

Figure 1: a) Absorption spectra of CdS:P3HT (black line), P3HT (red dashed line) and CdS (blue dotted line). Selective excitation wavelengths are indicated by vertical lines. b) Schematic diagram of charge generation processes in CdS:P3HT hybrid solar cells. c) Relative charge yields (giving as changes in absorption, $m\Delta A$) of CdS:P3HT films with different blend ratios.

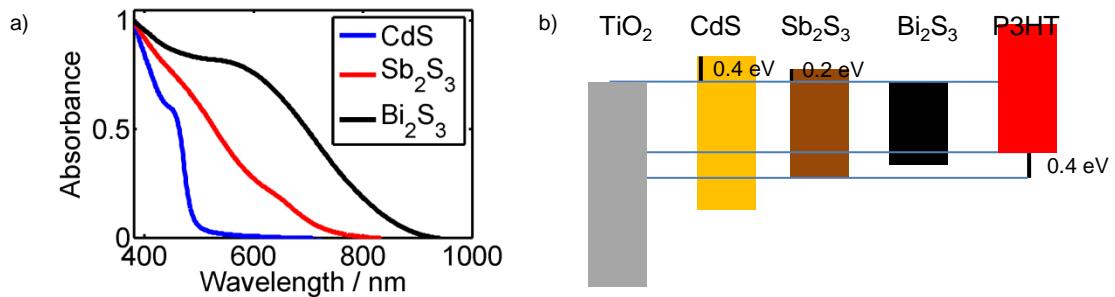


Figure 2: a) Absorption spectra of the metal sulfides on TiO_2 . b) Schematic diagram showing the energy alignment between TiO_2 , the sulfides and P3HT.