

## Supporting information

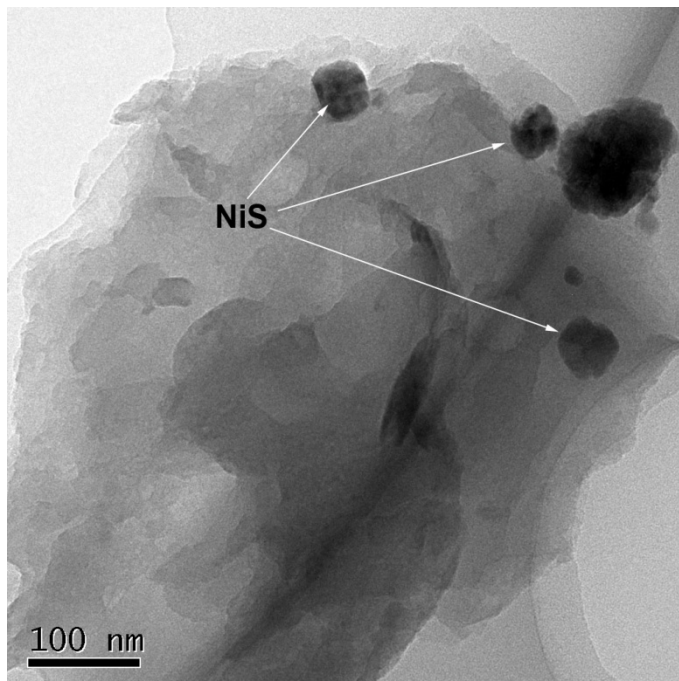


Fig. S1. The TEM image of the used photocatalyst e-C<sub>3</sub>N<sub>4</sub>/NiS-1.0.

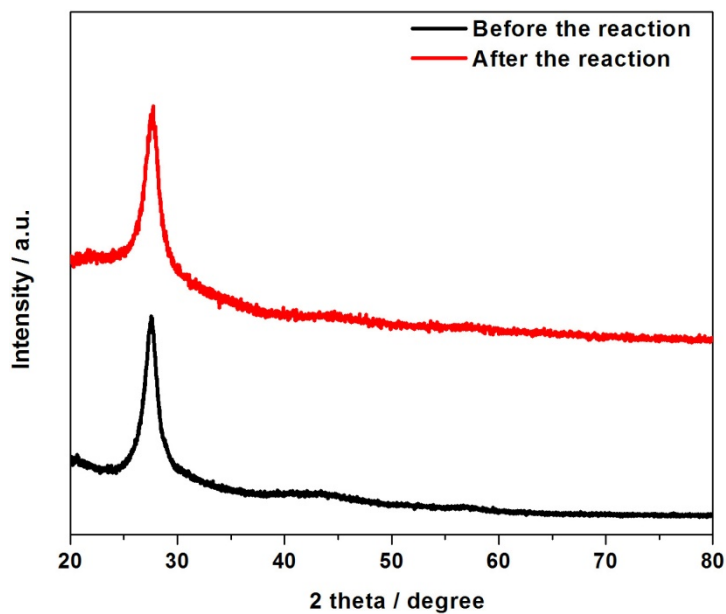


Fig. S2. The XRD patterns of the e-C<sub>3</sub>N<sub>4</sub>/NiS-1.0 before and after the photocatalytic reaction.