

# 《煤层气储层与开发工程研究进展》

## 图书基本信息

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## 内容概要

《煤层气储层与开发工程研究进展(套装上下册)》介绍了亚洲太平洋地区煤层气储层与开发工程研究进展，主要内容包括：煤层气地质与储层工程、煤层气勘探、钻井、完井、增产改造与排采工程、煤层气地面集输、利用工程、煤层CO<sub>2</sub>注入与地质储存工程、煤层气政策、经济、市场与信息技术、煤矿瓦斯赋存、运移、抽采及安全工程。

《煤层气储层与开发工程研究进展(套装上下册)》可作为煤层气勘探开发及瓦斯抽采等相关科技人员参考、使用。

## 书籍目录

第一编 地质与储层工程 Geological controls on the formation of coalbed methane reservoirs and prediction of target areas of Turpan-Hami basin , Northwest China Preliminary discussion and application of P-wave technique for predicting the gas-bearing property in CBM reservoir Swelling behaviors of Yangquan coal induced by adsorption of CH<sub>4</sub> and CO<sub>2</sub> Characterization of carbonaceous materials for their accessibility to methane-a Concept of accessible pore size distribution Evaluation of the adsorption potentials of argon and methane on the adsorption behavior on carbon surfaces Adsorption-desorption characteristics for China coal of various ranks Study of the coal ultrafine fractures based on atomic force microscope (AFM) Coal-bed methane potential of Qinshui basin , Shanxi , China The permeability picture : a coalbed methane collage The optimization of evaluation index on high abundant CBM enrichment area Gas sorption and transport processes in coals : Recent results of an Australia-China-Germany research co-operation A study on the relationship between anthracite fissure-pore system and the production of coalbed methane in Jincheng Really CO<sub>2</sub> dissolvable into coal structure , fiction or fact Study on methodology of small scale coalbed methane exploitation target block evaluation The response of porosity properties of low-grade coal reservoirs to Magma invasive Geologic control on CBM content in a certain developing block of southern Qinshui basin Analysis of reservoir characteristics and main geological control factors of CBM in Pingdingshan coal mining area Prediction of coal porosity using seismic and logging data Geology and potential of Coalbed methane resources from Guizhou , China Long term permeation and diffusion of gas in coal reservoirs Analysis of solid-liquid-gas interaction in coal reservoirs based on Dubinin-Radushkevich model The discussions between structure curvature and coalbed methane production parameters of Zaoyuan block of Qinshui Basin The impact of components concentration on CH<sub>4</sub> desorption in CO<sub>2</sub>-CH<sub>4</sub> mixed gas desorption isotherm experiments Experimental study on directional permeability of coal for coalbed methane recovery Study on enrichment area of coalbed methane in the middle part of Hedong coal mine field Study on tectonic stress field in the middle part of Hedong coal mine field A study in adsorption characteristics of lignite in China Study on model of drainage induces permeability change and reservoir modeling in coalbed methane vertical well Experimental study of anisotropic strain behavior of Coal Study of CBM geology characteristics of Gemudi syncline in the west of Guizhou Province Characteristics and controlling factors of the coal reservoir pressure of Panguan syncline in western Guizhou Province Study on the seepage law of coal-rock fragments in goal Investigation of the preferential adsorption / desorption behavior of N<sub>2</sub> , CH<sub>4</sub> and CO<sub>2</sub> on coal Exploration orientation and development proposal of coalbed methane in Qinshui basin of Shanxi Province Fractal characteristics of coal reservoir micropore system , east margin of Ordos basin The theoretical model for porosity evolution during coal deformation process Dynamic 4D coal permeability—the benefits of a constant volume reservoir 羊叉滩井田地下水与煤层气赋存运移的关系 贵州格目底向斜煤层气成藏地质特征及勘探潜力 沁水盆地南部煤层气单井产量影响因素分析 鄂尔多斯盆地深部煤层气勘探潜力分析 煤体变形对煤晶体结构的影响 沁水盆地郑庄区块影响煤层气产能的因素 浅析华北晚古生代含煤盆地构造演化过程中煤层气赋存特征与富集机理 煤层气储层物性变化规律研究 煤层气非均质分布特征及富集规律 探讨焦作恩村井田二1煤层含气量控制因素分析 .....

第二编 钻井、完井、增产改造与排采工程 第三编 地面集输、利用工程 第四编 煤层CO<sub>2</sub>注入与地质存储工程 第五编 政策、经济、市场与信息技术 第六编 煤矿瓦斯赋存、运移、抽采及安全工程

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