

Is there solar power generation in Qinling Mountains

Are the Qinling Mountains warming?

Recent warming in the context of the past three centuries As indicated by the instrumental observations, the western Qinling Mountains has experienced a significant warming in recent decades, with extreme warm indices increased dramatically (Jiang et al., 2016).

Does the western Qinling Mountains belong to a large-scale climate system?

In other words, the temperature variation patterns in the western Qinling Mountains are synchronized with continental and hemispheric thermal variations over the past three centuries, suggesting that the thermo-dynamics of the western Qinling Mountains belongs to the large-scale climate system. Fig. 7.

Does the Qinling Mountains have a minimum temperature reconstruction?

Here, we present an annual (December-November) minimum temperature reconstruction for the western Qinling Mountains from 1675 CE. The study area has experienced a continuous warming since the 1860s, and the temperature after the 1980s is unprecedented over the past three centuries.

Do volcanic eruptions influence temperature changes in the western Qinling Mountains?

In general, the thermal variation in the western Qinling Mountains has potential association with solar activity. To explore the possible influence of volcanic eruptions on temperature changes in the study area, the reconstructed aerosol optical depth (AOD) data was used for analysis (Crowley and Unterman, 2013).

Why is the Qinling Mountains a major water source?

The water resource of the Qinling Mountains is the main water source for the Central Route of the South-to-North Water Diversion Project of China, contributing about 70 % of the total water supply. This project has effectively addressed the water scarcity in the North China Plain (Bai and Li, 2022).

Why are the Qinling Mountains important?

The Qinling Mountains serve as a natural boundary separating the climatic, biological, hydrological, pedological, and geological elements of northern and southern China, playing a vital role in the nation's ecological stability.

The Qinling-Daba Mountains is the transitional zone of the north and south of China. The vegetation in this area, characterized by complexity, heterogeneity and transition, ...

There is no significant geographic genetic diversity across different golden takin populations within the Qinling Mountains. However, we did show significant diversity between ...

Mountains in the middle; Qinling in the narrow sense refers only to the Qinling Mountains within Shaanxi

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Province. This paper takes the Qinling Mountains in the narrow ...

The giant panda (*Ailuropoda melanoleuca*), a national treasure and living fossil, is an extremely rare and wild endangered animal in China, and it is also the flagship species of Species Diversity Protection in the world ...

(b) Reconnecting population genetic distance and Euclidean distance in our sample set, indicating variations divided by major roads. There are several major roads that IBD did not play a key role in the ...

Bluesun Poly 280W high efficiency panel and 50KW String Inverter used in the large solar power plant in Shanxi. In August 3rd 1.2017, solar power plant Weidong Luonan County officially put into operation of grid connected station ...

The wild giant panda habitat is inaccessible and far away from the main areas of human activity, so environmental pollutants entering the habitat are mainly the result of external migration and ...

The Qinling Mountains serve as a vital ecological barrier for China, needing regular monitoring for sustainable progress. The present study analyzed the Qinling Mountains (sections in Shaanxi province) via the Google ...

The present study analyzed the Qinling Mountains (sections in Shaanxi province) via the Google Earth Engine (GEE) and Landsat images, constructing a Remote Sensing Ecological Index (RSEI) for quantitatively ...

On the basis of land-use and climatic changes in the Qinling Mountains of Shaanxi province, we constructed a response model among land use, climate, and runoff in the Qinling Mountains through the Soil and Water ...

There are 92.2% of the Qin Mountains areas with high NDVI, i.e. $NDVI > 0.5$ C. H. et al. Spatial-temporal variation of the vegetation coverage in qinling mountains and its ...

Land use changes map for the Qinling-Daba mountains from 2000 to 2015. (a) Classification of land use in 2000; (b) Classification of land use in 2005; (c) Classification of ...



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