Electronic Supplementary Material (ESI) for Journal of Materials Chemistry A.

Crystalline ZnO/ZnS_xSe_{1-x} core-shell nanowire arrays for efficient visible-light photoelectrocatalysis

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Supplementary data

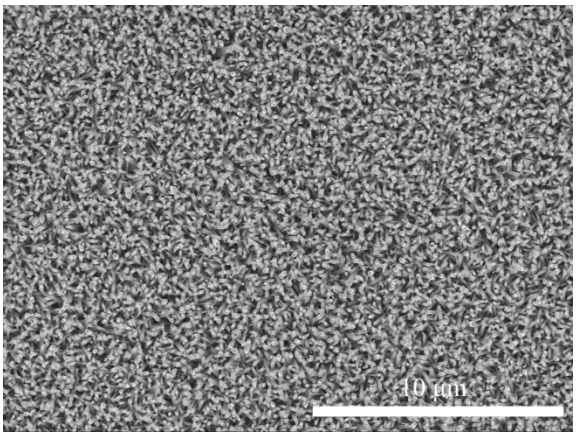

Fig. S1 Large scale SEM image of ZnO/ZnS_xSe_{1-x} nanowires

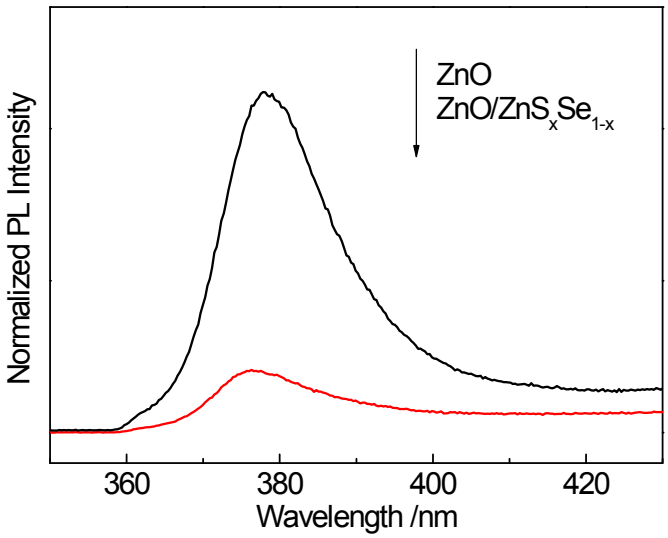

Fig. S2 PL spectra of ZnO and ZnO/ZnS_xSe_{1-x} core/shell nanowire arrays

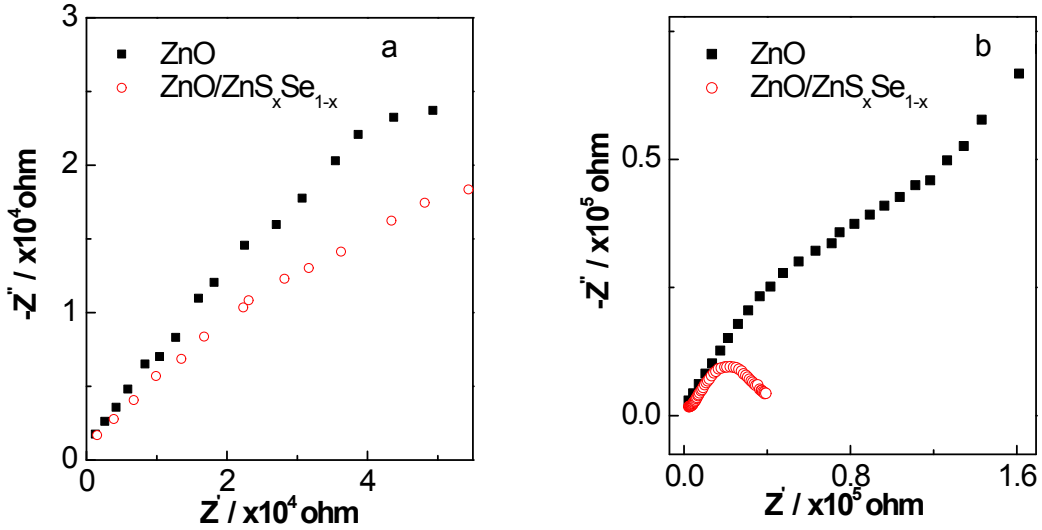

Fig.S3 EIS Nynquist plots of ZnO nanowire arrays and ZnO/ZnS_xSe_{1-x} core/shell nanowire arrays (a) under UV irradiation, (b) under visible light irradiation

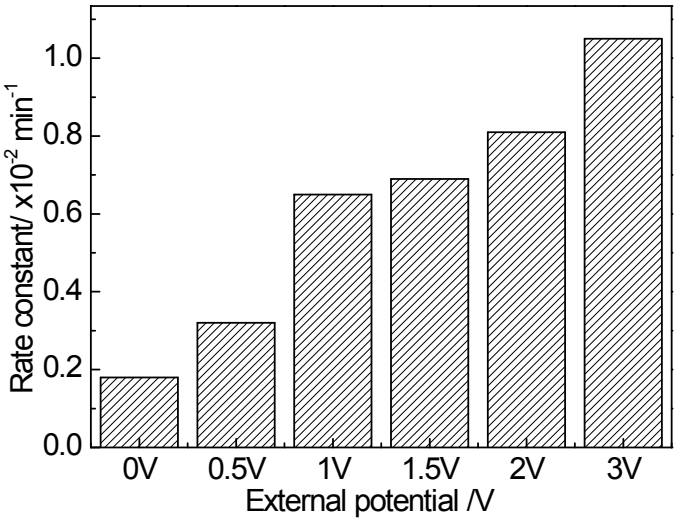

Fig.S4 The effect of the external potential on MB degradation on ZnO/ZnS_xSe_{1-x} core/shell nanowires under UV irradiation.