Supplementary Information

Plasmon-induced charge separation at the interface between ITO nanoparticles and TiO$_2$ under near-infrared irradiation

Seung Hyuk Lee, Hiroyasu Nishi and Tetsu Tatsuma*

Institute of Industrial Science, University of Tokyo, 4-6-1 Komaba, Meguro-ku, Tokyo 153-8505, Japan.

* Corresponding author; e-mail: tatsuma@iis.u-tokyo.ac.jp

Fig. S1. XRD pattern of the ITO NP layer prepared on TiO$_2$ and reference crystal index of bixbyite-type In$_2$O$_3$.

Fig. S2. XPS spectra of MoO$_3$ and the layer prepared by its thermal vapour deposition.
Fig. S3. EDX elemental mapping of the cross section of the cell.