

Electronic Supplementary Information

MoS₂ nanotubes loaded with TiO₂ nanoparticles for enhanced electrocatalytic hydrogen evolution

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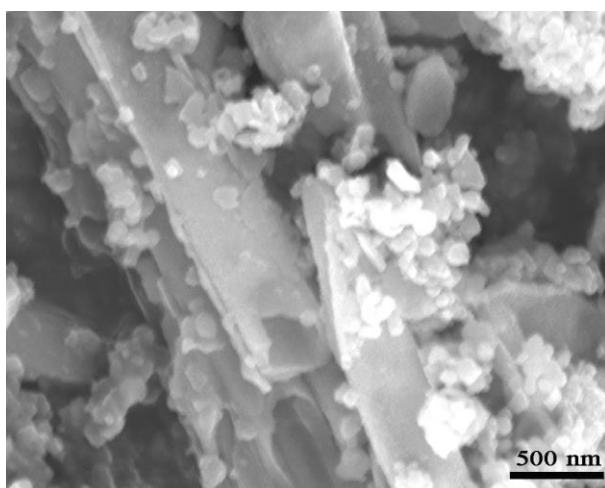


Figure S1. SEM image of TiO₂/MoS₂-NTs

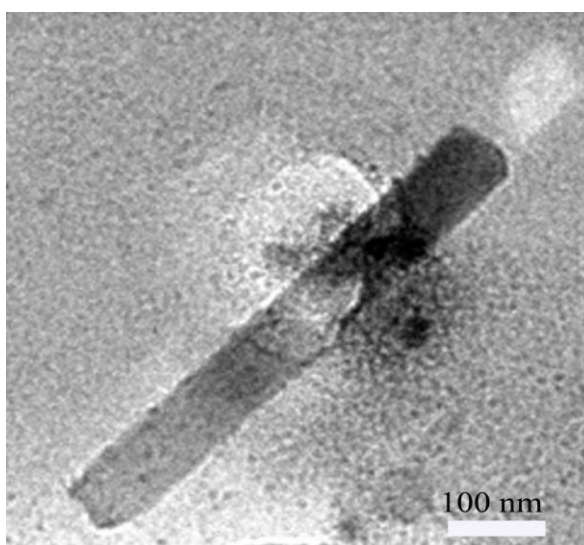


Figure S2. TEM image of naked MoS₂-NTs

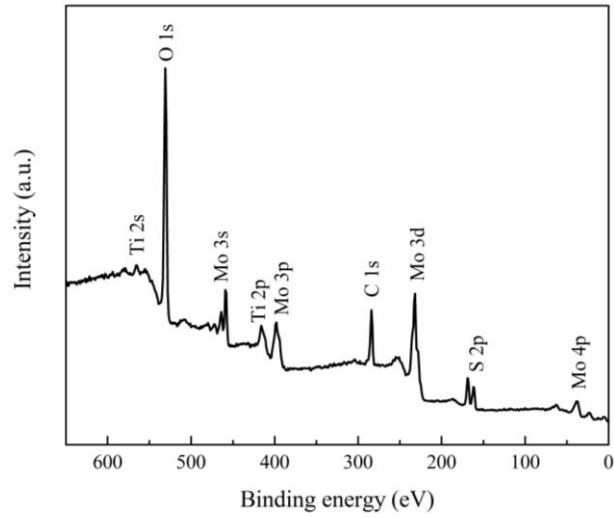


Figure S3. XPS survey spectrum of $\text{TiO}_2/\text{MoS}_2\text{-NTs}$

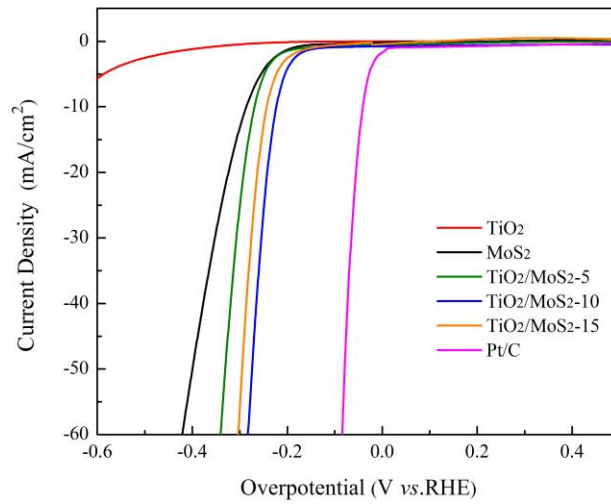


Figure S4. LSV polarization curves of different catalysts in 0.5 M H_2SO_4 solution

