Supplementary Materials

Efficient Removal of Cr(VI) by TiO_2 Based Micro-Nano Reactor via the Synergy of Adsorption and Photocatalysis

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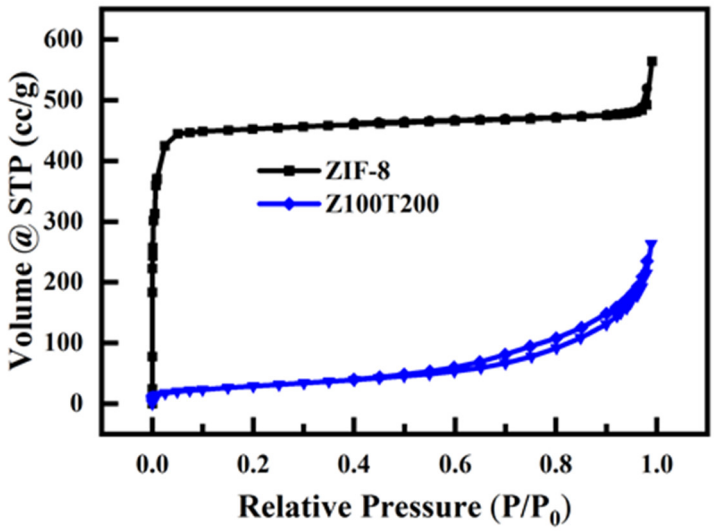


Figure S1. N_2 adsorption/desorption isotherms of ZIF-8 and Z100T200

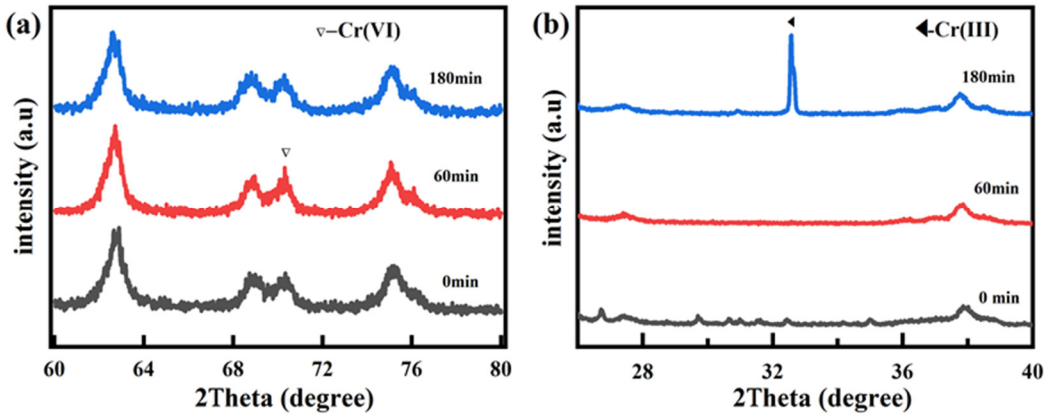


Figure S2. (**a**) XRD-Cr(VI) and (**b**) XRD-Cr(III) atlases of Z100T200 at different catalytic stages.

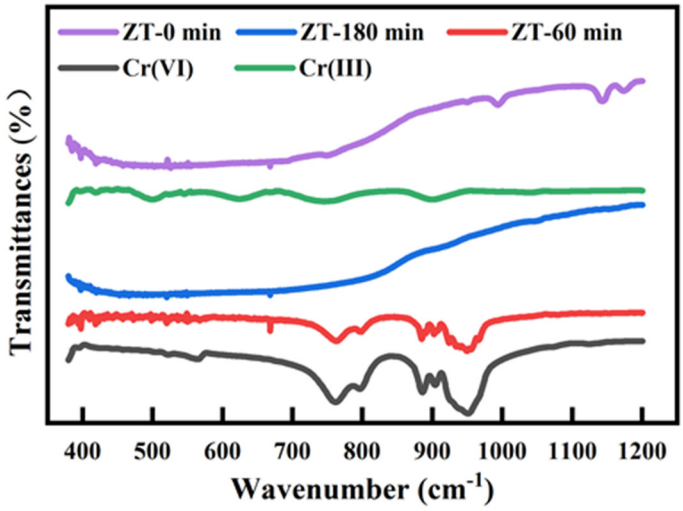


Figure S3 FITR-Cr(VI) atlases of Z100T200 at different catalytic stages.

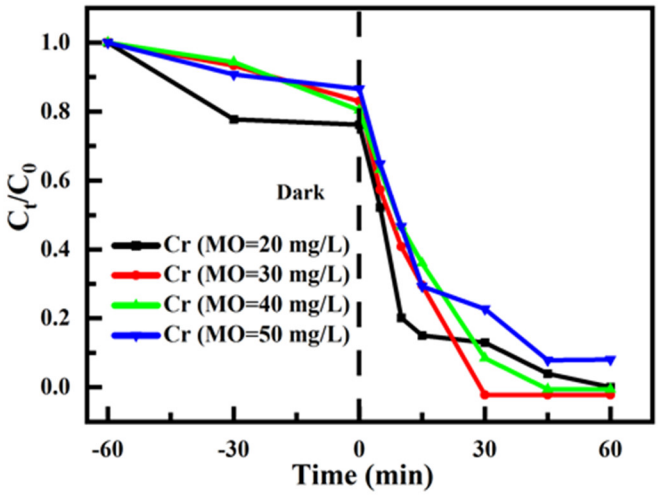


Figure S4 Effect of different concentrations of MO on the removal efficiency of Cr (VI).

Table S1. S_{BET}, pore volume and average pore diameter of ZIF-8 and Z100T200.

Sample	S_{BET} (m^2/g)	Pore volume (cm^3/g)	Average pore diameter (nm)
ZIF-8	1899.6	0.872	1.837
Z100T200	107.0	0.407	15.223