# Nitrogen-doped carbon dots encapsulated a polyoxomolybdate-based coordination polymer as a sensitive platform for trace tetracycline determination in water

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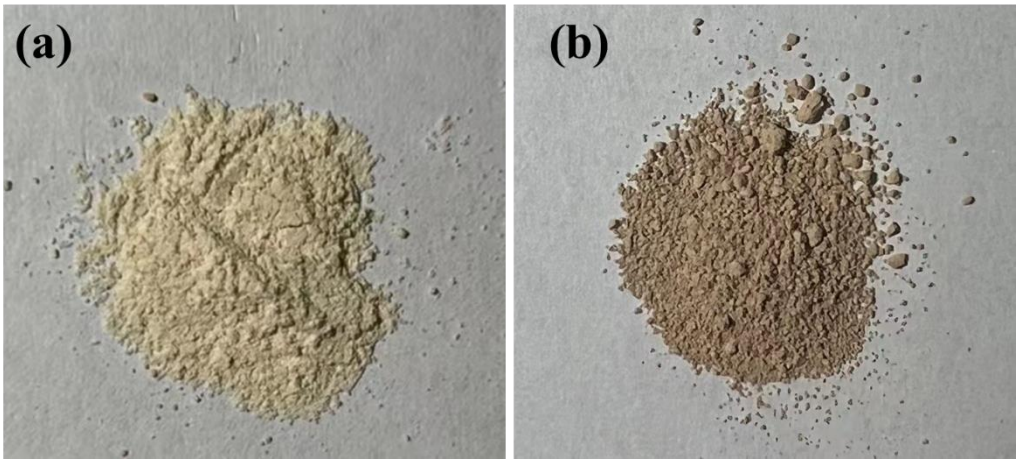


Figure S1. Photographs of (a) $(4\text{-Hap})_4(Mo_8O_{26})$, (b) NCDs@$(4\text{-Hap})_4(Mo_8O_{26})$ under natural light.

