

## 河北迁安-迁西国家地质公园地质遗迹资源类型划分及评价

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中文摘要: 迁安-迁西国家地质公园拥有古老地层、峡谷、溶洞、断层、褶皱等丰富的地质遗迹资源,其中以古老地层剖面为其主体内容。本文是在地质遗迹资源调查研究的基础上,将该公园地质遗迹类型划分为地层学遗迹、地貌类遗迹、构造地质遗迹和古生物化石遗迹4大类,然后以地质遗迹资源单体或类型为评价对象,运用层次分析法(AHP),对地质遗迹资源自身价值要素进行定量评价,得出迁安-迁西国家地质公园内的主要地质遗迹资源达到世界级1处,国家级10处,省级15处,地方级17处。该评价结果是深入分析迁安-迁西国家地质公园内地质遗迹资源状况的基础,对公园地质遗迹的保护、开发利用和规划管理等工作具有一定的参考价值。

中文关键词: [国家地质公园](#) [地质遗迹](#) [资源类型](#) [资源评价](#) [层次分析法](#)

## The Classification and Assessment of Geological Heritage Resources in the Qian'an-Qianxi National Geopark

**Abstract:** The Qian'an-Qianxi National Geopark has rich geological heritage resources, such as ancient strata, canyons, caves, faults and folds, in which the whole stratigraphic systems, such as Qianxi Group, Changcheng System and Ordovician section, play an important role. On the basis of detailed researches, the geological heritage resources are divided into four categories, i.e., geological heritage sites of stratigraphy, geomorphological heritages, structural geological heritages and fossil heritages. In evaluating geological heritages, the monomers or types of geological heritage resources are taken as the objects of evaluation, the value of resource factor and the external factors of resources are chosen as the layer of comprehensive evaluation of the geological heritage resources, and the value of resource, the characteristics of resource, the influence on resources and the environmental factors are selected as the project of evaluation. In the project of evaluation, 13 evaluation factors are determined through refinement, which are scientific value, the value of science education, the value of tourism development, aesthetic value, rarity and peculiar nature, vulnerability, scale, abundance, integrity, social awareness, social influence, ecological environment, and geological environment. Then the Analytic Hierarchy Process (AHP) method is employed to evaluate the value of geological heritage resources. The results have led the authors to reach the conclusion that the Qian'an-Qianxi National Geopark includes a world-class geological heritage, 10 national geological heritages, 15 provincial geological heritages and 17 local geological heritages. The results obtained by the authors can help understand the geological heritage resources in the Qian'an-Qianxi national geological park, and can also provide basis for the protection, development and utilization of geological heritages as well as the planning and management of the geopark.


**keywords:** [School of Earth Sciences and Resources](#) [China University of Geosciences](#)

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