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# Highly Boosted Energy Storage Performance of Few-Layered $MoS_2$ Utilized by Improved Electrode Fabrication: Experimental and Theoretical Studies

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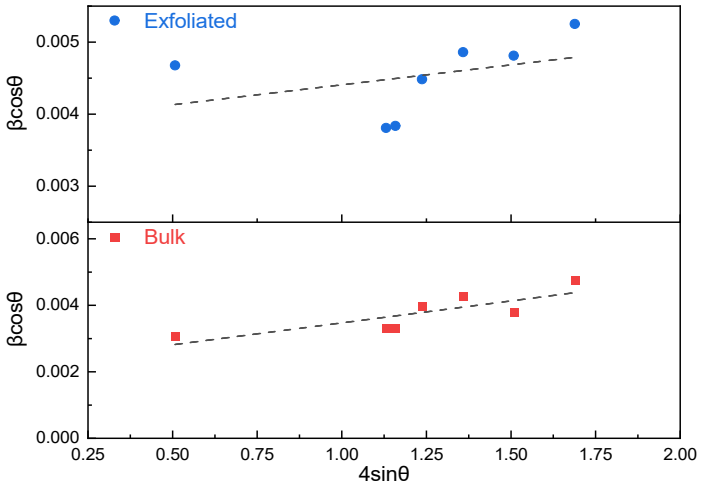


Figure S1 Williamson-Hall plot of bulk and exfoliated $MoS_2$.

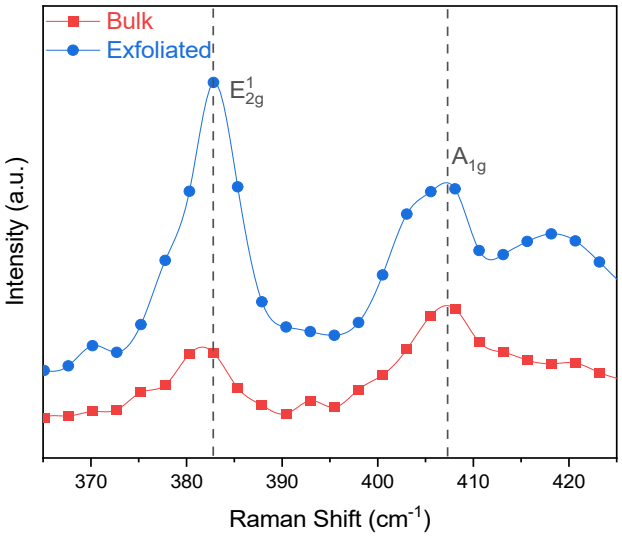


Figure S2 Raman spectrum of bulk and exfoliated $MoS_2$.

