

Fig. S1 XRD patterns (a) and SEM (b) image of the spent t-Se NRs after photocatalytic in the visible-Se NRs-H<sub>2</sub>O<sub>2</sub> systems

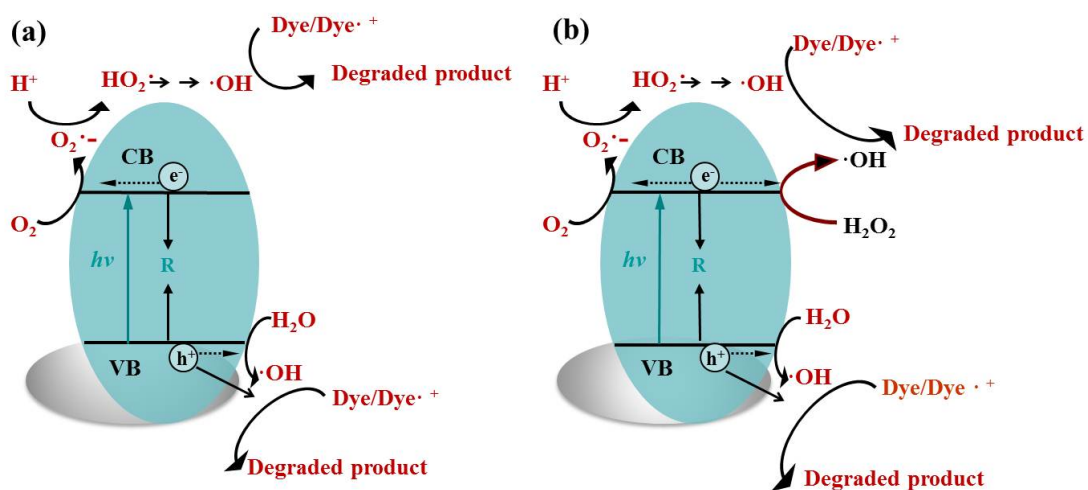


Fig. S2 Proposed mechanisms of t-Se NRs in the visible-SeNRs-HCl (a) and visible-SeNRs-H<sub>2</sub>O<sub>2</sub> (b) degradation of MO.