A Big Earth Data Platform for Three Poles

**Micrographs of granodiorite (porphyry) and molybdenite in Chizhou area**

1、Description

The micrographs of granodiorite (porphyry) and molybdenite in Chizhou area include pailou granodiorite, Mashi granodiorite (porphyry), Xishan granodiorite and Matou molybdenite.
The granodiorite (porphyry) in Chizhou area is gray white, granular (porphyry) structure and massive structure. They are mainly composed of quartz (20 – 25%), potash feldspar (20 – 25%), plagioclase (40 – 45%), amphibole (∼ 5%), biotite (∼ 10%), and accessory minerals such as zircon and apatite (Fig. 5a-d). Molybdenite is characterized by euhedral dihedral structure and occurs in vein, disseminated and nodular forms in quartz veins.

2、Keywords

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

3、Data details

1.Scale：None

2.Projection：

3.Filesize：4.28MB

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. Micrographs of granodiorite (porphyry) and molybdenite in Chizhou area. A Big Earth Data Platform for Three Poles, doi:10.1016/j.oregeorev.2019.04.0182021

References to articles:

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

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

8、Data resource provider

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