

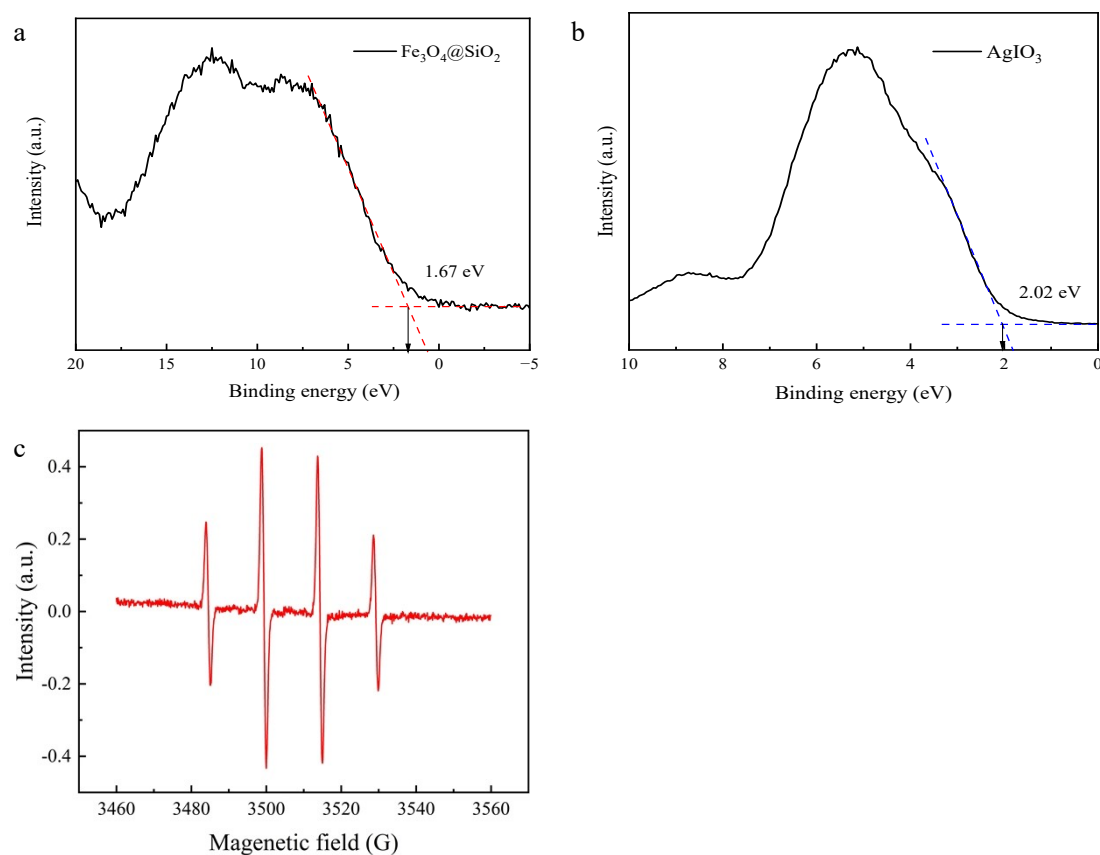


Fig. S1. Valence-band XPS spectra of (a) $\text{Fe}_3\text{O}_4@\text{SiO}_2$, (b) AgIO_3 ; DMPO spin-trapping EPR spectra recorded with AFS-15 in aqueous dispersion (for $\text{DMPO} \cdot \text{OH}$) under visible irradiation.