

Construction Of 1T-MoS₂ quantum dots-interspersed (Bi_{1-x}Fe_x)VO₄ heterostructures for electron transport and photocatalytic properties

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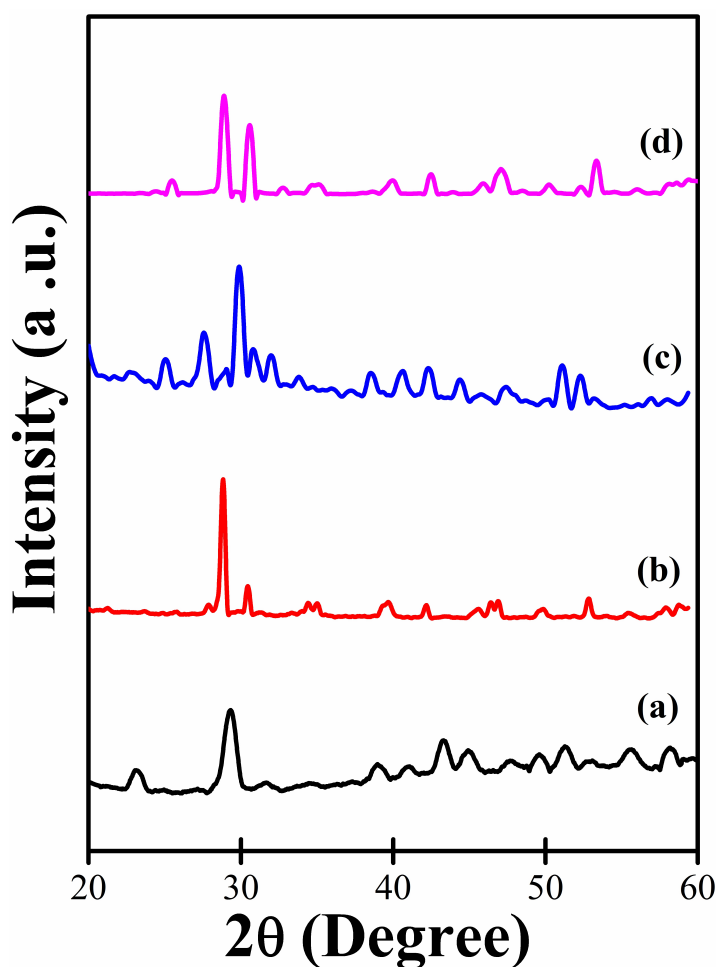


Figure S1: XRD diffraction pattern (a) MoS₂ (b) BiVO₄ (c) FeVO₄ (d) 1T-MoS₂@(Bi_{1-x}Fe_x)VO₄.

