

Supplementary Information

Ag₃PO₄ immobilized on hydroxy-metal pillared montmorillonite for the visible-light-driven degradation of acid red 18

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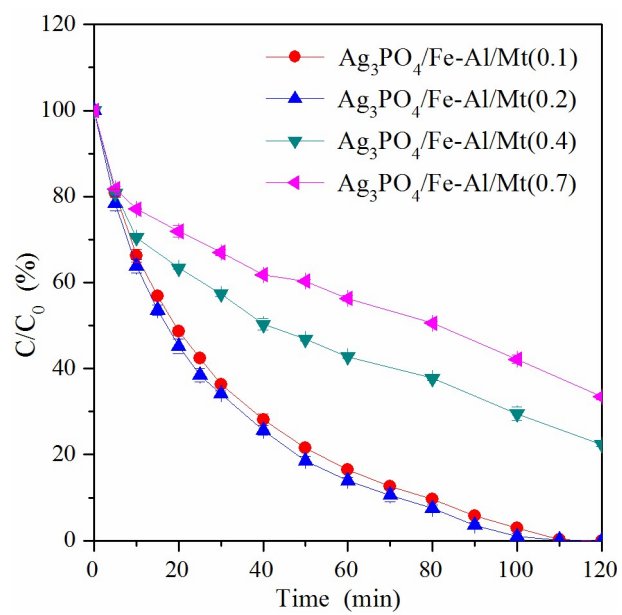


Fig. S1. Decolorization of acid red 18 by $\text{Ag}_3\text{PO}_4/\text{Fe-Al/Mt}$ with varying Fe content

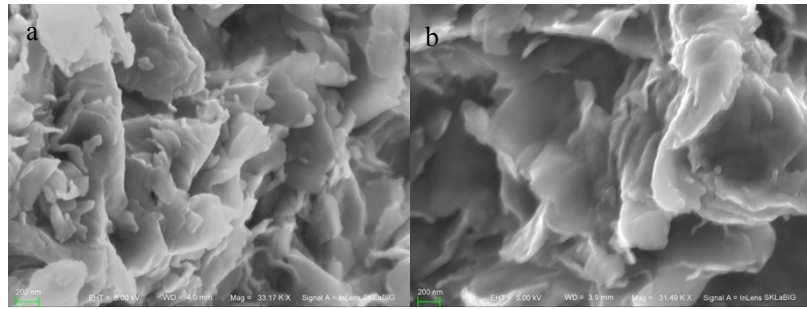


Fig. S2. SEM images of samples. (a: Al/Mt; b: Fe-Al/Mt)

