Electronic Supplementary Information

(ESI)

Strong Photo-Response in a Flip-Chip Nanowire p-Cu₂O/n-ZnO Junction

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Fig. S-1 : XRD showing thin films of Cu₂O and ZnO on Cu and ITO substrates respectively



Fig. S-2 : XRD of as prepared Cu(OH)₂ nanoneedles on copper substrate.

* represents substrate peaks



Fig. S-3 : SEM image showing as prepared Cu(OH)₂ nanoneedles on Cu substrate



Fig. S-4 : SEM image showing ZnO nanorods on ITO coated glass substrate



Fig. S-5 : XPS spectra of Cu₂O nanoneedles corresponding to O 1s