Supporting Materials

Electrogenerated chemiluminescence of Ru(bpy)₃²⁺ at black phosphorus quantum dots modified electrode and its sensing application

Lei Zhang^a, KaiJin Tian^a, YongPing Dong^{a,*}, HouCheng Ding^a, ChengMing Wang^{b,*}

a. School of Chemistry and Chemical Engineering, Hexian Development Institute of Chemical Industry, Anhui University of Technology, Maanshan, China, 243002

 b. Hefei National Laboratory for Physical Science at the Microscale, University of Science and Technology of China, Hefei, China, 230026



Figure S1. ECL emission of the modified electrode under continuous cyclic voltammetry for 15 cycles.



Figure S2. ECL profiles of $Ru(bpy)_3^{2+}$ with CdSe QDs, TPA, and BPQDs as coreactants.

Table S1. Results of analysis of DA in real samples.

Samples	Detected	Added	Found	Recovery(%)	RSD(%)(n=5)
Diluted	30 nM	10nM	40.5nM	105	3.2
Sample 1					
Diluted	10nM	10nM	19.8nM	98	4.5
Sample 2					