

## Supplementary Materials

### CuMg Alloy Catalyst for Electrochemical Dopamine Detection

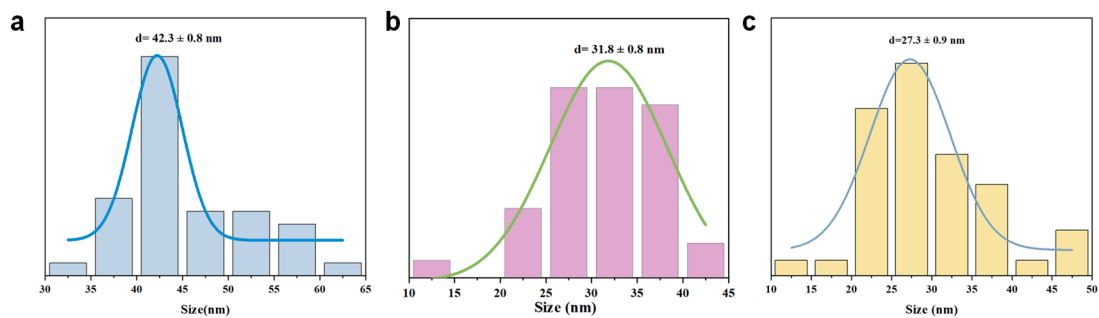


Figure S1. The particle size distribution graphs of  $\text{Cu}_1\text{Mg}_0$  (a),  $\text{Cu}_1\text{Mg}_1$  (b), and  $\text{Cu}_0\text{Mg}_1$  (c).

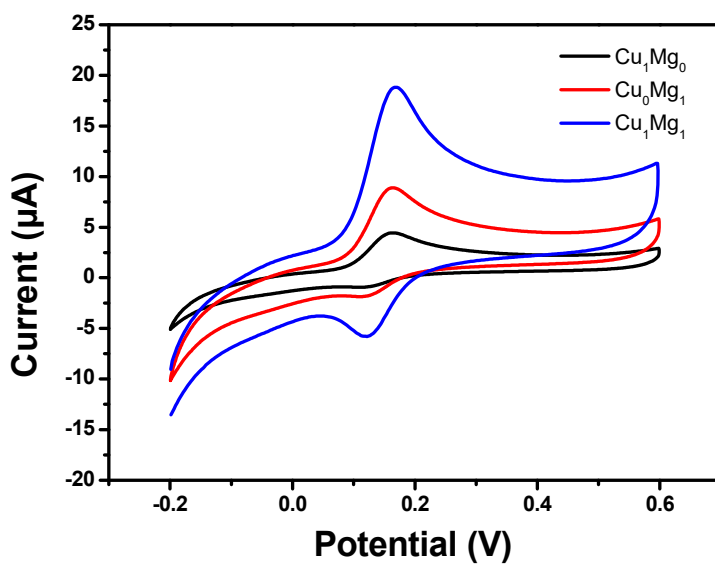


Figure S2. CV curves of  $\text{Cu}_x\text{Mg}_y$  catalysts in  $[\text{Fe}(\text{CN})_6]^{3-/4-}$  solution.