## عنوان مقاله:

SYNTHESIS AND EVALUATION OF STRUCTURAL AND MAGNETC PROPERTES OF CrA SUBSTITUTED

STRONTUM FERRIE NANOPARTICLES

## محل انتشار:

سومین کنفرانس بین المللی مواد فوق ریزدانه و نانوساختار (سال: 1390)

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#### خلاصه مقاله:

Substituted strontium ferrite Srfe12Cr,Al,019 (xF0–2.5) nanoparticles were synthesized by a solgel method. Fe Mössbauerspectroscopy were used to analyze the structure, static and dynamic magnetic properties of the prepared samples. Mössbauer spectra show that Al-Cr ions preferentially occupy the 12k sites. The chemical composition of products were identified by FTIR. Field emission scanning electron microscopy microgeraphs demonstrated that the particle size of synthesized samples were in the range of 50 to 100 nanometers

# کلمات کلیدی:

ferrite; magnetic properties; nanoparticles

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