Electronic Supplementary Material (ESI) for RSC Advances.

Electronic Supporting Information

A facile one-step method to produce MoS_2 quantum dots as promising bio-imaging materials

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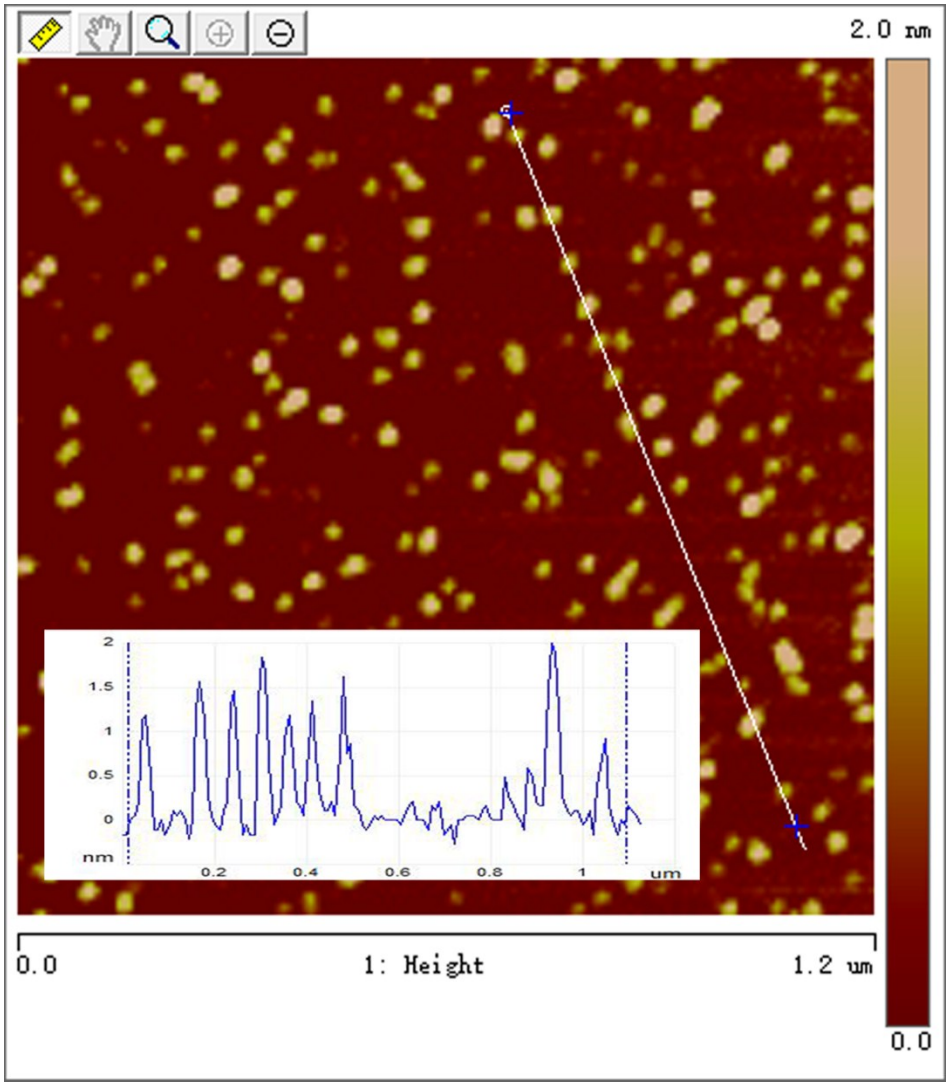

Fig. S1 AFM image of the MoS_2 QDs. Inset: height profile along the white line corresponding to the AFM image.

