

Article

Formation of Yolk–Shell MoS_2 @void@Aluminosilica Microspheres with Enhanced Electrocatalytic Activity for Hydrogen Evolution Reaction

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Supplementary Materials

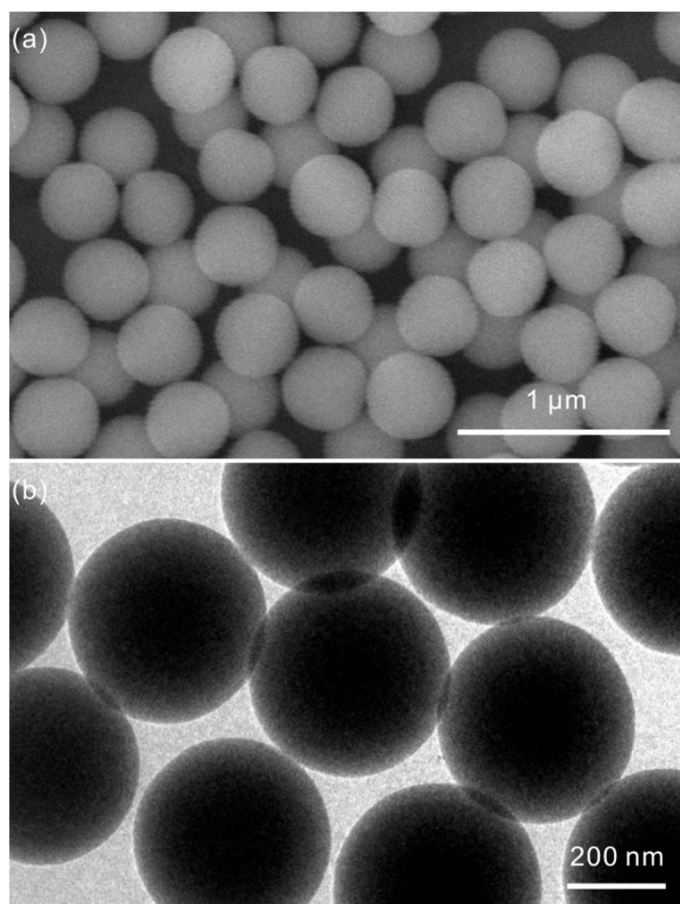


Figure S1. SEM (a) and TEM (b) images of SiO_2 microspheres.

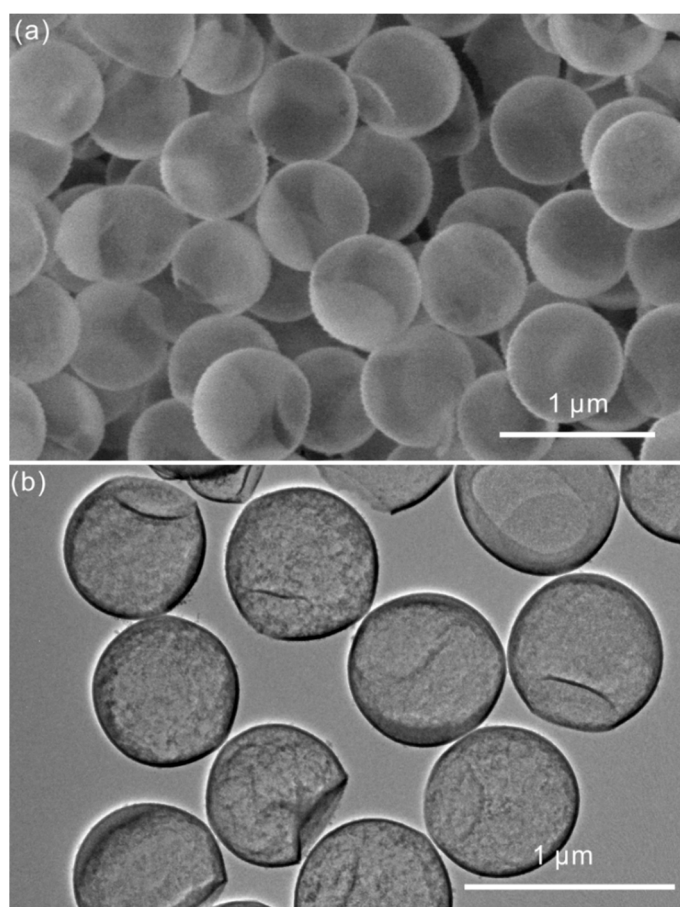


Figure S2. SEM (a) and TEM (b) images of hollow aluminosilica microspheres.