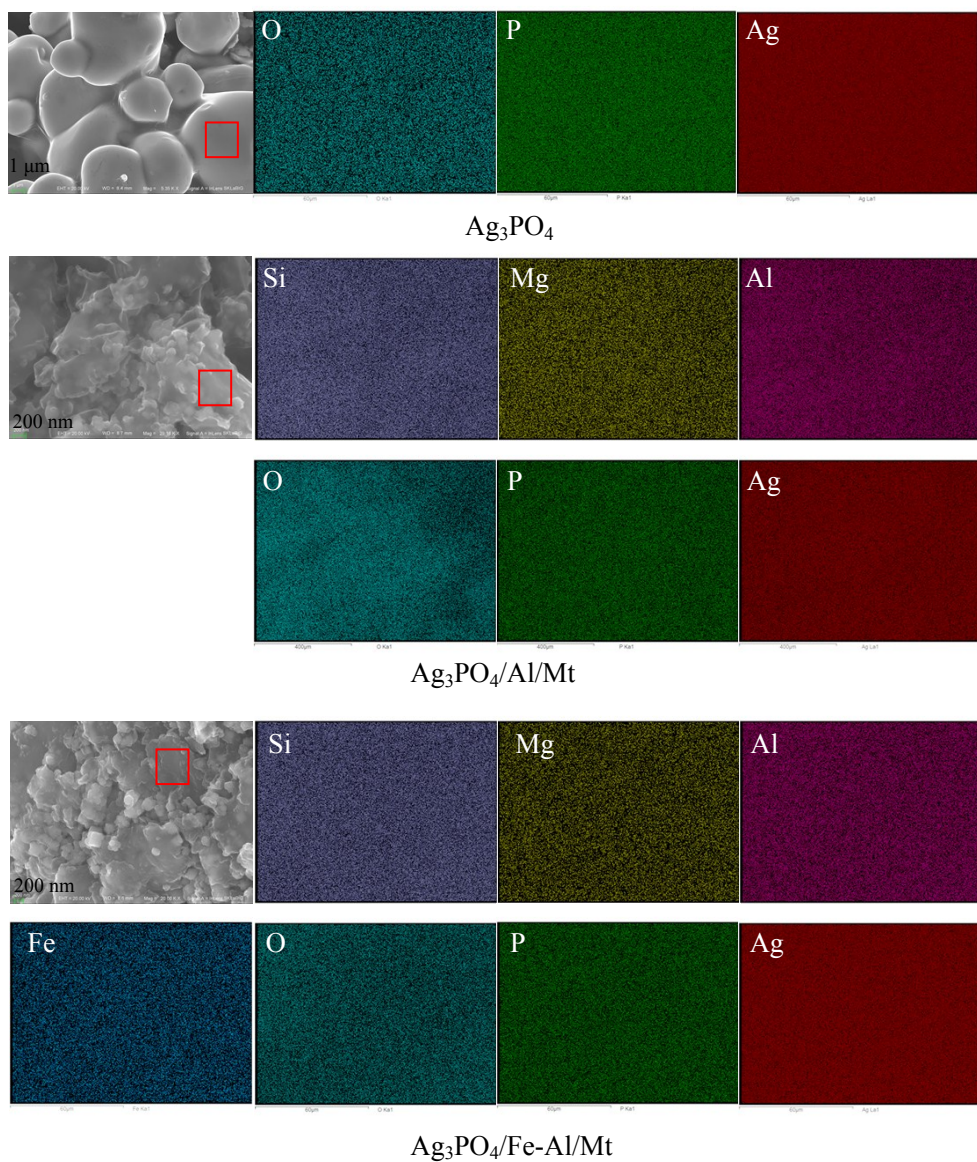


Fig. S3. EDS mapping images of the samples

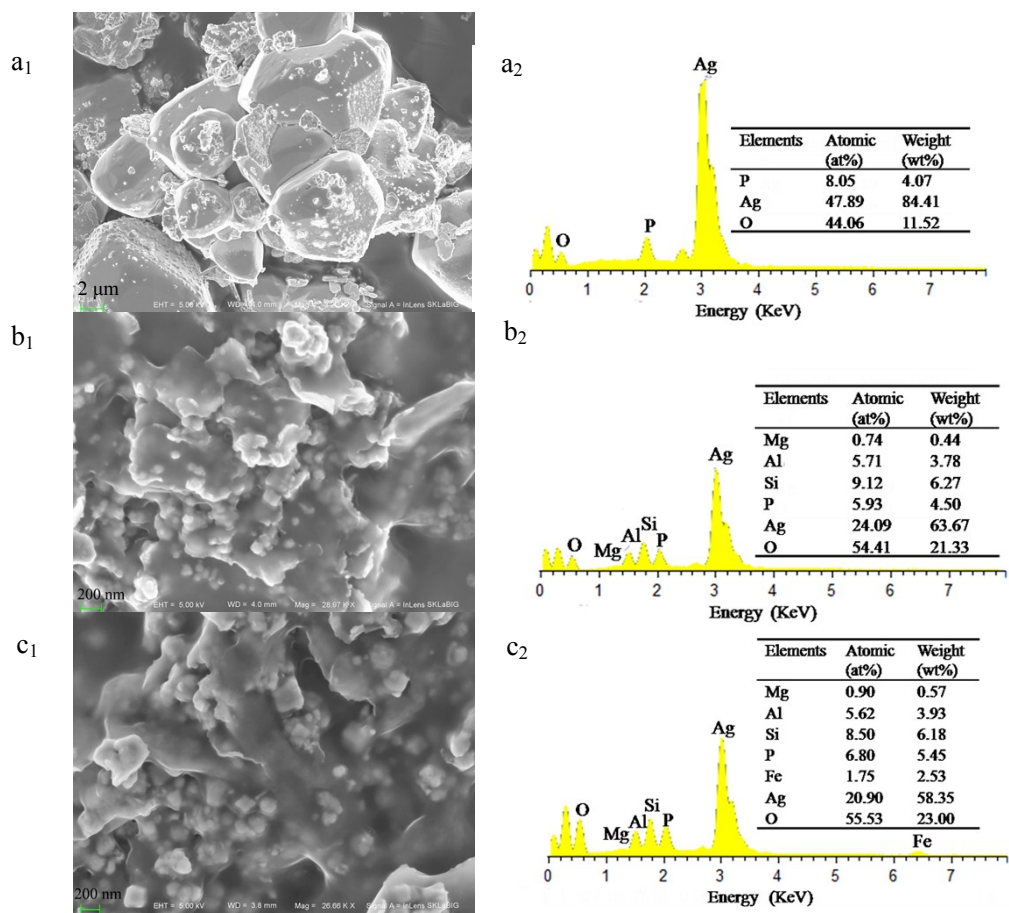


Fig. S4. SEM images and EDS patterns of samples after three recycle runs.
(a: Ag_3PO_4 , b: $\text{Ag}_3\text{PO}_4/\text{Al}/\text{Mt}$, c: $\text{Ag}_3\text{PO}_4/\text{Fe-Al}/\text{Mt}$)

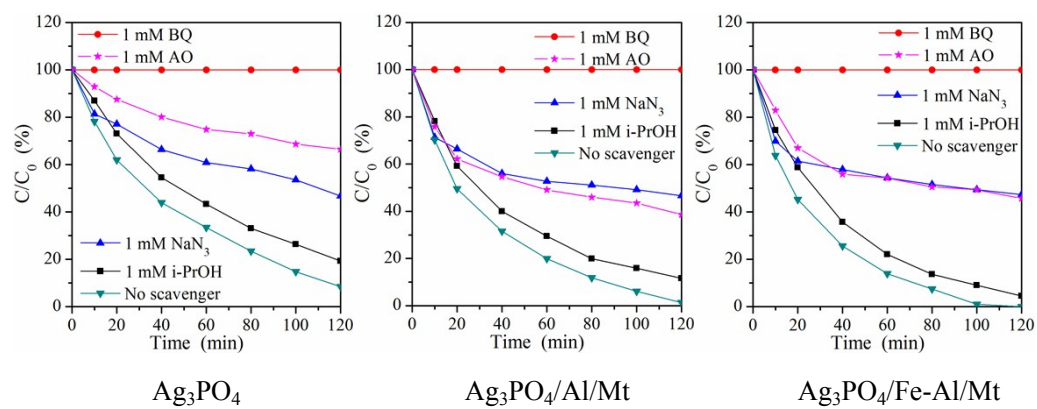


Fig. S5. Decolorization of acid red 18 under different scavengers.