

Supporting Information

High electron transfer of TiO₂ nanorods@carbon layers supported flower-like WS₂ nanosheets for triiodide electrocatalytic reduction

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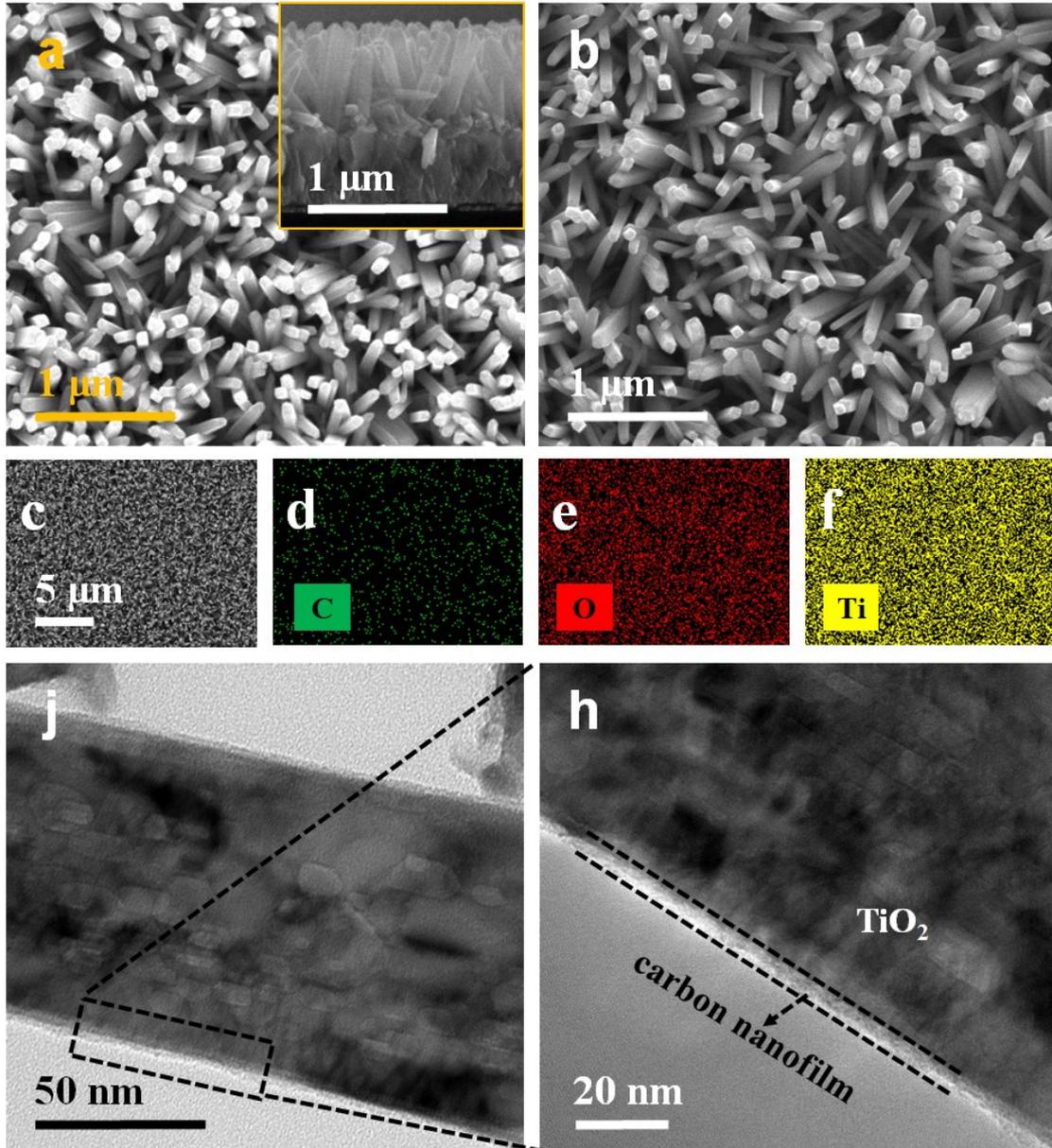


Figure S1. (a) SEM images of the TNRs (Inset: the cross-sectional view image). (b) SEM image of the TNRs@C. (c): STEM image and EDS elemental mapping of (d) carbon, (e) oxygen and (f) titanium elements in TNRs@C. (j) TEM image of TNRs@C. (h) HR-TEM image of TNRs@C.

