Enhanced chemiluminescence of the luminol-hydrogen peroxide system by BSA-stabilized Au nanoclusters as peroxidase mimic and its application

Mao Deng, Funan Chen* and Shuangjiao Xu

The Key Laboratory of Luminescence and Real-time Analysis, Ministry of Education;

School of Chemistry and Chemical Engineering, Southwest University, Chongqing,

China 400715

Contact information for Corresponding Author

Associate Professor Fu-nan Chen, School of Chemistry and Chemical Engineering,

Southwest University, Chongqing, 400715, P.R. China

Fax: 86-23-68258363. Tel: +86-13752919874

E-mail: chenfn@swu.edu.cn



Figure S1. UV-vis absorption spectra of BSA-protected gold nanoparticles.



Figure S2. UV-vis absorption spectra of BSA-protected gold nanoclusters.



Figure S3. Emission intensity of gold nanoclusters at 470 nm excitation.