

Special Issue

Current Advances in Fracture Characteristics of Shale

Message from the Guest Editors

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.

Guest Editors

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Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

Editor-in-Chief

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