

**Supporting Information**

**Green Synthesis of Corn Stalk-Derived Carbon Dots for  
Enhanced Wound Healing**

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Keywords: carbon dots, ROS scavenging, wound repair.

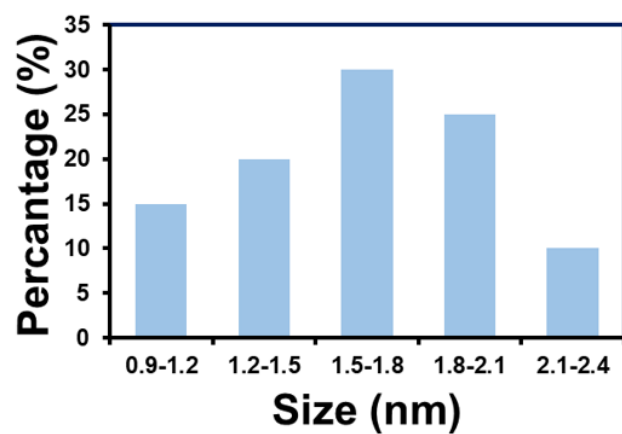


Figure S1. Average size distribution of CDs.

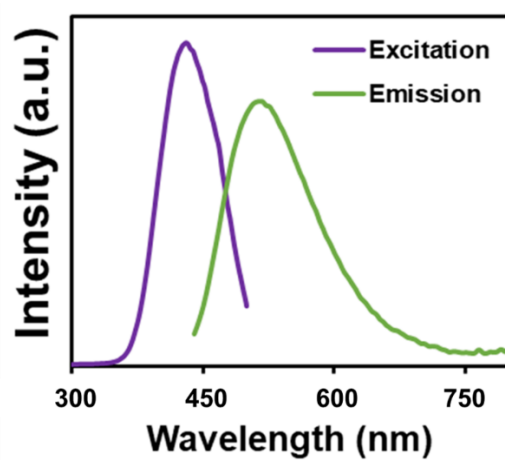
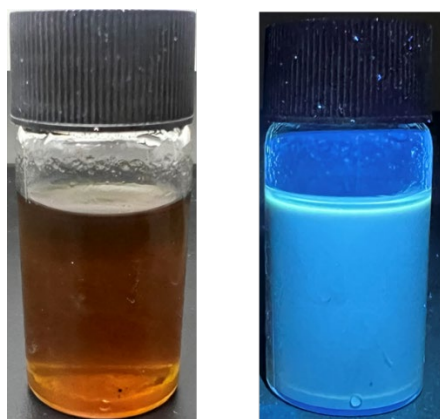
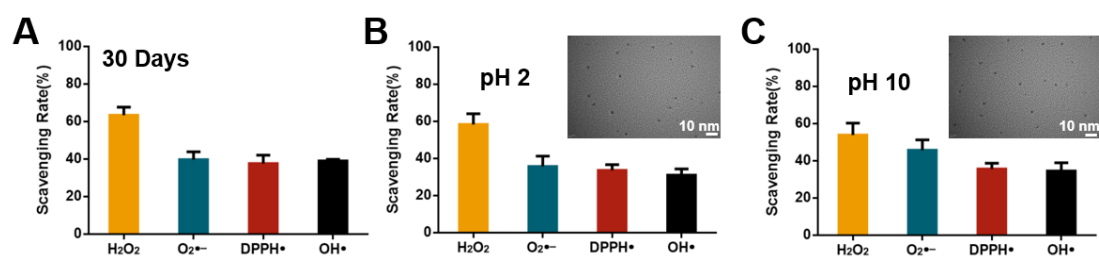