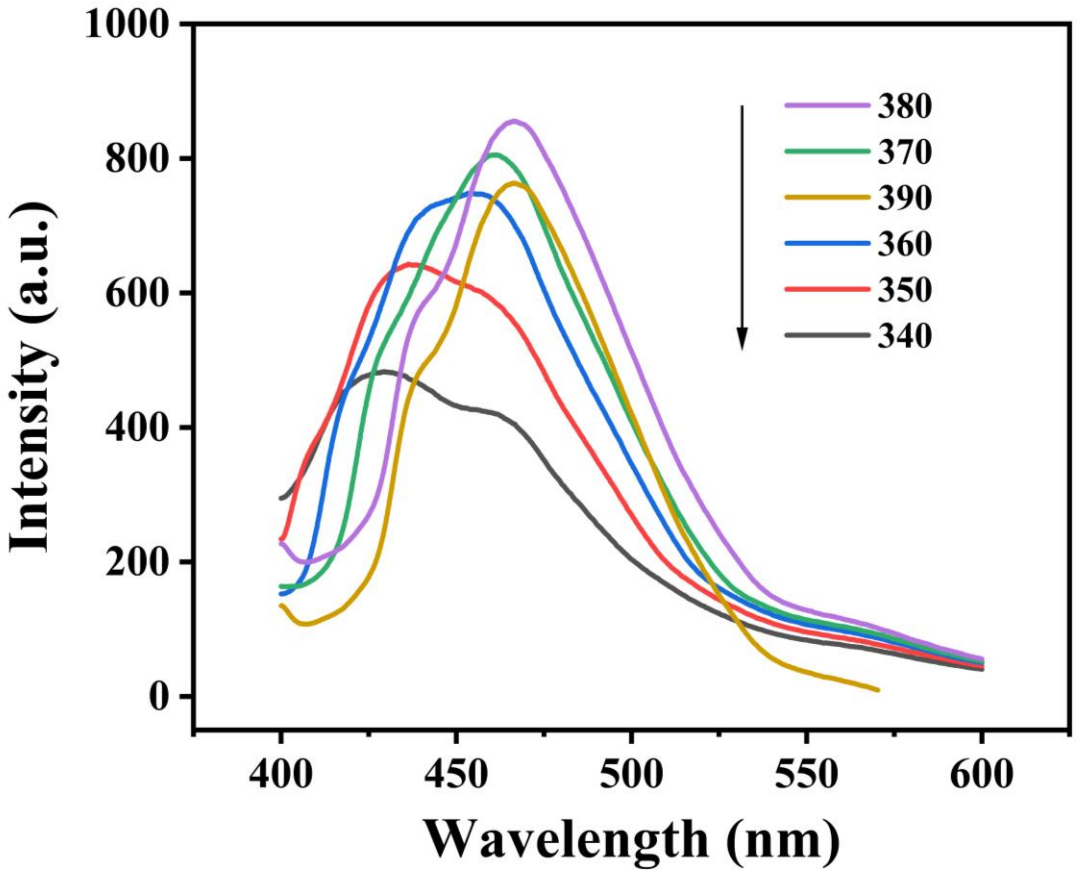


**Figure S2**. Emission spectra for NCDs@(4-Hap)$_4$($Mo_8O_{26}$) in water at different wavelengths.

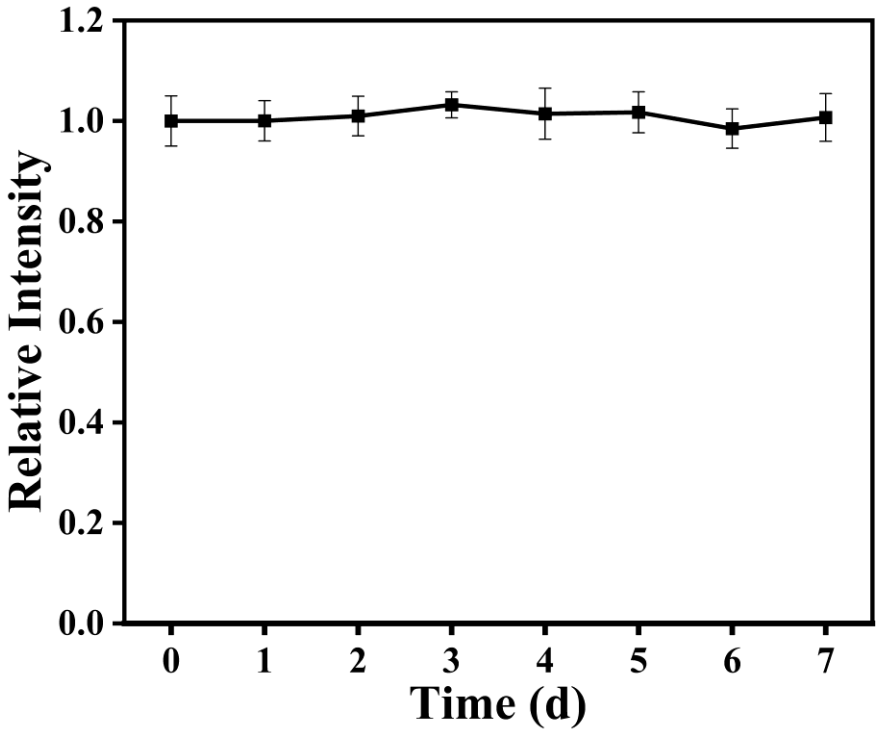


**Figure S3**. Relative fluorescence intensity of NCDs@(4-Hap)$_4$($Mo_8O_{26}$) with the excitation at 380 nm in 7 days.

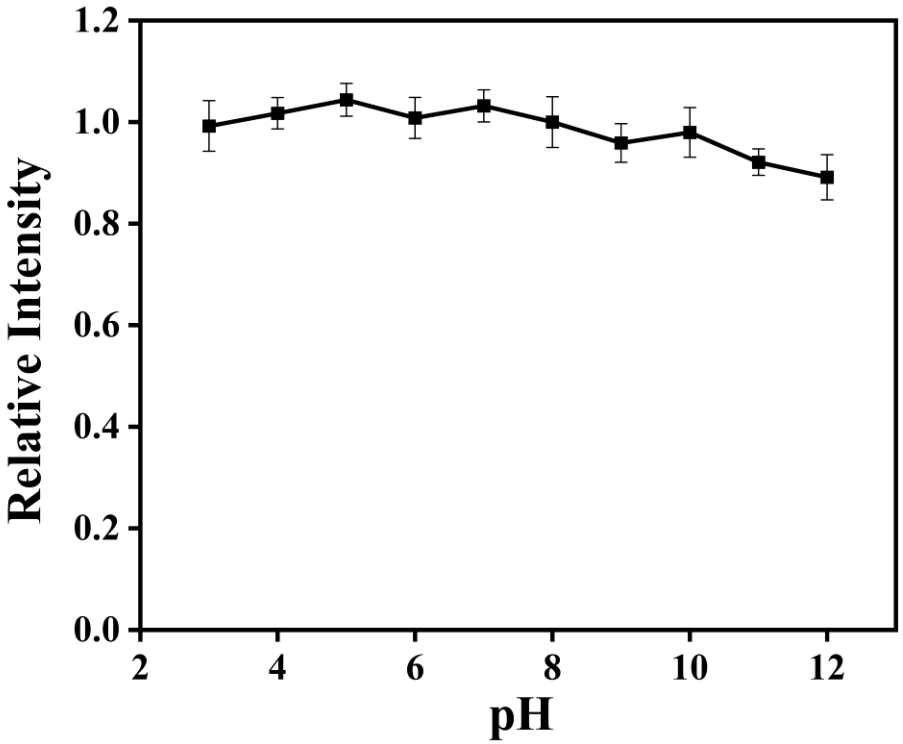


**Figure S4**. The relative fluorescence intensity of NCDs@(4-Hap)$_4$($Mo_8O_{26}$) in water under different pH ($E_x$= 380 nm).

