

Supplementary Information

Controllable synthesis of CeO₂/g-C₃N₄ composites and their applications in environment

Xiaojie She, Hui Xu,* Hefei Wang, Jiexiang Xia, Yanhua Song, Jia Yan, Yuanguo Xu, Qi Zhang, Daolin Du, and Huaming Li*

School of the Environment, Institute for Energy Research, Jiangsu University, Zhenjiang 212013, P. R. China

**Corresponding author: Tel.: +86-511-88791800; Fax: +86-511-88791708;*

E-mail address: qzhang@ujs.edu.cn, lihm@ujs.edu.cn

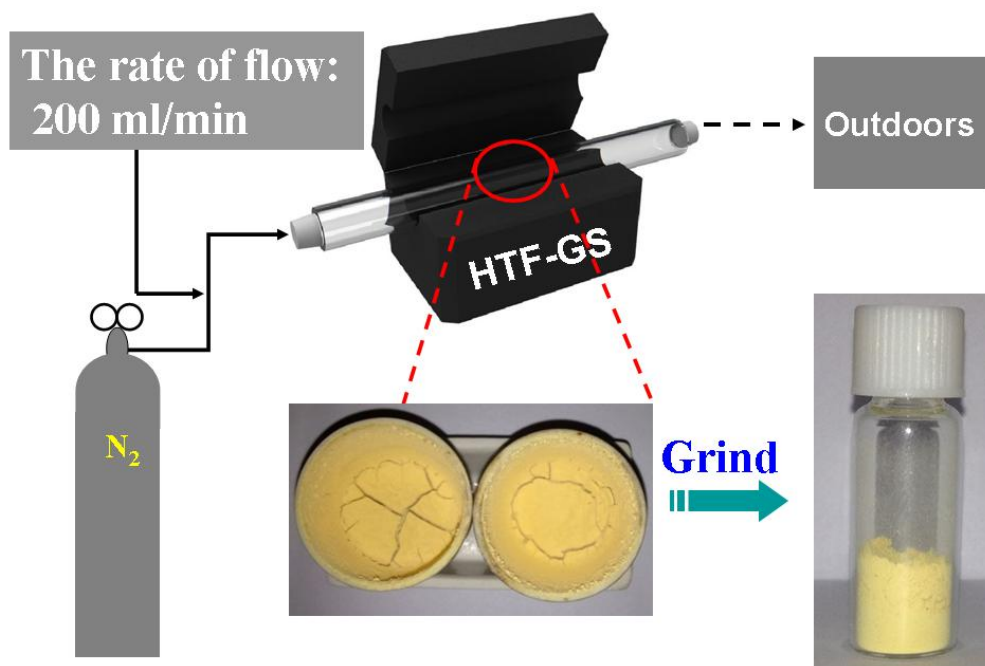


Figure S1. Schematic illustration of the preparation of the g-C₃N₄.

