

Supplemental Files

Cu(II)-Assisted Self-Assembly of Dicyandiamide-Derived Carbon Dots: Construction Inspired from Chemical Evolution and Its H₂O₂ Sensing Application

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Table S1. Summary of CVs analysis for the prepared-catalysts.

Fig. S1 (A) XPS survey peaks and **(B)** deconvoluted spectra of C 1s of DCD-CDs/Cu-200 and DCD-CDs/Cu-300.

Fig. S2 Plots of peak current vs. scan rate.

Fig. S3 Optimal mass loading of DCD-CDs/Cu-300 on surface of GCE.

Fig. S4 Amperometric response of the DCD-CDs/Cu-300/GCE at different pH and temperatures.

Table S1. Summary of CVs analysis for the prepared-catalysts

Electrode	E_{pa} (V)	E_{pc} (V)	E_{onset} (V)	E_c (V)	I_c (mA)
DCD-CDs/Cu-60	-0.18	-	-0.27	-0.71	-0.084
	0.096				
DCD-CDs/Cu-100	-0.20	-	0.17	-0.69	-0.091
	0.126				
DCD-CDs/Cu-200	-	-	-0.15	-0.70	-0.090
DCD-CDs/Cu-300	-0.124	-0.34	-0.02	-0.50	-0.11
	-0.03				
DCD-CDs/Cu-400	-0.09	-0.174	-0.32	-0.80	-0.085
		-0.38			
		-0.593			
Pure CuO	-0.09	-0.129	-0.47	-0.80	-0.088
		-0.402			
		-0.617			

Fig. S1

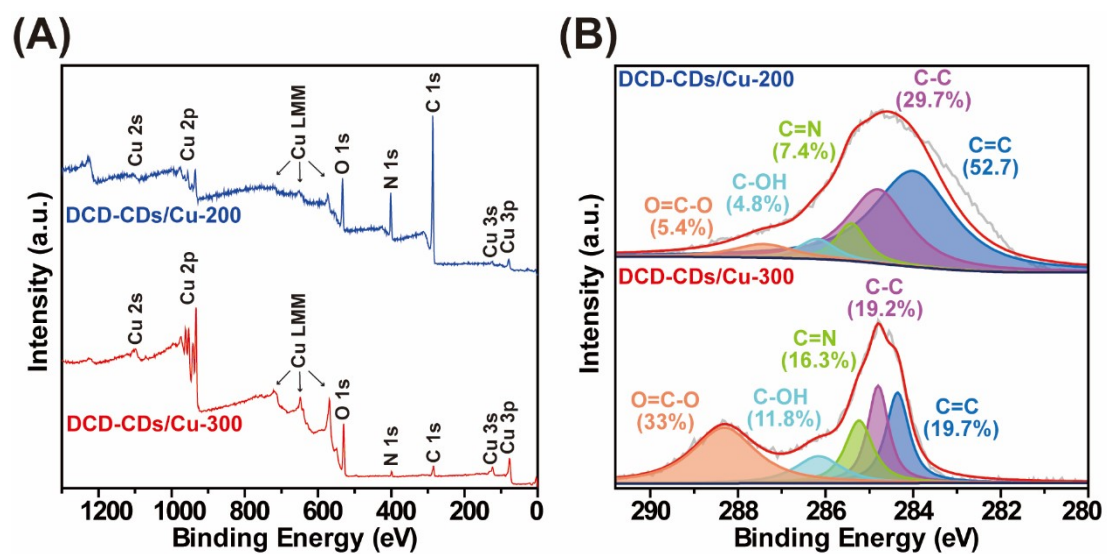


Fig. S2

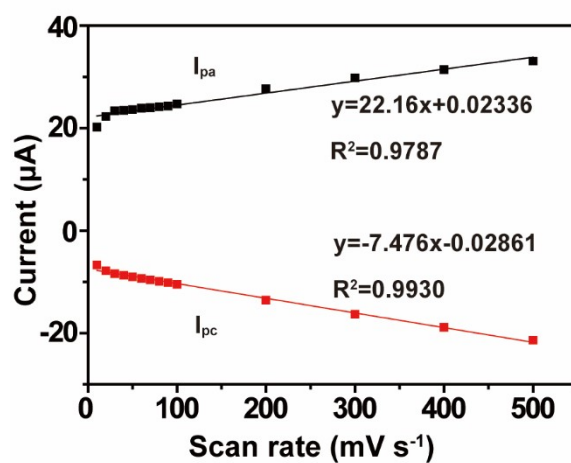


Fig. S3

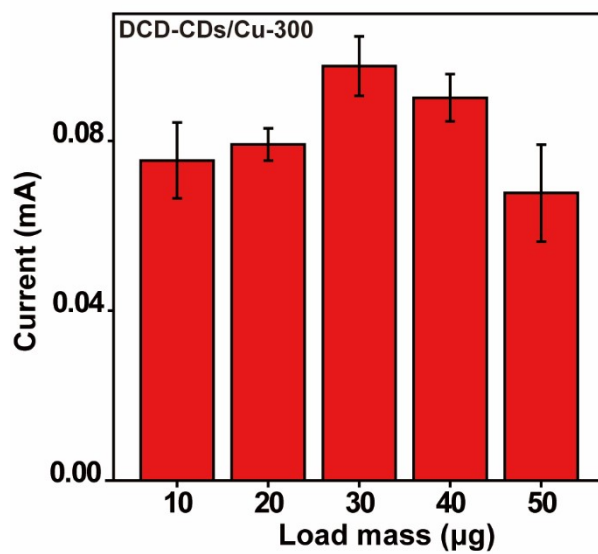


Fig. S4

