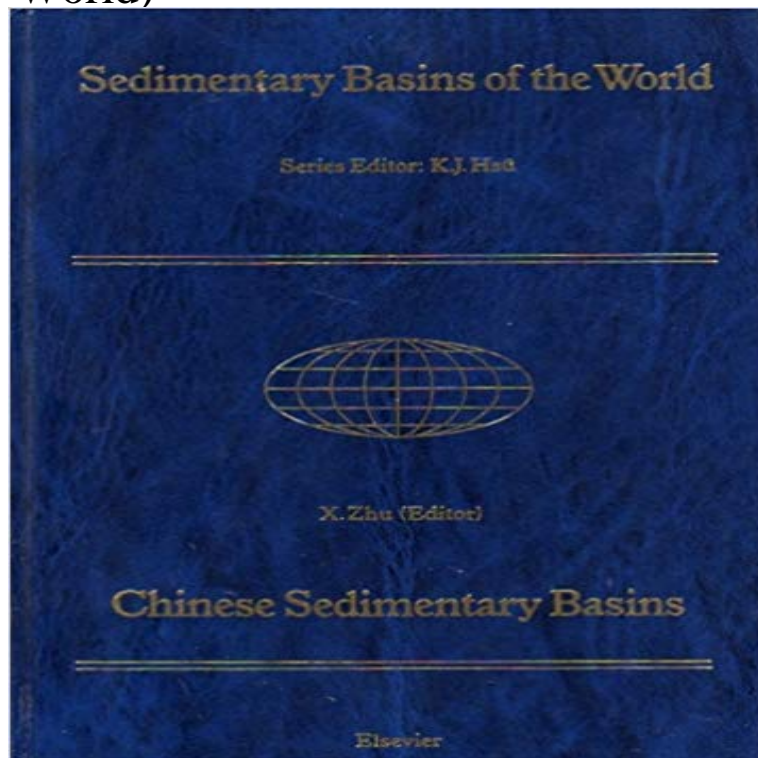


Chinese Sedimentary Basins, Volume 1 (Sedimentary Basins of the World)



This volume summarizes the geology of Chinese sedimentary basins, their origin, sedimentary history, tectonic evolution and economic potential, presenting much up to date geological and geophysical information from the files of regional surveys and petroleum-research organizations. Basic data are presented in the various chapters written by Chinese scientists. Much of the information presented was previously only available in Chinese geological literature. It includes a new synthesis on the tectonics of South China, which is revolutionizing the geology of China. This new synthesis permits the reader to understand the geology of China in terms of the modern plate-tectonic theory. It also gives a penetrating analysis on the economic potential of Chinese sedimentary basins, especially in those relic back-arc basins, such as Tarim and Junggar. Previous books on the geology of China have provided rather a narrow interpretation of plate-tectonics due to the now defunct geosyncline theory. This volume gives a new interpretation which completely opposes the concept of the old school. It shows, for example, that South China is not a post-Caledonian platform, but a Mesozoic orogenic belt, and points out that the Tarim and Junggar are not intracratonic basins, but relic back-arc basins of the Black Sea type with tremendous potential for hydrocarbon occurrences. Invaluable for university courses because of its new perspective of basin analysis, this book will quickly become the definitive source on the geology of China.

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