A Big Earth Data Platform for Three Poles

**Sulfide geochemical data set of skarn Cu (AU) deposit in Fenghuangshan area, Tongling**

1、Description

The data contents include: Table 4 electron microprobe data of pyrite and chalcopyrite in baoshandao and Fenghuangshan deposits; Table 5 LA-ICP-MS trace element data of pyrite in baoshandao and Fenghuangshan deposits; Table 6 LA-ICP-MS trace element data of chalcopyrite in Fenghuangshan deposit;
The element composition of pyrite and chalcopyrite was measured by jeol-jxa-8230m electron probe of School of resources and environmental engineering, Hefei University of technology. A total of 50 analysis points were analyzed. The analysis conditions were as follows: accelerating voltage 15kV, probe current 20na, peak diameter 5nm μ m。 The trace element compositions of pyrite and chalcopyrite single crystals were determined by resonance 193nm ArF excimer laser and Agilent 7500a ICP-MS in the State Key Laboratory of isotope geochemistry, Guangzhou Institute of geochemistry, Chinese Academy of Sciences. A total of 150 spots were analyzed.
The above data have been published in SCI high-level journals, and the data are true and reliable. The data is stored in Excel.

2、Keywords

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

3、Data details

1.Scale：None

2.Projection：

3.Filesize：0.15MB

4.Data format：None

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：30.9 | - |
| west：118.0 | - | east：118.08 |
| - | south：30.85 | - |

5、Time frame:None--None

6、Reference method

References to data:

XIE Jiancheng. Sulfide geochemical data set of skarn Cu (AU) deposit in Fenghuangshan area, Tongling. A Big Earth Data Platform for Three Poles, doi:10.1016/j.oregeorev.2020.1035372021

References to articles:

Jx, A., Dt, A., QA Lin, Yu, W.A., & Wsbc, D. (2021). Geochemistry of sulfide minerals from skarn cu (au) deposits in the fenghuangshan ore field, tongling, eastern china: insights into ore-forming process. Ore Geology Reviews, 122.

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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