

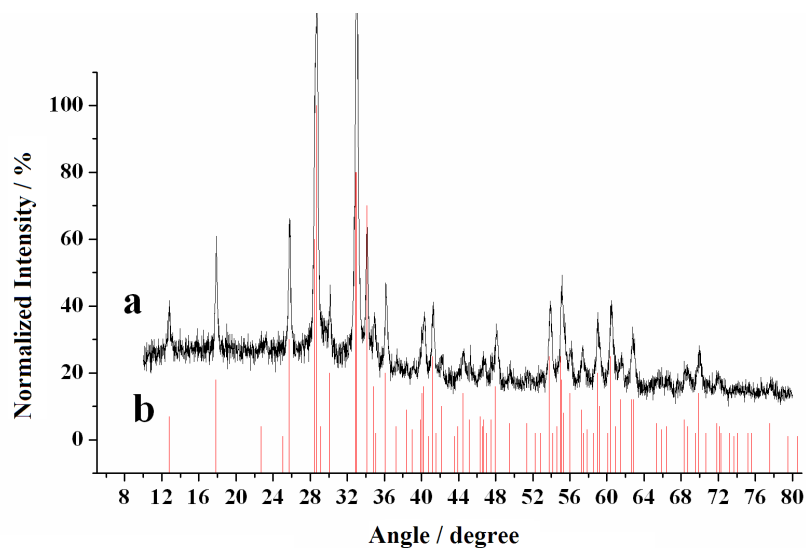
## Supporting Information for

# Electrogenerated Chemiluminescence Emissions from Cadmium Germanate Nanoparticles

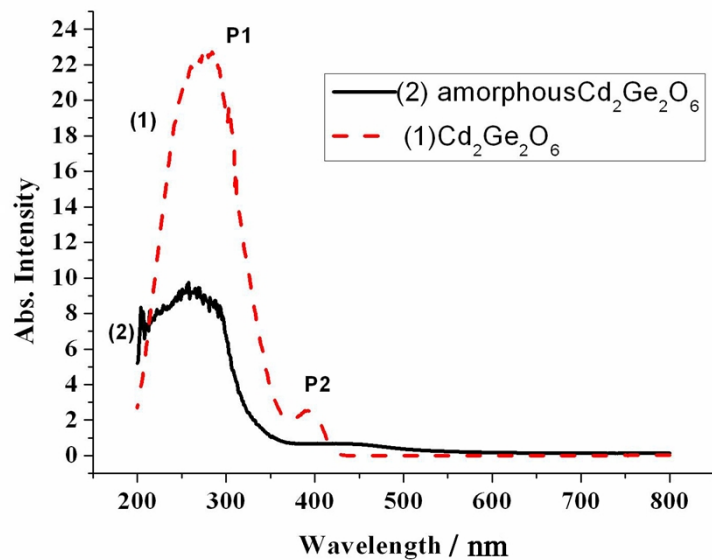
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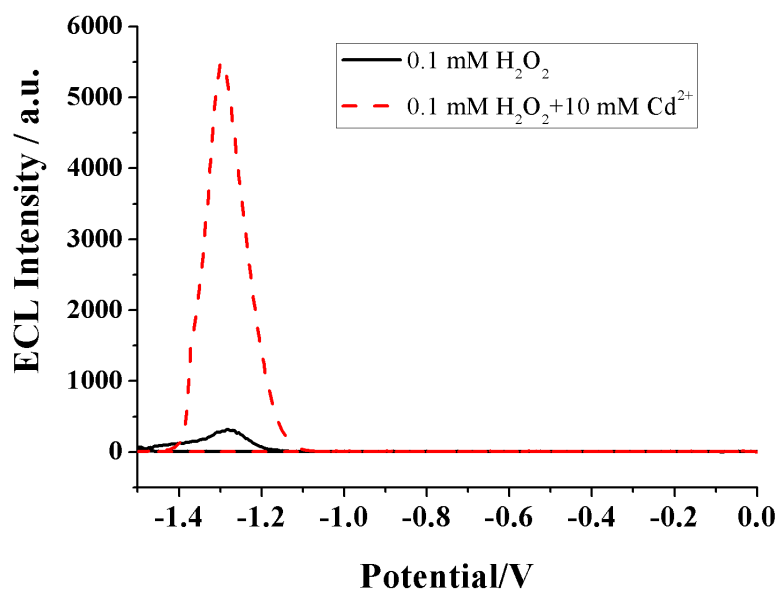
### ESI Figures



