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Titolo	Lithofacies Paleogeography and Geological Survey of Shale Gas [[electronic resource] /] / by Chuanlong Mou, Xiuping Wang, Qiyu Wang, Xiangying Ge, Bowen Zan, Kenken Zhou, Xiaowei Chen, Wei Liang
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Nota di contenuto	Introduction -- Analysis of factors controlling shale gas enrichment -- Shale Gas Geological Survey -- Examples—Taking the Ordovician Wufeng Formation-Silurian Longmaxi Formation in Southern Sichuan and its periphery as an example -- Hirnantian Glaciation.
Sommario/riassunto	This is an open access book. This book presents new theory and methods on compiling lithofacies paleogeographic maps as a key tool for guiding geological survey on shale gas. The fundamental goal of the shale gas geological survey is to find the 'dessert' area. It is therefore suggested that the lithofacies paleogeographic study and the technique of mapping should be a solid scientific basis for shale gas exploration. It takes Ordovician Wufeng-Silurian Longmaxi Formation in Sichuan Basin and its adjacent area as an example to illustrate how to find the 'dessert' area of shale gas in geological survey phase by compiling lithofacies paleogeographic map. It's a valuable reference for both scientific research and teaching courses in the fields of sedimentary lithofacies, paleogeography, stratigraphy, and oil and gas.