

Supplementary information

Porphyrin-conjugated $\text{TiO}_2/\text{CoFe}_2\text{O}_4$ nanostructure photocatalyst for selective production of aldehydes by visible-light

Mahdieh Ghobadifard,^{a,b,c} Elham Safaei,^a Pavle V. Radovanovic,^b Sajjad Mohebbi^{* a, c}

^a Department of Chemistry, University of Kurdistan, Sanandaj, 66177-15175, Iran

^b Department of Chemistry, University of Waterloo, 200 University Ave. W., Waterloo, ON, Canada

^c Research Center for Nanotechnology, University of Kurdistan, Sanandaj, 66177-15175, Iran
smohebbi@uok.ac.ir, Fax: +98(87)336660075, Tel: +98(87)33624133

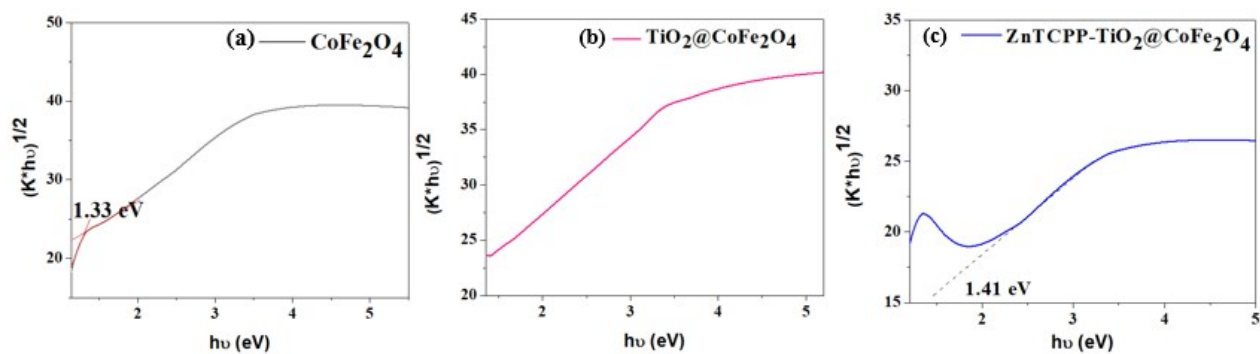


Fig. 1S. The absorption edge for bandgap determination: (a) CoFe_2O_4 , (b) $\text{TiO}_2/\text{CoFe}_2\text{O}_4$, (c) $\text{ZnTCPP-TiO}_2/\text{CoFe}_2\text{O}_4$ nano hybrid.