A Big Earth Data Platform for Three Poles

**Geochemical characteristics of sulfide minerals in the skarn Cu (AU) deposit, Fenghuangshan ore field, Tongling**

1、Description

The data are in the form of jpg images, including: (1) binary curves of (a) Fe and s, (b) Cu and Fe in pyrite samples from baoshantao and Fenghuangshan skarn Cu (AU) deposits  
(2) Trace element contents of pyrite samples from baoshantao and Fenghuangshan skarn Cu (AU) deposits (3) trace element contents of chalcopyrite from Fenghuangshan skarn Cu (AU) deposits (4) trace element contents of pyrite and brass samples from different stages of baoshantao and Fenghuangshan skarn Cu (AU) deposits (a) Au, (b) AG (c) The relationship between the contents of Pb and (d) sb and as (5) the contents of (a) Pb and Bi, (b) Pb / CO and Ag / Co, (c) Au and Cu in pyrite and chalcopyrite samples from baoshantao and Fenghuangshan skarn copper (gold) deposits (d) (6) LA-ICP-MS trace element correlation of Se Sn and CO as in chalcopyrite from Fenghuangshan deposit. (7) LA-ICP-MS trace element correlation of (a) Co and Ni, (b) se and as, (c) Au and Ni in pyrite and chalcopyrite from baoshantao and Fenghuangshan deposits  
This data chart provides intuitive results for the study of sulfide mineral characteristics of skarn copper (gold) deposit in Fenghuangshan ore field, Tongling.  
The article has been published in SCI journals, and the data is true and reliable.

2、Keywords

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

3、Data details

1.Scale：None

2.Projection：

3.Filesize：2.23MB

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. Geochemical characteristics of sulfide minerals in the skarn Cu (AU) deposit, Fenghuangshan ore field, 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

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