

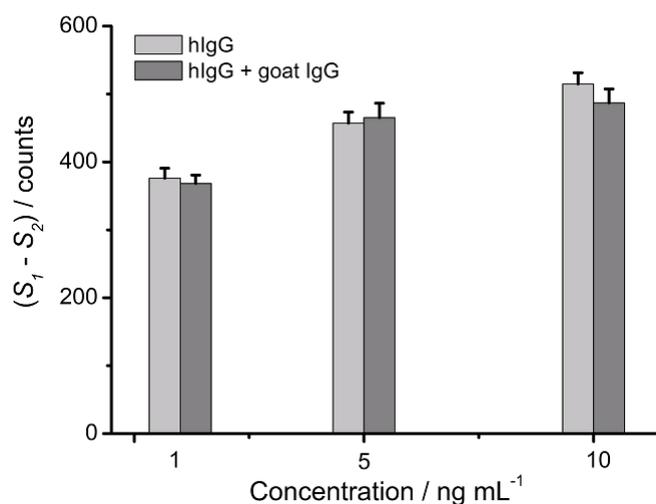
### Cathodic Electrochemiluminescence at $C/C_xO_{1-x}$ Electrodes for the Fabrication of Label-Free Biosensors

Ai-Hong Wu <sup>a</sup>, Jian-Jun Sun\* <sup>a</sup>, Xiu-Li Su <sup>a</sup>, You-Wen Lin <sup>a,b</sup>, Zhi-Bin Lin <sup>a</sup>,  
Huang-Hao Yang <sup>a</sup>, Guo-Nan Chen <sup>a</sup>

Corresponding author: [JJSun@fzu.edu.cn](mailto:JJSun@fzu.edu.cn)

<sup>a</sup> Key Laboratory of Analysis and Detection for Food Safety (Ministry of Education), and Fujian Provincial Key Laboratory of Analysis and Detection for Food Safety, Department of Chemistry, Fuzhou University, Fuzhou 350108, China.

<sup>b</sup> Department of Pharmaceutical Analysis, Faculty of Pharmacy, Fujian Medical University, Fuzhou 350004, China.



**Fig. S1** ECL response of the sensor to human IgG (1, 5 and 10 ng mL<sup>-1</sup>) and the mixed solution of goat IgG and human IgG (1, 5 and 10 ng mL<sup>-1</sup>).