Supporting Information

Facile Synthesis of Anhydrous Alkaline Earth Metal Dodecaborate

MB_{12}H_{12} (M = Mg, Ca) from M(BH_4)_2

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Figure S1. (a) XRD patterns and (b) Raman spectra of MgB$_{12}$H$_{12}$ at room temperature and heated up to respective temperatures.
Figure S2. MS spectra of Mg(BH$_4$)$_2$ (mass numbers 2 represents H$_2$).
Figure S3. (a) XRD patterns and (b) Raman spectra of CaB$_{12}$H$_{12}$ at room temperature and heated up to respective temperatures.