

Supporting Information

Aim and Shoot: Molecule-Imprinting Polymer Coated MoO₃ for Selective SERS Detection and Photocatalytic Destruction of Low-Level Organic Contaminants

*Lingzhi, Wang, Yin Xu, Xianjun Tan, Sen Tapas, and Jinlong Zhang**

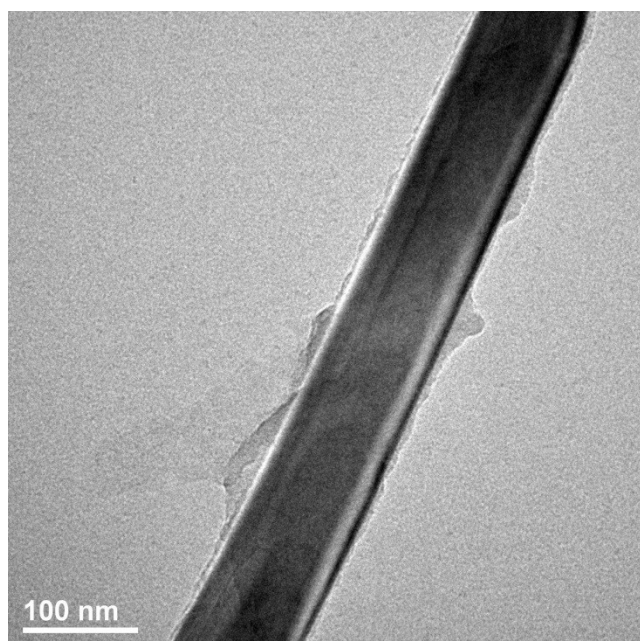


Fig S1. TEM images of MoO₃@MIPs prepared without HNO₃ pre-treatment.

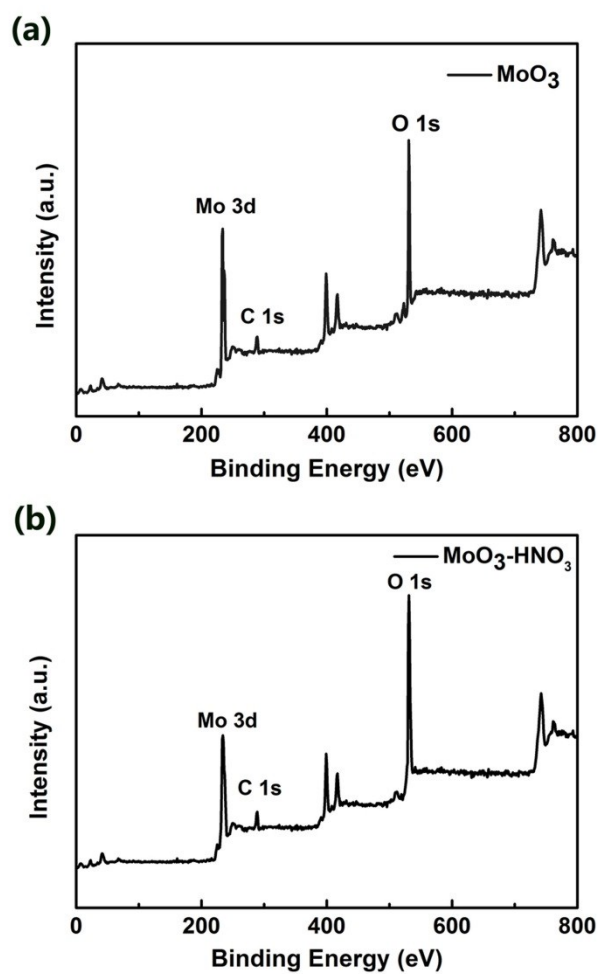


Fig S2. XPS spectra of MoO₃ nanorods before (a) and after treating with HNO₃ (b).

