

Novel Bi-Functional MoS₂/α-Fe₂O₃ Nanocomposites for High Photocatalytic Performance

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SUPPLEMENTARY INFORMATION

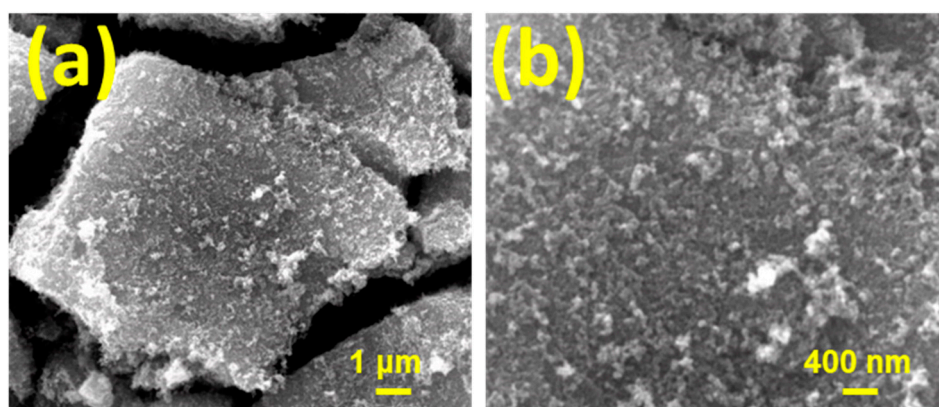


Figure S1. SEM images of hematite, in x20000 (a); and x50000 (b); magnification.

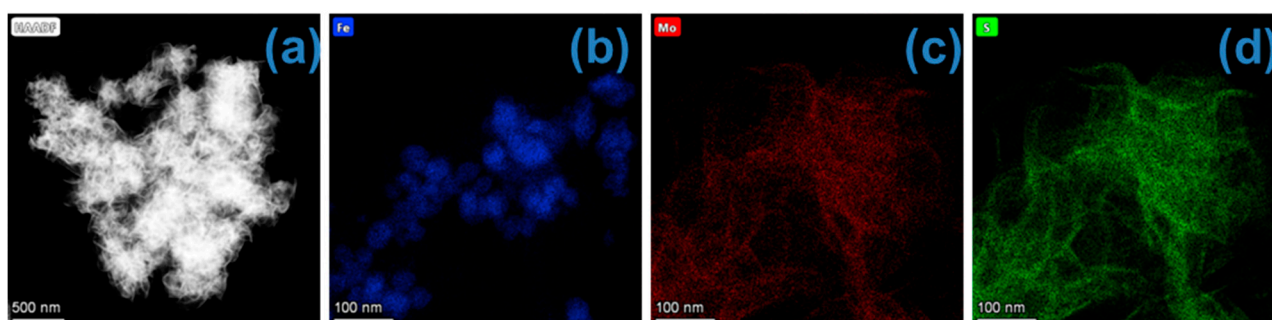


Figure S2. HAADF_STEM image of MoFe (2:1) (a); and the corresponding elemental mapping images of Fe K-edge (b; blue), Mo K-edge (c; red) and S K-edge (d; green).

