

Supplementary Material

WO₃ fibers/g-C₃N₄ Z-scheme heterostructure photocatalysts for simultaneous oxidation/reduction of phenol/Cr (VI) in aquatic media

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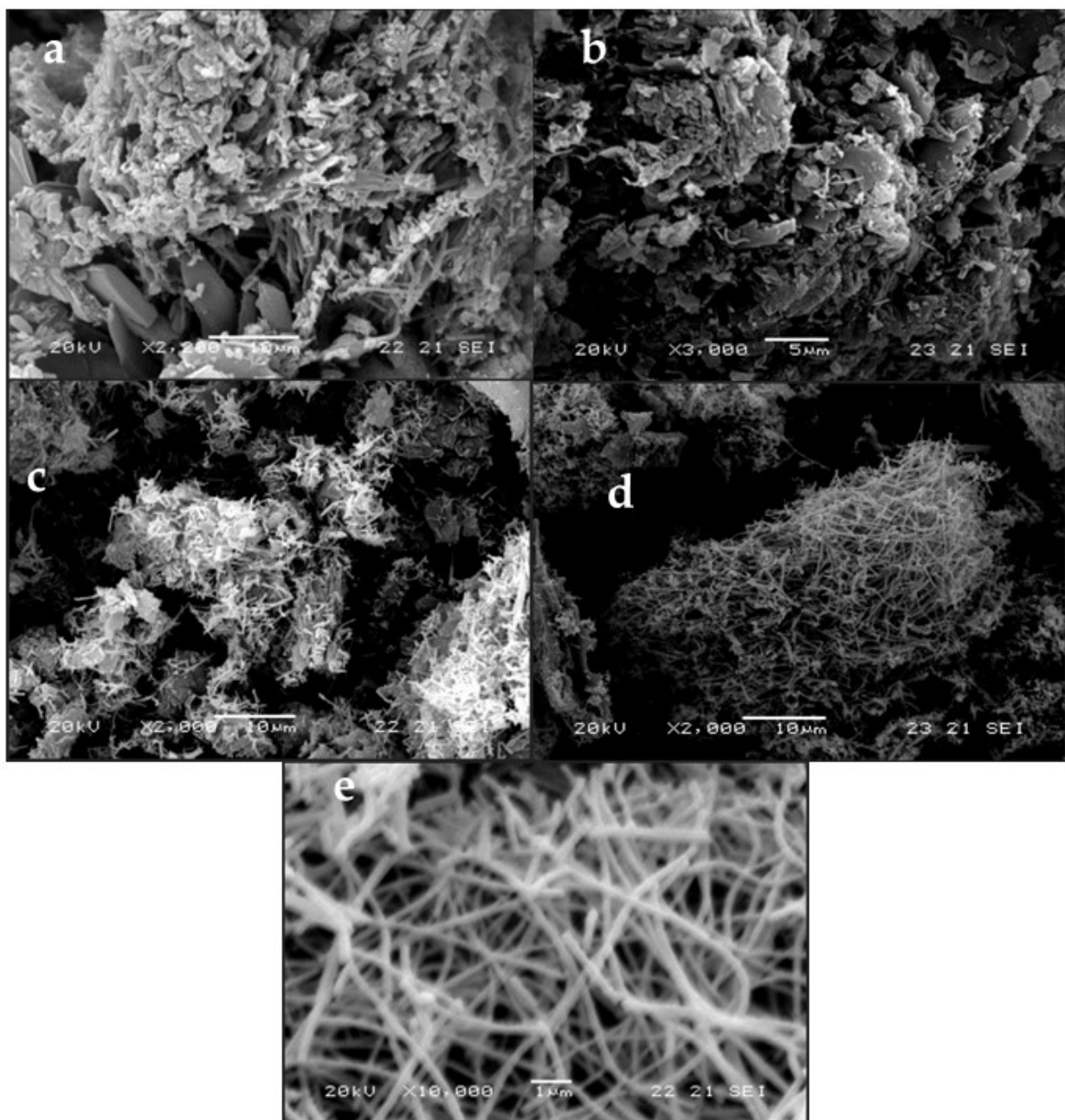


Figure S1. SEM images of electrospun fibers and composite catalysts after calcination (a) g-C₃N₄, (b) 1%WCN (c) 8%WCN, (d) 15%WCN and (e) WO₃ fibers.

