A Big Earth Data Platform for Three Poles

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

1、Description

In Chizhou area, the whole rock of granodiorite (porphyry) is analyzed, and the major and trace elements are 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 and trace elements were measured by X-ray fluorescence method, and the trace elements and rare earth elements were analyzed by ICP-MS.
The data is uploaded in Excel form.

2、Keywords

Theme：magma,Rocks/Minerals,Geochemistry,igneous rocks,Geologic Hazard,Isotopic geochemistry
Discipline：Solid earth
Places：Chizhou, Lower Yangtze River Belt
Time：Jurassic, Mesozoic

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.04MB

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 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:

Sun, & McDonough. (1989). Chemical and isotopic systematics of oceanic basalts: implications for mantle composition and processes. Geological Society London Special Publications, 42(1).

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

name: XIE Jiancheng
unit:
email: xiejiancheng08@163.com