Supporting information

A Comparative Study on the Photocatalytic Degradation of Organic Dyes using Hybridized 1T/2H, 1T/3R and 2H MoS₂ Nano-sheets

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Fig. SI. 1. (a) XRD pattern indexed with 2H, (b) XPS spectra of S5 indicating 65% 1T phase (molar ratio 1:5, filling ratio 75%, T=200 °C)

Fig. SI. 2. Photocatalytic activity of S5 at different pH values (indicating 60% degradation efficiency at pH7 and 85% at pH2)
Fig. SI. 3. (a) Photocatalytic activity of S1 after thermal treatment at 800 °C in an Ar atmosphere for 2 h, (b) UV-vis spectra showing characteristic bands for 2H phase.

Fig. SI. 4. Removal efficiency of MO onto S1 after four successive cycles.