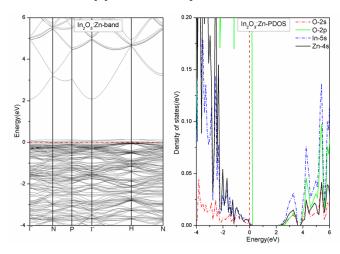


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## **Supplementary materials**



 $Fig. S1. (a) \ The \ bandstructure \ and \ (b) \ PDOS \ of \ In_2O_3: Zn, \ respectively. \ The \ red \ dashed \ lines \ in \ these \ plots \ represent \ Fermi \ level.$