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Current Advances in Fracture Characteristics of Shale

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Deadline for manuscript submissions:
closed (31 December 2021)

Message from the Guest Editors

Dear Colleagues,

As a relatively cleaner energy resource compared to other hydrocarbon resources, shale gas is a realistic option for energy consumption and has become especially important in the global unconventional oil and gas exploration and development.

The primary challenge is that the physical and mechanical behaviors of its storage medium, i.e., shale, with its characteristics of low permeability and multilevel anisotropy, are not well understood. Therefore, further research on the physical and mechanical properties of shale, particularly the macroscopic and mesoscopic fracture mechanism of shale, is of practical significance for applying hydraulic fracturing in the exploration and exploitation of shale gas. To provide the newer processes, approaches, and designs to help to increase the production rates of shale gas and maximize its unconventional potential, this Special Issue, entitled "Current Advances in Fracture Characteristics of Shale", will cover original research and studies related to the abovementioned topics.

We welcome you to submit your work to this Special Collection, and we are looking forward to receiving your outstanding research.

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Editor-in-Chief

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Message from the Editor-in-Chief

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