

Supporting Information

Facile Synthesis of Novel Polypyrrole dispersed AgFeO₂ Nanohybrid with Highly Efficient Photocatalytic Activity towards 2,4,6-Trichlorophenol Degradation

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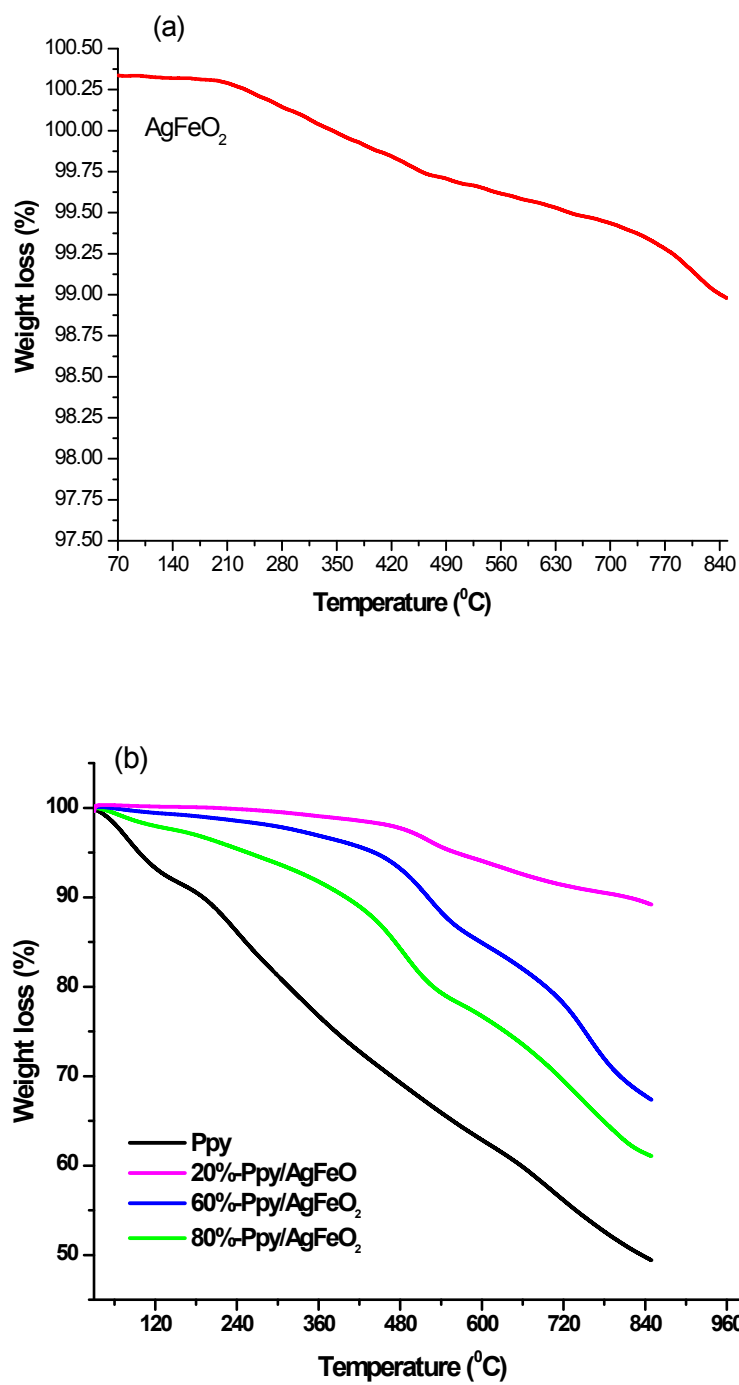