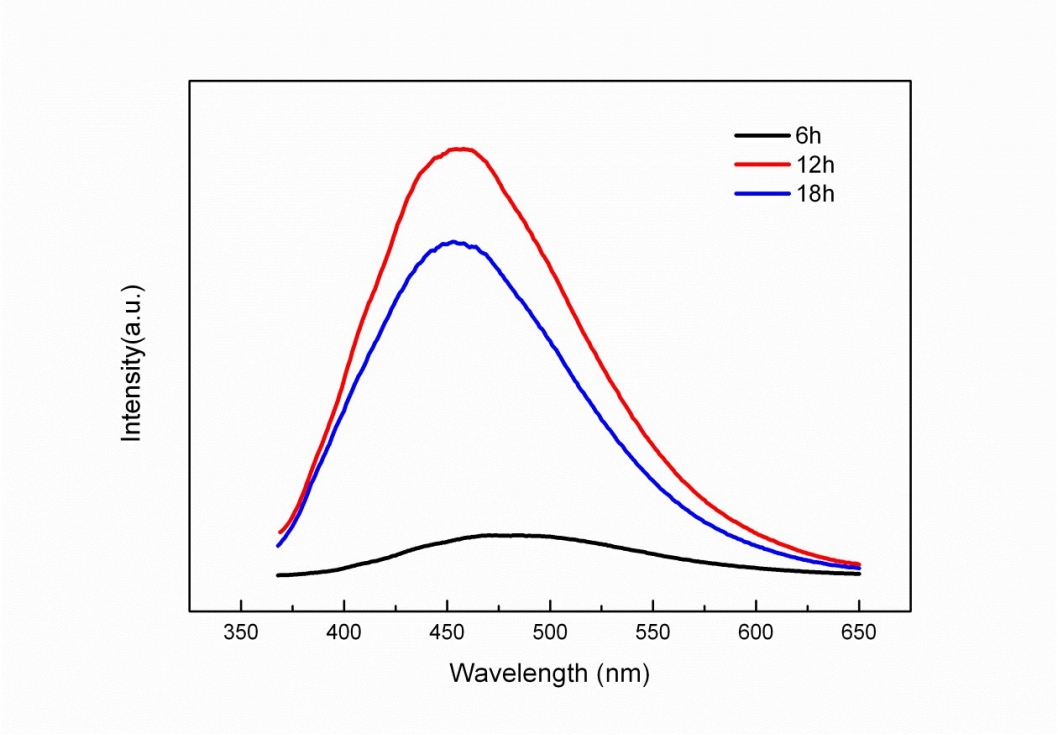

Fig. S2 Comparison of the PL spectra of MoS_2 QDs prepared at different reaction time using the excitation wavelength of 360 nm (The reaction temperature was 180 °C, the amount of NaOH was 45 mg).

