

The tectonics of China : data, maps and evolution / Tianfeng Wan

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20405718&lokasi=lokal>

Abstrak

The book presents the regional geological and petroleum surveys of China, the author's original tectonic data, and research results of Chinese and international scientists (more than 1500 references) from the last three decades. It examines the main developments of geological evolution, a series of tectonic events in the overall geological history, 13 tectonic maps of the entire continent of Asia in different tectonic epochs, and a general discussion of the main tectonic characteristics of the Chinese continental plate. This book also intensively discusses the Mesozoic-Cenozoic tectonics and intraplate deformations, which control the majority of ore deposits and oil-gas reservoirs and have a tremendous influence on the climates and natural disasters on the continent. Some important tectonic theory problems are discussed, such as the mechanisms of the widespread intraplate deformation, the variation of lithosphere thickness, the existence of mantle plumes, the dynamic mechanisms for global tectonics, and the author's proposed hypotheses on mantle plumes and meteorite impacts.