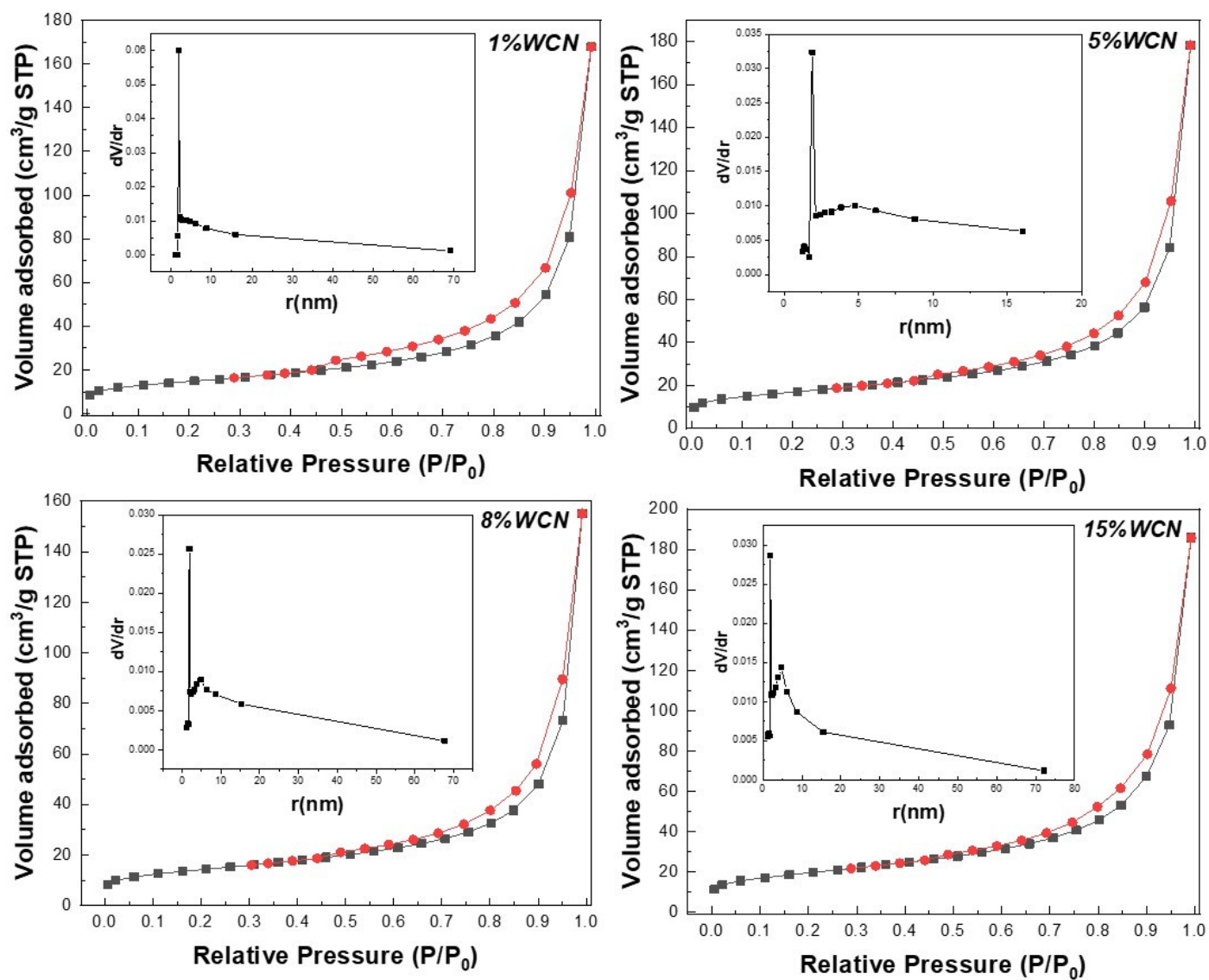


Figure S2. Nitrogen adsorption-desorption isotherms and pore size distributions for the prepared materials 1%WCN, 5%WCN, 8%WCN and 15%WCN.

