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

Electronic Supplementary Information

Hydrogen evolution from water based on plasmon-induced charge separation at a TiO_2/Au/NiO/Pt system

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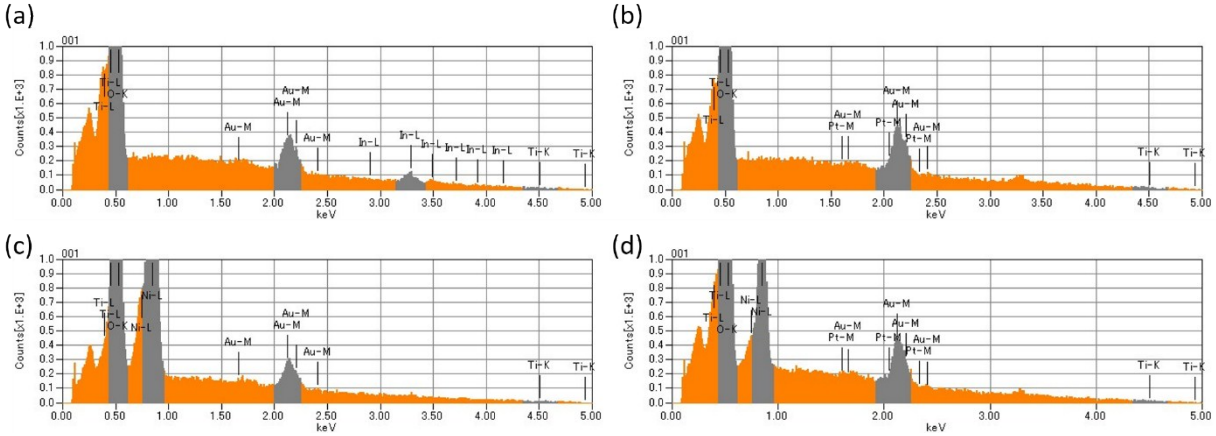

Fig. S1 Results of EDX analyses for (a) TiO_2/AuNP, (a) TiO_2/AuNP/Pt (c) TiO_2/AuNP/NiO and (d) TiO_2/AuNP/NiO/Pt electrodes.

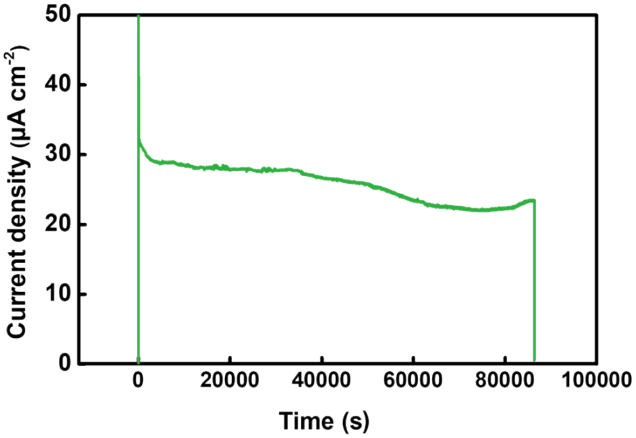

Fig. S2 Long-term photocurrent response (λ > 460 nm, 60 mW cm^{-2}) of the TiO_2/AuNP/NiO/Pt photoelectrode at a bias voltage of 0.8 V vs. Pt wire in a N_2-saturated 0.1 M aqueous KOH containing 20% methanol.