Electronic Supplementary Information

Preparation and adsorption capacity of porous MoS₂ nanosheets

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<u>XRD</u>

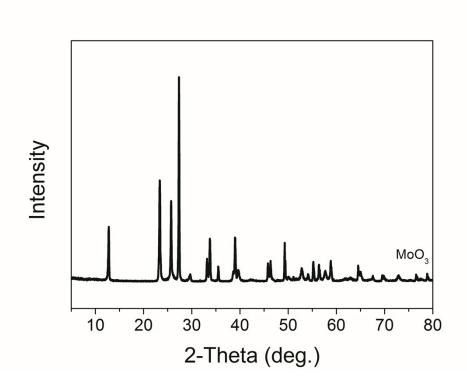
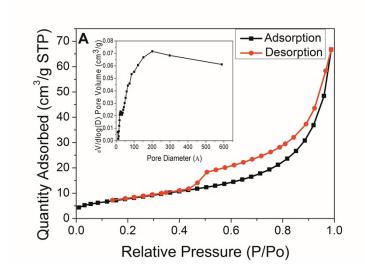
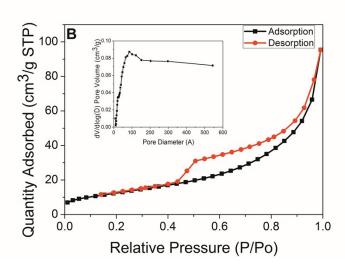


Fig. S1 XRD pattern of MoO₃

BET measurements





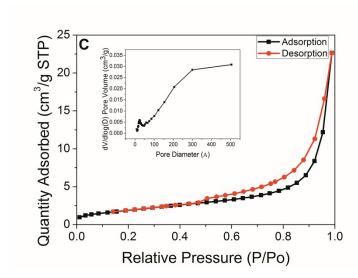


Fig. S2 Nitrogen adsorption-desorption curve of MS-1 (A), MS-2 (B) and MS-4 (C); pore size distribution curve (inset)

EDS pattern

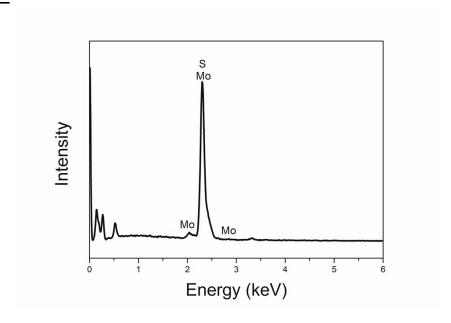


Fig. S3 EDS pattern of MS-3 sample

FT-IR spectra

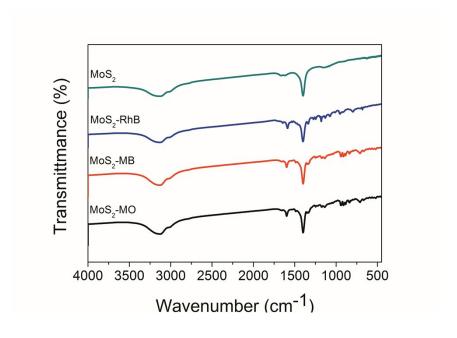


Fig. S4 FT-IR spectra of MS-3 sample before and after adsorption