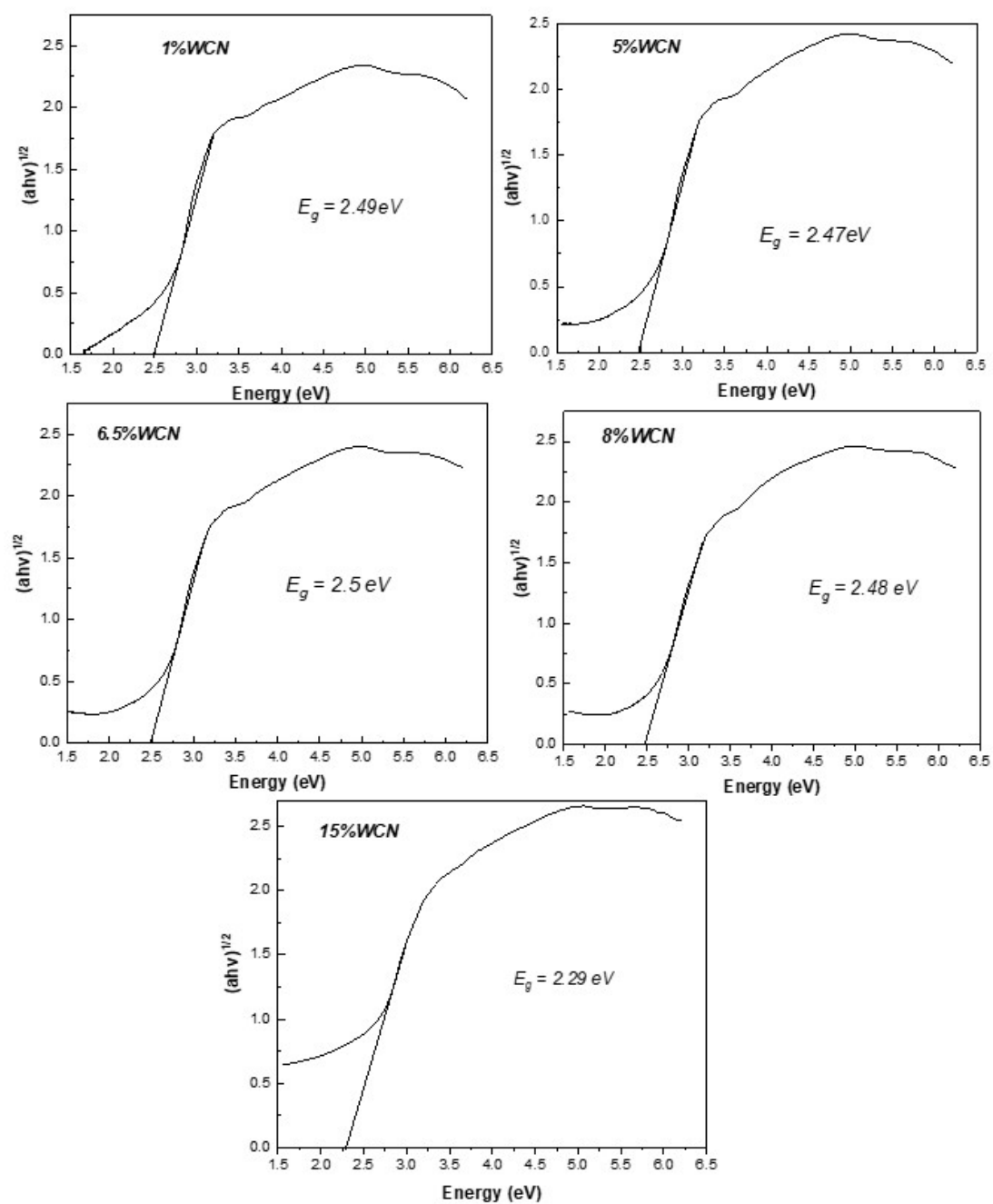


Figure S3. Kubelka-Munk plots for 1%WCN, 5%WCN, 6.5%WCN, 8%WCN and 15%WCN materials.

