

Supplementary Materials

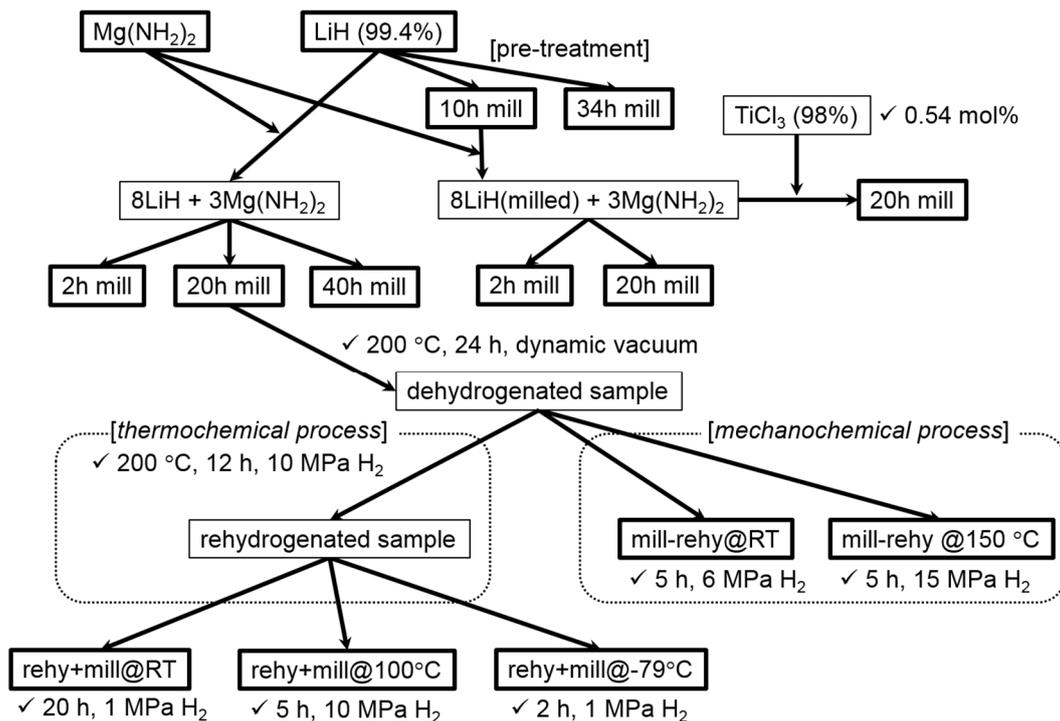


Figure S1. Flowchart for the sample preparation.

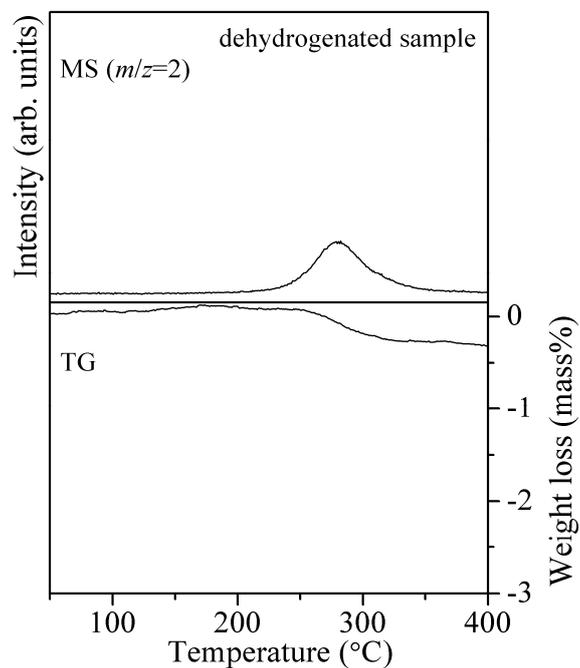


Figure S2. TG-MS profiles of the $8\text{LiH}-3\text{Mg}(\text{NH}_2)_2$ samples after the dehydrogenation at $200\text{ }^\circ\text{C}$ under dynamic vacuum condition for 24 h.