

Supporting Information

Assembling ultrafine SnO₂ nanoparticles on MIL-101(Cr) octahedrons for efficient fuel photocatalytic denitrification

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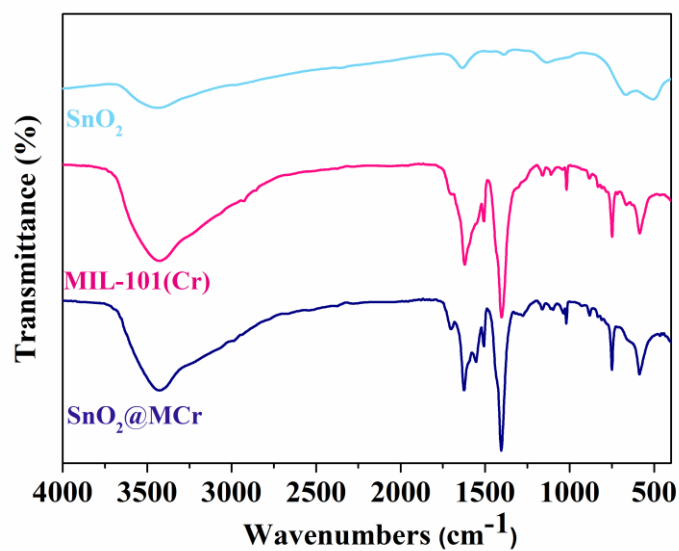


Figure S1. FTIR patterns of MIL-101(Cr), SnO₂ and 20% SnO₂@MCR.

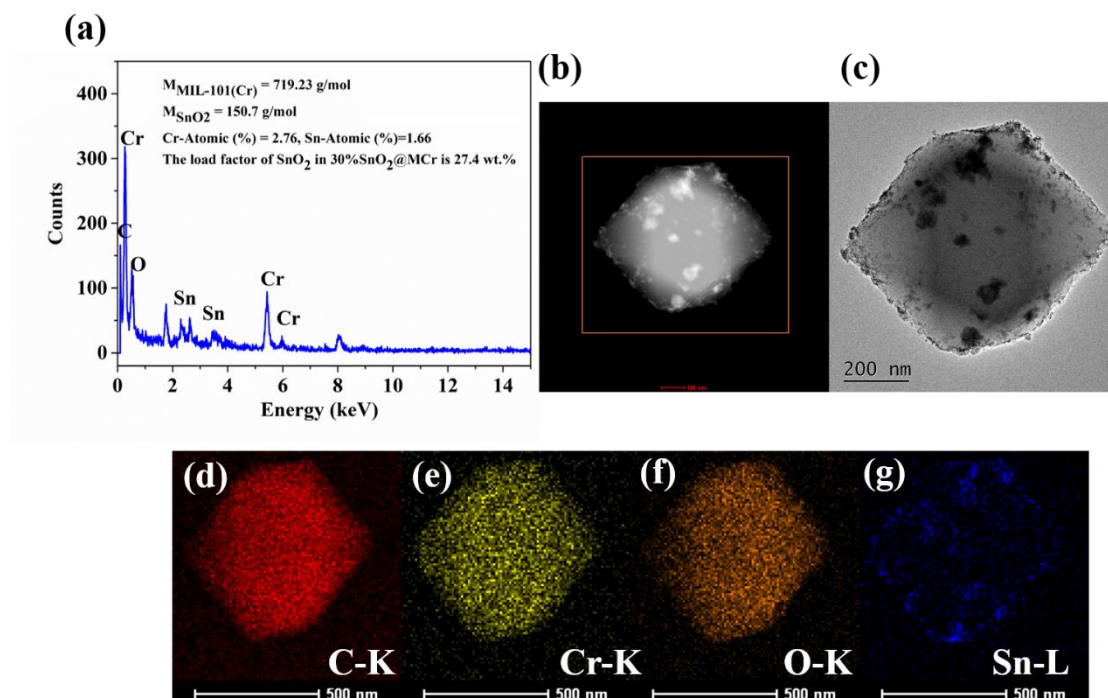


Figure S2. (a) EDS spectrum, (b-g) EDS elemental mappings for the sample of 20% SnO₂@MCR.

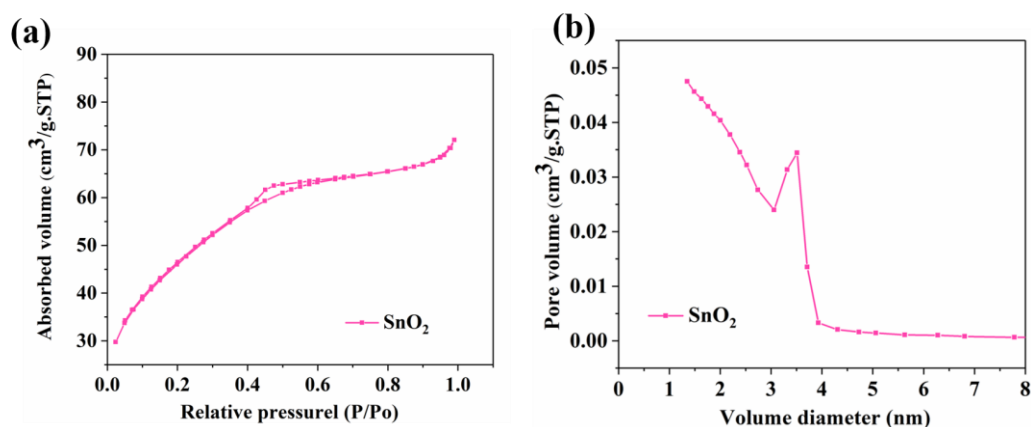


Figure S3. (a) Nitrogen sorption isotherms, (b) pore size distribution of SnO₂.