Figure S1 TGA profiles of (a) AgFeO₂ (b) Ppy, and Ppy/AgFeO₂ nanohybrids

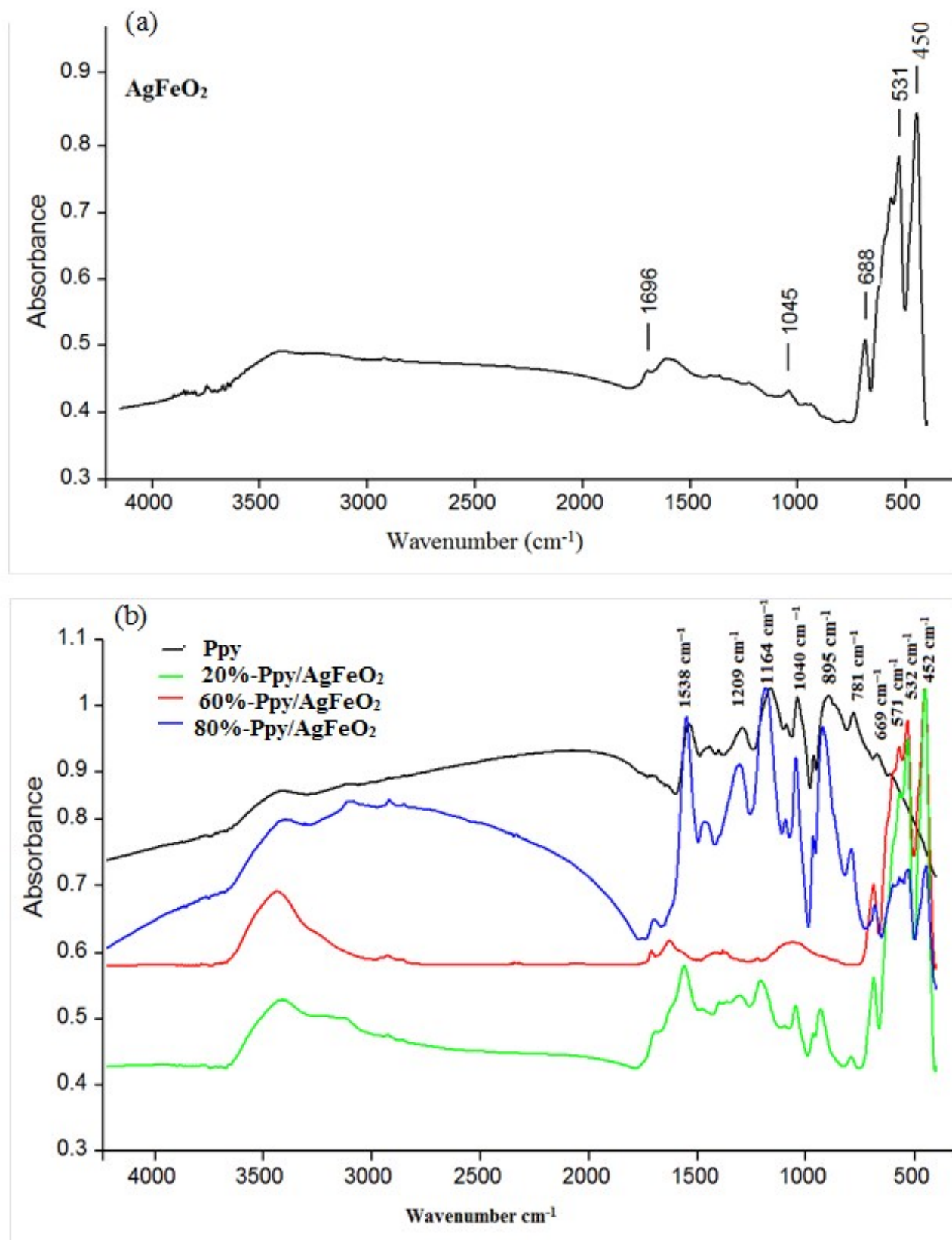
