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## 川南鲁班山矿瓦斯地质系统(PDF)

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Title: Gas geology system of Lubanshan coal-mine, southern Sichuan

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关键词: [瓦斯地质系统](#); [地质构造](#); [鲁班山矿](#); [川南](#)

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摘要: 鲁班山矿是我国西南地区重要的大型矿山,属于高瓦斯矿。应用瓦斯地质系统理论,对鲁班山矿煤层瓦斯的生成、储集和保存地质条件和作用进行了研究。研究表明,地质构造、煤层厚度、煤层埋藏深度、煤层顶底板岩性、煤变质程度和煤中水份等是影响鲁班山矿瓦斯赋存的主要地质因素。瓦斯灾害预测应注意这些地质因素,尤其要重视各项地质因素的组合效应。

Abstract: Lubanshan coalmine is a large and high-gas mine in southwest China. Using gas geology system theory, we investigated the formation, reservoir, and conservation of gas. The results show that, geological structure, coal seam thickness, buried depth of coal seam, lithology of roof and floor, grade of coal metamorphism, and water content of coal are the main geological factors to influence the existence of gas in Lubanshan coalmine. So, for the prediction of the gas disaster, attention should be paid to these geological factors, especially the combination of these factors.

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