High-Efficient Bifacial Ge-incorporated Sb_2Se_3 Photovoltaic devices enabled with Cu_2O back buffer

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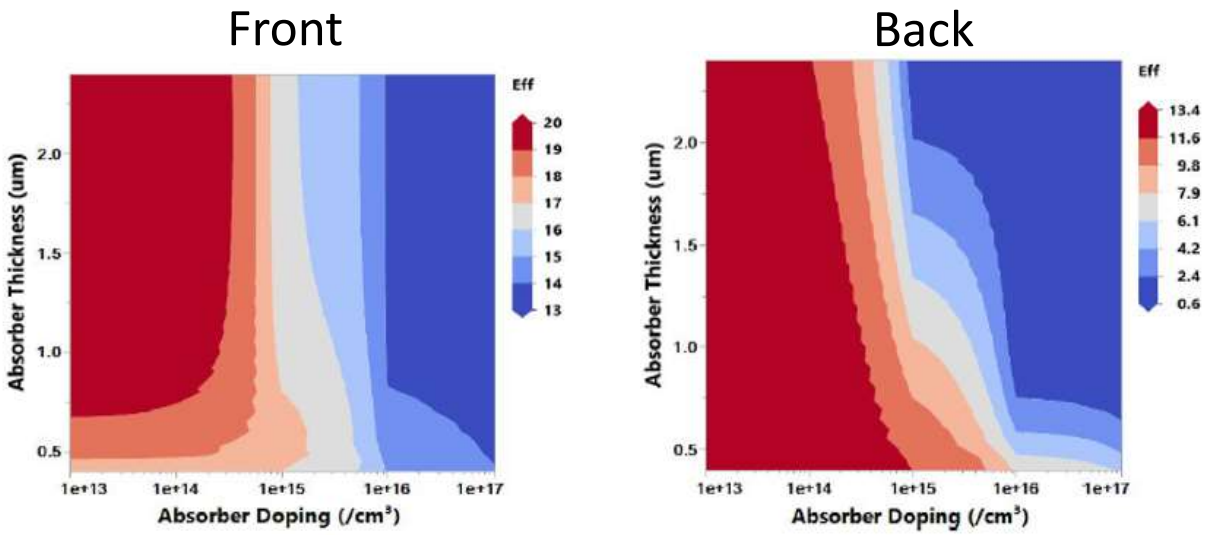

Fig. 1. Bifacial performance of Ge-Sb_2Se_3 solar cells. Cu_2O (50 nm) is used as a back buffer layer due to appropriate band alignment with the Ge-Sb_2Se_3 absorber (1 x 10^{14} cm^{-3}).