

Electronic Supplementary Information

The resonance Rayleigh scattering spectra of Cu^{2+} -Adenine- WO_4^{2-} system and its application

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SOS and FDS spectra

The enhanced intensities (ΔI_{SOS} and ΔI_{FDS}) are proportional to the concentration of adenine in an appropriate range.

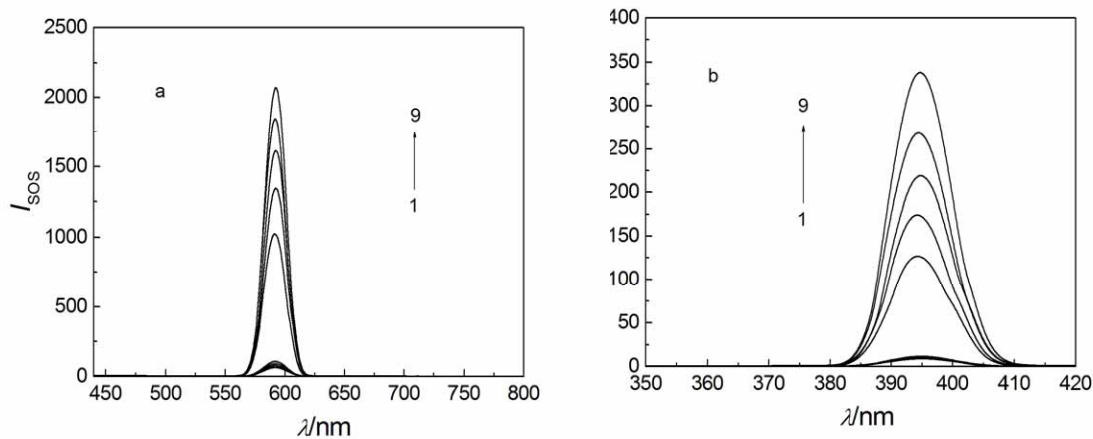


Fig. s1 Effect of A concentration on SOS and FDS intensity.

1: A: $2.0 \times 10^{-5} \text{ mol L}^{-1}$; 2: Cu^{2+} : $1.5 \times 10^{-4} \text{ mol L}^{-1}$; 3: WO_4^{2-} : $2.0 \times 10^{-4} \text{ mol L}^{-1}$; 4: Cu^{2+} -A; 5~9: system: the concentration of A: 5.0×10^{-6} , 1.0×10^{-5} , 1.5×10^{-5} , 2.0×10^{-5} , $2.5 \times 10^{-5} \text{ mol L}^{-1}$; pH 7.1

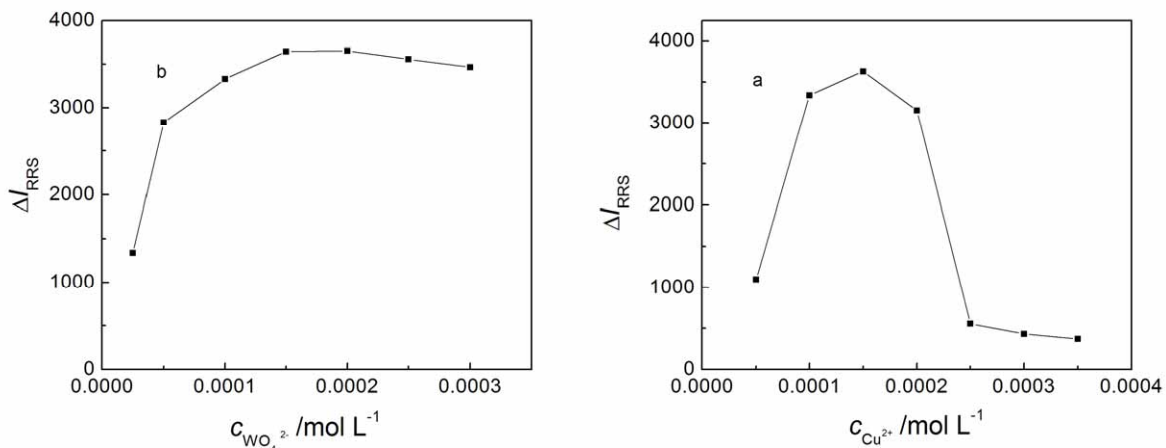


Fig. s2 Effect of Cu^{2+} and WO_4^{2-} concentration

a: Effect of Cu^{2+} concentration: A: $2.0 \times 10^{-5} \text{ mol L}^{-1}$; WO_4^{2-} : $2.0 \times 10^{-4} \text{ mol L}^{-1}$; pH 7.1

b: Effect of WO_4^{2-} concentration: A: $2.0 \times 10^{-5} \text{ mol L}^{-1}$; Cu^{2+} : $1.5 \times 10^{-4} \text{ mol L}^{-1}$; pH 7.1

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