## **Supporting Information**

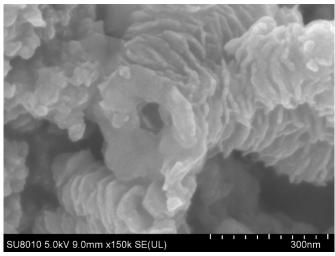


Fig.S1 SEM image of MoS<sub>2</sub>-CA(0.02) with hole

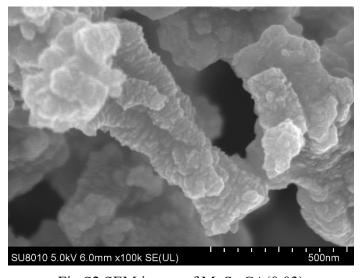


Fig.S2 SEM image of MoS<sub>2</sub>-CA(0.03)

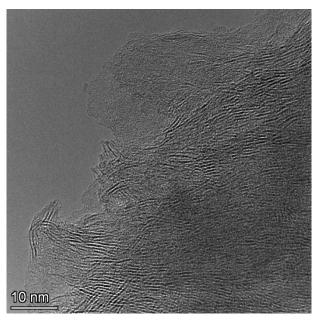


Fig.S3 TEM image of MoS<sub>2</sub>-CA(0.02)