

Supporting information

Antibacterial Activity and Synergetic Mechanism of Carbon Dots Against Gram-positive and negative Bacterial

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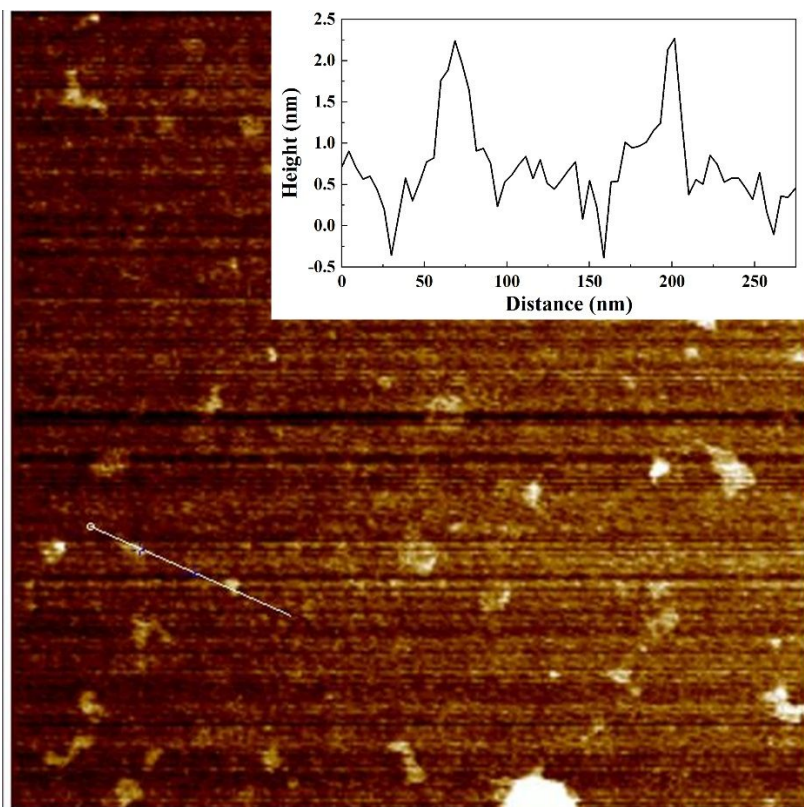


Figure S1 AFM images of the F-CDs and the height distribution.

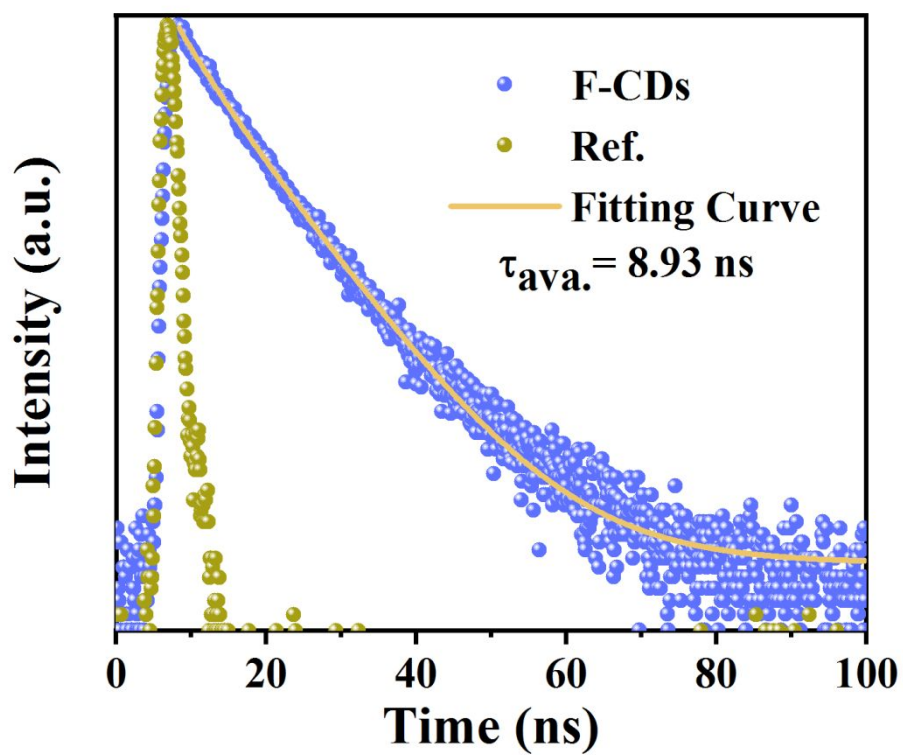


Figure S2 Fluorescence lifetimes of F-CDs.

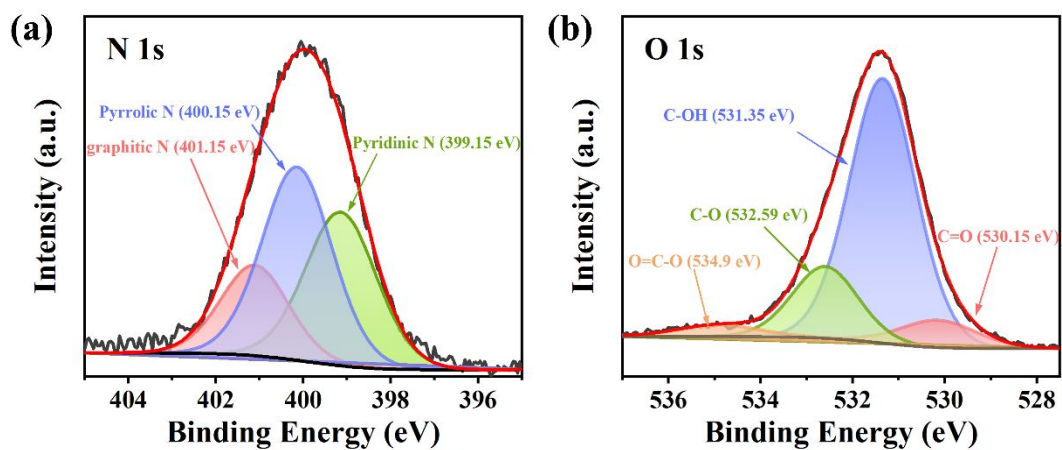


Figure S3 (a) and (b) High resolution spectra of N 1s, and O 1s.

