Special Issue

Micro-Mechanism and Characteristics of Coal Reservoirs

Message from the Guest Editors

As a complex porous medium, coal reservoir has the characteristics of low porosity, low permeability, and low saturation. Coal reservoir is not only the main space for coalbed methane (CBM) enrichment, but also the main channel for CBM seepage. The adsorbed methane is mainly controlled by the microstructure characteristics. In recent years, the description and evaluation of the microscopic characteristics of coal reservoirs have been the focus of CBM exploration and development, which mainly includes research on the pore structure, fluid characteristics, molecular structure, pore size distribution, adsorption, and other aspects of coal reservoirs. The present Special Issue on "Micro-Mechanism and Characteristics of Coal Reservoirs" is proposed to discuss the key characterization of the microstructure of coal reservoirs and understand the specific characteristics and differential characteristics of coal reservoirs in China. It also provides some information for the exploration and development of coalbed methane.

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Minerals welcomes submissions that report basic and applied research in mineralogy. Research areas of traditional interest are mineral deposits, mining, mineral processing and environmental mineralogy. The journal footprint also includes novel uses of elemental and isotopic analyses of minerals for petrology, geochronology and thermochronology, thermobarometry, ore genesis and sedimentary provenance. Contributions are encouraged in emerging research areas such as applications of quantitative mineralogy to the oil and gas, manufacturing, forensic science, climate change, geohazard and health sectors.

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