

Supplementary Materials: Label-Free Fluorescence Assay of S1 Nuclease and Hydroxyl Radicals Based on Water-Soluble Conjugated Polymers and WS₂ Nanosheets

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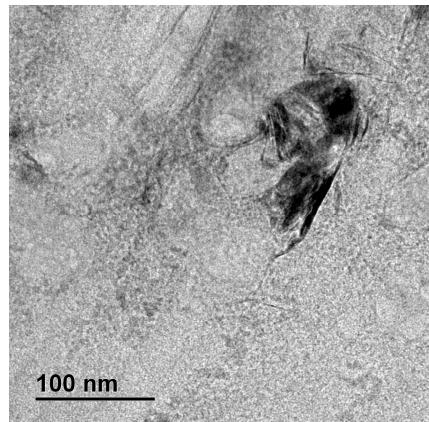


Figure S1. The TEM image of WS₂ nanosheets.

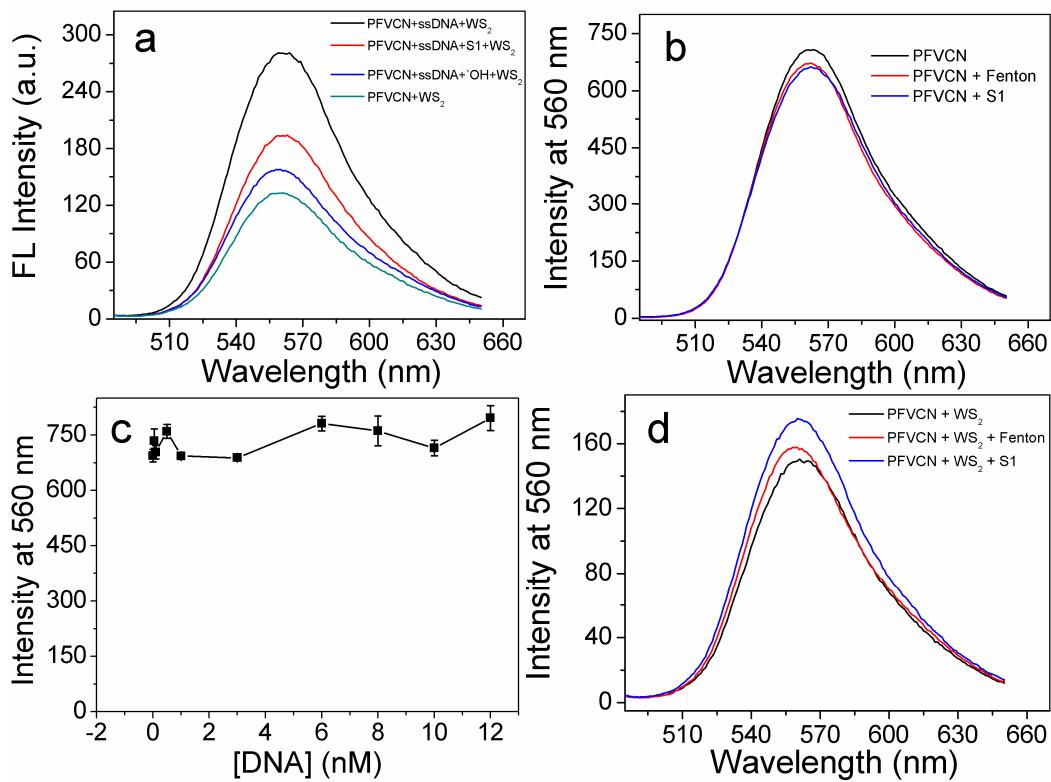


Figure S2. (a) The fluorescence spectra of PFVCN/ssDNA/WS₂, PFVCN/ssDNA/ S1/WS₂, PFVCN/ssDNA /·OH/WS₂ and PFVCN/WS₂ in Tris-HCl buffer solution (20 mM, pH 7.4); (b) The fluorescence intensity of PFVCN in the presence of S1 or Fenton reagent; (c) The fluorescence intensity of PFVCN in the presence of ssDNA; (d) The fluorescence intensity of PFVCN/WS₂ in the presence of S1 or Fenton reagent. [PFVCN] = 1.0×10^{-6} M, [WS₂] = 1 $\mu\text{g}/\text{mL}$, [S1] = 0.5 U/mL, [Fe²⁺] = 5 μM . The excitation wavelength is 470 nm.