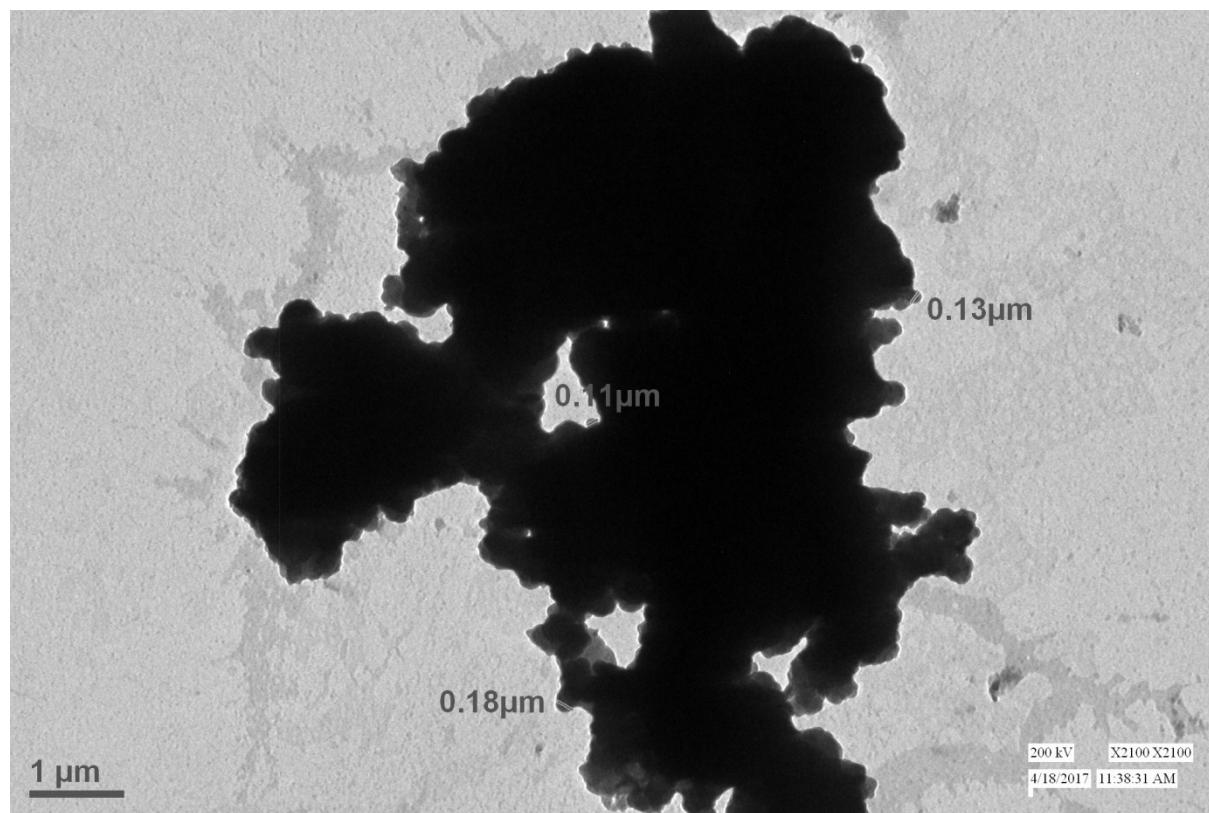
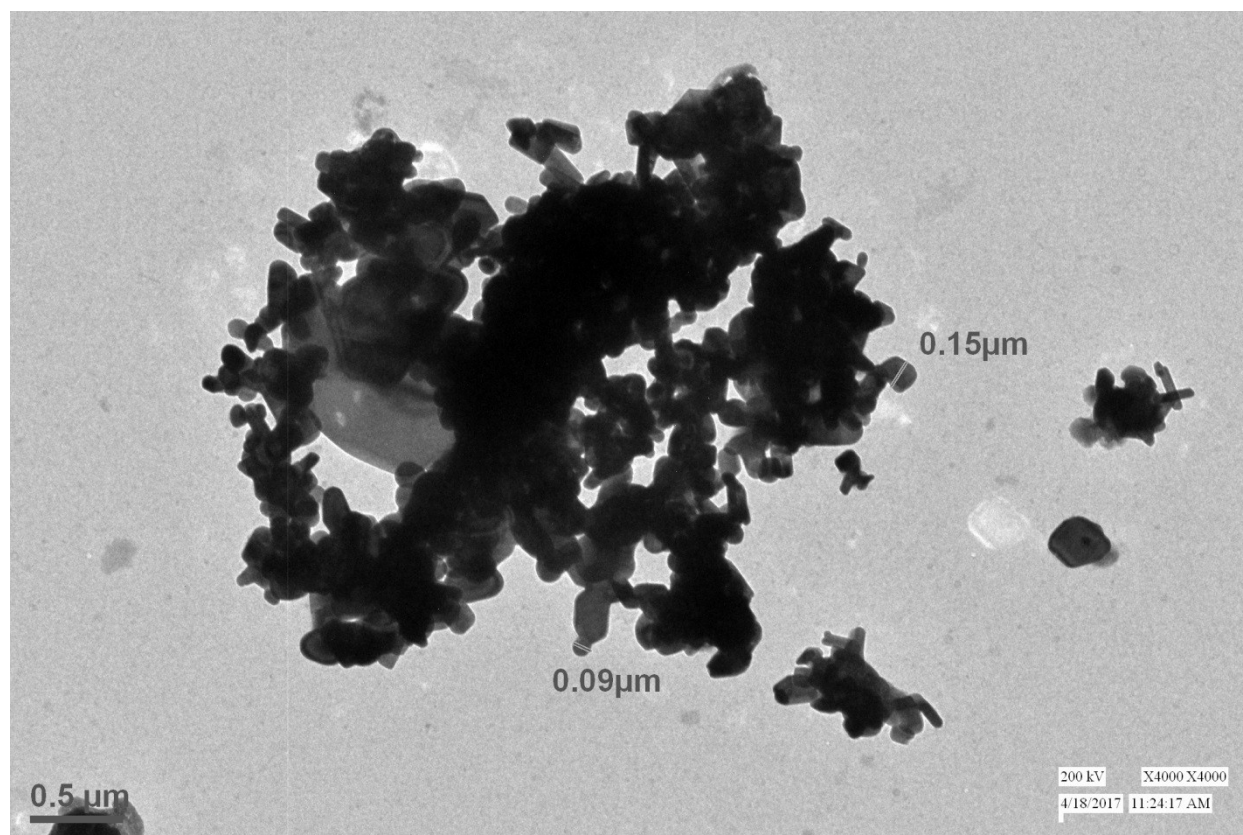


