Electronic Supplementary Material (ESI) for Physical Chemistry Chemical Physics.

Supporting Information

Te-doped-WSe_2/W as a Stable Monolith Catalyst for Ampere-Level Current Density Hydrogen Evolution Reaction

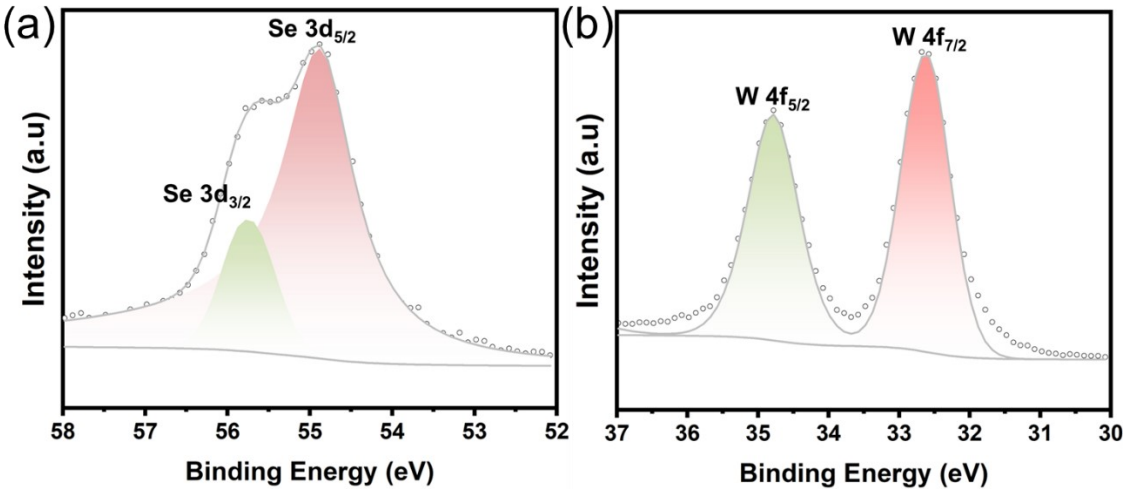

Figure S1 XPS spectra of WSe_2 showing the signals of (a) Se 3d, (b) W 4f.

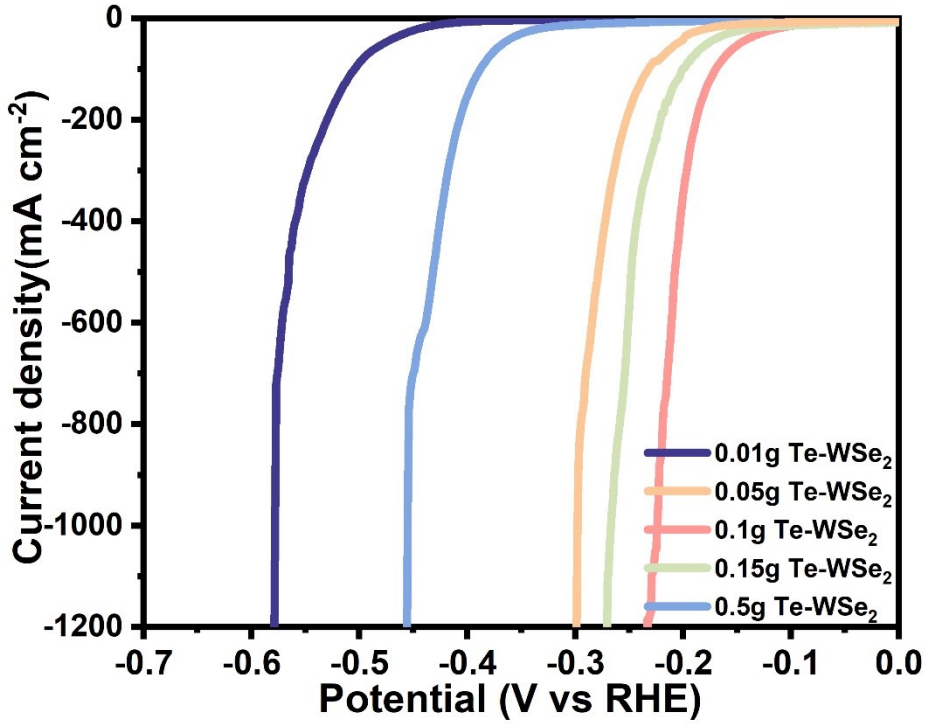

Figure S2 The polarization curves of Te-WSe_2 obtained by using different quantity of Te reactant.