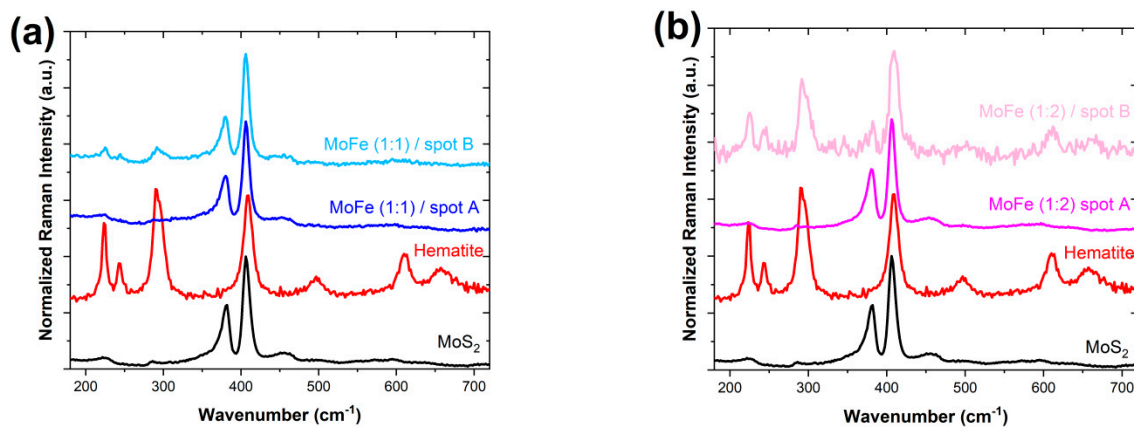
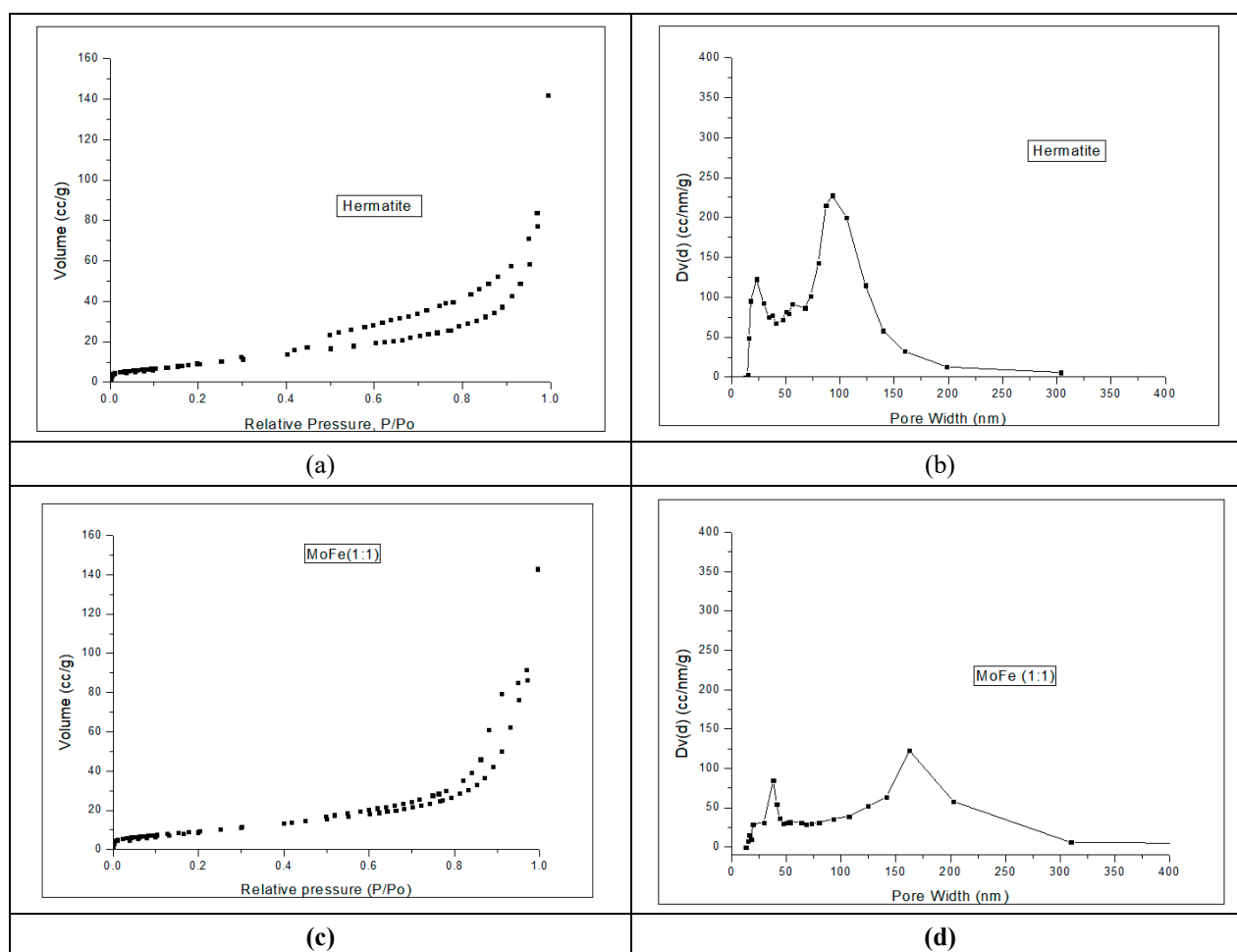


Figure S3. Raman examination of MoFe (1:1) (a); and MoFe (1:2) (b) at different spots across their surface.



