



Supplementary Materials

Substitutions of Zr⁴⁺/V⁵⁺ for Y³⁺/Mo⁶⁺ in Y₂Mo₃O₁₂ for Less Hygroscopicity and Low Thermal Expansion Properties

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Received: 11 October 2019; Accepted: 24 November 2019; Published: date



Figure 1. XRD patterns of Y_{2-x}Zr_xMo_{3-x}V_xO₁₂, for *x* = 0.2, 0.4 and 0.7.

The results of other stoichiometric ratios are similar to those mentioned in the submission, for comparison, we only provide some results. For example, the result of XRD for x = 0.2 and 0.4 is similar to x = 0.2 and x = 0.7 is similar to x = 0.5