platform for Three Poles

**Major and trace elements compositions of apatites from the granodiorite (porphyry) in the Chizhou region**

1、Description

In Chizhou area, the accessory mineral apatite in the sample granodiorite (porphyry) was extracted and screened, and its major and trace element compositions were calculated.
The table of geochemical results includes the results of chemical analysis of major elements and trace elements, as well as the data of whole rock δ EU and δ CE value analysis results.
among δ EU and δ The calculation formula of CE value is δ Eu=EuN/(SmN × GdN)1/2, δ Ce=2Ce/(La+Pr)
The main elements test site is located in the school of resources and environmental engineering, Hefei University of technology. The experimental instrument is jeol-jxa-8230m electron probe. LA-ICP-MS was used as analytical instrument in the State Key Laboratory of isotope geochemistry, Guangzhou Institute of geochemistry, Chinese Academy of Sciences.
The above data have been published in SCI high-level journals, and the data are true and reliable. The data is uploaded in Excel form.

2、Keywords

Theme：electron microprobe,magma,Rocks/Minerals,Geochemistry,Geologic Hazard,Isotopic geochemistry
Discipline：Solid earth
Places：Chizhou
Time：Mesozoic

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.03MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：30.67 | - |
| west：117.33 | - | east：117.67 |
| - | south：30.33 | - |

5、Time frame:None--None

6、Reference method

References to data:

XIE Jiancheng. Major and trace elements compositions of apatites from the granodiorite (porphyry) in the Chizhou region. A Big Earth Data Platform for Three Poles, doi:10.1016/j.oregeorev.2019.04.0182021

References to articles:

Jx, A., Dt, A., Dx, A., Yu, W.A., Ql, A., & Xy, B., et al. (2019). Geochronological and geochemical constraints on the formation of chizhou cu-mo polymetallic deposits, middle and lower yangtze metallogenic belt, eastern china. Ore Geology Reviews, 109, 322-347.

7、Supporting project information

The deep process and resource effect of major geological events in Yanshan period

8、Data resource provider

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