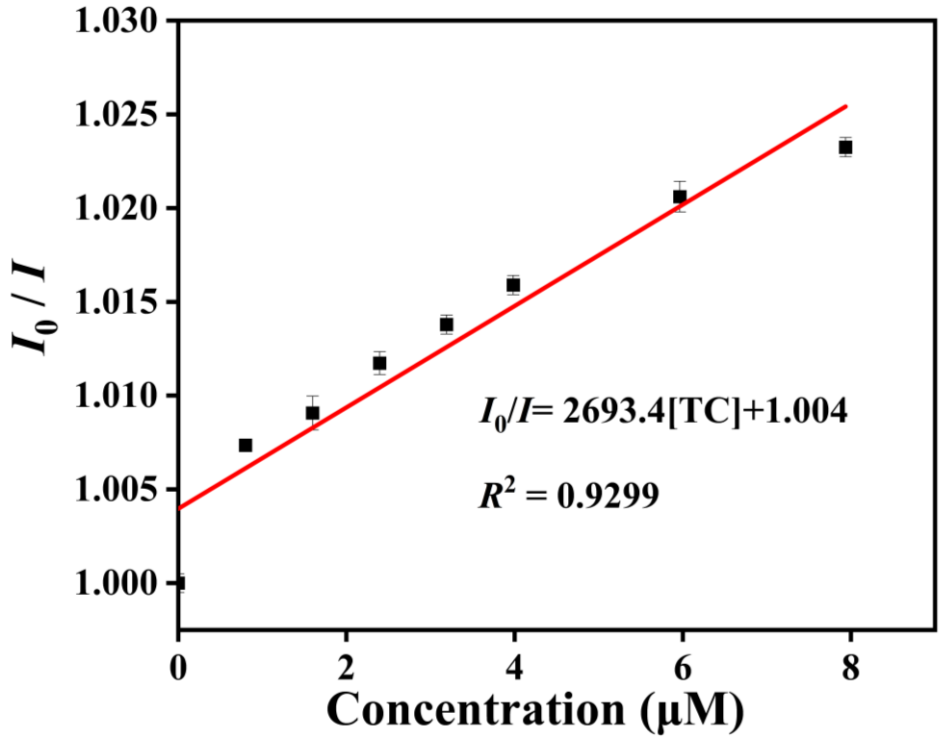


**Figure S5**. Calibration plot of the fluorescence intensity ratio ($I_0/I$) versus concentrations of TC in 0-8 μM.

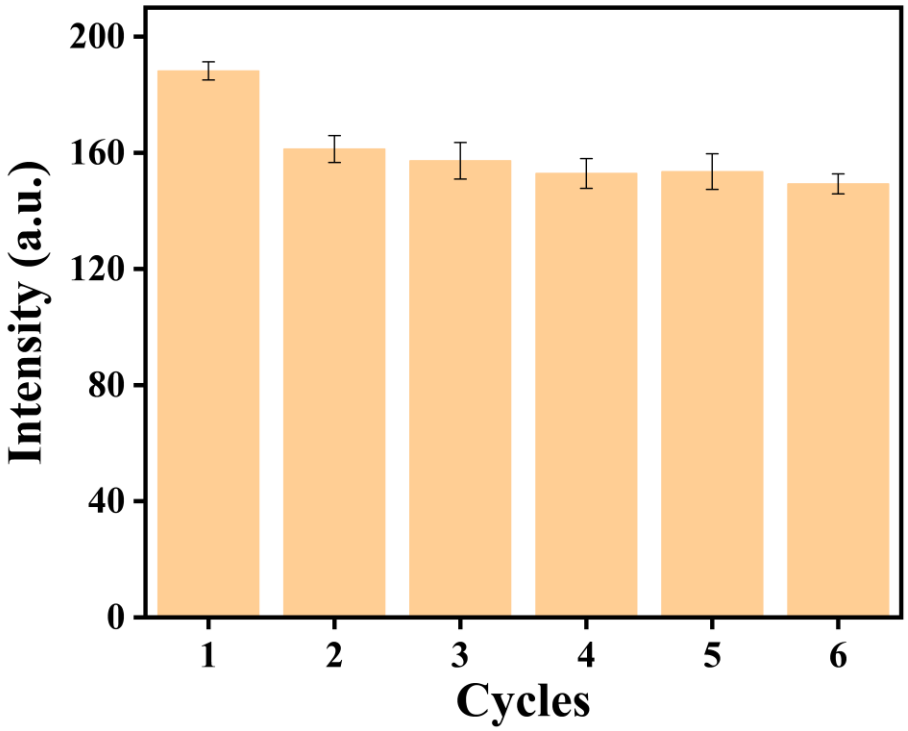


**Figure S6**. Recovery tests of NCDs@(4-Hap)$_4$($Mo_8O_{26}$) for TC sensing.