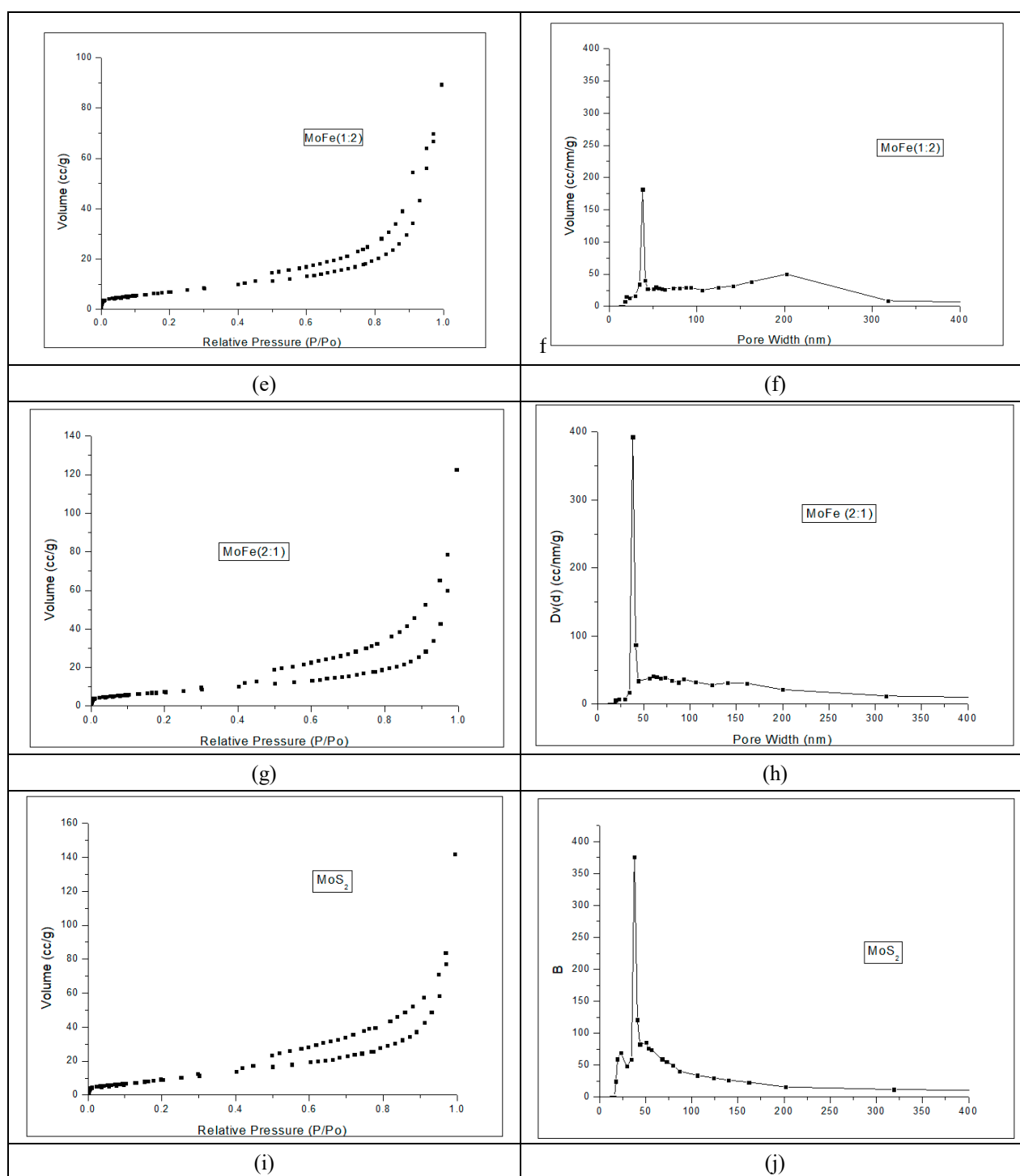


Figure S4: N_2 adsorption-desorption isotherms (a,c,e,g,i) and pore size distribution (b,d,f,h,j) curves of the prepared photocatalysts.