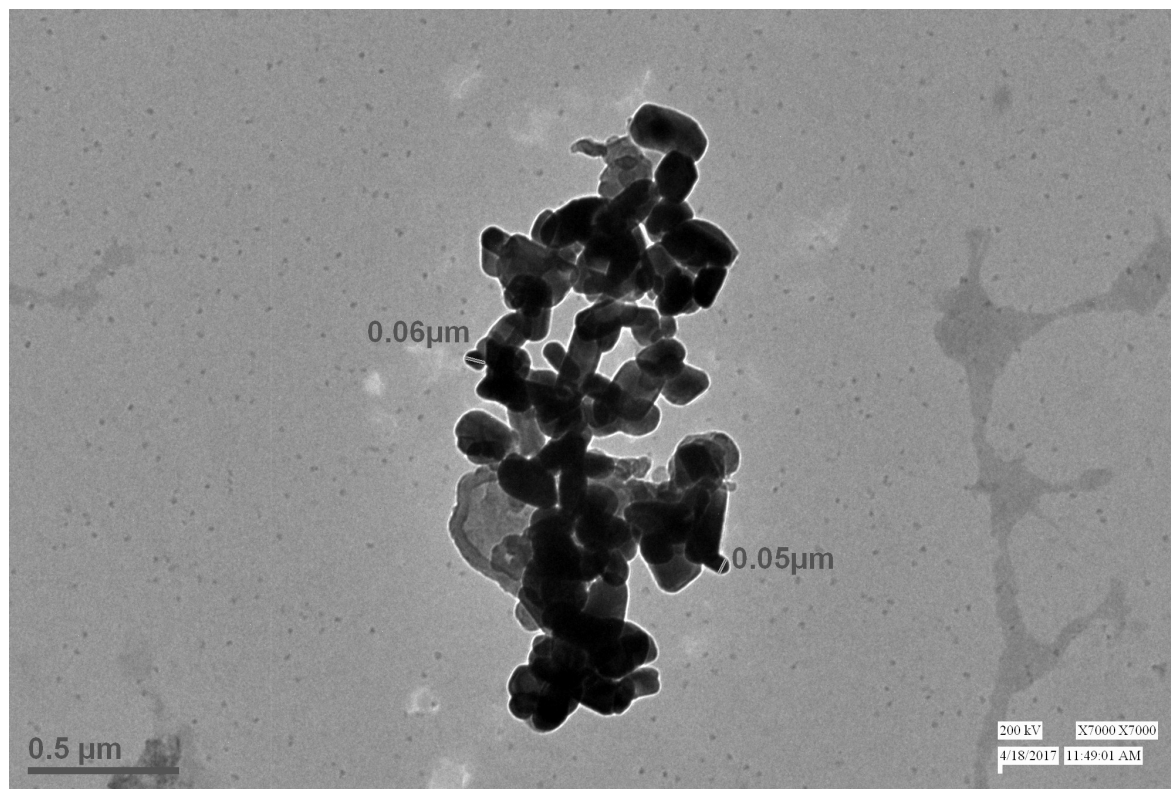
Figure S2 IR spectra of (a) AgFeO₂ (b) Ppy/AgFeO₂ nanohybrids