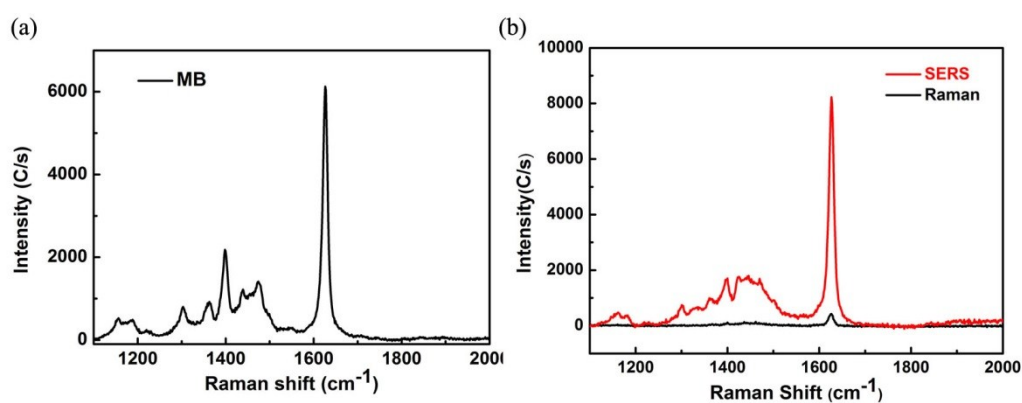


Figure S3. The standard curve of MB (a); SERS spectra of 10⁻⁵ M MB on MoO₃@MIPs substrate, and Raman spectra of 10⁻² M MB on glass slide (b).

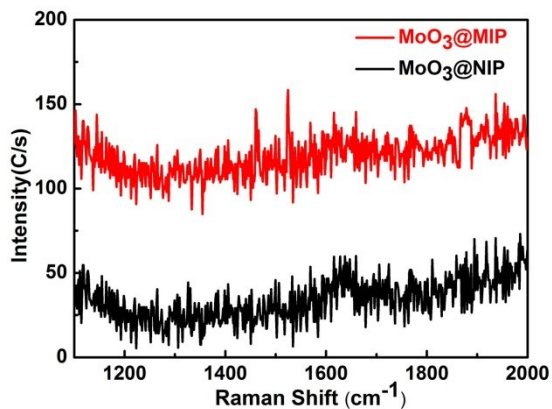


Fig S4. SERS spectra of 10^{-6} M CV on MoO₃@MIPs and MoO₃@NIPs.

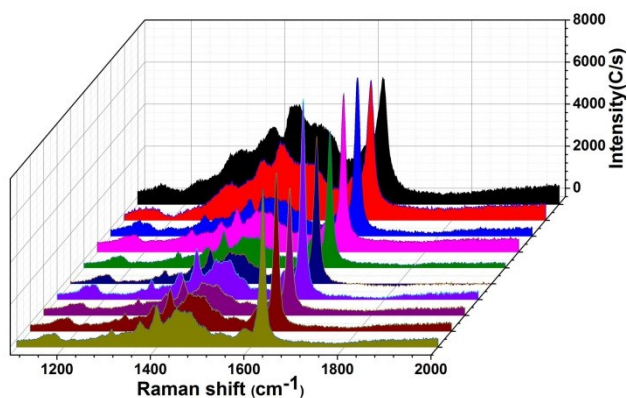


Fig S5. SERS spectra of 10^{-5} M MB/CV mixture obtained from 10 different sites on the same substrate.

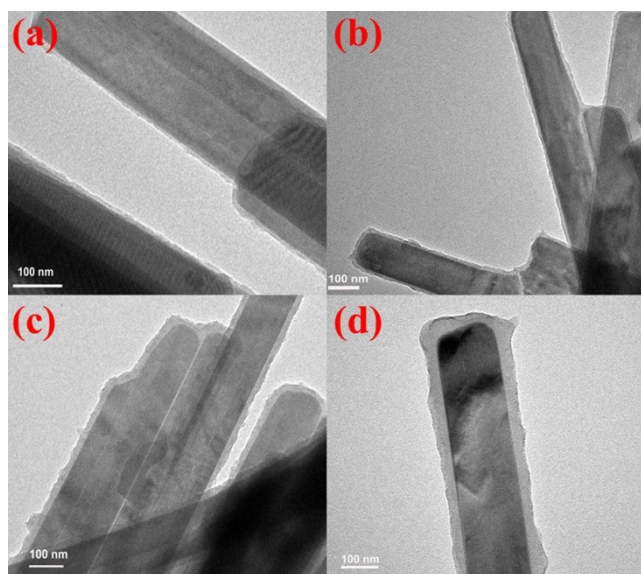


Fig S6. TEM micrographs of MoO₃@MIPs with different thickness of molecularly imprinted polymers layer.