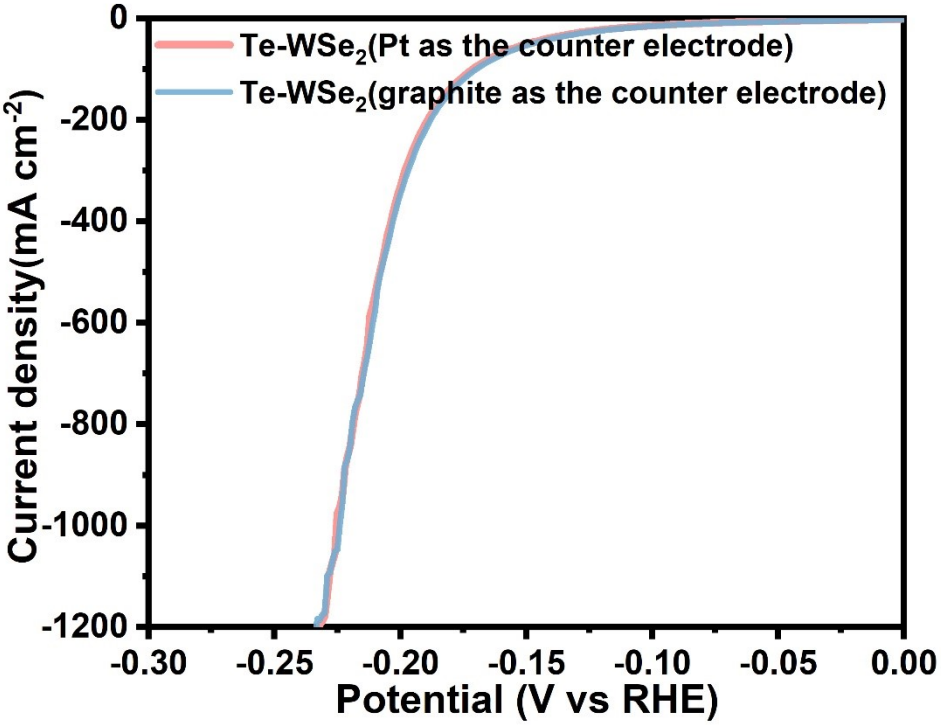

Figure S3 The polarization curves of Te-WSe_2 tested with different electrodes.

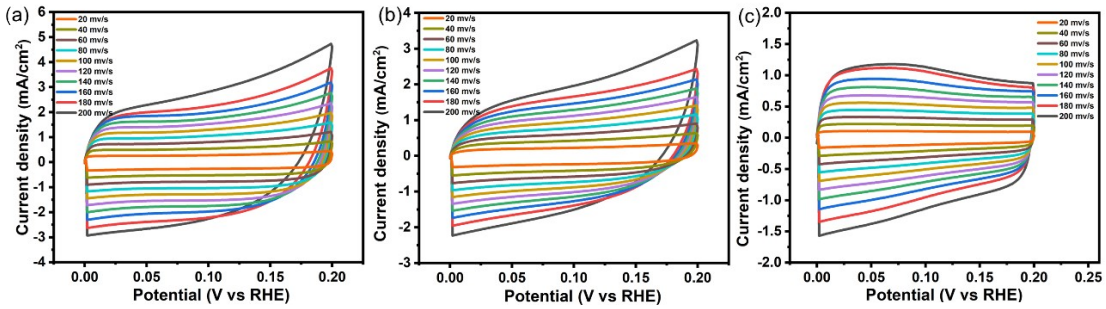

Figure S4 CV curves of Te-WSe_2 (a), WTe_2 (b) and WSe_2 (c) at various scan rates (20 mV s^{-1}, 40 mV s^{-1}, 60 mV s^{-1}, 80 mV s^{-1}, 100 mV s^{-1}, 120 mV s^{-1}, 140 mV s^{-1}, 160 mV s^{-1}, 180 mV s^{-1}, 200 mV s^{-1}) in the potential range of 0~ 0.2 (vs RHE).