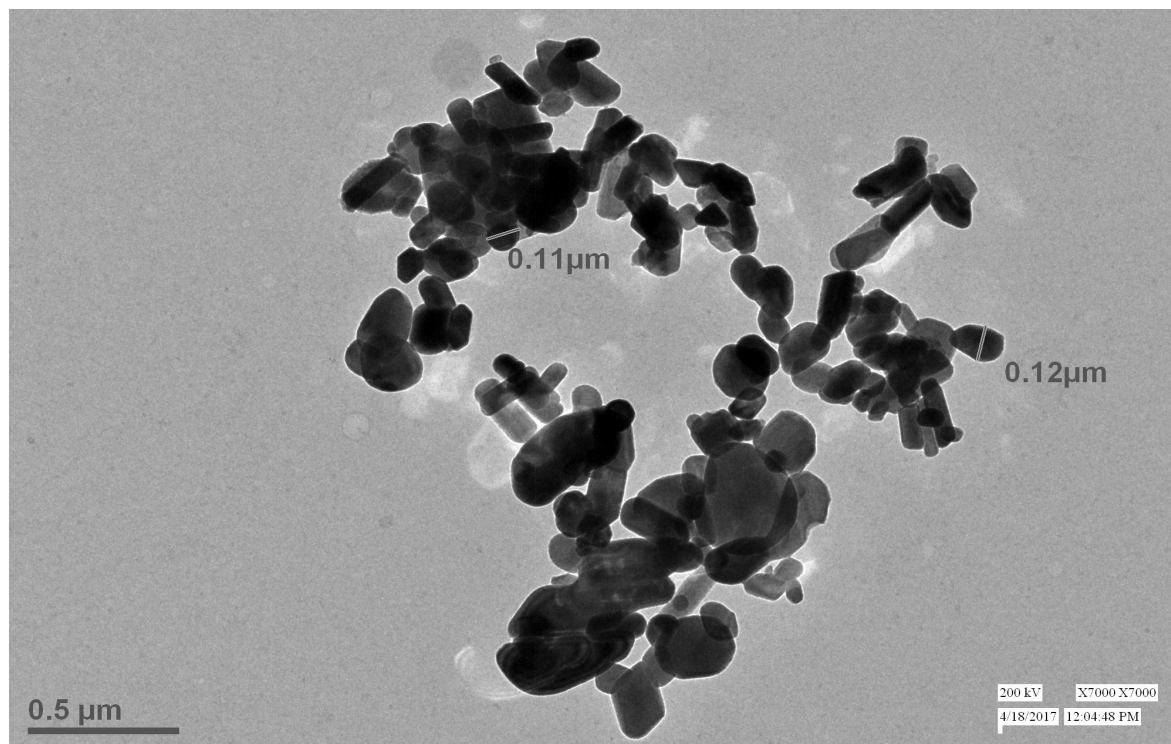
(a)



