

عنوان مقاله:

Preparation of Chrom nitride CrN and CrYN in NY Atmosphere. Thermal investigation of Cr Ceramic

محل انتشار:

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نویسنده:

S. A. A. Sajadi - Sharif Energy, Water and Environment Institute (SEWEI), P.O.Box IIIAA-AFM9 Tehran, Iran

خلاصه مقاله:

In this work is presented a new method for the preparation of chrom nitride CrN and CrYN. The thermal behavior of chromium Cr was investigated using two different techniques of thermogravimetry and differential scanning calorimetry under NY gas atmosphere from Ya to 1500cC to produce new Cr ceramic. The identity of products at different stages was confirmed using the XRD technique. Both techniques produced results supporting the stages for the production of different compounds. The received products were investigated by SEM electron microscopy. The form and size of crystals produced were investigated. The distinct energy changes were observed, namely the endothermic changes in DSC. The experiments confirmed the process of \(\mathbb{P} Cr + NY &UYN + CrN. \) In this work was .shown a method for preparation of Chrom nitride particles

کلمات کلیدی:Chromium nitride, TGA

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