Electronic Supplementary Information

Birnessite-type Manganese Oxides Nanosheets with Hole Acceptor Assisted Photoelectrochemical Activity in Response to Visible Light

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Figure S1 SEM top-view image of hierarchically structured nanosheets deposited on ITO by means of anodic electroplating at a current density of 0.25 mA/cm² for 250s.
Figure S2 XRD patterns of MnO$_2$ nanosheets, fabricated via anodic electrodeposition, for different deposition times.

Figure S3 Absorbance at 450, 500 and 550 nm as a function of MnO$_2$ nanosheets deposit.
Figure S4 Photographs of MnO$_2$ nanosheets on ITO.

Figure S5 Photocurrent-time behaviour of MnO$_2$ nanosheets with different deposition times in the presence of methanol.