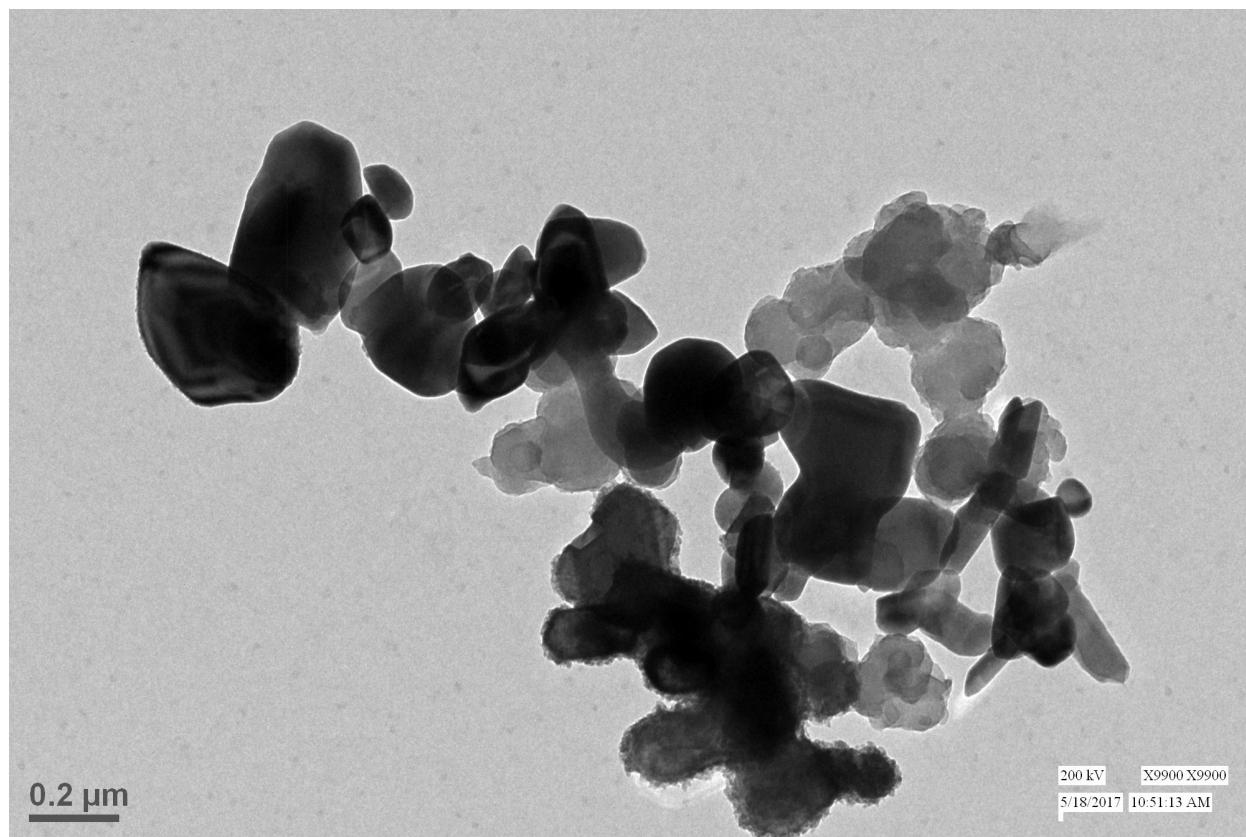
(b)



(c)



(d)



(e)

Figure S3 HRTEM of (a) Ppy (b) AgFeO₂, (c) 20%-Ppy/AgFeO₂ (d) 60%-Ppy/AgFeO₂, (e) 80%-Ppy/AgFeO₂

