

山西宁武冰洞国家地质公园典型地质遗迹资源及科学意义

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引用本文：方世明,郭旭,郑斌,阎世龙,孙占亮.2010.山西宁武冰洞国家地质公园典型地质遗迹资源及科学意义[J].地球学报,31(4):605-610.

DOI: 10.3975/cagsb.2010.04.14

摘要点击次数: 1061

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基金项目：“山西宁武冰洞国家地质公园总体规划修编”项目(编号: KH096430)

中文摘要:所谓冰洞是指全年365天都存在冰的洞,是一种极神秘的洞穴旅游资源。目前国内发现的冰洞只有10多处,其中山西宁武冰洞冰量最大,形态最好,冰花种类最多,是一处珍贵的地质遗迹资源。本文在对宁武冰洞国家地质公园进行总体介绍基础上,对公园范围内发育的地质遗迹资源进行归纳总结并分类,然后对宁武冰洞这一典型而独具特色的地质遗迹从地质地貌特点、冰洞发育及成因进行归纳探讨,并对国内外目前所发现的10多个冰洞进行比较,指出宁武冰洞是现在世界上已知在中纬度中高山地区保存最好,规模最大,冰体最多直接见到地质时期存有古冰的冰洞,是一种非常特殊的、罕见的、脆弱的、不可再生的地质遗迹资源。

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The Typical Geological Heritage of the Ningwu Ice Cave National Geopark in Shanxi Province and Its Scientific Significance

Abstract:Ice cave is a kind of cave covered with ice all the year round and serves as a very mysterious cave tourism resource. Up till now, only over ten ice caves have been found in China, among which the Ningwu Ice Cave in Shanxi Province has the largest amount of ice as well as the best form and the most variable types of ice, thus being a very valuable geological heritage resource. Based on a general description of the Ningwu Ice Cave National Geopark, this paper summarizes and classifies the development of geological heritage resource in the park and generalizes the typical and unique geological heritage resource of Ningwu Ice Cave in the aspects of geomorphological feature, the development of the ice cave and the genesis. On such a basis, this paper make a comparative study of more than ten ice caves found in China and abroad, and points out that, with its largest scale, the largest amount of ice and the possibility of direct observation of the ancient ice formed during the geological period among all known caves in middle latitudes of mountains, the Ningwu Ice Cave can be regarded as the best preserved area of such geological phenomenon. The Ningwu Ice Cave is a kind of very sparse, fragile and non-renewable geological heritage resource.