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Synthesis of nickel ferrite/titanium oxide magnetic nanocomposite and its use to remove hexavalent chromium from aqueous solutions

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Highlights

- Nickel ferrite nanocomposite were successfully synthesized by using Stober method and functionalized with TiO₂ particles.
- The effect of retention time, pH, different concentrations of Nickel ferrite nanocomposite and lead was investigated.
- The adsorption isotherms such as Freundlich, Langmuir, Temkin and the adsorption kinetics were studied.

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