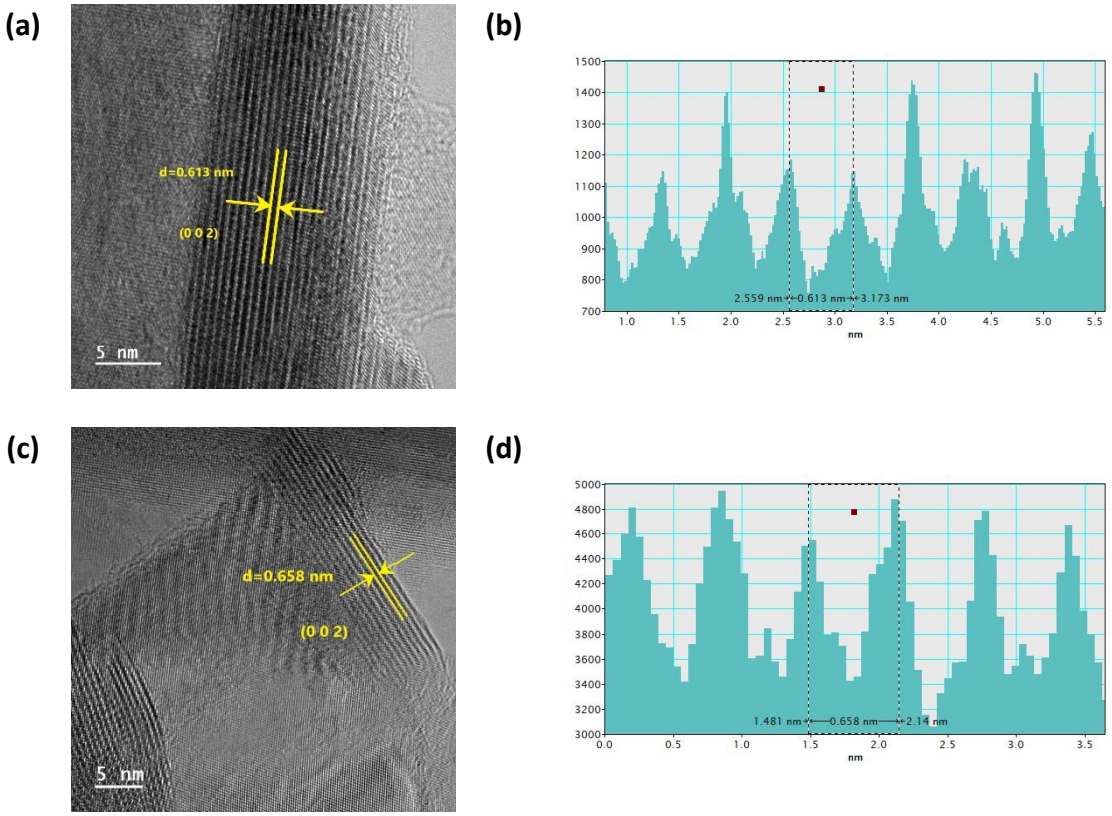


Figure S3 HRTEM and live profile of (a,b) bulk and (c,d) exfoliated $MoS_2$, respectively.

