An exceptionally well-preserved theropod dinosaur from the Yixian Formation of China

To describe the exceptionally well-preserved fossils of a theropod dinosaur from the Yixian Formation of northeastern China, we discuss the research findings and provide insights into the evolutionary history of these magnificent creatures. The Yixian Formation, located in the northeastern part of China, is renowned for its rich fossil record, offering a glimpse into the ancient world of dinosaurs. This formation is particularly significant for its well-preserved fossils, which provide valuable information about the behavior and ecology of these prehistoric animals.

Two feathered dinosaurs from northeastern China

In this study, we focus on the discovery of two feathered dinosaurs from northeastern China, providing insights into the evolution of avian characteristics. The research is based on a comprehensive analysis of fossil remains, including bone structures and fossilized feathers. The findings contribute to our understanding of the evolutionary transition from non-avian dinosaurs to modern birds.

letters to nature

Modern feathers on a non-avian dinosaur

The presence of modern feathers on non-avian dinosaurs challenges our understanding of the evolution of feathers. This research suggests that feathers evolved much earlier than previously thought, with implications for the evolutionary history of birds and other dinosaurs.

letters to nature

The distribution of integumentary structures in a feathered dinosaur

This research explores the distribution of integumentary structures in feathered dinosaurs, offering insights into their adaptation to different environments and their biological functions. The study highlights the complexity of feather development and shedding in these ancient animals.

letters to nature

Branched integumental structures in Sinraptor and the origin of feathers

This study examines branched integumental structures in Sinraptor, offering insights into the evolution of feathers and their precursors. The research suggests a possible mechanism for feather development, contributing to our understanding of the evolutionary origins of feathers.

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