Electronic Supplementary Material (ESI) for Inorganic Chemistry Frontiers.

A facile dip-coating method for the preparation of separable MoS_2 sponges and their high-efficient adsorption behaviors of Rhodamine B

Supporting Information

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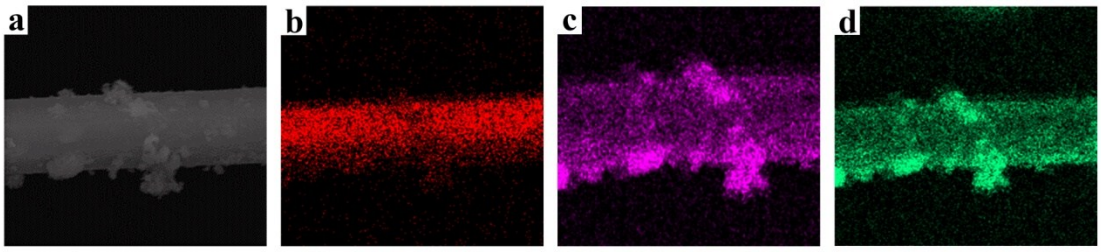

Figure S1. EDS mapping of the distribution of the (b) N element, (c) Mo element and (d) S element on the surface of MoS_2 sponge (a).

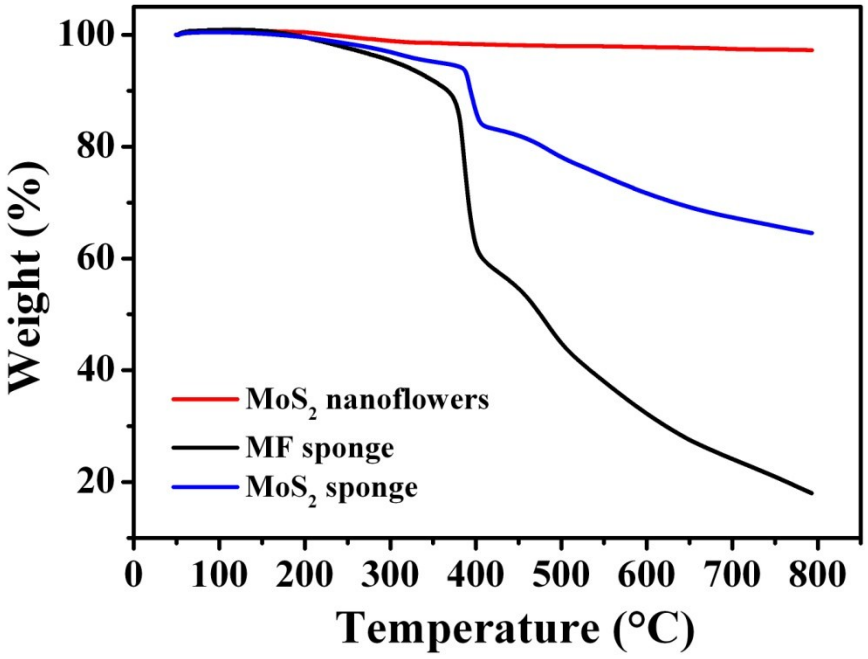

Figure S2. TG curves of MoS_2 nanoflowers, MF sponge and MoS_2 sponge.

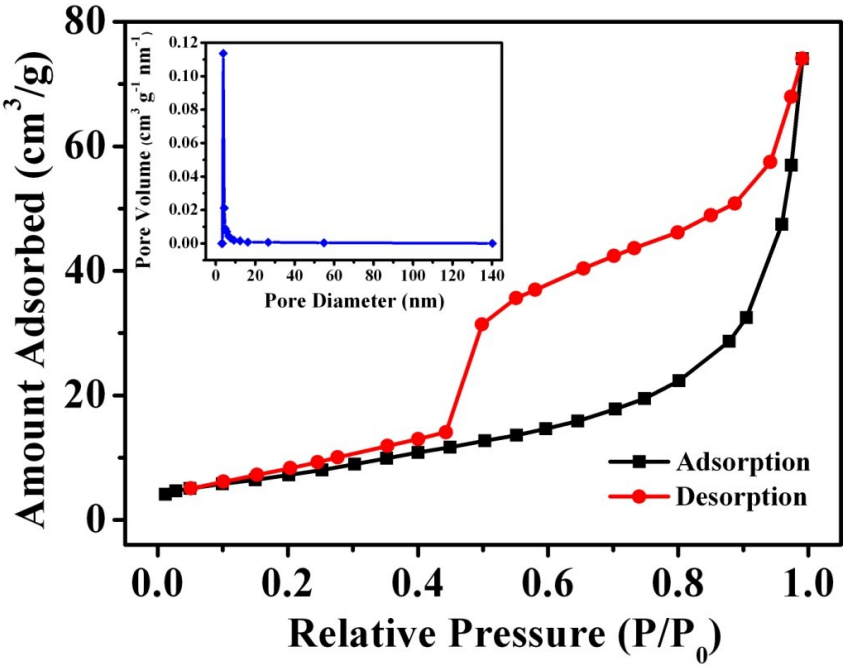

Figure S3. Nitrogen adsorption-desorption isotherms and pore size distribution (inset) of MoS_2 nanoflowers.

Table S1. The experimental zeta potential data of MoS_2 nanoflowers.

Experimental zeta potential/mV	Average zeta potential/mV
-20.51	-21.0
-21.62	
-21.21	
-20.10	
-21.56	

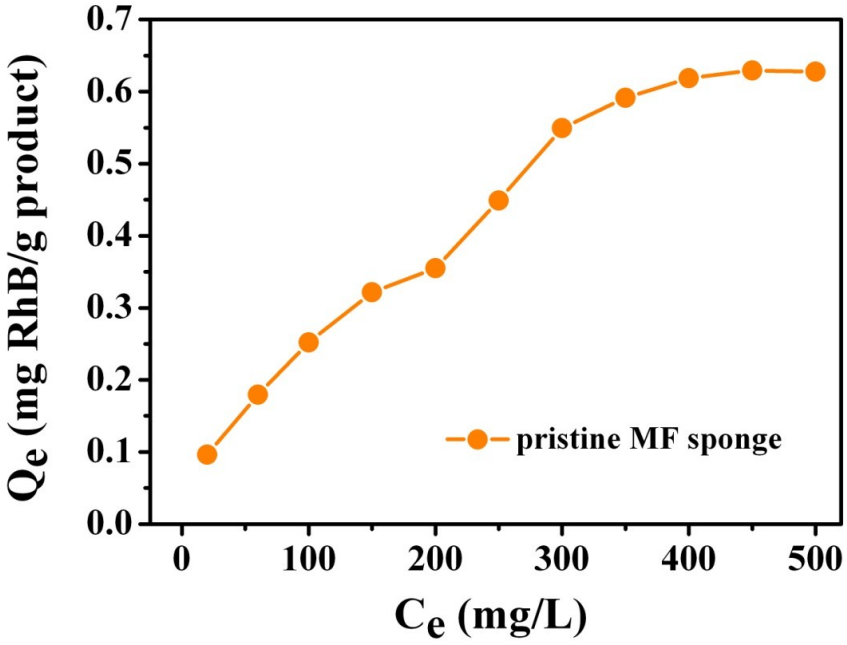

Figure S4. Adsorption isotherms of RhB onto the pristine MF sponges.