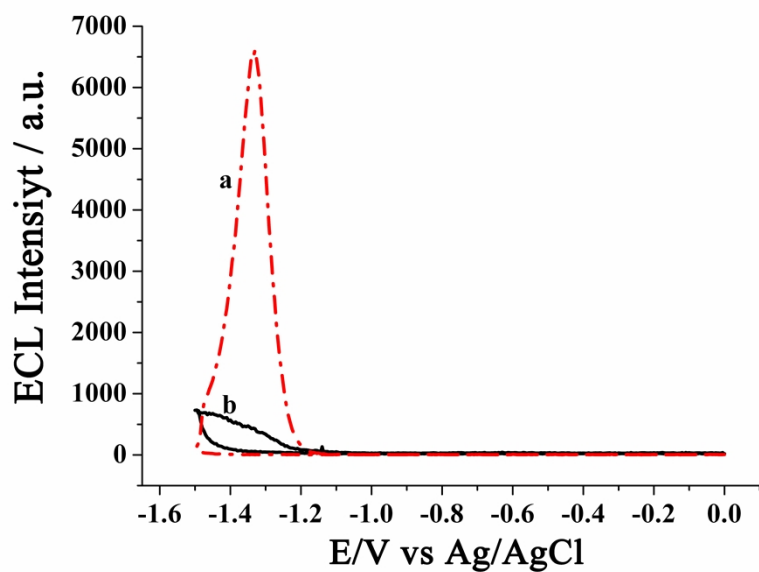
**ESI Figure 1.** (a) XRD pattern of the Cd<sub>2</sub>Ge<sub>2</sub>O<sub>6</sub> samples prepared at 140 °C. (b) The standard XRD pattern of Cd<sub>2</sub>Ge<sub>2</sub>O<sub>6</sub>.



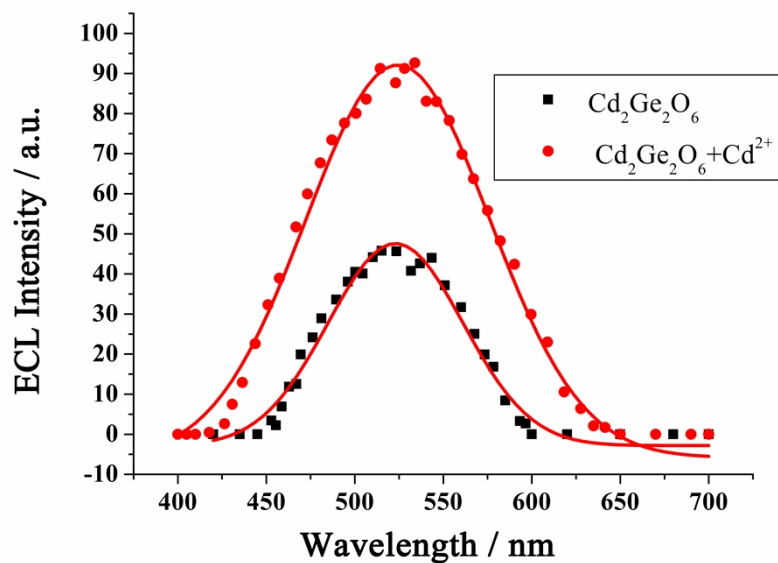
ESI Figure 2. UV-vis absorption of Cd<sub>2</sub>Ge<sub>2</sub>O<sub>6</sub> synthesized at (1) at 140 °C (crystalline) and (2) 90 °C (amorphous).



ESI Figure 3. ECL graph of Cd<sub>2</sub>Ge<sub>2</sub>O<sub>6</sub> immersed in different solution: (1) 0.1 mM H<sub>2</sub>O<sub>2</sub> solution. (2) 0.1 mM H<sub>2</sub>O<sub>2</sub>+ 0.1 M CdCl<sub>2</sub> solution. The scanning rate is 20 mV/s.



ESI Figure 4. ECL graph of  $\text{Cd}_2\text{Ge}_2\text{O}_6$  immersed in different solution: (1) 0.1 M  $\text{NaClO}_4$  solution. (2) 0.1 M  $\text{NaClO}_4$  + 10 mM  $\text{PO}_4^{3-}$  solution. The scanning rate is 20 mV/s.



ESI Figure 5. ECL spectrum of  $\text{Cd}_2\text{Ge}_2\text{O}_6$  before and after immersed in 0.1M  $\text{CdCl}_2$  solution.