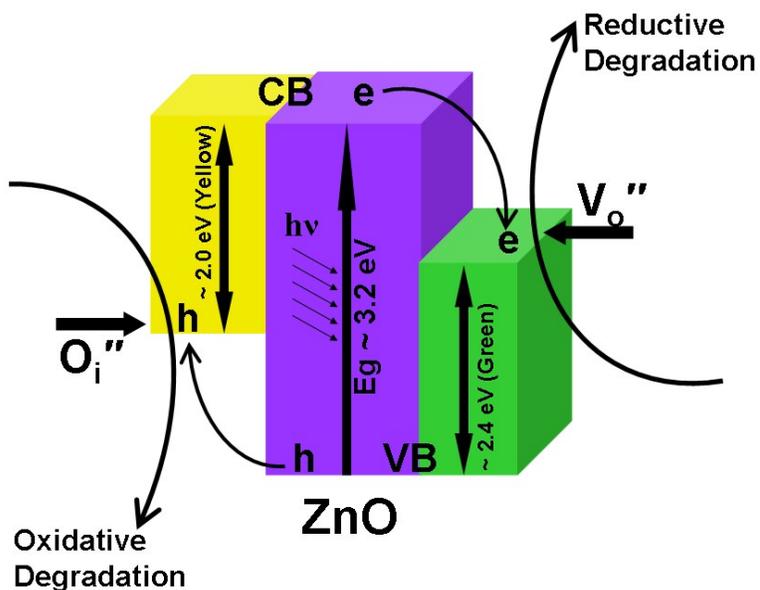


Electronic Supplementary Information – 4

Mesoporous CuO-ZnO p-n heterojunction with high specific surface area for  
enhanced photocatalysis and electrochemical sensing



Schematic showing the entrapment of photogenerated electrons and holes in the respective defect levels ( $V_o''$  and  $O_i''$ ) facilitating the reductive and oxidative degradation processes in ZnO during photocatalysis.