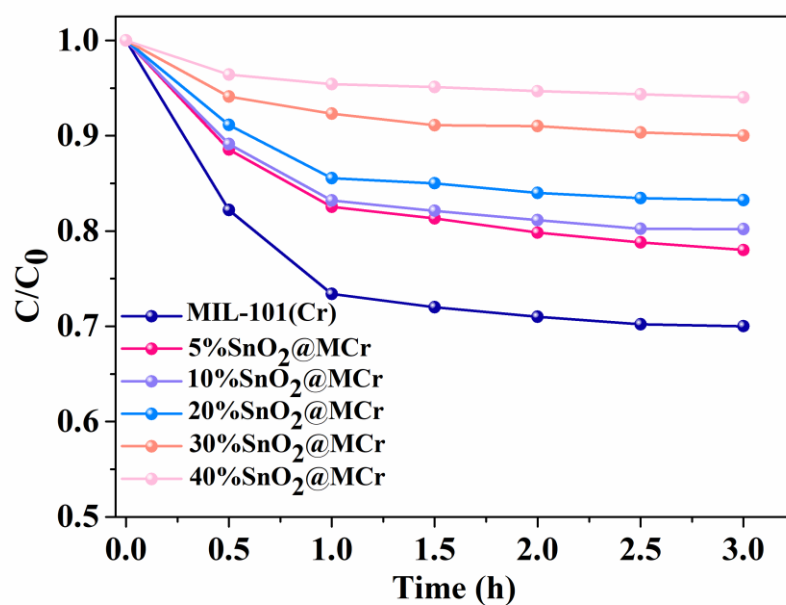
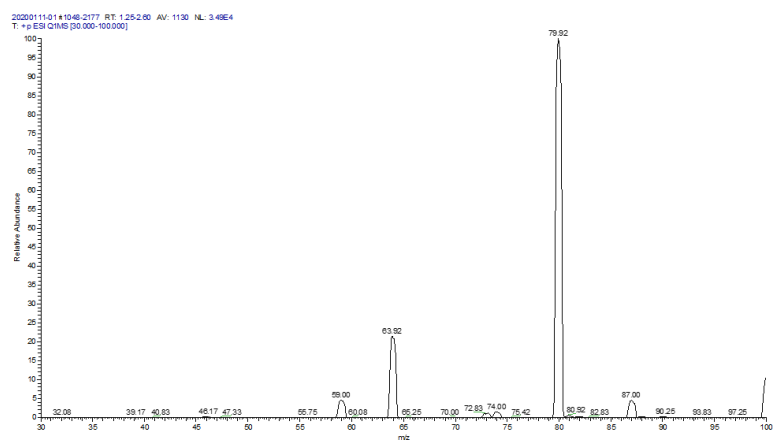


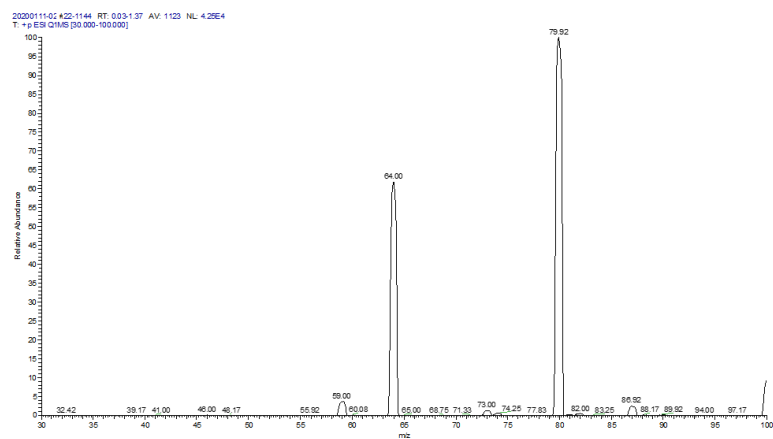
Figure S4. Adsorption capacity of SnO₂@MCR towards pyridine. Reaction conditions: 25 mg of photocatalyst; 50 mL of 100 μ g/g pyridine/octane solution.

(a)



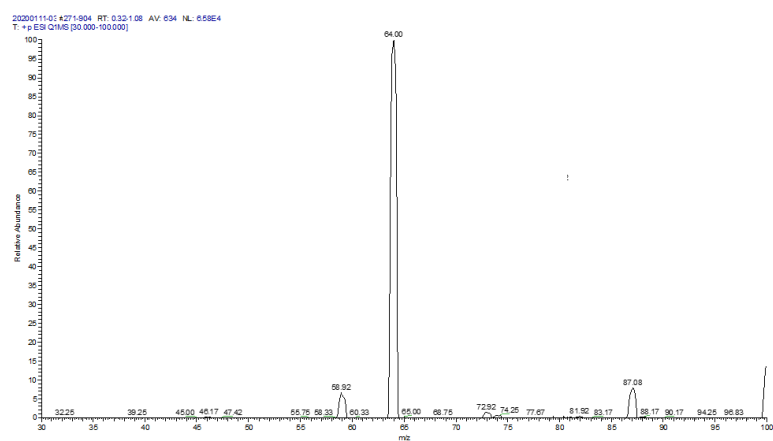
0 h

(b)



2 h

(c)



4 h

Figure S5. HPLC-MS spectrogram of pyridine degradation over 20%SnO₂@MCr composites at different reaction times: (a) 0 h, (b) 2.0 h, (c) 4.0 h.