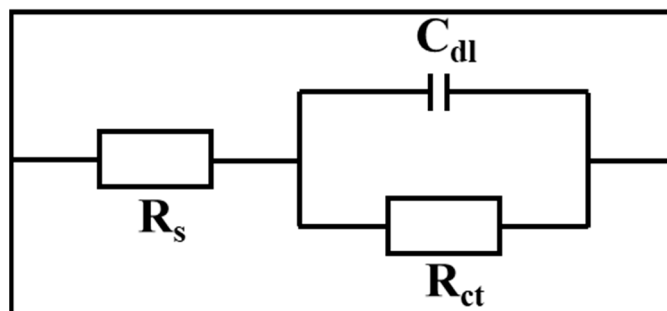


Figure S3. Equivalent circuit diagram (R_s is the solution resistance; C_{dl} is the double layer capacitance; R_{ct} is the charge transfer resistance).

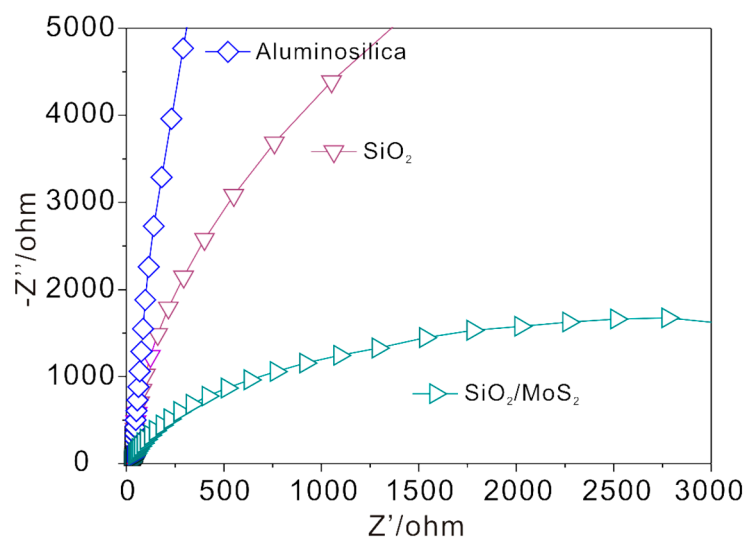


Figure S4. Electrochemical impedance spectroscopy of the SiO₂ microspheres, the hollow aluminosilica microspheres, and the MoS₂@SiO₂ microspheres.

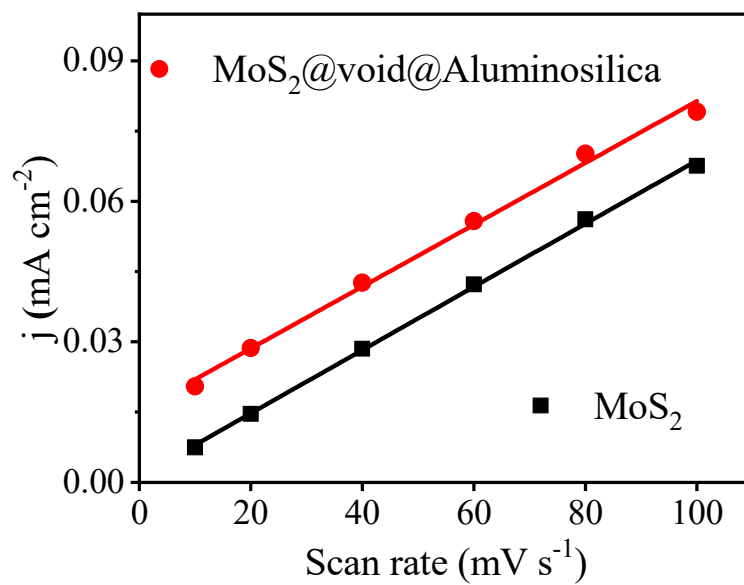


Figure S5. Plots of the double-layer capacitances of MoS₂ and MoS₂@void@Aluminosilica.