Supplementary Information

Improving photocatalytic activity of benzyl alcohol oxidation by Z-scheme SnS/g-C_3N_4

Yan Li,[a] Chengsi Pan,[a] Guangli Wang,[a] Yan Leng,[a] Pingping Jiang,[a] Yuming Dong,[a,*]

Yongfa Zhu [b]

[a] International Joint Research Center for Photoresponsive Molecules and Materials, School of Chemical and Material Engineering, Jiangnan University, Wuxi 214122, China.

[b] Department of Chemistry, Tsinghua University, Beijing 100084, China.

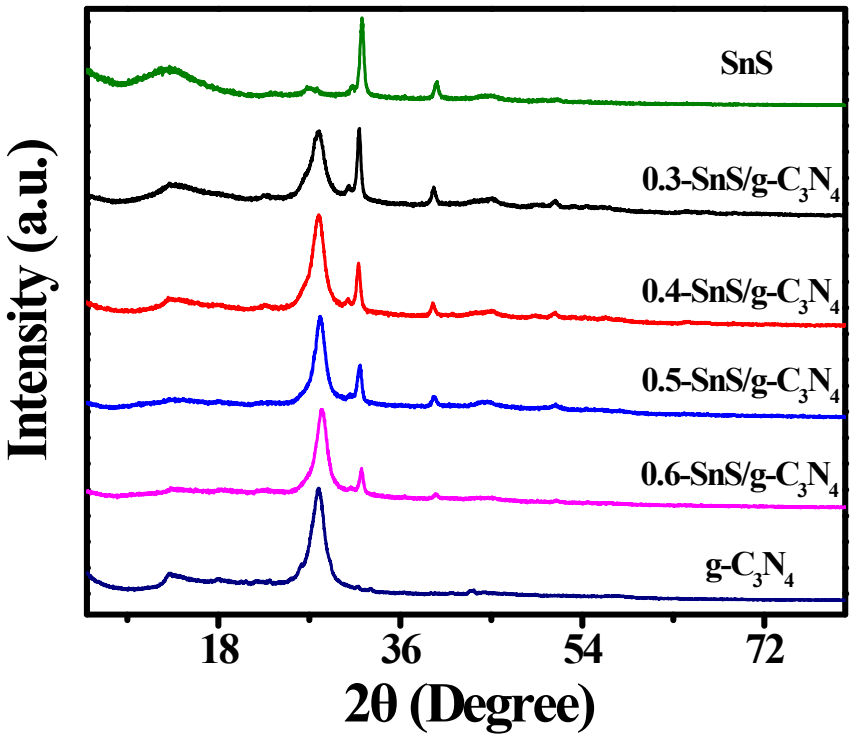

Figure S1. XRD patterns of SnS, g-C_3N_4 and SnS/g-C_3N_4 photocatalyst in different proportions

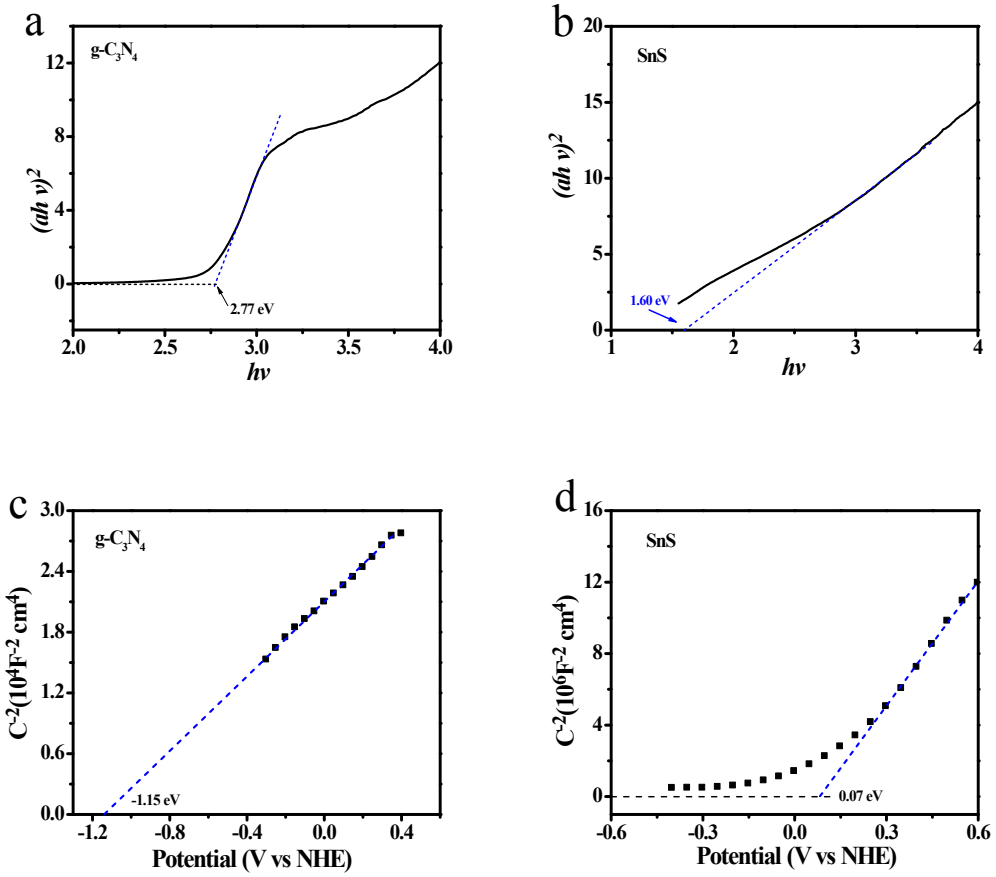

Figure S2. Tauc plots of (a) g- C_3N_4 and (b) SnS, Mott-Schottky curves of (c) g-C_3N_4 and (d) SnS