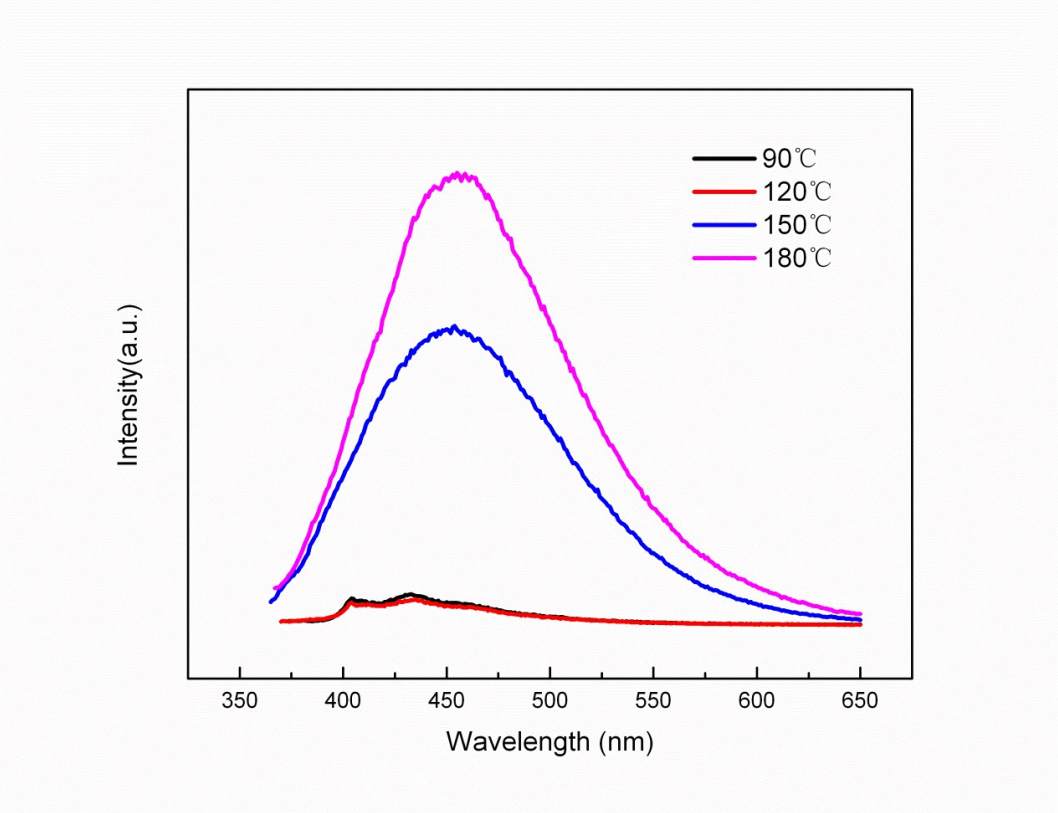

Fig. S3 Comparison of PL spectra of MoS_2 QDs prepared at different temperatures using the excitation wavelength of 360 nm (The reaction time was 12 h, the amount of NaOH was 45 mg).

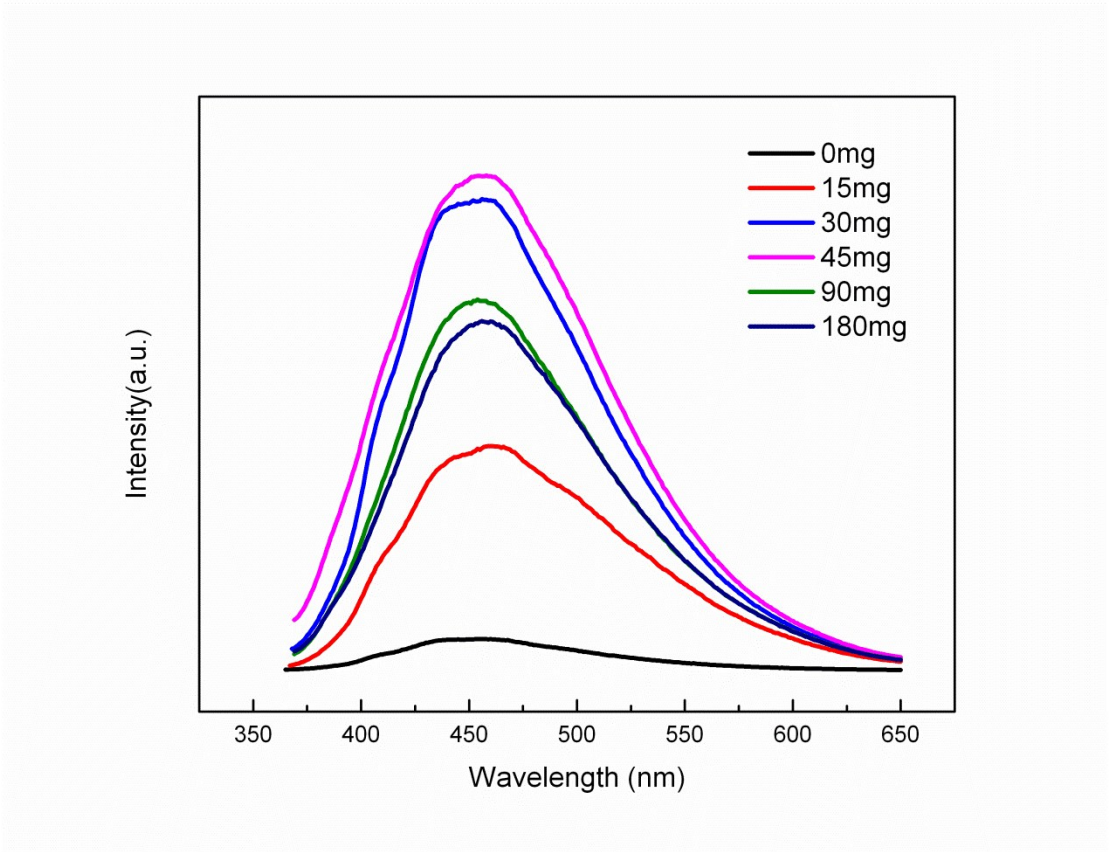

Fig. S4 Comparison of PL spectra of MoS_2 QDs prepared with the addition of different amount of NaOH using the excitation wavelength of 360 nm (The reaction temperature was 180 °C, the reaction time was 12 h).