Special Issue

Latest Advances and Prospects in Nanogeoscience

Message from the Guest Editors

Nanogeoscience has blossomed recent years, especially with success of shale oil and gas. However, due to the pore structure and heterogeneity of shale, it is challenging to reveal the pore system of shale and decipher controlling factors. The migration and occurrence mechanisms of shale oil and gas are still disputable. Nanomaterials announces a Special Issue entitled “Latest Advances and Prospects in Nanogeoscience” to present advances in the characterization of shale pore systems. This Special Issue will focus on the technological issues related to the microscopic characteristics of shale reservoirs. The topics include, but are not limited to: New technologies and methods regarding the microscopic characterization of shale.
The microscopic distribution characteristics of different types of fluids in shale.
The migration and occurrence mechanisms of shale hydrocarbons.
The evolution characteristics of organic matter pores and inorganic pores.
The enrichment mechanism of shale oil and gas. See more information in:
https://www.mdpi.com/journal/nanomaterials/special_issues/69X656IQX1

Guest Editors

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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

Editor-in-Chief

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