

عنوان مقاله:

Adsorption behavior of silver onto alumina modified with dithiooxamide: process optimization, kinetics and equilibrium

محل انتشار:

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خلاصه مقاله:

A number of supports have been widely used for the removal of trace metal ions from various matrices. The most prominent among the supports used are activated carbon, [1], sodium dodecyl sulfate (SDS) coated on alumina [2], modified chromosorb [3]. Among these adsorbents, alumina is an important place in the removal studies of heavy metal ions. When a modifier is immobilized at the surface of alumina, the removal mechanism has changed. The target metal is not only removed by adsorption on the surface of the alumina but it could be removed by a surface attraction/chemical-bonding phenomenon on the newly added chemicals. The purpose of this work is to investigate the feasibility of absorption of Ag^+ ion on SDS coated on alumina modified with dithiooxamide.

کلمات کلیدی:

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