

Electronic Supplementary Information

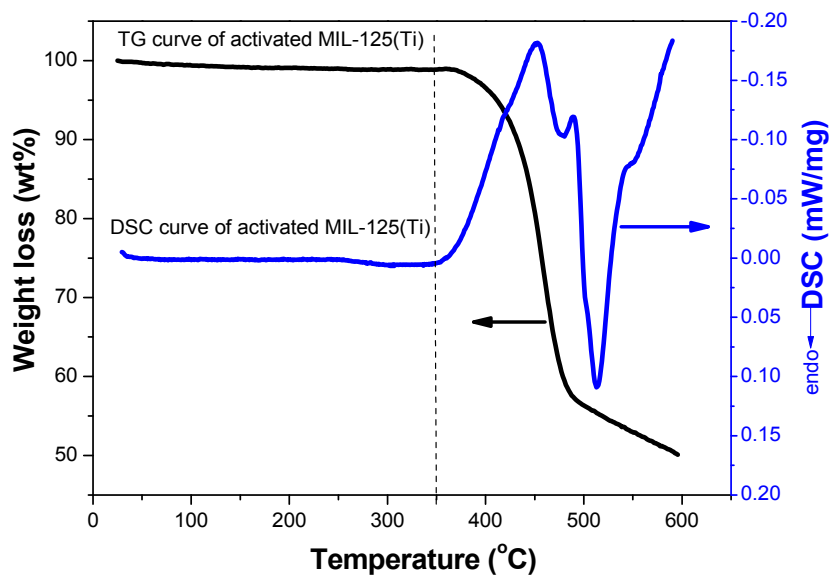


Fig. S1 TG-DSC curves of activated MIL-125(Ti) under Ar

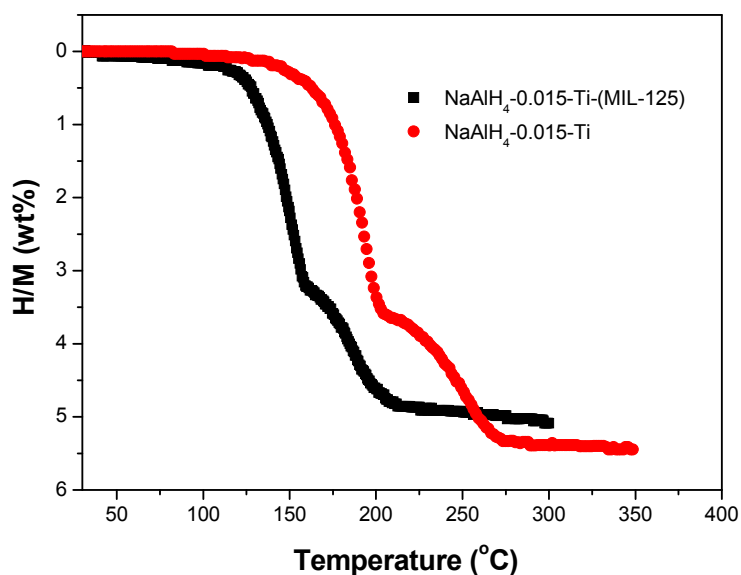


Fig. S2 Dehydrogenation behaviors of the post-milled NaAlH₄-0.015Ti-(MIL-125) and NaAlH₄-0.015Ti-(metallic Ti).