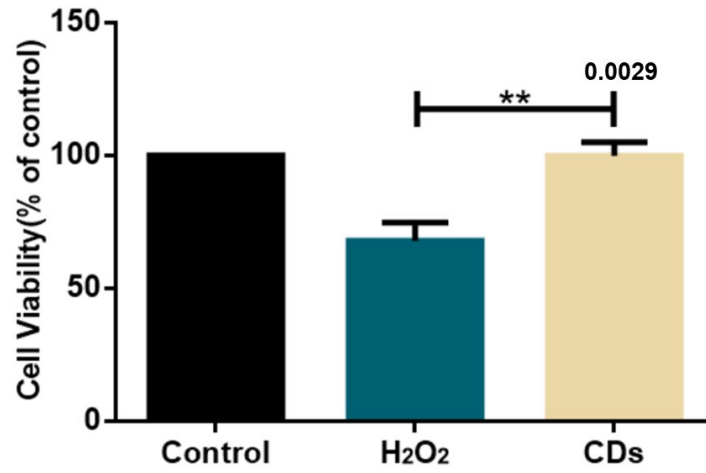
Figure S2. Excitation and emission spectra of CDs.



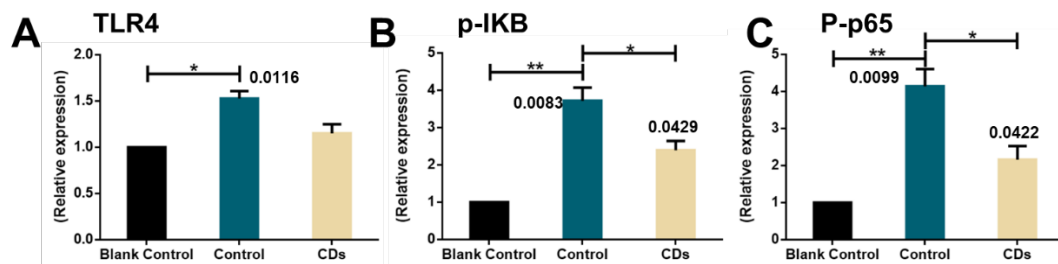
**Figure S3.** Images and fluorescence images of CDs.



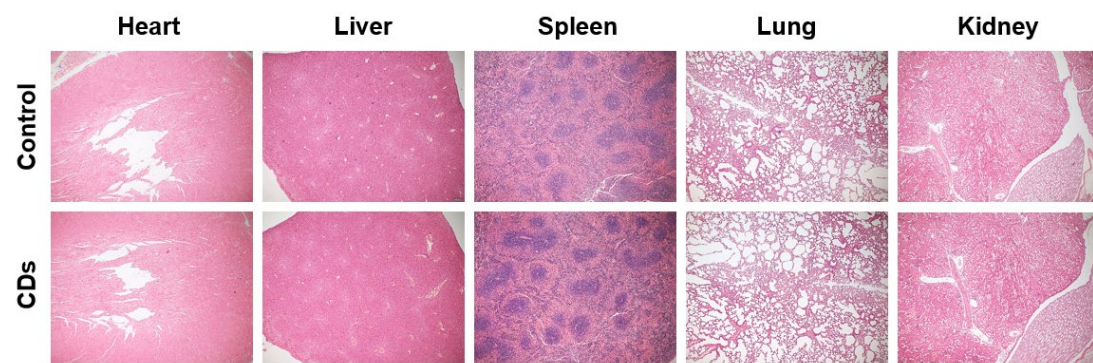
**Figure S4.** (A) ROS scavenging ability after 30 days at room temperature. (B) and (C) ROS scavenging activity and TEM images after treatment under different pH conditions. (n = 4)