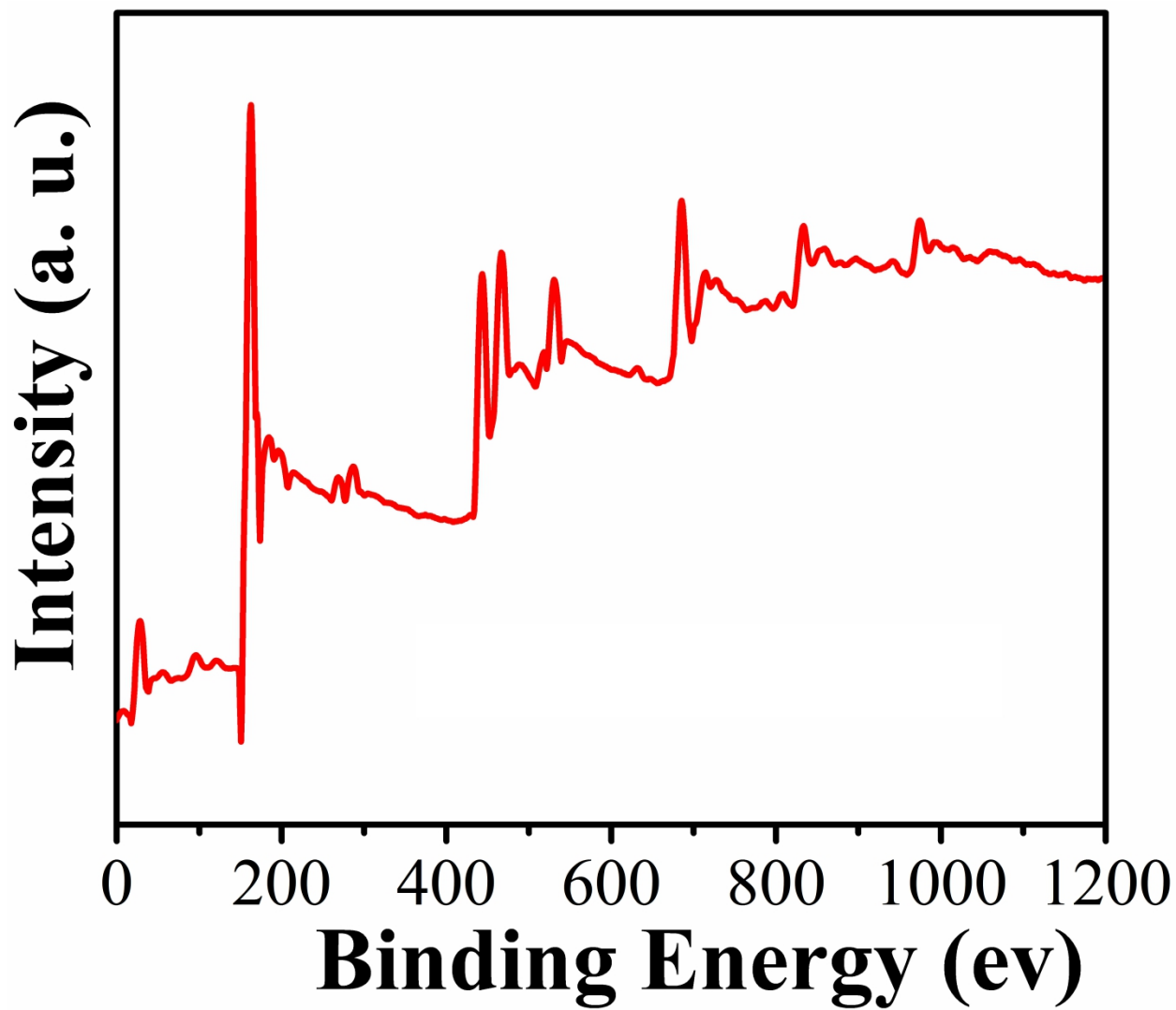


Figure S2: Wide scan XPS spectra of 1T-MoS₂@(Bi_{0.40}Fe_{0.60})VO₄ heterostructures prepared by sonicated assisted hydrothermal method.

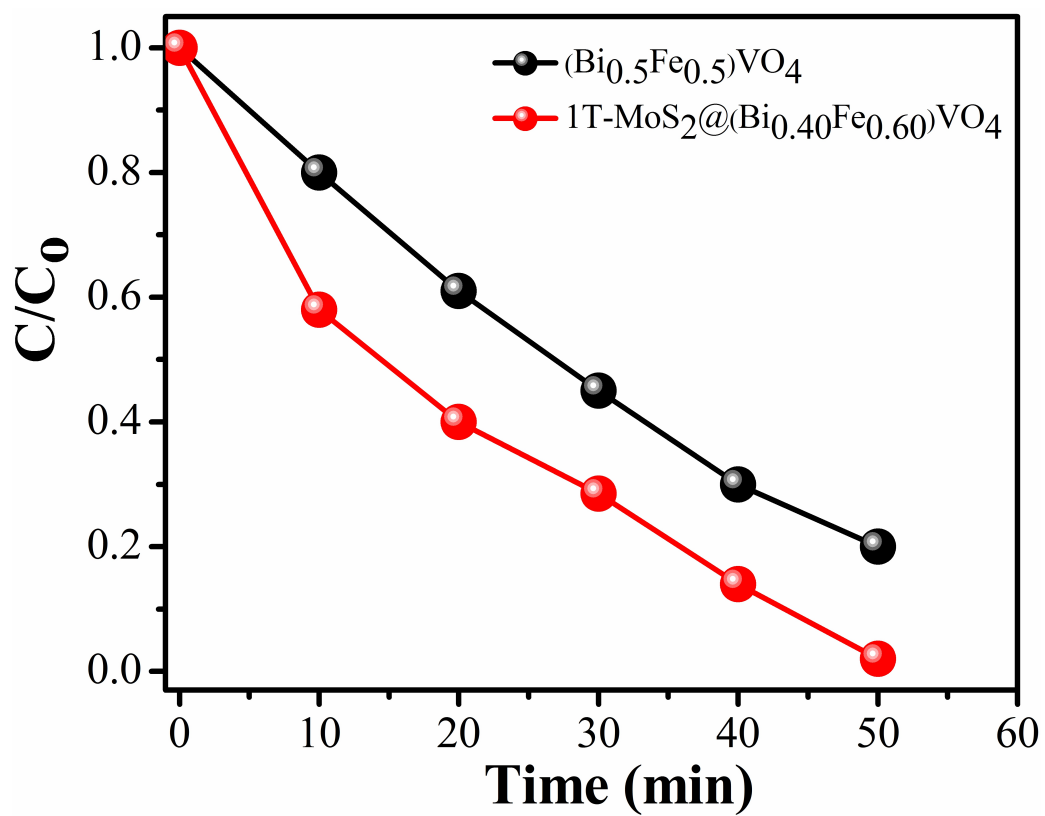


Figure S3: Photocatalytic degradation of CV dye solution over of $(\text{Bi}_{0.40}\text{Fe}_{0.60})\text{VO}_4$ and $1\text{T-MoS}_2@(\text{Bi}_{0.40}\text{Fe}_{0.60})\text{VO}_4$.