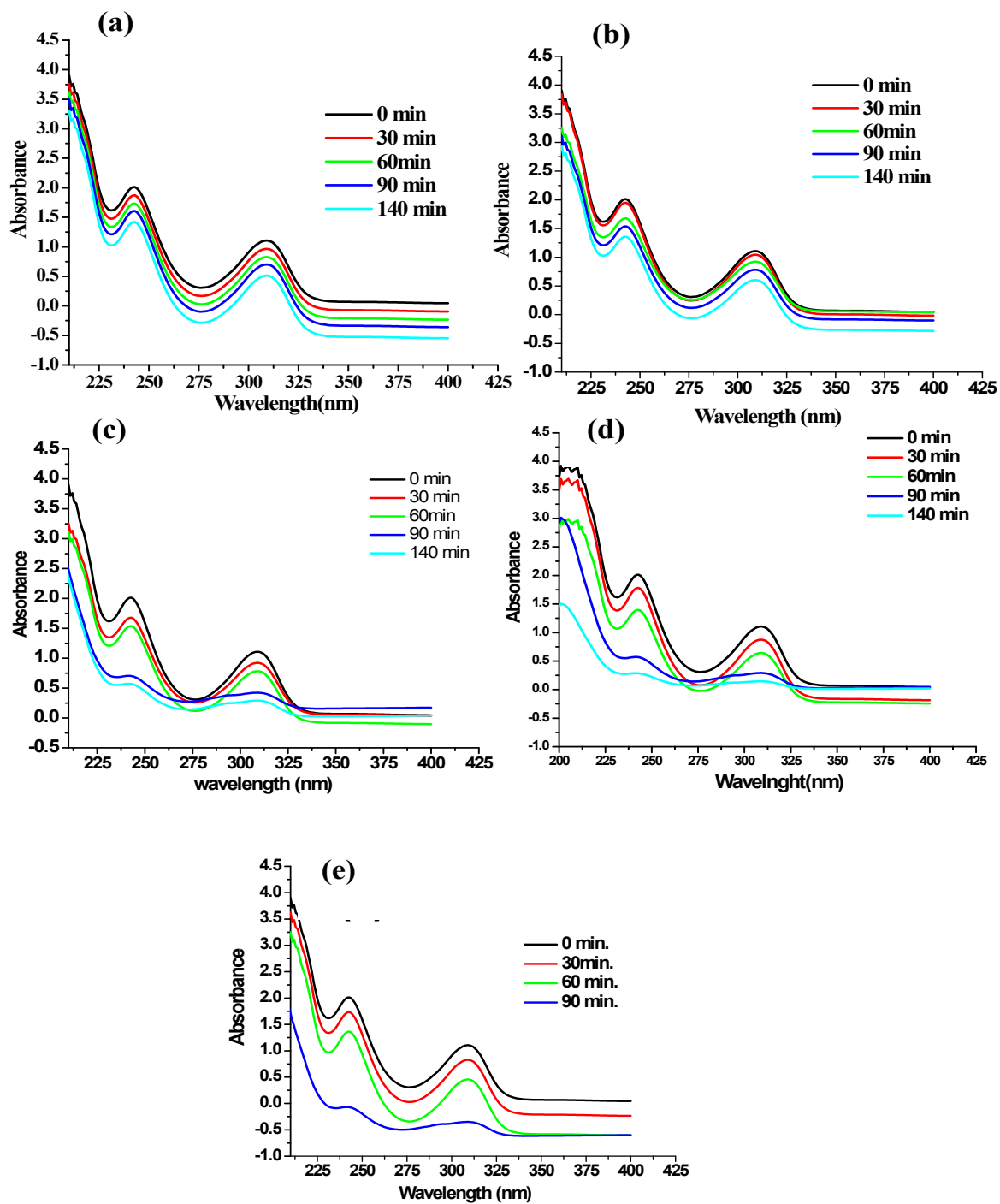


Figure S4 UV spectra of degradation of 2,4,6-TCP using (a) Ppy, (b) AgFeO₂, (c) 20%-Ppy/AgFeO₂ (d) 60%-Ppy/AgFeO₂ and (e) 80%-Ppy/AgFeO₂