



crystals



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Crystal Chemistry of Uranyl Compounds

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Message from the Guest Editor

Dear Colleagues,

Uranyl compounds are known as important constituents of spent nuclear fuel and oxidation zones of mineral deposits. Due to their importance for catalysis, ion-exchange, and absorption applications, understanding the trends in chemistry and structural diversity of alteration products of primary (or first formed) uranium compounds is important for predicting long-term behavior of radioactive wastes in geological repositories. The compounds of hexavalent uranium have witnessed increasing interest not only due to their essential role in energy production but also because of the particular abundance and non-triviality of their crystal chemistry.

We invite you to participate in this Special Issue and to contribute your research results in the fields of uranyl compounds crystal chemistry, structural studies of uranium minerals and related synthetic compounds, structural topology and relationships between compounds, studies of their physical properties, descriptions of growth processes, and natural and synthetic uranyl compounds.

Dr. Evgeny Nazarchuk
Guest Editor



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Special Issue



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Message from the Editor-in-Chief

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