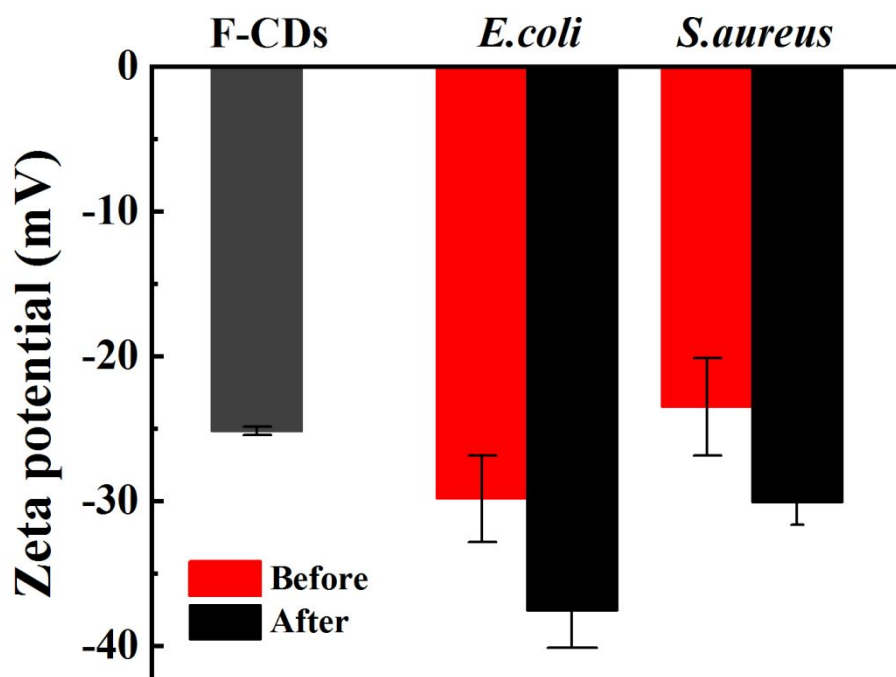


Figure S4 Zeta potential of F-CDs, *E. coli* and *S. aureus* before and after treating with F-CDs.

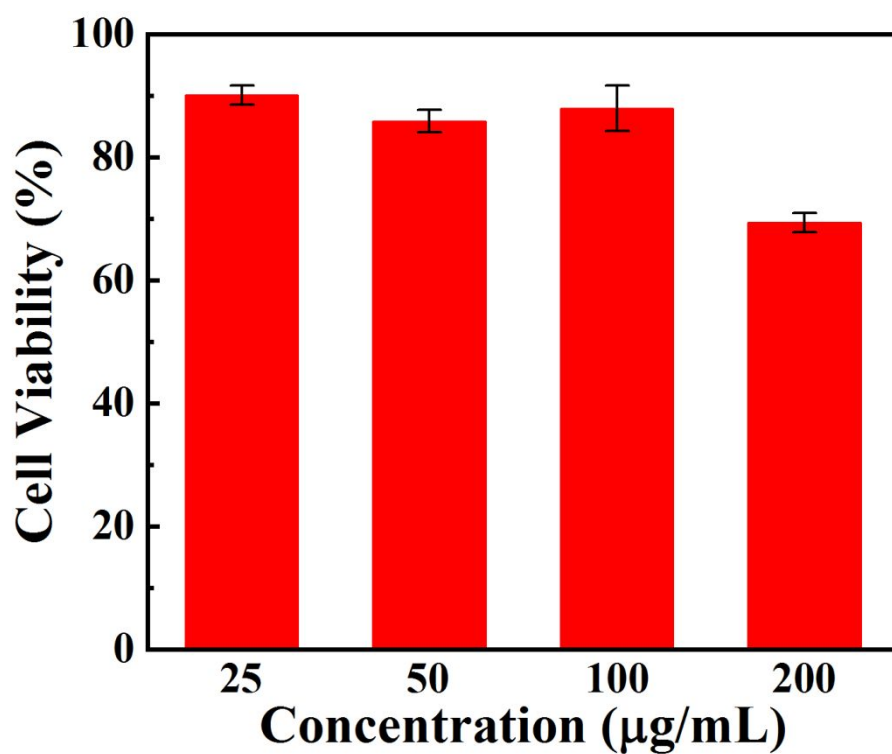


Figure S5 Cytotoxicity of F-CDs for Human epithelial kidney cells, 293T.

	Bacterial strains	MIC (µg/mL)
Gram-negative	<i>E. coli</i>	64
	<i>P. aeruginosa</i>	128
Gram-positive	<i>S. aureus</i>	64
	<i>B. subtilis</i>	128

Table S1 MIC of *E. coli*, *P. aeruginosa*, *S. aureus*, and *B. subtilis*.