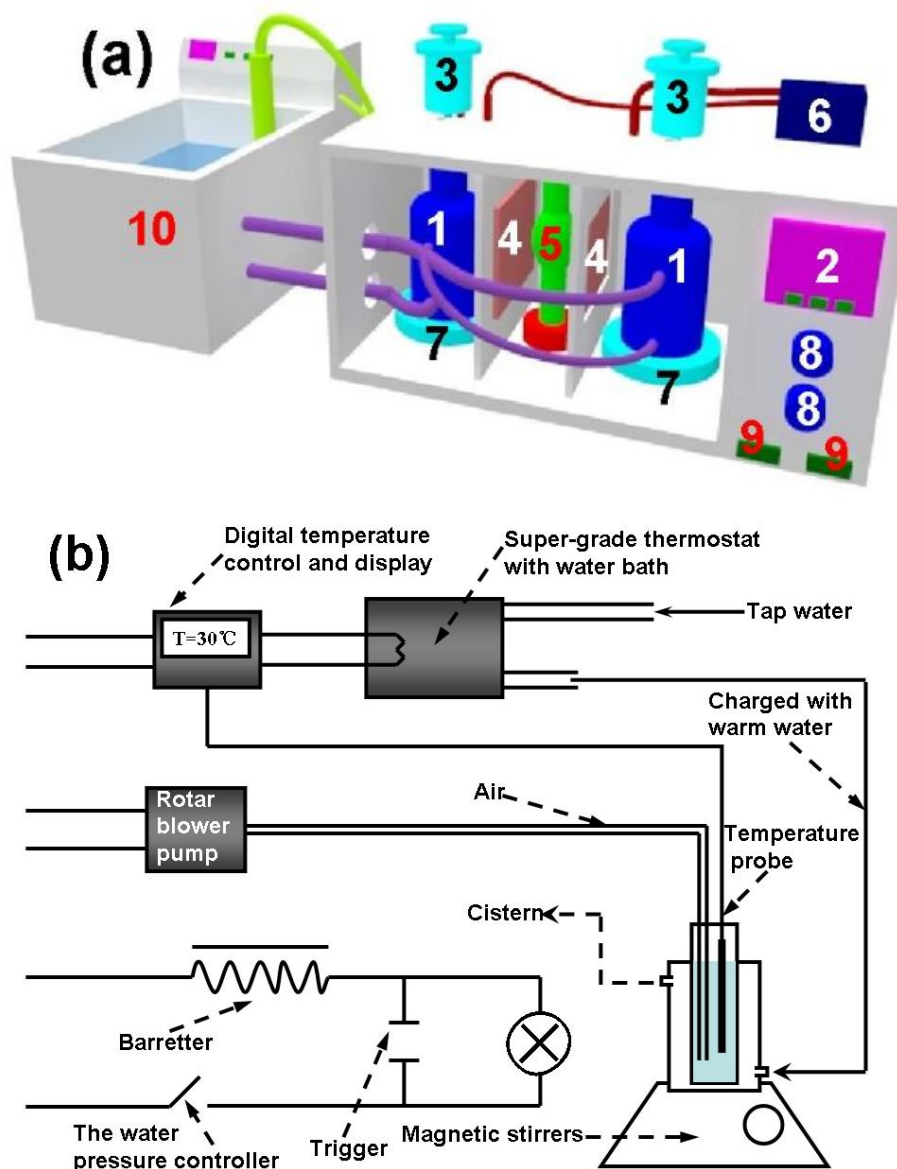


Figure S2. (a) The model of photocatalytic apparatus: (1) Pyrex photocatalytic reactor, (2) the numerical control display, (3) absorption amount of the needle, (4) 400 nm cutoff filter, (5) 300W Xe lamp, (6) rotar blower pump, (7) magnetic stirrers, (8) the speed controller, (9) the switches of the power source and lamp source, (10) thermostatic water-circulator bath. (b) The schematic illustration of photocatalytic experimental setup.

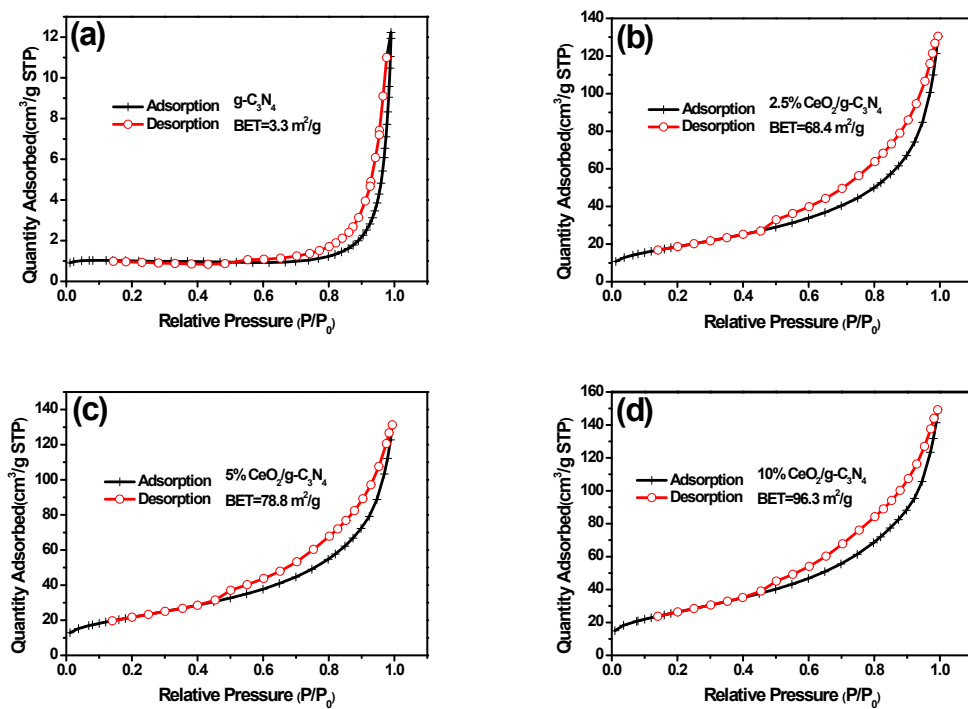


Figure S3. Nitrogen absorption-desorption isotherms of (a) $g\text{-C}_3\text{N}_4$, (b) $2.5\% \text{ CeO}_2/g\text{-C}_3\text{N}_4$, (c) $5\% \text{ CeO}_2/g\text{-C}_3\text{N}_4$ and (d) $10\% \text{ CeO}_2/g\text{-C}_3\text{N}_4$.