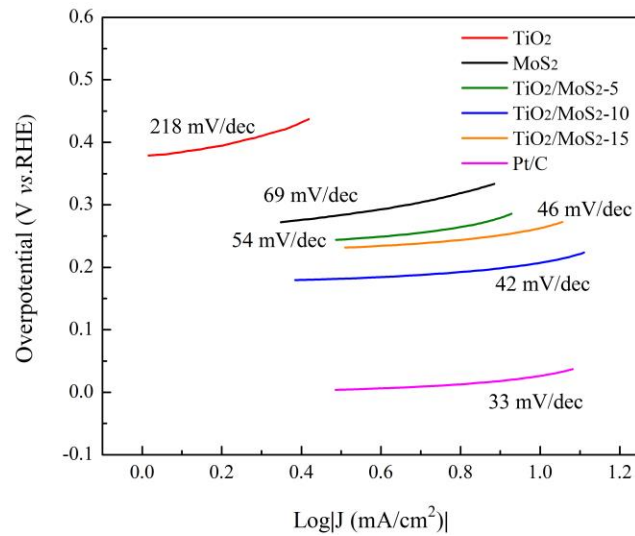


Figure S5. The Tafel curves of different catalysts in 0.5 M H_2SO_4 solution

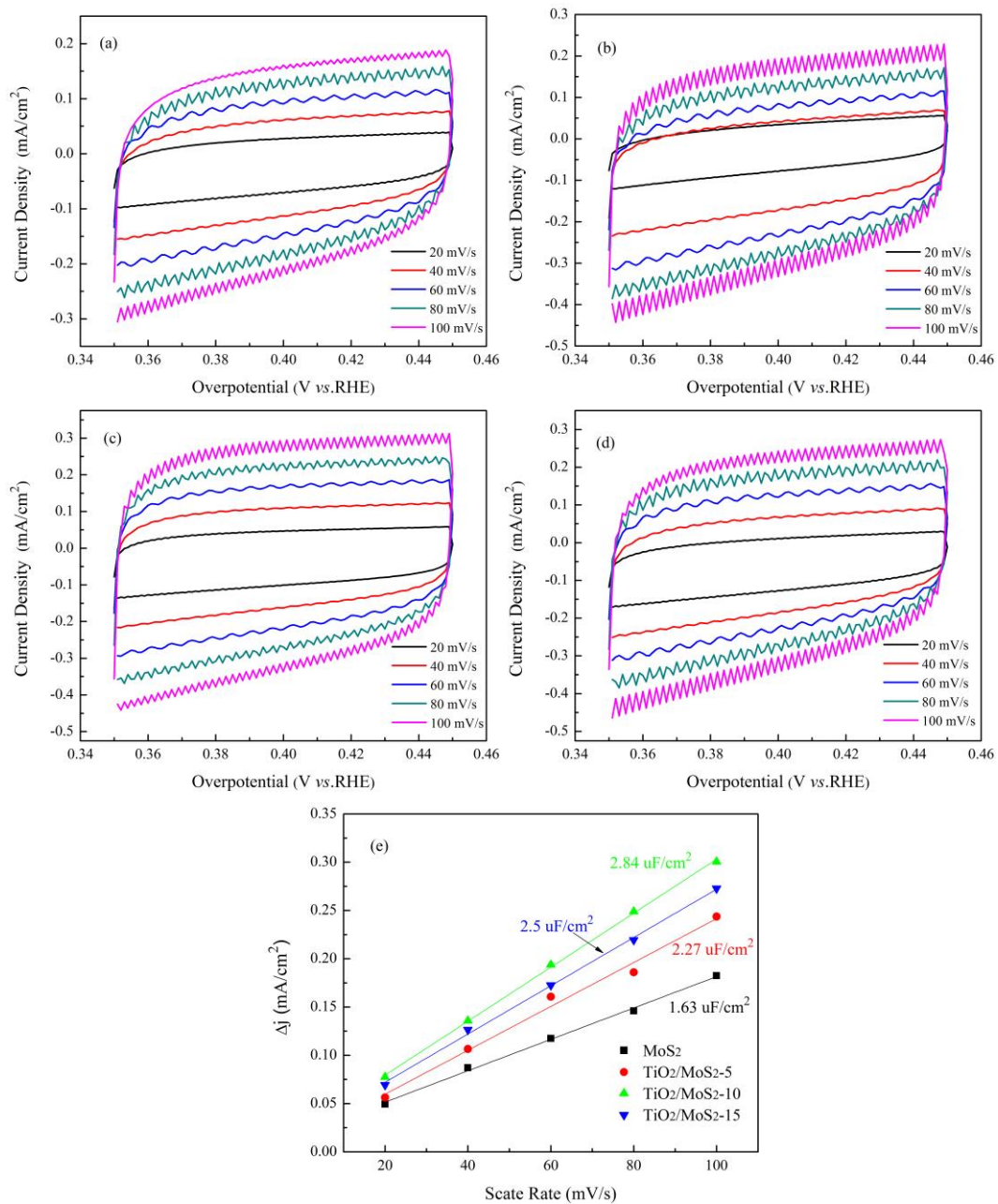


Figure S6. CV curves of (a) MoS₂ nanotube, (b) TiO₂/MoS₂, (c) TiO₂/MoS₂-5, (d) TiO₂/MoS₂-10 and (e) Linear fitting of the capacitive current densities versus scanning rates