

Supporting Information

Nitrogen-doped ZnO Nanowire Arrays for Photoelectrochemical Water Splitting

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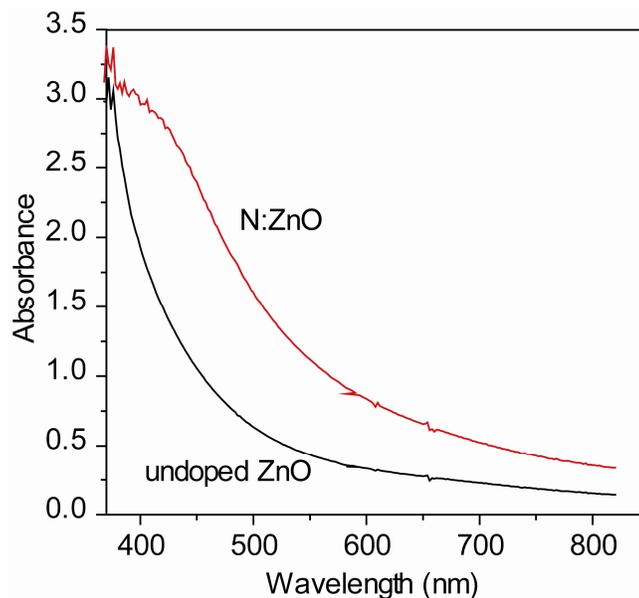


Figure S1 UV-vis spectra of undoped ZnO and ZnO:N nanowires showing a red shift of absorption wavelength to the visible region of interest in ZnO:N sample. This result indicates the reduction of bandgap of ZnO:N due to the N dopant.

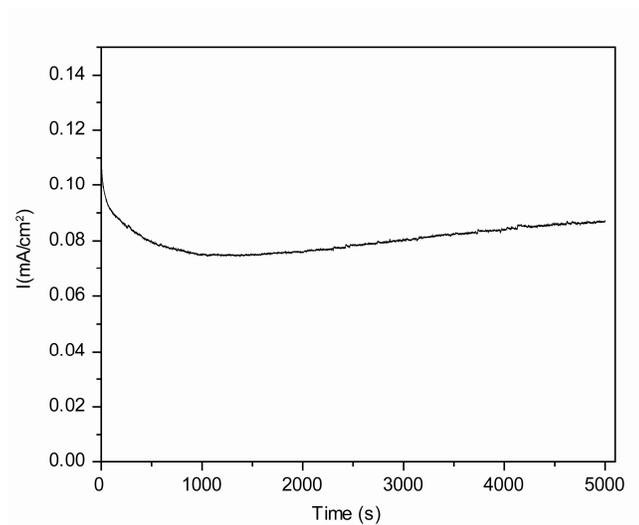


Figure S2 Amperometric I-t curves of the ZnO:N nanowires collected at a overpotential of + 0.5 V (versus Ag/AgCl) for 5000s.

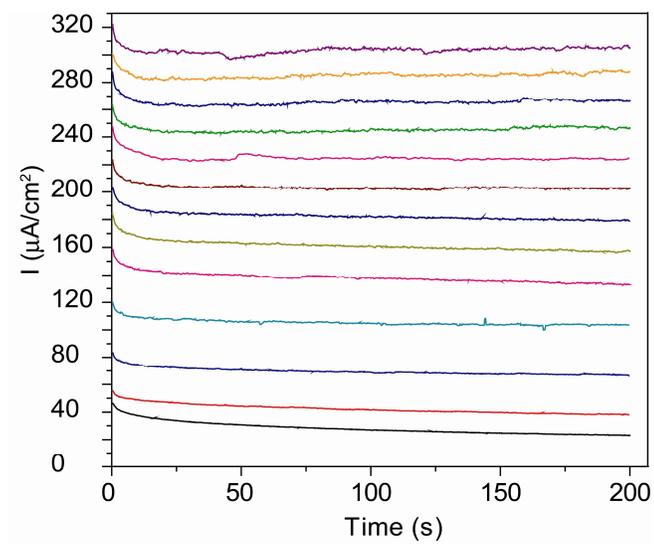


Figure S3 Amperometric I-t curves of the ZnO:N nanowires as a function of applied potential from 0 V (bottom) to +1.2 V (top) (versus Ag/AgCl) at a step of 0.1 V.