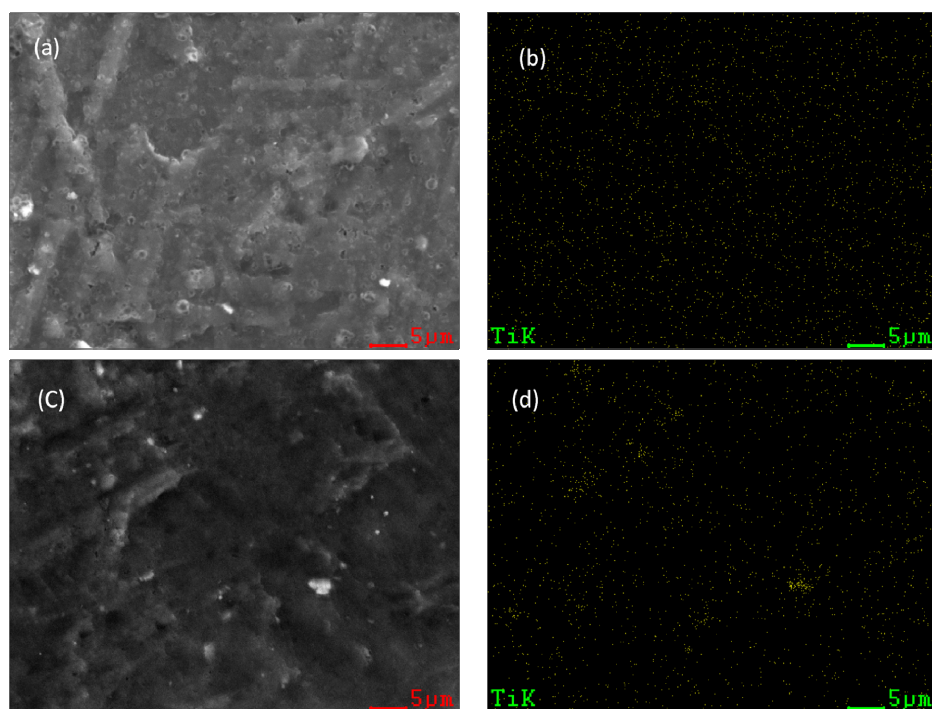


Fig. S3 SEM images (a, c) and the corresponding EDS maps of the elemental Ti (b, d) in the NaAlH₄-0.015Ti-(MIL-125) (a, b) and NaAlH₄-0.015Ti-(metallic Ti) (c, d).

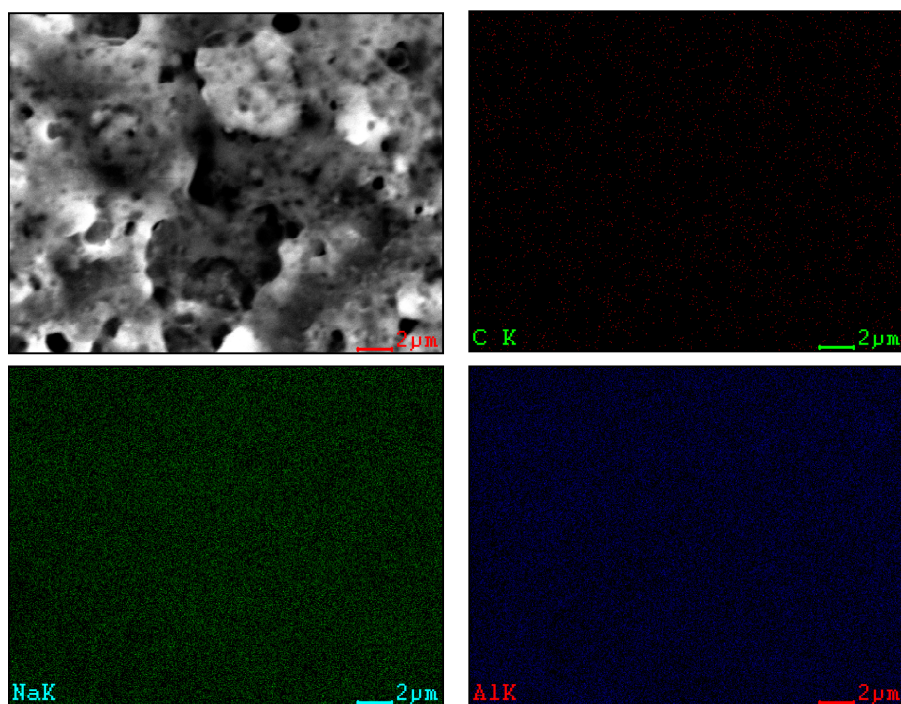


Fig. S4 EDS maps of the elemental Na, Al and C in the hydrogenated sample with MIL-125.