

The results showed that wind power operation significantly reduced the dominance of Poaceae and Cyperaceae plants in both types of grasslands and significantly increased the Shannon diversity of meadow ...

To investigate this issue, we selected wind farms in 6 meadow grasslands and 6 typical steppes in the central region of Inner Mongolia, the province with the largest scale of grassland wind power ...

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Wind energy deployment is increasing globally to meet carbon neutrality goals, with upscaling of onshore wind power capacity projected to grow from 542 GW in 2018 to 1787 and 5044 GW ...

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An analysis of displacement from wind turbines in a wintering grassland bird community ... We used a random number generator to obtain a direction (0-360 ) and a distance (0-50 m) from ...

What is a Wind Power Plant? A wind power plant is also known as a wind farm or wind turbine. A wind power plant is a renewable source of electrical energy. The wind turbine is designed to use the speed and power of wind and convert it ...

grassland birds as habitat is destroyed and fragmented during the construction of wind turbines and related infrastructure (Pearce-Higgins et al. 2012). Furthermore, several studies have ...

Wind energy development is rapidly increasing within breeding and wintering ranges of many grassland birds in North America. Despite recognized environmental benefits ...

the effect of wind power development on grassland quality. Specifically, we compare counties with and without wind power development before and after the operation of wind farms with ...

Keywords: wind power; gobi grassland wind farm; turbine wakes; WRF model; mathematical statistics algorithms; machine learning algorithms; optimization 1. Introduction Wind energy, as ...



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