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湘南香花铺云英伟晶岩研探 [点此下载全文](#)

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摘要:

湘南香花铺地区产出一类具伟晶结构的云英岩, 它们发育有一系列宏观、微观地质特征, 充分表明其主要与已知的岩浆岩及其蚀变岩石中, 尚无与之相同或相似的岩性, 因此, 它们实属一类新发现的火成岩, 即云英伟晶岩。本文介绍了湘南香花铺地区云英伟晶岩的地质、地球化学特征; 提出了云英伟晶岩的分类方案; 结合有关成岩实验资料, 探讨了这类岩石的

关键词: [云英岩](#) [伟晶结构](#) [地质特征](#)

STUDY OF GREISEN-PEGMATITE IN THE XIANGHUAPU DISTRICT, HUNAN [Download Fulltext](#)

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Abstract:

Some greisen bodies occurring in the Xianghuapu district, Linwu County, Hunan Province, are characterized by their coarse texture, horizontal zonation, inhomogeneity in texture, structure and mineral assemblage, presence of quartz, and enrichment in F, H₂O, Li, Rb and K and depletion in Na. According to the occurrence and fluid-inclusion data for these greisen bodies, the author thinks that they directly crystallize from a K-rich and Na-poor greisenic magma ("esuiite magma") under closed conditions. This conclusion has been supported by the data of experimental petrology of the system granite-H₂O-RF (R = Li, Na, K, Rb, Cs and H⁺). The paper introduces briefly the geological and geochemical features of these greisen-pegmatite bodies in the known igneous rocks and their altered rocks; therefore they might be reclassified as magmatic greisen, and named greisen-pegmatite by the author according to their mineral assemblage, texture and origin. The paper introduces briefly the geological and geochemical features of these greisen-pegmatite bodies, and discusses their lithogenetic suggestion on classification and nomenclature of greisen-pegmatite, and discusses their lithogenetic

Keywords: [greisen](#) [pegmatitic texture](#) [new type of igneous rocks \(greisen-pegmatite\)](#) [classification and nomenclature](#) [petrogenetic mechanism](#)

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