Supporting Information

Noninjection Ultralarge-Scaled Synthesis of Shape-Tunable CdS Nanocrystals as Photocatalysts

Wenjin Zhang, Hua Zhang* and Xinhua Zhong

Shanghai Key Laboratory of Functional Materials Chemistry, Institute of Applied Chemistry, East China University of Science and Technology, Shanghai 200237, China.

E-mail: zhanghjy@ecust.edu.cn; Fax: +86 21 6425 0281; Tel: +86 21 6425 0281

Fig. S1 TEM images of CdS NCs with spheres (A), branches (B) and flowers (C) after the reaction was scaled up.
Fig. S2 TEM images of CdS NCs obtained under different amounts of OA: 3.0 mL (A), 5.0 mL (B), 10.0 mL (C), and 20.0 mL (D).

Fig. S3 Temporal evolution of the absorption spectra of RhB aqueous solution without the presence of CdS NCs under UV light irradiation.
**Fig. S4** Temporal evolution of the absorption spectra of RhB in the presence of CdS NCs with different shapes of (A) Tetrahedrons (B) Branches (C) Flowers (D) Spheres.