Supplementary Material (ESI) for Journal of Materials Chemistry

Supplementary information

Effect of energy level matching on the enhancement of photovoltaic response about oxide/Zn_2SnO_4 composites

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.Supplementary Figures

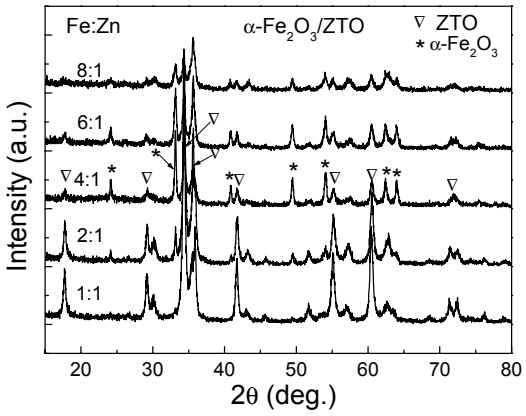

Fig. SI1. The XRD patterns of α-Fe_2O_3/ZTO with the molar ratio 1:1, 2:1, 4:1, 6:1 and 8:1 of Fe/Zn, respectively.

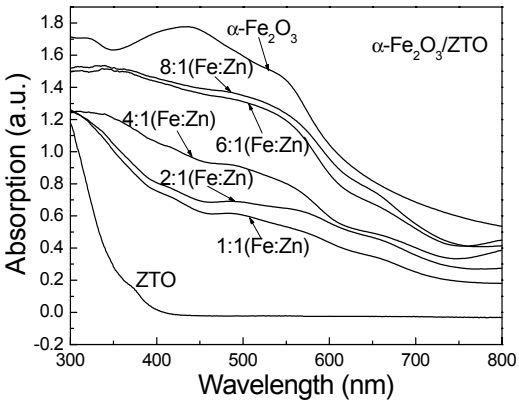

Fig. SI2. The absorption spectrums of α-Fe_2O_3/ZTO with the molar ratio 1:1, 2:1, 4:1, 6:1 and 8:1 of Fe/Zn, respectively.

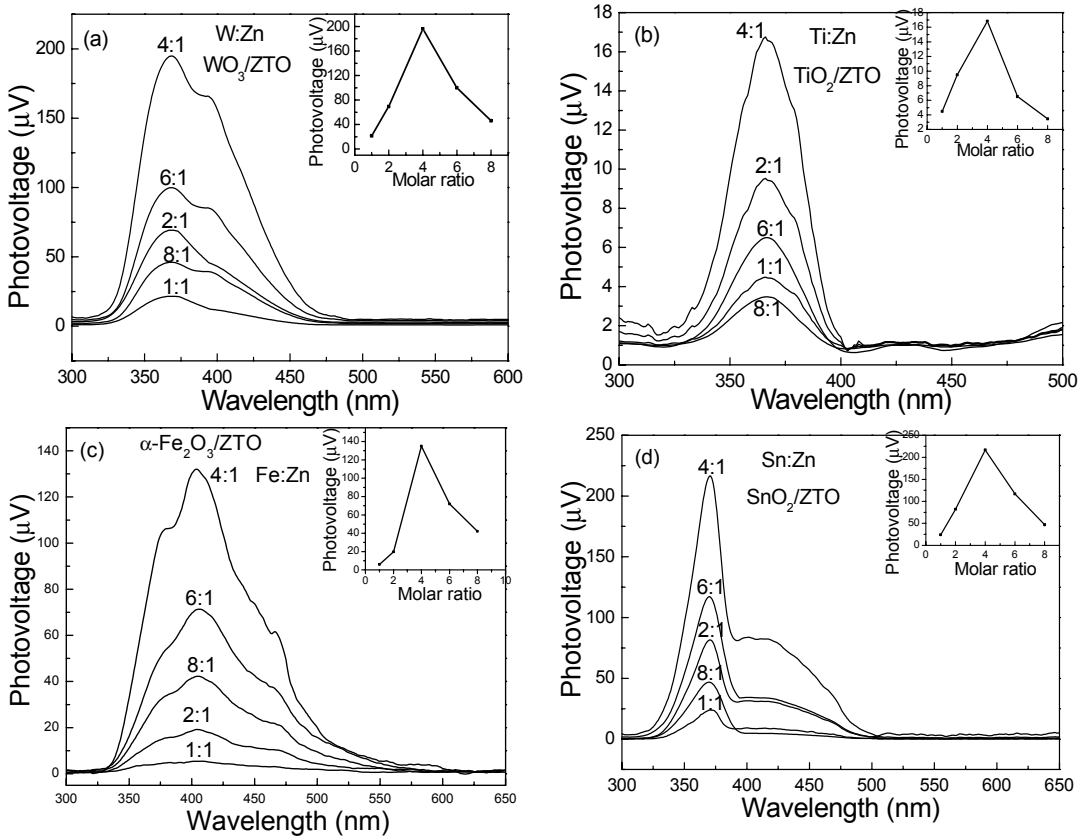

Fig. SI3. ((a), (b), (c) and (d)) The SPS of WO_3/ZTO, TiO_2/ZTO, α-Fe_2O_3/ZTO and SnO_2/ZTO with the molar ratio 1:1, 2:1, 4:1, 6:1 and 8:1 of (W, Ti, Fe and Sn)/Zn, respectively. The insets of **Fig. SI3**((a), (b), (c) and (d)) The change trends of SPS about WO_3/ZTO, TiO_2/ZTO, α-Fe_2O_3/ZTO and SnO_2/ZTO with the molar ratio 1:1, 2:1, 4:1, 6:1 and 8:1 of (W, Ti, Fe and Sn)/Zn, respectively.