A Big Earth Data Platform for Three Poles

**Geochemical data of Early Paleozoic high Ba-Sr intrusions in the North Qinling block, China**

1、Description

The data are U-Pb dating data, mineral trace geochemical data, whole rock major trace geochemical data and isotopic geochemical data of high Ba SR intrusives. Samples were collected from quartz diorite and diorite of high Ba SR intrusion in North Qinling block. The U-Pb isotopic data of zircon were obtained by laser ablation inductively coupled plasma mass spectrometry. The major and trace geochemical data of the whole rock were obtained by X-ray fluorescence spectrometry and inductively coupled plasma mass spectrometry. The whole rock isotopic geochemical data were obtained by multi receiver inductively coupled plasma mass spectrometry. The obtained data can reveal the petrogenesis of different high Ba SR intrusions and limit the formation time of corresponding tectonic settings.

2、Keywords

Theme：zircon,Rocks/Minerals,Geochemistry,Tectonics,High-Ba–Sr intrusions
Discipline：Solid earth
Places：North Qinling terrane
Time：early Paleozoic

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.197MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：34.07 | - |
| west：0.0 | - | east：106.63 |
| - | south：0.0 | - |

5、Time frame:None--None

6、Reference method

References to data:

REN Long. Geochemical data of Early Paleozoic high Ba-Sr intrusions in the North Qinling block, China. A Big Earth Data Platform for Three Poles, doi:10.1016/j.lithos.2018.06.0272021

References to articles:

Ren, L., Liang, H.Y., & Bao, Z.W., et al. (2018). The petrogenesis of early Paleozoic high-Ba-Sr intrusions in the North Qinling terrane, China, and tectonic implications, Lithos, 314–315, 534–550.

7、Supporting project information

Deep processes and resource effects of major geological events during the Yan Mountains period

8、Data resource provider

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