عنوان مقاله:
Removal of pb2+ from polluted water samples using maghemite nanoparticles modified by EDTA

محل انتشار:
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خلاصه مقاله:
At this work, we propose a novel nano adsorbent for removal of high amount of lead ions from wastewater.The size of the produced maghemite nanoparticles was determined by X-ray diffraction (XRD) analysis and scanning electron microscopy (SEM). Synthesized maghemaite nanoparticles showed high adsorption capacity to removal of pb2+ from wastewater. The optimum pH for pb2+ removal was 6. The adsorption capacity was evaluated using both Langmuir .and Freundlich adsorption isotherm models

کلمات کلیدی:
Maghemite nanoparticles, Polluted water samples, Modified nanoparticles, Removal