

ẢNH HƯỞNG CỦA NHIỆT ĐỘ NUNG TỐI CẤU TRÚC VẬT LIỆU PEROVSKIT CHỨA CROM MANG TRÊN OXIT MAO QUẢN TRUNG BÌNH

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TÓM TẮT:

Abstract: La-Cr perovskites supported on mesoporous material were synthesized by hydrothermal method using the hexadexyl trimethyl ammonium bromide template. The resultant was calcined at different temperatures. Samples was characterized by X – ray diffraction, SEM, TEM and TGA techniques. The results showed that both the perovskite and mesoporous material matrix were formed at a temperature in the range of 500 - 550°C. At a lower temperature (< 500°C), perovskite could not be clearly formed whereas a slightly higher calcination temperature (600°C) may lead to the formation of a mixture of nanoxides.