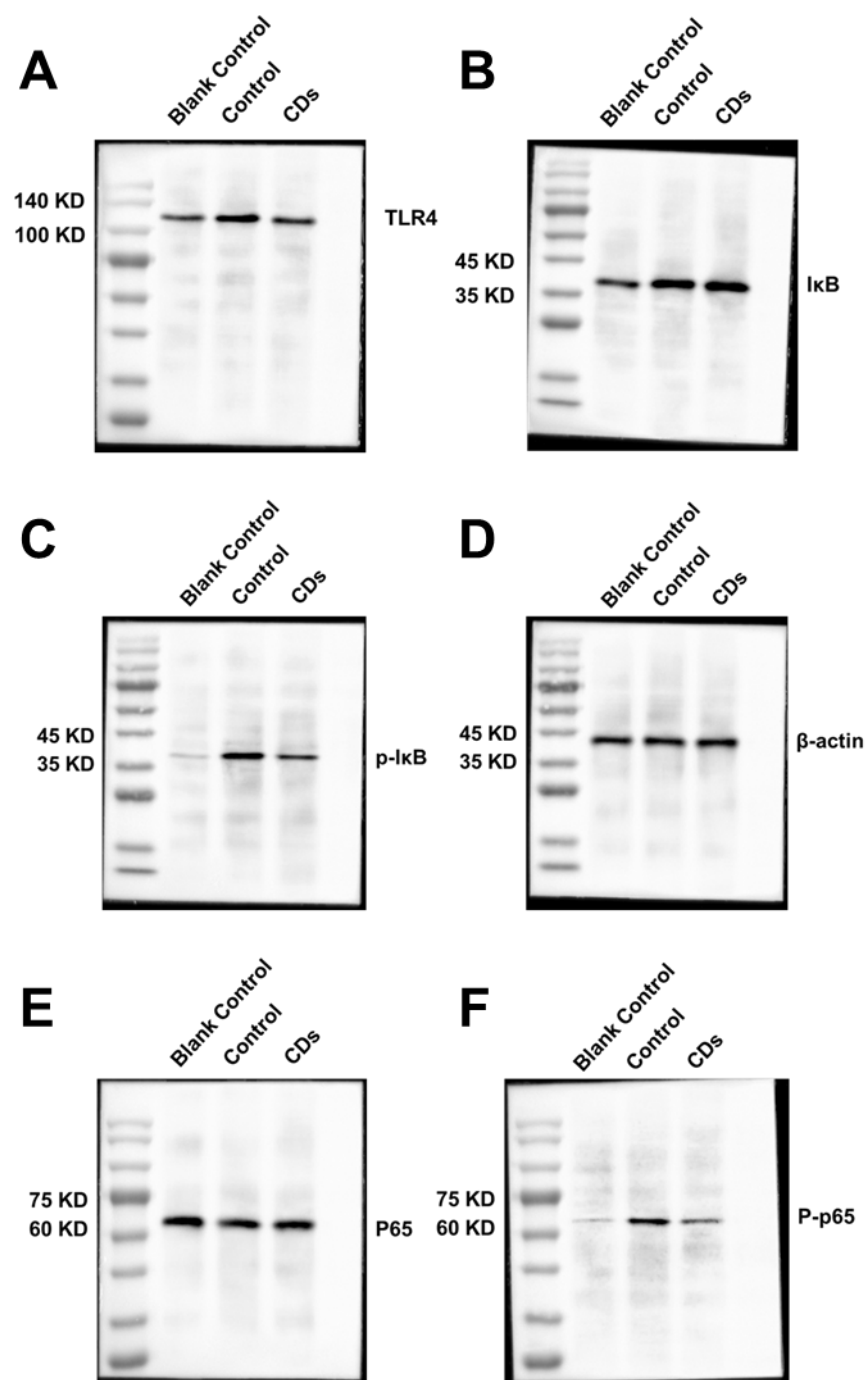
**Figure S5.** Proliferative activity of H<sub>2</sub>O<sub>2</sub>-injured NIH/3T3 after treatment with PBS and CDs (40 mg ml<sup>-1</sup>). \*\*p < 0.01.



**Figure S6.** Quantitative analysis of TLR4, p-IKB, and p-P65 protein expression (n = 3, \*p < 0.05, \*\*p < 0.01, \*\*\*p < 0.001).



**Figure S7.** H&E slice images of heart, liver, spleen, lung and kidney after recovery from CDs treatment (n = 3).



**Figure S8.** Raw western bot data for Figure 5D.