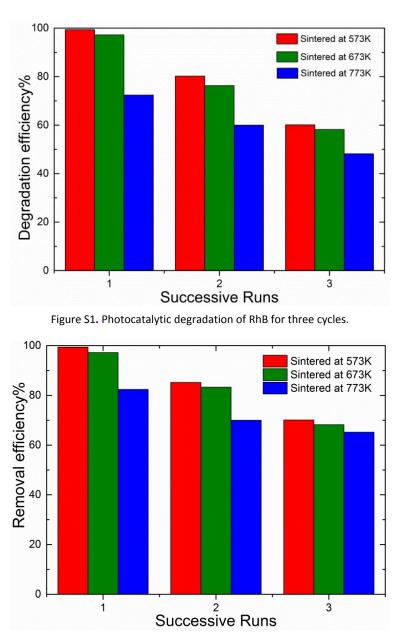
XPS and Raman study of the active-sites on Molybdenum disulfide

nanopetals for Photocatalytic removal of Rhodamine B and



Doxycycline Hydrochlride

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Figure S2. Photocatalytic removal of DCHC for three cycles.

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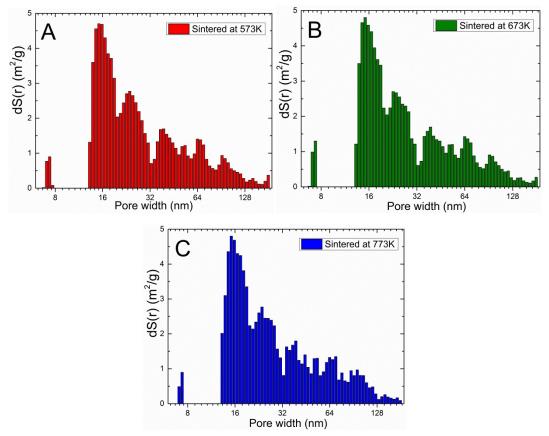


Figure S3. Pore diameter distribution of different MoS_2 nanopetals

Table S1. BET specific surface area of different samples.

Sample	Pore volume	BET specic	Half pore	Fitting
	(cm ³ /g)	surface(m ² /g)	width(nm)	error
sintered at 573K	0.845	141.974	66.883	1.353 %
sintered at 673K	0.839	140.112	68.256	1.412 %
sintered at 773K	0.840	140.534	69.923	1.580 %

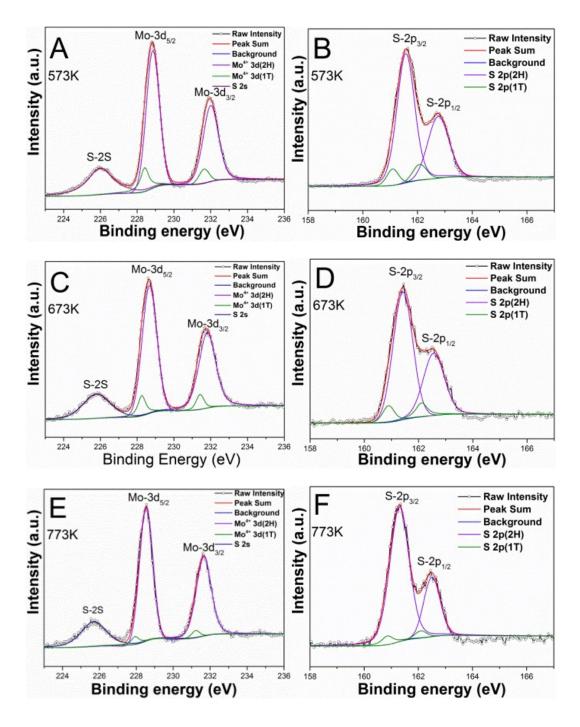


Figure S4. High-resolution XPS spectra of Mo-3d (A, C, E) and S-2p (B, D, F)