

Figure S1. The schematic diagram of pressing process.

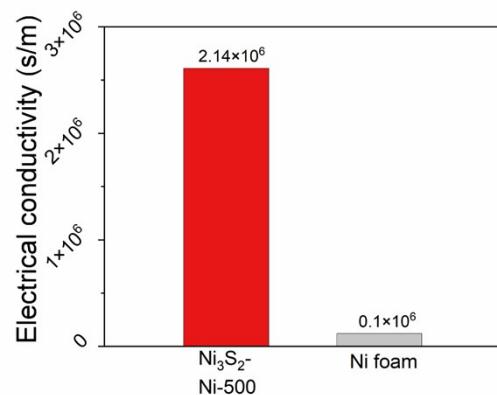


Figure S2. The comparison of the electrical conductivity of different electrodes.

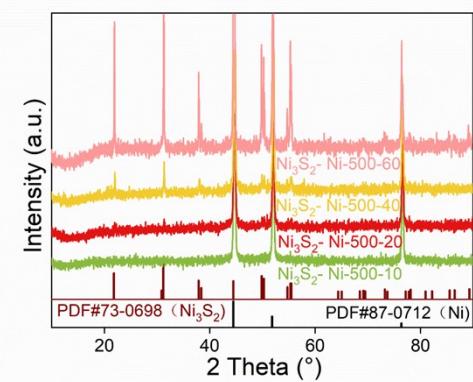


Figure S3. XRD patterns of Ni₃S₂-Ni-500-Y electrodes.

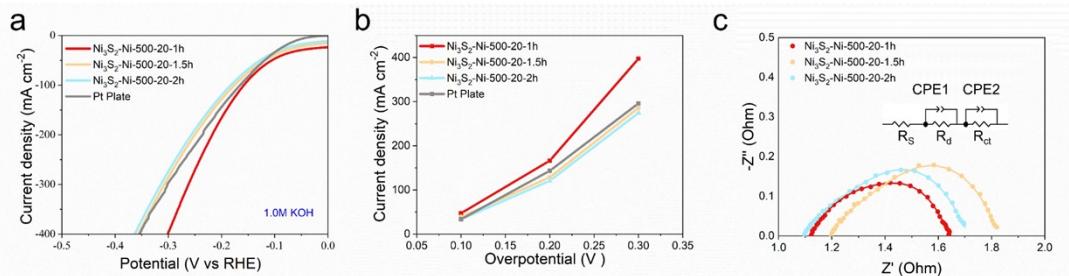


Figure S4. (a) HER polarization curves of Ni₃S₂-Ni-500-20-1 h, Ni₃S₂-Ni-500-20-1.5 h, Ni₃S₂-Ni-500-20-2 h, and Pt plate electrodes. (b) Comparison of the current density of Ni₃S₂-Ni-500-20-1h, Ni₃S₂-Ni-500-20-1.5 h, Ni₃S₂-Ni-500-20-2h, and Pt plate electrodes under the same overpotential. (c) EIS of Ni₃S₂-Ni-500-20-1 h, Ni₃S₂-Ni-500-20-1.5 h and Ni₃S₂-Ni-500-20-2 h electrodes.