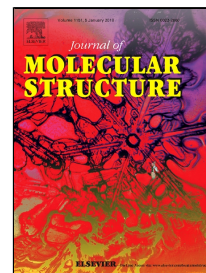


# Accepted Manuscript

As(III) and As(V) adsorption on manganese ferrite nanoparticles

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**Highlights:**

1. Manganese ferrite NPs were synthesized by an adaptation Massart's method.
2. Adsorption of As(III) and As(V) onto manganese ferrite NPs was optimized.
3. Manganese ferrite NPs proved to be efficient for As(III) and As(V) adsorption.
4. Findings revealed chemisorption, fitting the PSO and Freundlich models.
5. In acidic conditions As(III) was higher adsorbed than As(V).

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