

Abstract Submitted
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Interface States in the metal-CdSe interfaces MICHELLE TOMASIK, JEFFREY GROSSMAN, MIT, VARADHARAJAN SRINIVASAN, Indian Institute of Science Education and Research — CdSe, a potential material for hybrid solar cells, has a well known reconstruction at the surface which removes the surface states. Using Density Functional Theory (DFT) we explore what happens to the now-removed surface states when CdSe is interfaced with two different metals, Al and Au. We compare and contrast this with the interfaces of a pristine unreconstructed CdSe surface with the two metals.

Michelle Tomasik
MIT

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