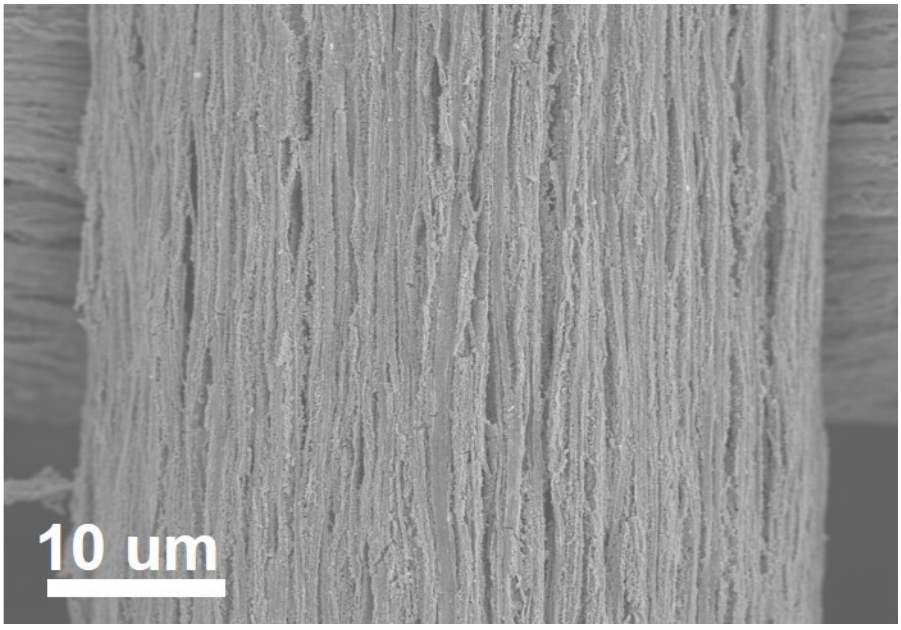

Figure S5 SEM image of the Te-WSe_2 after CP test.

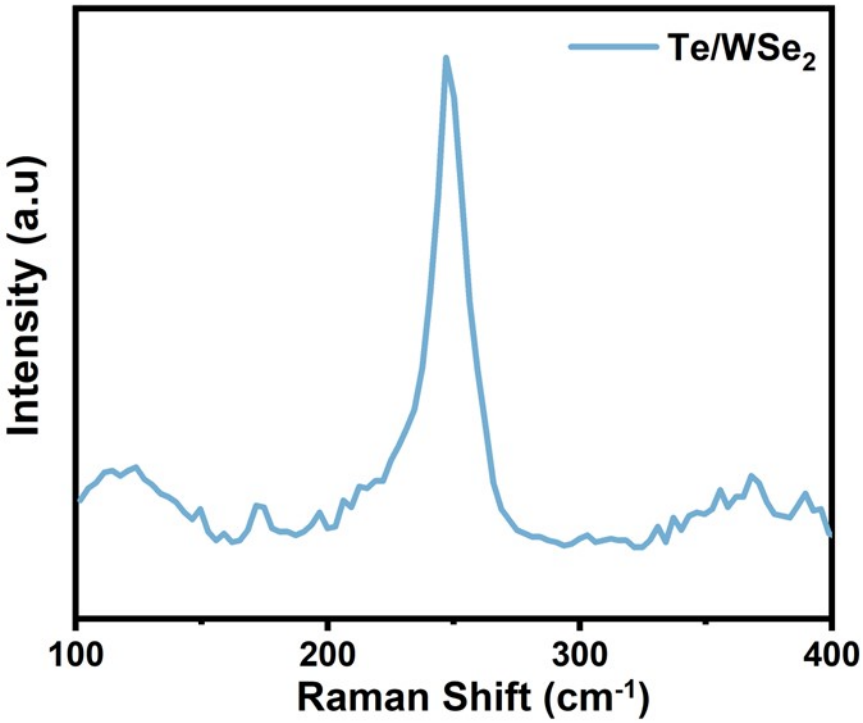

Figure S6 Raman scattering spectra of the Te-WSe_2 after CP test.