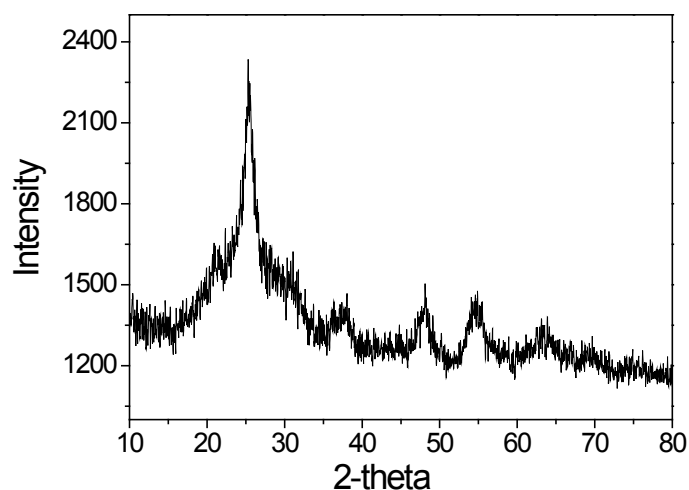


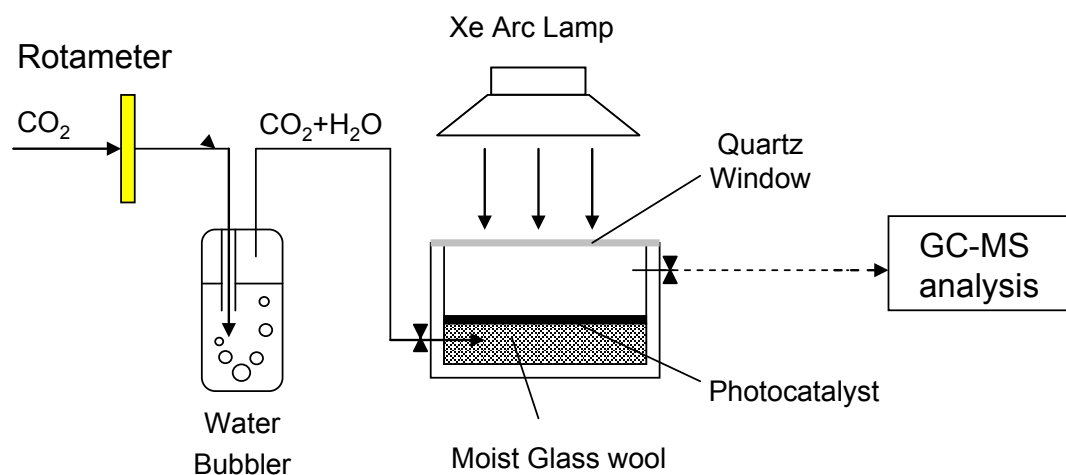
## Supplementary Information

### **Hierarchically mesostructured TiO<sub>2</sub>/graphitic carbon composite as a new efficient photocatalyst for the reduction of CO<sub>2</sub> under simulated solar irradiation**

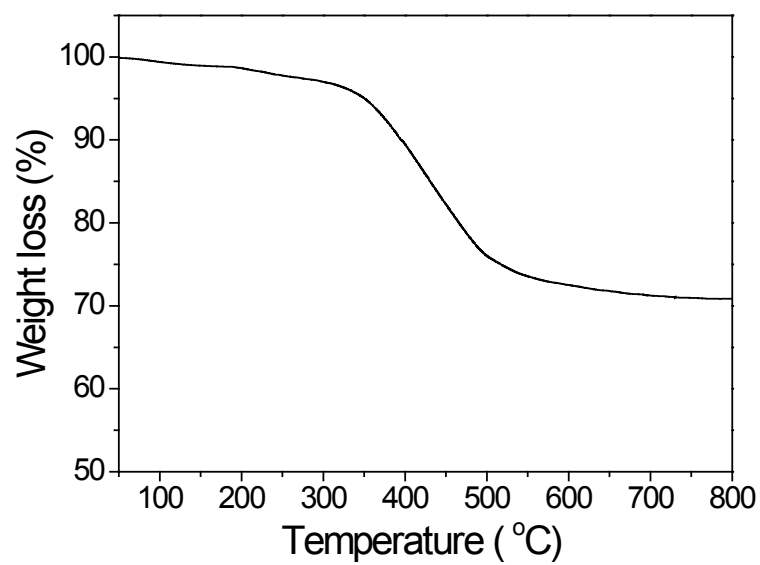
**Yangang Wang,<sup>\*a</sup> Yuting Chen,<sup>a</sup> Yuanhui Zuo,<sup>a</sup> Fei Wang,<sup>a</sup> Ji Yao,<sup>a</sup> Bo Li,<sup>b</sup> Shifei Kang,<sup>b</sup> Xi Li<sup>b</sup> and Lifeng Cui<sup>\*a</sup>**



**Figure S1.** XRD pattern of the TiO<sub>2</sub>/SiO<sub>2</sub> composite



**Figure S2.** Schematic of experimental setup for the photocatalytic reduction of CO<sub>2</sub> with H<sub>2</sub>O.



**Figure S3.** TG curve of the hierarchically mesostructured TiO<sub>2</sub>/GC.