



Adsorption and Desorption Behavior for Rare Earth Metal Ions

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Message from the Guest Editors

Rapid development of human society over the last hundred years has resulted in a sharp increase in the number and amount of pollutants emitted into the environment, leading to severe imbalances. Simultaneously, there was observed a huge increase in the rare earth element usage. Broad diversification of industrial products used for improvement of our living conditions is responsible for most pollutant emissions. In this context, it is important to produce suitable materials (adsorbents, catalysts, and so on) to reduce the pollutant amount discharged into the environment. Most suitable technology used for rare earth metal recovery is represented by adsorption. In this context, it is important to better understand rare earth metallic ions adsorption – desorption processes.

The topics of interest include, but are not limited to: adsorption, desorption, characterisation techniques, scanning electron microscopy, scanning probe, optical microscopy, X-Ray diffraction, FT-IR.





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Message from the Editor-in-Chief

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