

Sorption of Zirconium on Quartz

Monday, 24 October 2022 15:45 (15 minutes)

The issue of disposal of zirconium containing waste has not yet been resolved. The safety of storage facilities is defined by the migration ability of radionuclides; one of the main factors is sorption on minerals. This work is devoted to the study of the ability of zirconium to sorption on quartz. Sorption mechanisms and its quantitative characteristics have been investigated by experimental methods and calculations with DFT. Data on the sorption of zirconium on quartz have been obtained for the first time and can be used for further research.

Primary author: Ms KISELYOVA, Sofia

Co-author: Mr PETROV, Vladimir

Presenter: Ms KISELYOVA, Sofia

Session Classification: Applied Research

Track Classification: Applied Research