A Big Earth Data Platform for Three Poles

**Genetic constraints and Metallogenic Significance of Early Cretaceous adakite in Anqing area**

1、Description

The database includes: Table 1 LA-ICP-MS zircon analysis data of adakitic rocks in Anqing area; Table 2 in situ trace element data of zircons from Anqing adakitic rocks; Table 3 major and trace element compositions of adakitic rocks in Anqing area; Table 4 nd, Sr and Pb isotopic compositions of adakites in Anqing area; Table 5 la-mc-icp-ms zircon Hf isotopic compositions of adakitic rocks in Anqing area.  
U-Pb dating and trace elements were analyzed by LA-ICP-MS in the College of resources and environmental engineering, Hefei University of technology. The analysis of major and trace elements was carried out in Guangzhou ALS laboratory group (a commercial ICP-MS analysis laboratory) by ICP-MS. RB, Sr, SM and Nd isotopic data were measured by MAT-262 mass spectrometer in the laboratory of chemical geodynamics, University of science and technology of China.  
Through the above data, we can explore the influence of adakite on diagenesis and mineralization, and explain the process of mineralization in Anqing area.

2、Keywords

Theme：adakite,magma,Rocks/Minerals,Geochemistry,Geologic Hazard,Isotopic geochemistry  
Discipline：Solid earth  
Places：Anqing, Lower Yangtze River Belt  
Time：Cretaceous

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.138MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：30.8 | - |
| west：116.75 | - | east：116.9 |
| - | south：30.4 | - |

5、Time frame:None--None

6、Reference method

References to data:

XIE Jiancheng. Genetic constraints and Metallogenic Significance of Early Cretaceous adakite in Anqing area. A Big Earth Data Platform for Three Poles, doi:10.1080/00206814.2017.13626722021

References to articles:

Xie, J., Wang, Y., Li, Q., Liu, J., & Sun, W. (2018). Early cretaceous adakitic rocks in the anqing region, southeastern china: constraints on petrogenesis and metallogenic significance. International Geology Review, 60(11-14), 1435-1452.

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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