Electronic Supplementary Information

Facile construction of magnetic α-Fe_2O_3/SiO_2 composite aerogels for enhanced adsorption and visible light photocatalytic activity

Kaiwen Wu[a], Jichao Shi[a*1], Daqing Wang[a], Honghao Ni[a], Runping Jia[a], Yufeng Liu[a], Lin Lin[b], Dandan Wu[a], Shufang Chang[a], Yaqi Wang[a] and Qin Xin[a]

[a] School of Materials Science and Engineering, Shanghai Institute of Technology, Shanghai 200235, P.R. China.

[b]School of Chemistry and Chemical Engineering, Shanghai Institute of Technology, Shanghai 200235, P.R. China.

*Corresponding authors

Jichao Shi, Email: jcshi@sit.edu.cn

[1] Fax: +86 21 60873117, Tel: +86 21 60873117

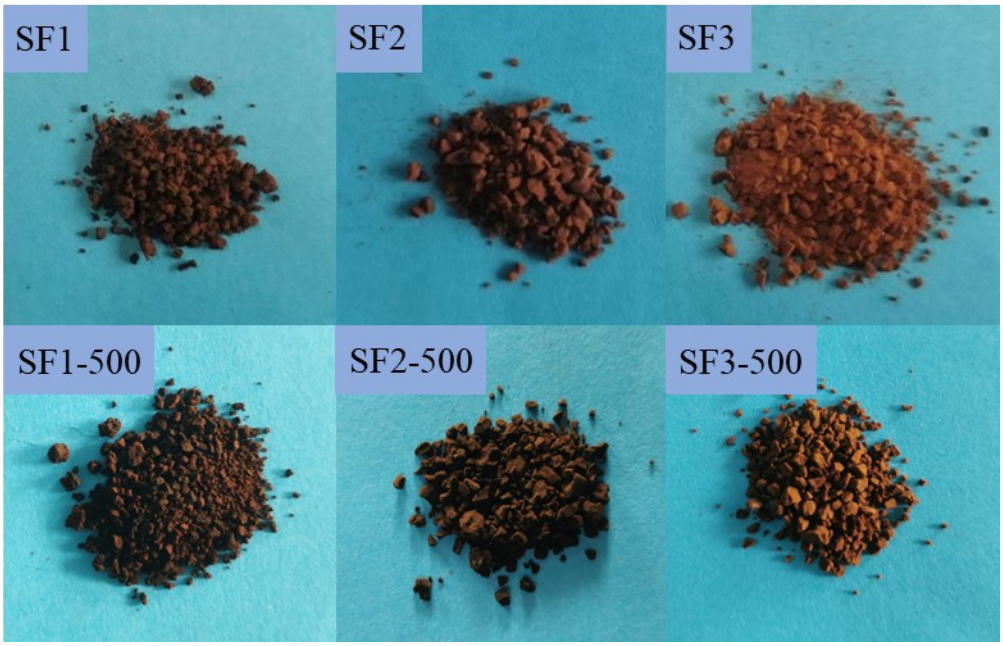

Fig. S1. The photos of the synthesized Fe_2O_3/SiO_2 composite aerogel samples (SF1, SF2 and SF3) and their counterparts calcined at 500 ℃ (SF1-500, SF2-500 and SF3-500). Fe_2O_3/SiO_2 composite aerogel attracted by magnet (a) and (b).

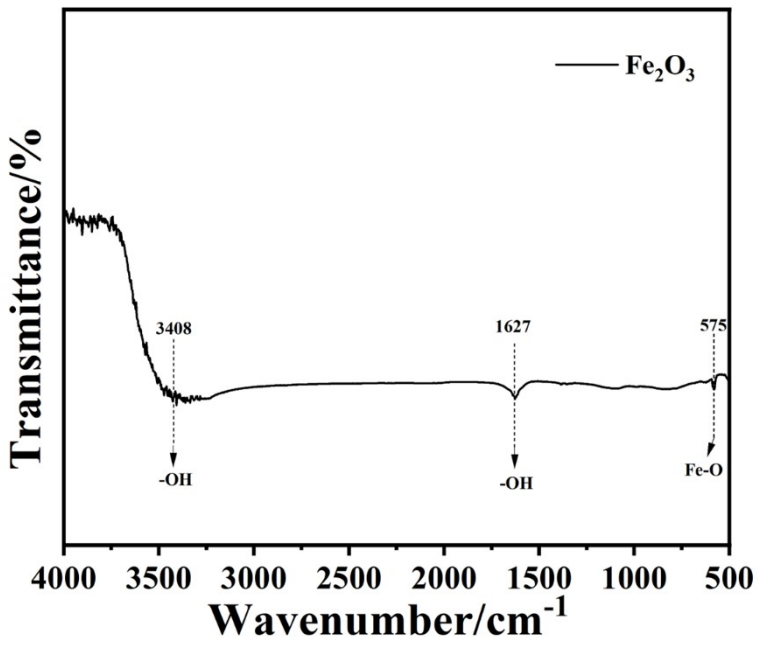

Fig. S2. FTIR spectra of the sample Fe_2O_3.

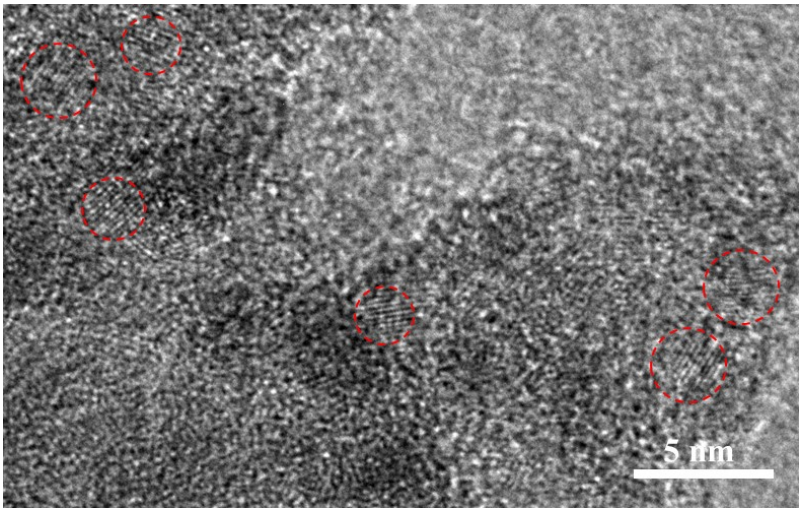

Fig. S3. TEM image of the SF1-500.