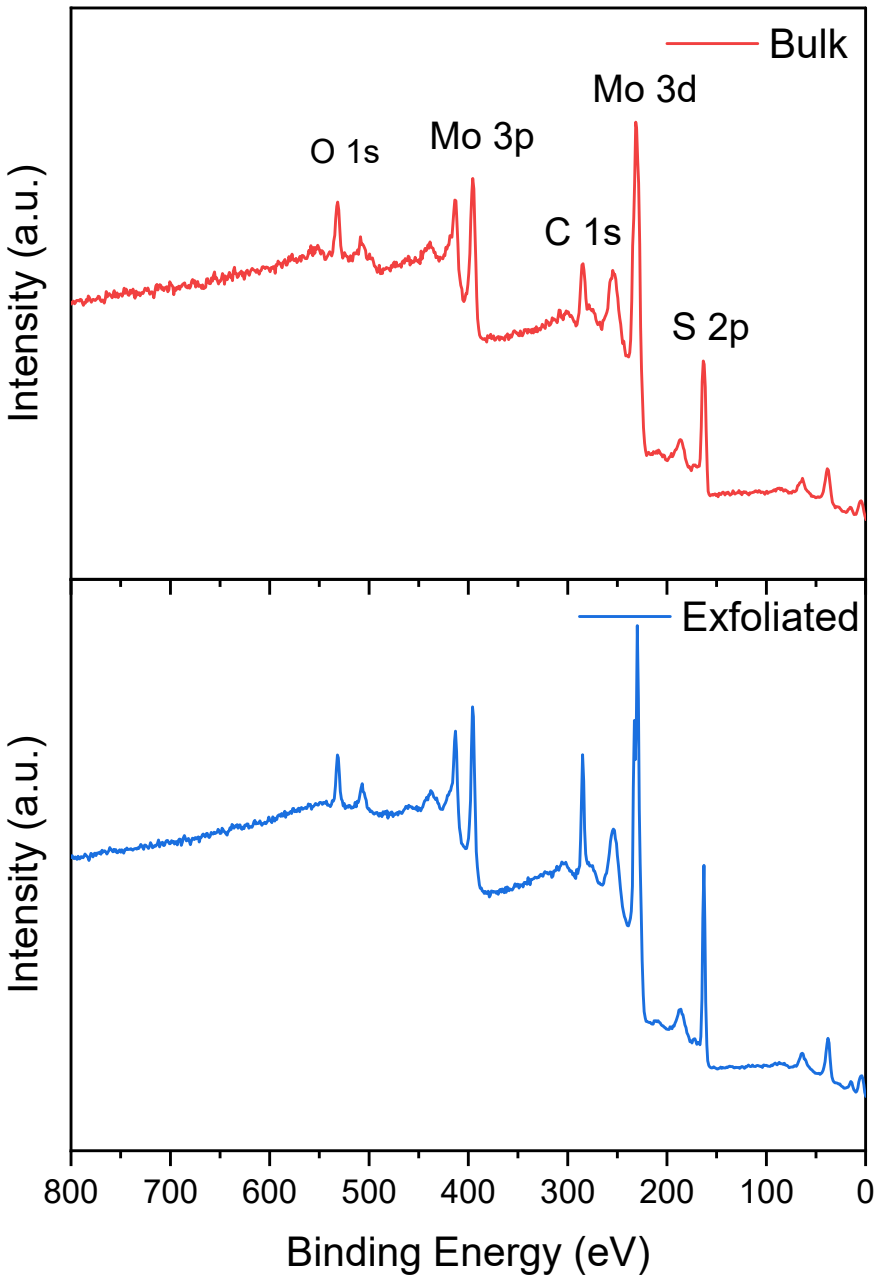


Figure S4 XPS survey spectra of bulk and exfoliated $MoS_2$.

