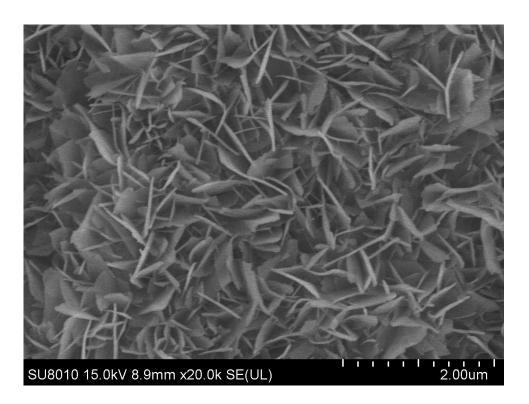
MnCo₂O₄ Film Composed of Nanoplates: Synthesis, Characterization and Its Superior Catalytic Performance in the Hydrolytic Dehydrogenation of Ammonia Borane

Quanbing Liu,^a Shengjie Zhang, ^a Jinyun Liao,^b Xuemiao Huang, ^b Yuying Zheng ^{*a} Hao Li^{*b}

^a School of Chemical Engineering and Light Industry, Guangdong University of Technology, Guangzhou 510006, China. E-mail: yyz74@gdut.edu.cn (Y. Zheng)

^b School of chemistry and Materials Engineering, Huizhou University, Huizhou 516007, China. E-mail: lihao180@126.com (H. Li).Fax: +86-752-2527229 Tel: +86-752-2527229.



Electronic Supporting Information

Figure S1 SEM image of the other side of MnCo₂O₄ film.

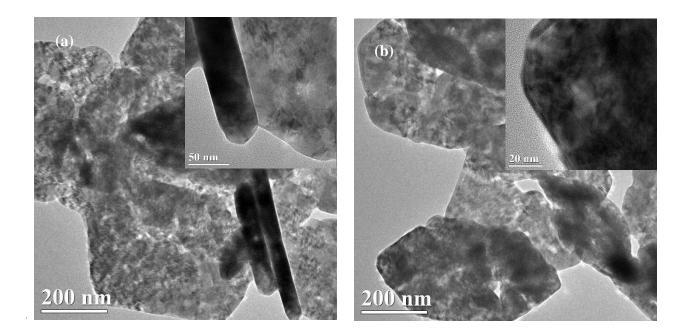


Figure S2 TEM images of $MnCo_2O_4$ nanoplates on the surface of film before (a) and after (b) the catalytic reaction.

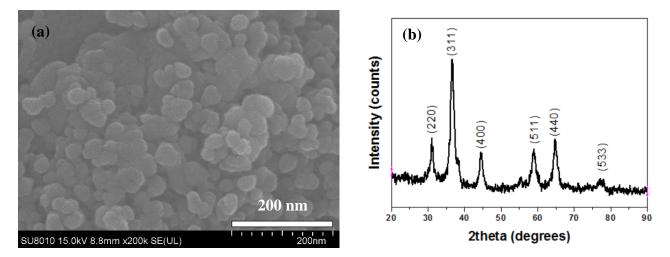


Figure S3 SEM image (a) and the XRD pattern (b) of the MnCo₂O₄ nanoparticles used as a reference.

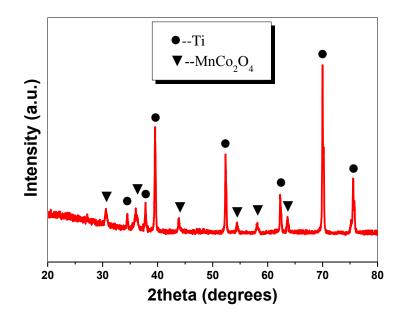


Figure S4 XRD pattern (b) of the MnCo₂O₄ film after catalytic reaction.