

CHẾ TẠO VẬT LIỆU CÁT THẠCH ANH PHỦ NANO OXIT -MNO₂ VÀ -FE₂O₃ ĐỂ HẤP PHỤ ASEN

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TÓM TẮT:

The nanosized γ -MnO₂ and γ -Fe₂O₃ coated sand - were synthesised and used in the arsenic adsorption. The nanosized γ -Fe₂O₃ coated sand -material yielded maximum sorption capacity of 1,71 mg/g for As(III); 1,89 mg/g for As(V) according to the Langmuir isotherm. The nanosized γ -MnO₂ coated sand -material yielded maximum sorption capacity of 1,45 mg/g for As(III); 1,66 mg/g for As(V) according to the Langmuir isotherm.