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# 煤矿安全<sup>®</sup>

## Safety in Coal Mines

承压水上含断层煤层开采底板突水规律研究  
 基于双向流固耦合的液压立柱冲击特性分析  
 冻结井外层井壁混凝土水化热对冻结壁影响规律研究  
 基于微观结构和气体产物特征的风化煤与氧化煤自燃差异研究

SAFETY  
IN COAL MINES

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