

Supplementary Materials: Fabrication of Ultrathin MoS₂ Nanosheets and Application on Adsorption of Organic Pollutants and Heavy Metals

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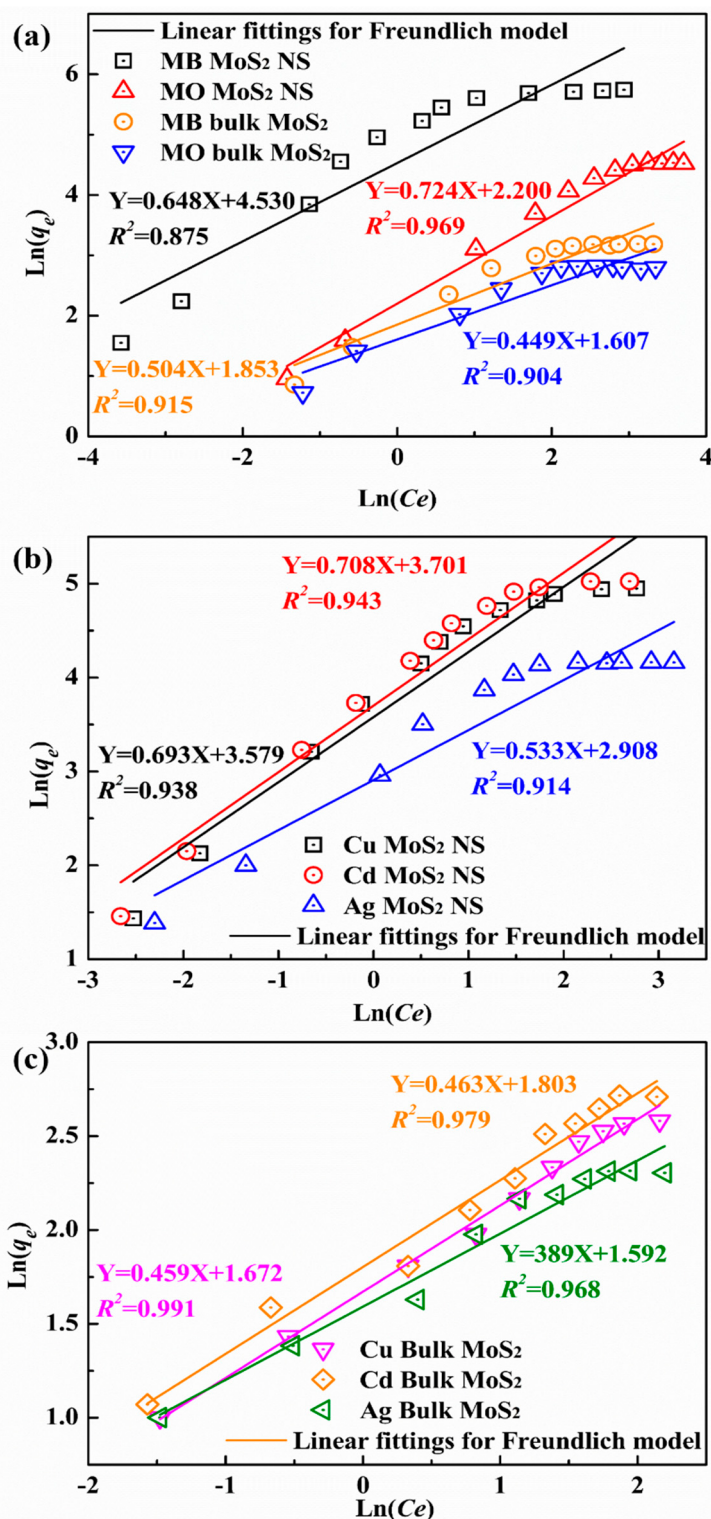


Figure S1. Linear fittings of dyes adsorption (a) and heavy metals (b and c) over bulk MoS₂ and MoS₂ NS with the Freundlich model.

Table S1 Adsorption kinetics parameters of dyes and heavy metals adsorption over MoS₂ NS

Samples	Targets	Pseudo-first-order model		Pseudo-second-order model	
		k_1	R^2	k_2	R^2
Dyes	MB	0.0423	0.9164	0.0042	0.9901
	MO	0.0398	0.9524	0.0121	0.9954
Heavy metals	Ag ⁺	0.0398	0.9524	0.0136	0.9954
	Cd ²⁺	0.0390	0.9584	0.0075	0.9958
	Cu ²⁺	0.0400	0.9610	0.0078	0.9945