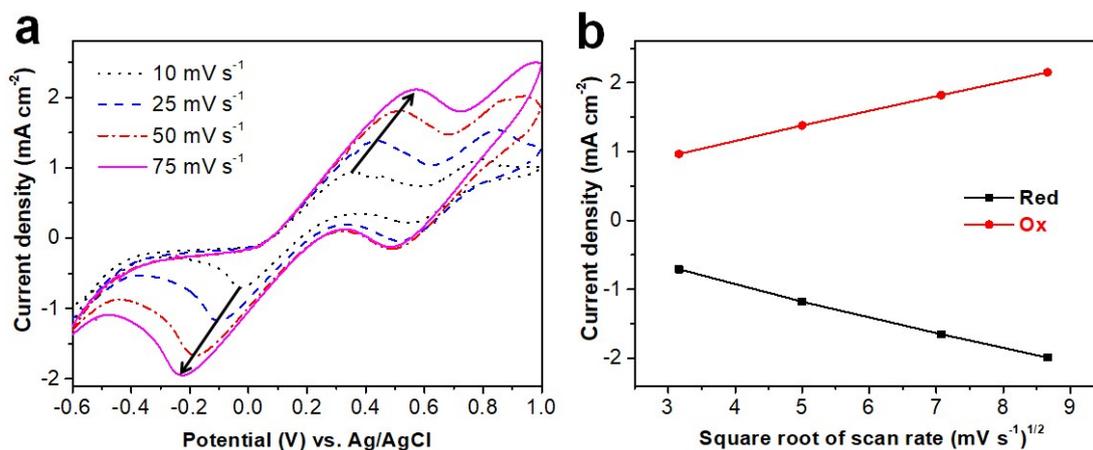


Figure S2. (a) CV curves of TNRs@C@WS₂ at various scan rates. (b) Relationship between square root of scan rate and peak current densities of TNRs@C@WS₂.

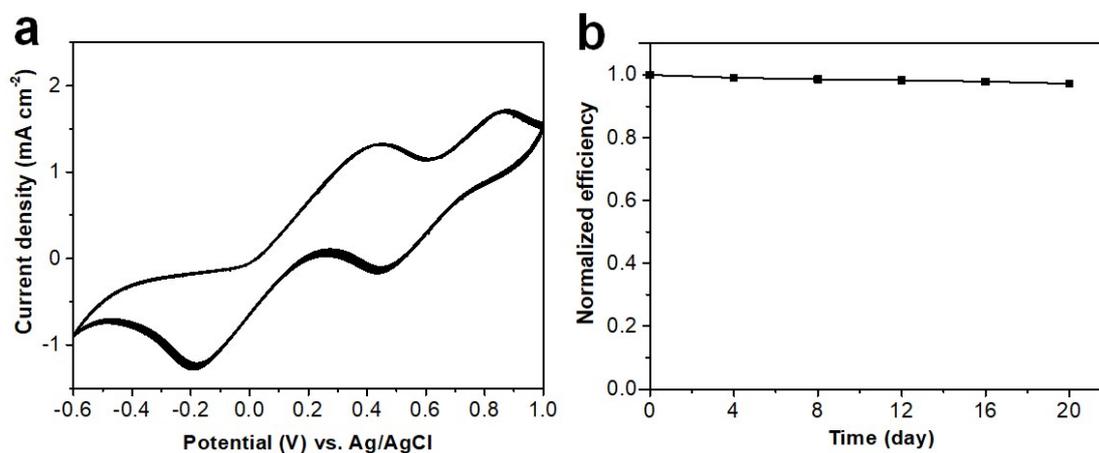


Figure S3. Stability test of TNRs@C@WS₂: (a) 20 consecutive CV curves of TNRs@C@WS₂ for the iodide/triiodide redox couple in the electrolyte (scanning rate: 50 mV s⁻¹). (b) TNRs@C@WS₂ based DSSCs tested for 20 days.