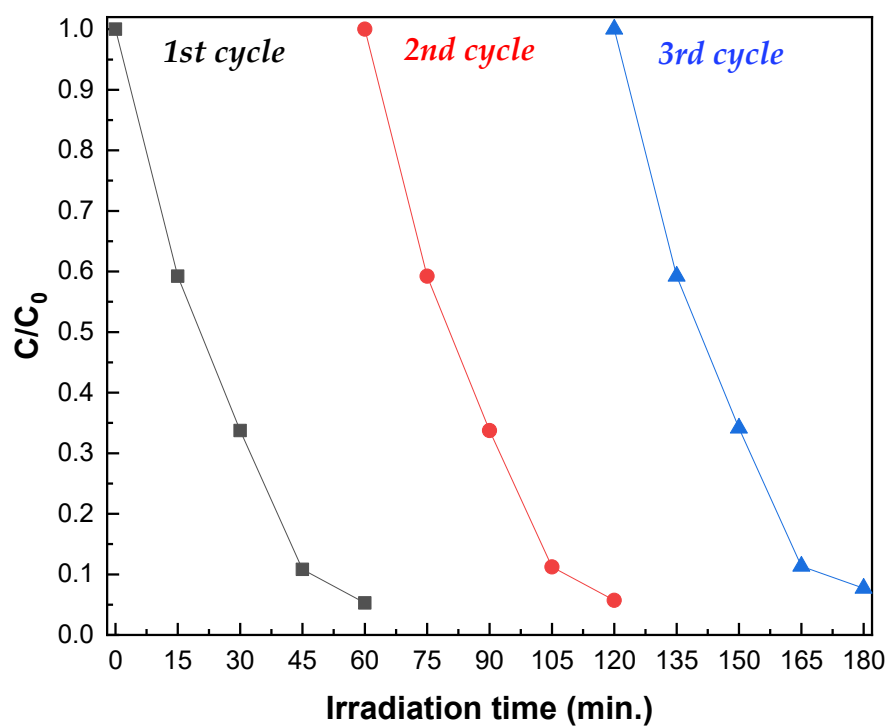


Figure S4. Reusability performance of 6.5%WCN composite catalyst.

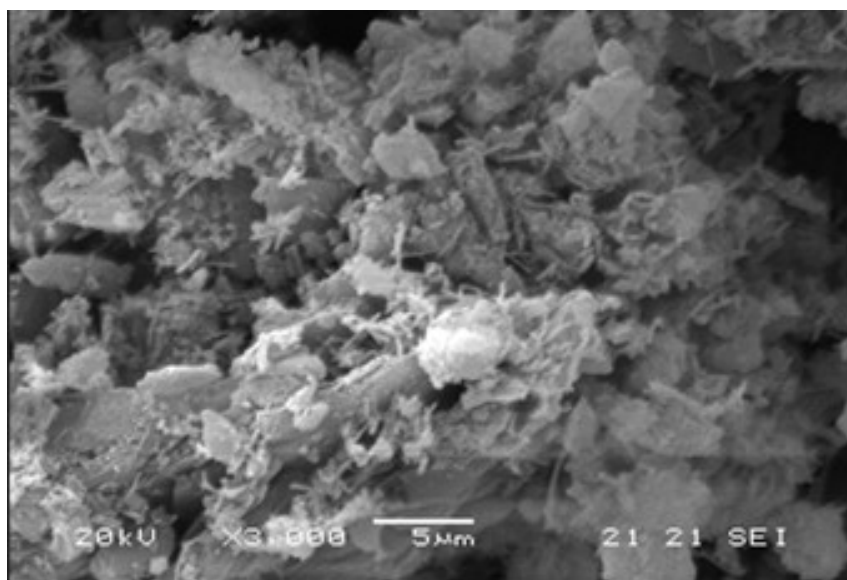


Figure S5. SEM image of catalyst 6.5%WCN after three photocatalytic cycles.

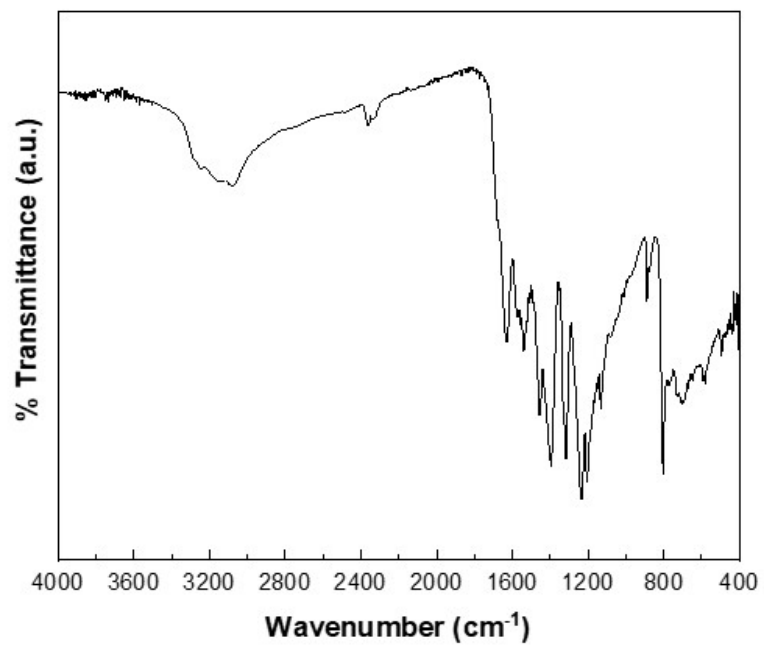


Figure S6. FT-IR spectra of composite material 6.5%WCN after the third photocatalytic cycle.