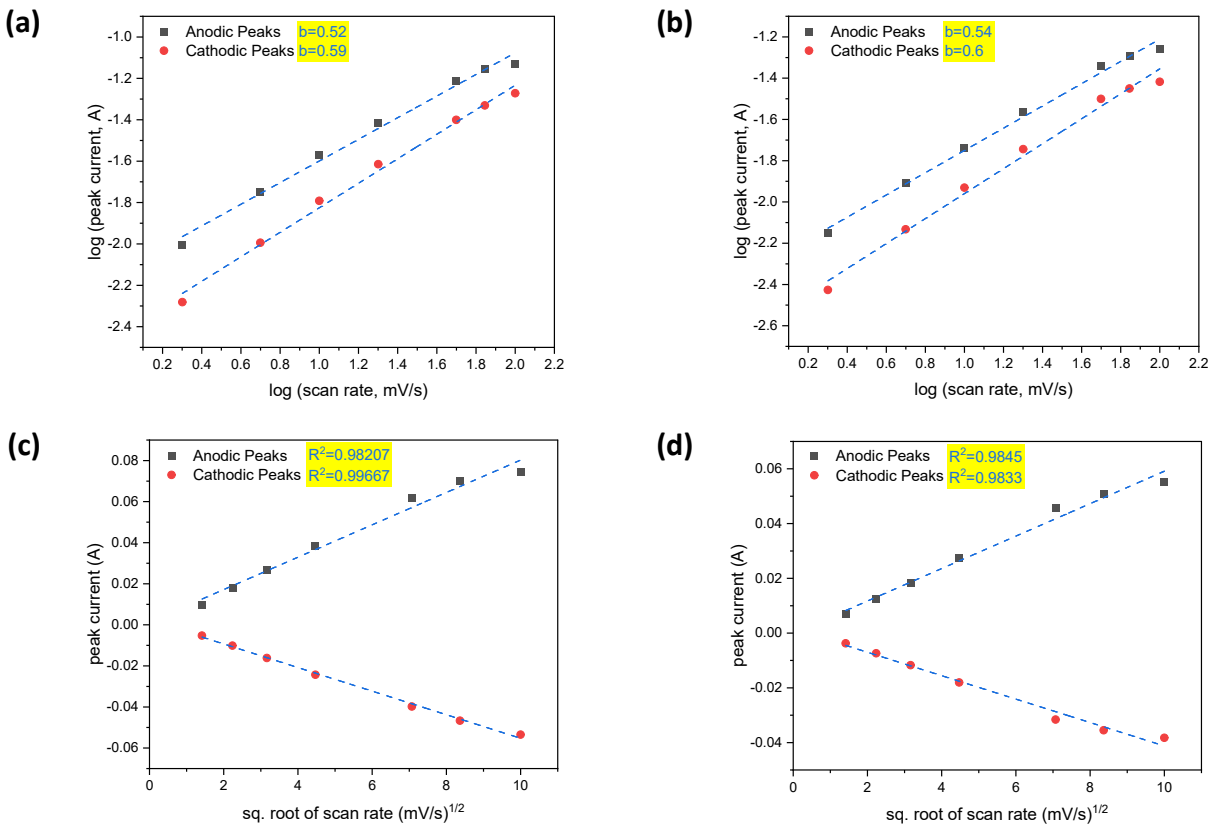


Figure S5 (a,b) log peak current vs. log scan rate and (c,d) peak current vs. square root of scan rate for bulk and exfoliated $MoS_2$, respectively.

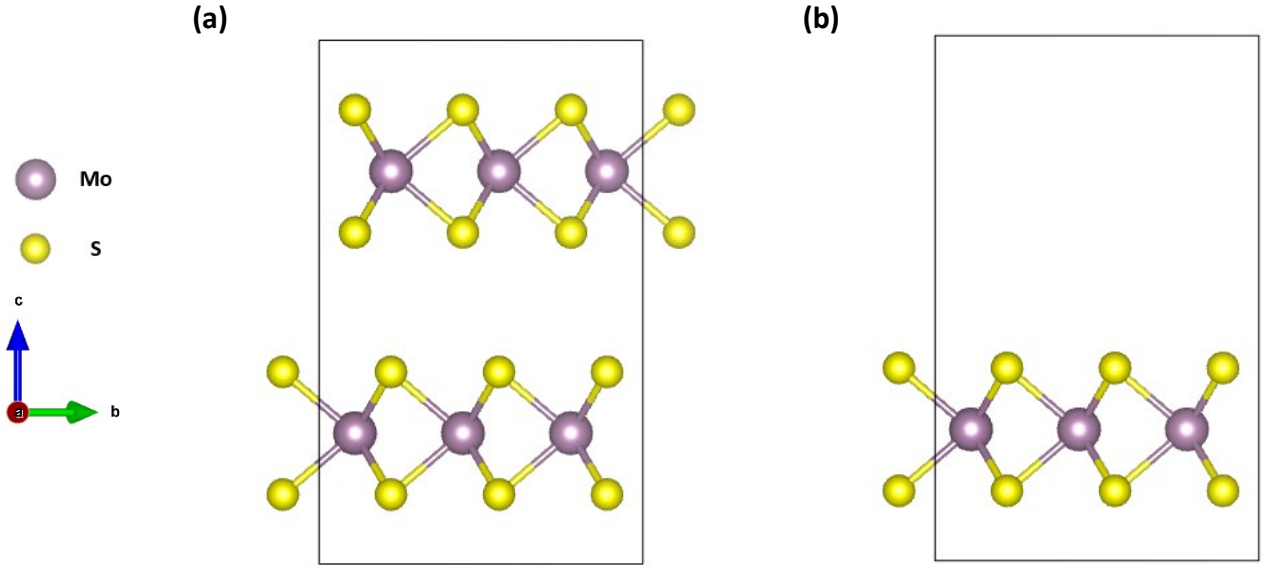


Figure S6 Optimized crystal structure of 2H-$MoS_2$ (a) bulk and (b) monolayer.