

### **Supporting Information**

## **Surface Engineering of Gadolinium Oxide Nanoseeds With Nitrogen-Doped Carbon Quantum Dots: An Efficient Nanocomposite for Precise Detection of Antibiotic Drug Clioquinol**

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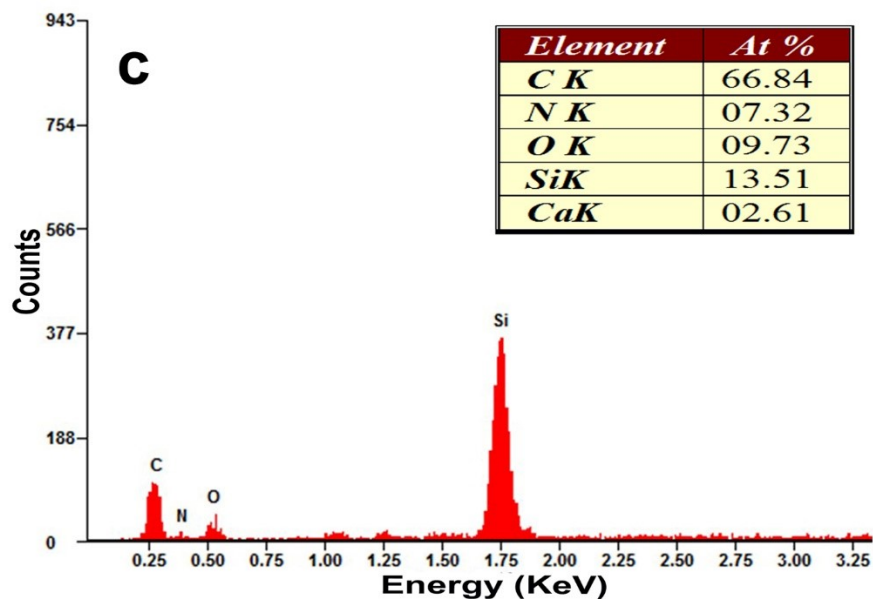


Fig. S1. EDX result of N-CQD.

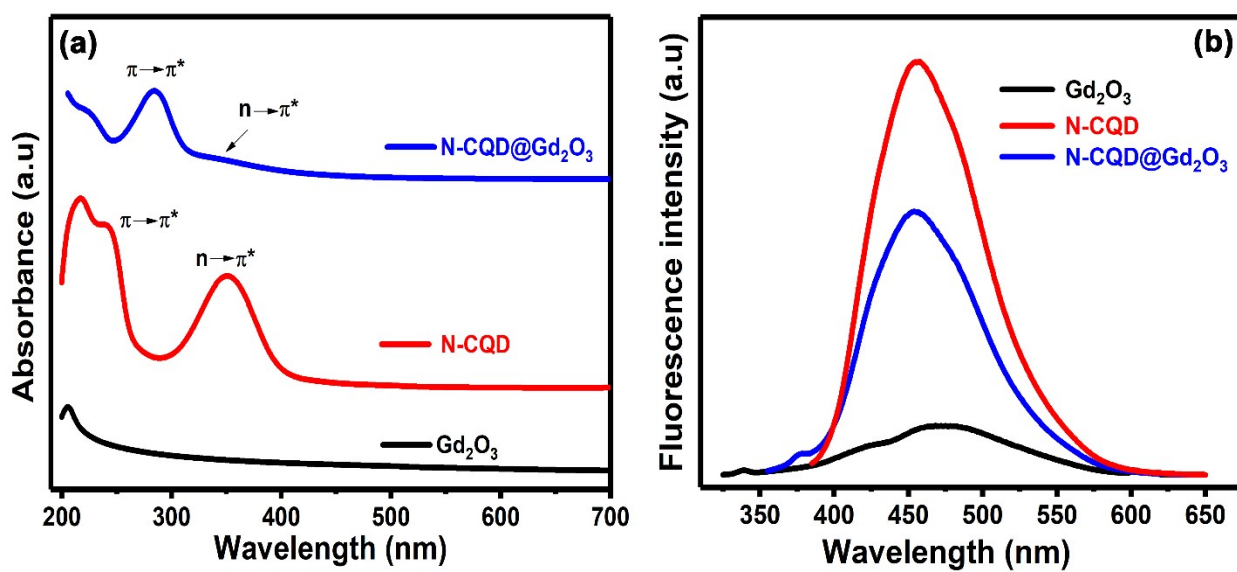


Fig. S2. (a) UV-Vis, and (b) fluorescence spectra of N-CQDs,  $Gd_2O_3$  nanorod, N-CQD@ $Gd_2O_3$  nanoseeds.

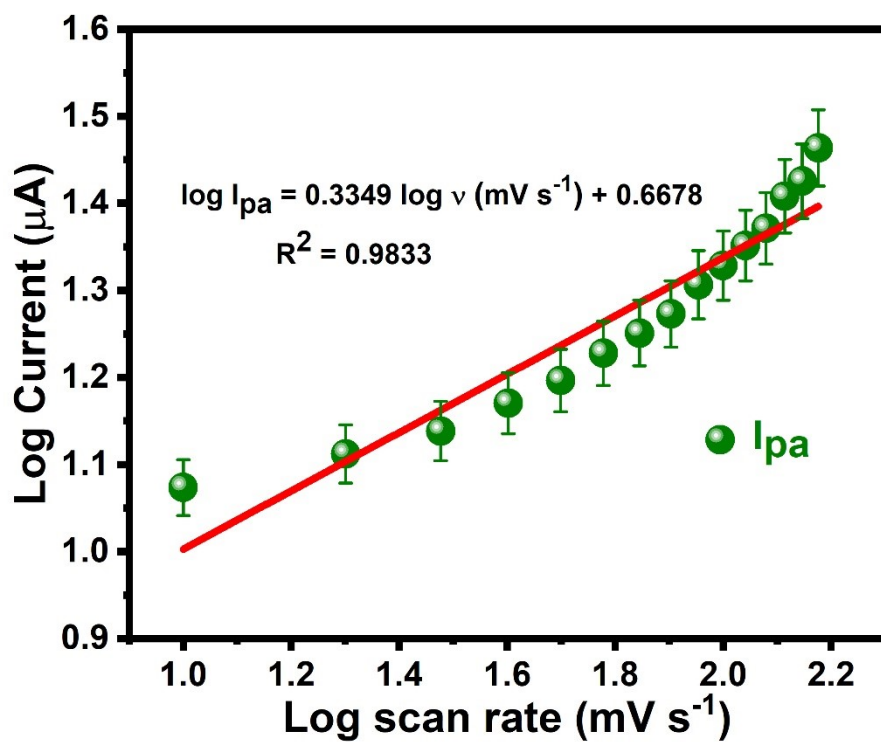


Fig. S3. Plot of log scan rate vs. log current.