

Accepted Manuscript

Deposit density of tungsten polymetallic deposits in the eastern Nanling metallogenic belt, China

Tongfei Li, Qinglin Xia, Liheng Chang, Xinqing Wang, Zhuangzhuang Liu, Shaojun Wang

PII: S0169-1368(16)30249-9

DOI: <https://doi.org/10.1016/j.oregeorev.2018.01.010>

Reference: OREGEO 2455

To appear in: *Ore Geology Reviews*

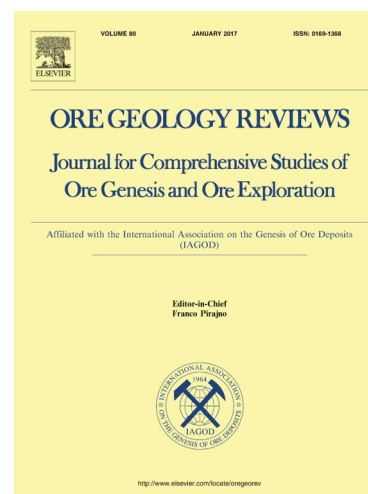
Received Date: 7 May 2016

Revised Date: 3 September 2017

Accepted Date: 12 January 2018

Please cite this article as: T. Li, Q. Xia, L. Chang, X. Wang, Z. Liu, S. Wang, Deposit density of tungsten polymetallic deposits in the eastern Nanling metallogenic belt, China, *Ore Geology Reviews* (2018), doi: <https://doi.org/10.1016/j.oregeorev.2018.01.010>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Deposit density of tungsten polymetallic deposits in the eastern Nanling metallogenic belt, China

Tongfei Li¹, Qinglin Xia^{1,2*}, Liheng Chang¹, Xinqing Wang¹, Zhuangzhuang Liu¹,
Shaojun Wang¹

1. Faculty of Earth Resources, China University of Geoscience, Wuhan 430074, China

2. Cooperative Innovation Center for Scarce Mineral Resources Exploration, Wuhan
430074, China

Abstract

Estimations of numbers of undiscovered mineral deposits are critical for quantitatively assessing mineral resources. Traditional statistic methods are limited to analyzing the spatial distribution of mineral deposits, which can be considered spatial point processes because of complexity, self-organized criticality and singularity properties. In this study, spatial statistic methods, including average nearest neighbor distance, Fry analysis, K function and fractal analysis, are used to quantify the agglomeration and fractal characteristics of tungsten polymetallic deposits in the eastern Nanling metallogenic belt (ENMB). Local singularity analysis for W-Sn-Mo-Bi-Be association is used to delineate the permissive areas for tungsten deposits. The results show that tungsten polymetallic deposits are distributed with

*Corresponding author at: Lumo Road No.388, Hongshan District,
Faculty of Earth Resources, China University of Geosciences, Wuhan 430074, China
E-mail address: qlxia@cug.edu.cn (Q. Xia)

Download English Version:

<https://daneshyari.com/en/article/8909746>

Download Persian Version:

<https://daneshyari.com/article/8909746>

[Daneshyari.com](https://daneshyari.com)