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Studies on the formation of $LaCr_{1-X}M_XO_3$ (M = Cu, Ni) from complex precursors

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Abstract This paper deals with the doped lanthanum chromite synthesis from acetate precursors isolated in $Cr_2O_3 \cdot xH_2O$ – $La(NO_3)_3$ – $M(NO_3)_2$ - CH_3COO^- – NH_3 (M=Ni,Cu) systems.
The perovskite structure of $LaCr_{1-x}M_xO_3$ (M=Ni, Cu; x=0-0.2) was confirmed by XRD analysis. Parameters like specific surface area and effective magnetic moments were investigated

Keywords: perovskite, doped lanthanum chromite, complex precursors

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